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BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE)
ENVIRONMENTAL LABORATORY

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Appendix A

DATA REPOSITORY

BOSQUE AND LEON RIVER WATERSHEDS STUDY
DATA REPOSITORY

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
1	Perchlorate Special Study. Technical Memorandum 3. NWIRP Response to Work Plan Comments	MW. June 17, 1999	Montgomery Watson (Dallas)	MW	Report
9	G-2 - EPA NPDES Permit Writer Training Manual		U.S. EPA	not specified	Fax
15	Perchlorate Treatment Technologies Technical memorandum, Supplemental Information	May 5, 2000	Montgomery Watson (Pasadena)	David B. Ebersold	Letter
16	Technical Memorandum on the Evaluation of Perchlorate Treatment Technologies	February, 2000	Montgomery Watson (Pasadena)	David B. Ebersold	Report
23	Review of the "Draft Groundwater Investigation Report," Dated September 7, 1999, and EnSafe letter, Dated October 1, 1999. Naval Weapons Industrial Reserve Plant, McGregor. TNRCC SWR No. 30056. …	November 15, 1999	TNRCC	Mark Arthur	Letter
24	Information on Perchlorate Conference, March 18-19, 1999, in Ontario, California	March 2, 1999	Brazos River Authority	J. Tom Ray	Letter
26	Letter mailed to the Honorable Chet Edwards, House of Representatives, Washington, DC	September 10, 1999	U.S. Navy	A. A. Granuzzo	Letter
30	EPA considering Hydrasep Advanced Oil/Water Separator as Best Demonstrated Available Technology	November 1, 1996	U.S. EPA	Michael Spapiro	Fax
32	RE: Application by the United States Department of the Navy for a Temporary Order, TPDES Permit No. 02335 (TX0034321)	September 2, 1999	TNRCC	Jack Fergusun	Fax
33	Attached is a copy of a TNRCC Interoffice Memo Re: Sediment Samples from Lake Belton	August 29, 2000	Texas Parks and Wildlife	Marc Vockell	Fax
34	Surface Water Monitoring Plan for Lake Waco & Belton Watersheds	June 20, 2000	TNRCC	Allison Woodall	Fax
35	TNRCC Plan of Action Regarding the Perchlorate Contamination at NWIRP	March 8, 1999	TNRCC	Judithanne P. Hare	Fax
36	Re: La Puente Valley MWD Presentation	May 5, 2000	Calgon	Charles Drewry	Fax
39	Perchlorate Biodegradation: Drinking Water, Groundwater, and Wastewater Applications		Environmental Science and Engineering	Coppola, E. & Baxley, J.S.	
40	Calgon Carbon Corporation. Budgetary Cost Estimate for ISEP/ISEP+		Calgon	Charles Drewry	Fax
45	EPA. Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA. Interim Final.	October 1988 LPA 540-G-89-004	U.S. EPA	none specified	Fax
46	Perchlorate Monitoring Plan Revised Replacements	Perchlorate Monitoring Plan. Brazos River Authority.	Montgomery Watson (Pasadena)	Chris Petersen	Fax
48	Agreement for Engineering Services	March 2, 1999	Brazos River Authority	David Collinsworth	Letter
49	NWIRP McGregor Work Plan Comments	January 6, 1999 Montgomery Watson	Montgomery Watson (Pasadena)	Chris E. Petersen	Fax
51	Second Amendment to Consulting Agreement for Engineering Services	Main San Gabriel Watermaster September 2, 1998.	Main San Gabriel Basin Watermaster	none specified	Fax
52	Experimental Plan for Bench-Scale Testing	none	Montgomery Watson (Pasadena)	Issam Najm	Memo
53	Abating & Remediating Perchlorate. A Surprisingly Simple Approach is Nearly Eliminating Contaminants that Result from Rocket Fuel Production.	The Military Engineer. November-December. 2000.	EnSafe	Dan Cowan	Various types
54	Briefing for Congressman Chet Edwards and Guests on Perchlorate Investigation at Naval Weapons Industrial Reserve Palnt, McGregor, Texas	Naval Aviation Systems. TEAM. Dept. of the Navy. Naval Air Systems Command. Shore Station Mgmt.	U.S. Navy	Judith Hare	Various types
55	Briefing to the Honorable Congressman Edward - Texas	USAF - DoD Representative. Inter Agency Perchlorate Steering Committee.no date	U.S. Navy	Lt. Col. Dan Rogers	Various types
56	NWIRP McGregor March 9, 1999 Briefing	not specified	U.S. Navy		Various types

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
58	Draft Gray Areas Phase I / RCRA Facility Investigation Phase II Investigations, Areas R, T & Z, Volume I of II, Section 1 to 5, Appendices A & B	CTO-0138, Oct, 1999 October 1999	EnSafe/Navy (NWIRP)	EnSafe	Report
59	Draft Gray Areas Phase I / RCRA Facilities Investigation Phase II Investigations, Area F	CTO-0138, November 8, 1999	EnSafe/Navy (NWIRP)	EnSafe	Report
60	A Multiscale Ecological Model for Allocation of Training Activities on U.S. Army Installations	W. Michael Childress, Terry McLendon, and David L. Price		W. M. Childress et al.	Research Study
61	Final Report. Removal of Perchlorate and Other Contaminants from Groundwater at JPL. A Pilot Study.	Submitted to Jet Propulsion Laboratory. Pasadena, CA. June 28, 1999.	Calgon	K. Raman Venkatesh	Report
62	Final Report. Big Dalton Perchlorate Removal Pilot Study.	Submitted to The Main San Gabriel Basin Watermaster. October 30, 1998	Calgon		Report
63	Interim Stabilization Measures, In Situ Pilot-Scale Treatment System, Effectiveness Monitoring Work Plan	CTO-0127 November 11, 1999	EnSafe/Navy (NWIRP)	EnSafe	Report
64	Perchlorate in the Environment. Risk Exposure for Perchlorate. Organized by E.T. Urbansky and M.R. Schock.Long-Term Release as a Source of Perchlorate Contamination.	Symposia Papers Presented Before the Div. Of Env. Chem. ACS Aug 22-26, 1999	American Chemical Society	Flowers, T.C. and Hunt, J.R.	Report
68	Brazos River Authority of Texas. Perchlorate Special Study. Technical Memorandum 1 and 2. NWIRP Work Plan Comments. Presentation Points.	January 6, 1999	Montgomery Watson (Dallas)	Ashok Varma	Report
69	Final Groundwater Investigation Work Plan. NWIRP McGregor, McGregor, Texas	November 17, 1998	EnSafe/Navy (NWIRP)	EnSafe	
70	Brazos River Authority. Perchlorate Monitoring Plan	August, 1999	Montgomery Watson (Pasadena)		Report
74	Water Quality Analysis Results	January 9, 2001	City of Waco	G. Haeckey	Fax
77	Ammonium Perchlorate Contamination of Colorado River Drinking Water is Associated with Abnormal Thyroid Function in Newborns in Arizona	Journal of Occupational and Environmental Medicine. Volume 42, Number 8, August 2000.	Environmental Science and Engineering	Brechner, R. et. al and others	Report
78	Draft Interim Stabilization Measures Effectiveness Report, NWIRP McGregor. McGregor, Texas.	CTO-0127. April 21, 2000.	EnSafe/Navy (NWIRP)	EnSafe	Report
79	Draft Interim Stabilization Measures Evaluation, NWIRP McGregor. McGregor, Texas	CTO-0127. June 2, 1999	EnSafe/Navy (NWIRP)	EnSafe	Report
81	Docket No. 1999-1090-IWD. In the Matter of the Application of the United States Department of the Navy for a Temporary Order Under Sect. 5.509 of the Texas Water Code.	[Hearing] Before the Texas Natural Resource Conservation Commission	TNRCC	TNRCC	Various types
82	Emergency Wastewater Discharge Permit Application. Volume I Administrative Section NWIRP McGregor.	CTO-0127. July 15, 1999	EnSafe/Navy (NWIRP)	EnSafe: Dan Cowan	Report
83	Public Participation in Permitting	GI-233. April 1997	TNRCC	TNRCC	Memo
84	Water Agencies Join Forces to Solve Contaminant Problem in Valley Groundwater.	undocumented newspaper article			Paper/Print
85	Rocket Residue in Lake Belton	Waco Tribune-Herald. Sunday, May 16, 1999		Waco Tribune-Herald	Paper/Print
86	TNRCC Web Site [a guide]	GI-054. April 1999	TNRCC	TNRCC	Memo
87	NWIRP McGregor, Texas. Fact Sheet 2. Restoration Advisory Board (RAB)	[none cited] February 1997 (updated May 1999)			Memo
88	Commander's Biography: Colonel Gordon M. Wells; Lieutenant Col. Emmet H. Du Bose, Jr; Fort Worth District Environmental Division.	[none cited]	USACE	USACE	Memo
89	Main San Gabriel Basin. Summary of Source Water Perchlorate Monitoring as of March 6, 1998.	[none cited] Printed: March 11, 1998	U.S. EPA	Stetson Engineering	Lab Data
92	Construction Photos (Xeroxes) of McGregor NWIRP Treatment System	[none cited]	Vinson & Elkins		Photo
103	Perchlorate Contamination	June 1, 1999	Department of Agriculture Department of Agriculture	Susan Combs	Memo

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
106	Draft Groundwater Investigation Report. NWIRP McGregor. McGregor, Texas Volume I of 6, Volume 2 of 6, Volume 3 of 6, Volume 4 of 6, Volume 5 of 6, Volume 6 of 6	Volumes I to VI. Prepared for: Dept. of the Navy, Southern Division, Naval Fac. Eng. Command.	EnSafe/Navy (NWIRP)	EnSafe	Report
107	Letter to Mr. Barry McBee, Chairman of Texas Natural Resources Conservation Commission	City of Waco. August 5, 1998.	City of Waco, Brazos River Authority	Rice, K. & Roberts, R.	Letter
108	Perchlorates/South Bosque	none cited	Brazos River Authority		
110	Brazos River Authority. Perchlorate Special Study. Technical Memorandum 3. NWIRP Response to Work Plan Comments. June 17, 1999.	June 17, 1999 Prepared by: Montgomery Watson.	Montgomery Watson (Pasadena)	Ebersold, D. & Petersen, C.	Report
111	Emergency Wastewater Permit Application. NWIRP McGregor.	May 17, 2000 EnSafe.	EnSafe/Navy (NWIRP)	EnSafe	Various types
112	Re: Quality Assurance Project Plan- Field Sampling	September 9, 1999	Brazos River Authority	Collinsworth, D.	Memo
113	Belton Lake. Section V - Lake Regulation Procedures. Waco Lake. Part Seven. Regulation Schedule	incomplete FWDR 1130-2-14. APP 5. Jun 71. Rev Jun 73.	U.S. Navy		Memo
114	In the Matter of the Application of the United States Department of the Navy -- Naval Air Systems Command for an Emergency Order Under Texas Water Code Sect. 5.501 & 5.509 Commission	July 13, 2000. Texas Natural Resources Conservation Commission.	TNRCC	Brown, K.	Report
115	NWIRP McGregor Stakeholders Group. Technical Memorandum on the Evaluation of Perchlorate Treatment Technologies	February 2000. Montgomery Watson.	Montgomery Watson (Pasadena)	David B. Ebersold	Report
116	Brazos River Authority. Basin Highlights Report and Executive Summary for the 2000 Annual Water Quality Report	none cited 2000	Brazos River Authority		Report
117	Application of Bioreactor Systems to Low-Concentration Perchlorate-Contaminated Water.	Progress Report 3. November 15, 1999. Am. Wtr. Wrks. Resch. Found. (AwwaRF) Proj. No. 2577.	Pennsylvania State University	Logan, B.	Report
118	Treatment of Perchlorate-Contaminated Waters in Packed Bed Bioreactors	Kim, K. and Logan, B. Dept. of Civil and Env. Eng. Pennsylvania State University.May 21, 1999.	Pennsylvania State University	Kim, K., Logan, B.	Report
120	Chapter 15. Evaluation of Biological Reactors to Degrade Perchlorate to Levels Suitable for Drinking Water.	Presented at American Chemical Society. Perchlorate in the Environment. New Orleans, LA. 8/22/99.	Pennsylvania State University	Logan, B.	Memo
122	Report on Water Quality. Belton Lake. Leon River. Brazos River Basin, Texas.	December, 1998	USACE	USACE	Report
123	Central Texas Watershed Protection Planning. Environmental Alliance. C.Waco. C.McGregor. Brazos River Authority. Texas Natural Resource Conservation Commission. Sept. 15, 1998.	September 15, 1998 BRA	Brazos River Authority	Brazos River Authority	Report
124	Central TX Watershed Protection Planning. Environmental Alliance. Central Texas Water Supply	C. of Waco, C. of McGregor, BRA, TNRCC	Brazos River Authority	BRA	Report
125	Technical Memorandums: Draft Lake Water Quality Assessment Work Plan, Draft Soil Infiltration Study Work Plan, Hydrologic Assessment Workplan, Groundwater Investigation Phase III	CTO-0127 February 14, 2000	EnSafe/Navy (NWIRP)	EnSafe	Report
126	Fate and Transport of Ammonium Perchlorate in the Subsurface. Prepared for: Mele Assoc., Brooks AFB, Texas.	Environmental and Water Resources Engineering Program. The University of Texas at Austin.	The University of Texas at Austin	Loehr, R.; Katz, L; Opdyke, D.	Report
127	Perchlorate Environmental Contamination: Toxicological Review and Risk Characterization Based on Emerging Information	National Center for Environmental Assessment. Office of Research and Development. .EPA. Washington	U.S. EPA	EPA	Report
128	Lake Belton and Stillhouse Hollow. Water Quality Evaluation.	December, 1989	Brazos River Authority	Roming & Porter, Temple, TX	Report
129	Hydrogeology of a Portion of the Washita Prairie, Edwards Aquifer: Central Texas.	Thesis submitted to Baylor University, Master of Science, May, 1988	Baylor University	Cannata, Stan Lee	Research Study
130	Volumetric Survey of Belton Lake	December 16, 1994	Brazos River Authority	TX Water Dev. Board	Report
131	Environmental Investigation at Lake Waco, Sediment and Water Quality Sampling, 12 and 13 April 1995	September, 1995	Brazos River Authority	USACE	Report
132	Reconnaissance Report. North Bosque River Watershed, Texas.	April, 1995. Fort Worth District.	USACE	USACE	Report
133	Lake Belton and Stillhouse Hollow. Facilities Planning Study.	December, 1989	Brazos River Authority	Roming & Porter, Temple, TX	Report

BOSQUE AND LEON RIVER WATERSHEDS STUDY
DATA REPOSITORY

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
134	Bosque Watershed Pilot Project	USDA - Natural Resources Conservation Service. Water Resources Assessment Team. Temple, TX. 9/30/96.	Black Lands Research Center	USDA	Report
135	Lake Belton and Stillhouse Hollow. Summary Report: Water Quality and Facilities Planning.	December, 1989	Brazos River Authority	Roming & Porter, Temple, TX	Report
136	A Nutrient Survey of the South Bosque River Watershed. McLennan Co, Texas. Feb. - Mar. 1998.	Baylor University, Department of Environmental Studies, in coop. w/ City of Waco & BRA	Brazos River Authority	Baylor U., Dept. Env. Stud.	Report
137	Baylor Geological Studies. Bulletin No. 46. Groundwater Recharge in the Trinity Aquifer, Central Texas.	Baylor University, Department of Geology, Waco, Texas, Spring, 1988	Baylor University (Drs. Lind & Yelderman)	Rapp, Keith Burleigh	Report
138	Volumetric Survey of Waco Lake	USACE. Fort Worth District. Prepared by: Texas Water Development Board.	USACE	TX Water Dev. Board	Report
140	A Comprehensive Study of Texas Watersheds & Their Impacts on Water Quality & Quantity. 1991. Brazos River Basin.	4 p. - for Brazos River Basin.	Brazos River Authority	TSSWCB	Report
141	1998 Annual Water Quality Report. Brazos River Authority. Prepared pursuant to the Authority's 1986 Water Quality Management Program.	April, 1998	Brazos River Authority	BRA	Report
142	Water and Sediment Analyses Reconnaissance Survey. Middle Brazos River Basin Watershed, Texas. Final Report.	Prepared for: USACE. Fort Worth District. January 1999.	USACE	Pacific Western Tech., TX	Report
143	Report on Water Quality, Belton Lake, Leon River, Brazos River basin, Texas	USACE. Fort Worth, Texas. December 1998	USACE	USACE	Report
144	Lake Waco/Bosque River Watershed Initiative Report: Determining Nutrient Contribution by Land Use for the Upper North Bosque River Watershed	TX Institute for Applied Env. Rsch. Tarleton State University, Stephenville, Texas. January 1998.	Tarleton State University	McFarland, A & Hauck, L.	Report
145	Steam Water Quality in the Bosque River Watershed. October 1, 1995 Through March 15, 1997.	Texas Institute for Applied Env. Rshc. Tarelton State Univ., June 1998.	Tarleton State University	McFarland, A. & Hauck, L.	Report
146	The Lower Cretaceous Trinity Aquifers, McLennan Co., Texas	Baylor Geological Studies, Bulletin No. 1. Baylor Univ., Dept. of Geology, Waco, Texas, Fall 1961	Baylor University (Drs. Lind & Yelderman)	Halloway,Baylor U, Geology	Report
147	Geology of the Llano Region and Austin Area. Field Excursion	Guidebook No. 13, Bureau of Economic Geology, Univ. Texas at Austin, 1972 QE 46.U54 no.13 GEOL	University of Texas Bureau of Economic Geology	Barnes, V.; Bell, W.; et al	Report
148	Geology of the Llano Region, Central Texas. Guidebook to the Annual Field Trip of the West Texas Geological Society	West Texas Geological Society. Publication 80-73. 1980.		Johnie Brown	Report
149	A Geologic History of the Brazos River	Baylor Geological Studies. Bulletin No. 24. Baylor Univ., Dept. of Geology, Waco, TX, Spring 1973	Baylor University	Epps, L.	Report
150	Geology of the Belton Reservoir Area, Leon River, Bell County, Texas	The Woodbine and Adjacent Strata of the Waco Area of Central Texas.SMU Press. 1951.	USACE	Colligan, J.	Report
151	Geology of Texas. Volume I. Stratigraphy.	Univ. of TX Bulletin, No. 3232. August 22, 1932.	University of Texas Bureau of Economic Geology	Sellards, E, et al	Report
152	Geologic Map of Texas	1:500,000. Bureau of Economic Geology. UT Austin. 1992.	University of Texas Bureau of Economic Geology	Hartmann, B.; Scranton, D.	Various types
153	Stratigraphy in the Washita Group in Central Texas	Baylor Geological Studies. Bulletin No. 21. Baylor University, Dept.Geology. Fall, 1971.	Baylor University	Brown, T.	Report
154	Aquifer-Stream Interactions and their Hydrologic Implications in Nonkarstic Limestones; Washita Prairie, Central Texas	Thesis, Mater of Science, Baylor University, Waco, TX, May 1989	Baylor University	Myrick, M.	Report
155	Remediation of Perchlorate Contamination in Soil and Groundwater, NWIRP, McGregor TX	CNO Environmental Awards - Category: Environmental Restoration Team	Department of the Navy	Department of the Navy	
157	Central Texas Watershed Protection Planning Environmental Alliance		Brazos River Authority	Brazos River Authority	
159	Groundwater Investigation Draft Risk Assessment NWIRP McGregor, TX	December 16, 1999 CTO-0127	EnSafe/Navy (NWIRP)	EnSafe	Report
163	Draft Gray Areas Phase I / RCRA Facility Investigation Phase II Investigations, Areas R, T, and Z, Volume II of II, Appendices C and D	October 1, 1999	EnSafe/Navy (NWIRP)	EnSafe	Report
164	RCRA Facilities Investigation Report Volume II of III, NWIRP RFI Unit 6 (Area G)	August 27, 1998	ERM		Report

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
166	Revised Additional RCRA Facilities Investigation Sampling Plan	September 23, 1997	ERM		
170	Draft Quality Assurance Plan NWIRP McGregor	June, 1998 CTO-0138, Contract Number: N62467-89-B-0318	EnSafe/Navy (NWIRP)		Report
172	Final Groundwater Investigation Workplan,Draft Technical Memorandum: Groundwater Inorganic and Nitrate Background report	November 17, 1998 CTO-0127, Contract Number: N62467-89-D-0318	EnSafe/Navy (NWIRP)		Report
173	100% Design Submittal for the Area M Soil and Groundwater Interim Stabilization Measures at NWIRP McGregor, TX Contract no N62367-98-D-0995 Contract Task Order No 0020	August 1,1999			
176	Draft Technical Memorandum Work Plan Groundwater Investigation Phase III Sewer Survey Plan May 16, 2000	June 9, 2000	EnSafe/Navy (NWIRP)		Letter
178	Project Manual and Bid Forms NWIRP RFI Unit 6 (Area G) McGregor, TX	August 24, 1999	ERM		
179	RCRA Facility Investigation Report Volume III of III, NWIRP RFI Unit 6 (Area G) McGregor, TX	August 27, 1998	ERM		Report
180	Meeting Minutes/Hand Written Notes/ Emails	1999-2000		Various	
182	Draft Gray Area Phase I/ RCRA Facility Investigation Phase II Investigations Area F, NWIRP McGregor, TX Volume II of IV sections 4 to 6	November 8, 1999 CTO-0138	EnSafe/Navy (NWIRP)		Report
183	Draft Interim Stabilization Measures Evaluation NWIRP McGregor, TX	June 2, 1999 CTO-0127	EnSafe/Navy (NWIRP)		Report
184	Draft Gray Area Phase I / RCRA Facility Investigation Phase II Investigations, Area F NWIRP McGregor, TX Volume IV of IV Appendices E to F	November 8, 1999	EnSafe/Navy (NWIRP)		Report
186	Technical Memorandum: Sediment Sample Report	December 6, 1999	EnSafe/Navy (NWIRP)		Technical Memorandum
187	Draft Gray Areas Phase I / RCRA Facility Investigation Phase II Investigations, Area F NWIRP McGregor, TX Volume III of IV Appendices A to D	November 8, 1999	EnSafe/Navy (NWIRP)		Report
189	Technical Memorandum Work Plan: Groundwater Investigation Phase III NWIRP McGregor, TX	February 10, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Technical Memorandum
190	Technical Memorandum:Draft Soil Sampling Report. Addendum to Groundwater Investigation Report	January 17, 2000	EnSafe/Navy (NWIRP)		Technical Memorandum
191	Phase I Report-Gray Area L Draft Phase I Report NWIRP, McGregor, TX	August 2, 1999	EnSafe/Navy (NWIRP)		Report
194	Draft Gray Areas Phase II Report Area L, NWIRP McGregor, TX Volume II of II Appendices C and D	July 1, 2000	EnSafe/Navy (NWIRP)		Report
195	Technical Memorandum Work Plan: Hydrological Assessment NWIRP McGregor, TX	February 14, 2000	EnSafe/Navy (NWIRP)		Technical Memorandum
196	Draft Anaerobic Bioremediation Work Plan for Buildings 1229 and 1230, Perchlorate-Contaminated Soil, NWIRP McGregor, TX	July 30, 1999 CTO-0127	EnSafe/Navy (NWIRP)		
197	Interim Stabilization Measures In Situ Pilot-Scale Treatment System Effectiveness Monitoring Work Plan	November 11, 1999 CTO-0127	EnSafe/Navy (NWIRP)		
198	Draft Phase II Bench Scale Study Status Report	September 29, 1999 CTO-0127	EnSafe/Navy (NWIRP)		
199	Draft Phase I Bench Scale Study Status Report	July 30, 1999 CTO-0127	EnSafe/Navy (NWIRP)		
200	Final Phase I Report-Gray Areas A, B, C, D, P Final Phase I Report NWIRP McGregor, TX	May 14,1999 CTO-0138	EnSafe/Navy (NWIRP)		Report
202	Draft Unit 1 RCRA Facility Investigations Report NWIRP McGregor, McGregor, TX Volume II of III, Appendix A to H	May 1,1998 CTO-0138	EnSafe/Navy (NWIRP)		Report
203	Draft Gray Areas Phase II Report Area L NWIRP McGregor, TX Volume I of II Section 1 Through Appendix B	July 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
204	Draft Unit 1 RCRA Facility Investigations Report NWIRP McGregor, TX Volume I of III Sections 1-9	May 1,1998 CTO-0127	EnSafe/Navy (NWIRP)		Report
205	Draft Gray Areas Phase 1 RCRA Facilities Investigations Phase II Investigations Area M, Volumes I to V	August 27, 1999 CTO-0138	EnSafe/Navy (NWIRP)		Report
206	Draft Lake Water Quality Assessment Interim Report, NWIRP McGregor, McGregor,TX	July 19, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Report
207	Final Draft Report Lake Water Quality Assessment, NWIRP McGregor, TX Volume II Appendices A - J	November 10, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Report
211	Technical Memorandum: Draft Lake Water Quality Assessment Workplan, NWIRP McGregor, TX	February 14, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Technical Memorandum
212	Technical Memorandum: Evaluation of Monitored Natural Attenuation Corrective Measures Study NWIRP, McGregor	May 10, 1999 CTO-0127	EnSafe/Navy (NWIRP)		Technical Memorandum
213	Draft Phyto-Remediation Evaluation Report NWIRP McGregor, TX	April 26, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Report
214	Final Draft Report Lake Water Quality Assessment NWIRP McGregor, TX Volume I - Sections 1 - 5	November 10, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Report
215	Draft Quarterly Interim Stabilization Measures Effectiveness Report - Fourth Quarter 2000	February 15, 2001 CTO-0127	EnSafe/Navy (NWIRP)		Report
216	Draft Quarterly Interim Stabilization Measures Effectiveness Report - Third Quarter 2000	November 16, 2000 CTO-0127	EnSafe/Navy (NWIRP)		Report
218	Draft Gray Areas Phase II Report, Areas R, T, and Z. NWIRP McGregor, TX. Volume II of II Appendices C - E	December 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
219	Draft Gray Areas Phase II Report Areas R, T, and Z. NWIRP McGregor McGregor, TX. Volume I of II Section 1- Appendix B	December 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
221	Revised Response Action Plan NWIRP RFI Unit 6 (Area G) McGregor, TX	April 23, 2001 WO #053-001	ERM		
223	Additional Groundwater Analytical Data and Correspondence	March 30, 2001			
224	Gray Areas A, B, C, D, and P Phase II NWIRP McGregor, TX Appendix D: Analytical Data Summary and Data Validation June 2000 (May 2001 Addendum)	May 1, 2001			Report
225	Attachment III Correspondence	September 22, 2000	EnSafe/Navy (NWIRP)		Letter
226	Finding of Suitability to Lease and Environmental Baseline Survey to Lease Area D - NWIRP McGregor, TX	March 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
227	Gray Areas A, B, C, D, and P Final Phase II report NWIRP McGregor, TX. Volume I of II, Section 1 Appendix B	June 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
228	Gray Areas A, B, C, D, and P Final Phase II report NWIRP McGregor, TX. Volume I of II, Appendix C - G	June 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
229	Gray Areas Phase I Report Area G NWIRP McGregor, TX	June 7, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
230	Gray Areas and RCRA Facilities Investigations Draft Phase II Reports Area F, NWIRP McGregor, TX Volume II Appendices A - E	February 2, 2001 CTO-0138	EnSafe/Navy (NWIRP)		Report
231	Gray Areas Phase I Report Area E NWIRP McGregor, TX. Volume I of II Section 1.0 Through Appendix B	August 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
232	Gray Areas Phase I Report Area E NWIRP McGregor, TX Volume II of II Appendix C-G	August 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
233	Gray Areas Phase I Report Area H NWIRP McGregor, TX Volume I Sections 1-7	December 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
234	Gray Areas Phase I Report Area H NWIRP McGregor, TX Volume II Appendix A-G	December 1, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
235	Gray Areas and RCRA Facilities Investigations Draft Phase II Report Area M NWIRP McGregor, TX Volume 1, Sections 1 through 7	December 15, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
236	Gray Areas and RCRA Facilities Investigations Draft Phase II Report Area M NWIRP McGregor, TX Volume II, Appendices A&B	December 15, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
237	Gray Areas and RCRA Facilities Investigations Draft Phase II Report Area M NWIRP McGregor, TX Volume III, Appendices C through E	December 15, 2000 CTO-0138	EnSafe/Navy (NWIRP)		Report
238	Gray Areas Phase II Report Area H, NWIRP McGregor, TX	June 1, 2001 CTO-0138	EnSafe/Navy (NWIRP)		Report
239	Draft Quarterly Interim Stabilization Measures Effectiveness Report, First Quarter 2001, NWIRP McGregor, TX	May 15, 2001 CTO-0138	EnSafe/Navy (NWIRP)		Report
240	Finding of Suitability to Transfer and Environmental Baseline Survey to Transfer Area L Parcel NWIRP McGregor, TX	May 15, 2001 CTO-0138	EnSafe/Navy (NWIRP)		Report
241	Various Correspondence Letters, Publications, Presentations and Newspaper Articles		Various	Various	Various types
242	Perchlorates General Information		Various	Various	Various types
243	Technical Memorandum: Soil Infiltration Study Workplan. NWIRP McGregor, TX	February 28, 2000 CTO-0127	EnSafe/Navy (NWIRP)	Mark Author	Technical Memorandum
244	Draft Quarterly Interim Stabilization Measures Effectiveness Report, 2nd Quarter 2000, NWIRP McGregor, TX	August 15, 2000 CTO-0127	EnSafe/Navy (NWIRP)	Ensafe	Report
245	Surface Water Perchlorate Sample Locations in and Around the NWIRP McGregor, TX	September 1, 1998	EnSafe/Navy (NWIRP)	Ensafe	Report
246	Task 3.5: Perchlorate Surface Water Monitoring Plan		Montgomery Watson Laboratories	Richard Zimmer	Lab Data
247	Middle Brazos River Basin, Texas Expedited Reconnaissance Study		USACE	James Weller	Report
248	Perchlorate Respondance Guidance Manual	June, 2001	Central Texas Perchlorate Stakeholders Committee		Report
249	World Wide Web Searches	Articles A-N	Various		
250	United States Geological Survey (USGS) Website	http://www.usgs.gov/			Electronic
251	National Resources Conservation Service (NRCS) Website	http://www.nrcs.usda.gov/			Electronic
252	City of Waco Webpage	http://www.waco-texas.com/city_depts/waterutilities/waterreport/lakewacosupply.htm			Electronic
253	Blacklands Research Center Website	http://www.brc.tamus.edu/			Electronic
254	Texas Parks and Wildlife Department (TPWD) Website	http://www.tpwd.state.tx.us/	Texas Parks and Wildlife		Electronic
255	US Fish and Wildlife Service (USFW) Website	http://www.fws.gov/			Electronic
256	Texas Natural Resource Conservation Commission (TNNRCC) Website	http://www.tnrcc.state.tx.us/index.html			Electronic
257	Texas State Soil and Water Conservation Board (TSSWCB) Website				
258	EPA Database (STORET)	http://www.epa.gov/storet/			Electronic
259	Southern Nevada Water Authority (SNWA) Website	http://www.snwa.com/index.html			Electronic

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
260	Technical Project Planning (TPP) Website	http://hq.environmental.usace.army.mil/tools/tpp/tpp.html			Electronic
261	NWIRP McGregor : Compliance Plan Application : Attachment C Sampling and Analysis Plan (SAP)	December 12, 2000			
262	Long-Term Groundwater Monitoring Program, Area E Fuel Farm, Tank E-1, Naval Weapons Industrial Reserve Plant, McGregor, Texas	April 1, 1991	Environmental Science and Engineering		
263	Contamination Assessment Report, Underground Storage Tanks, NWIRP McGregor, Texas	June 1,1989	Environmental Science and Engineering		
264	Verification Report, LUST Contamination/ Verification Study Phase 1, Naval Weapons Industrial Reserve Plant, McGregor, Texas	October 1987 Prepared for Naval Facilities Engineering Command, Southern Division, Charleston, S.C.	Environmental Science and Engineering		
265	Monitoring Report, Baseline Quarterly Sampling Event, Long-Term Groundwater Monitoring Program, Area E Fuel Farm, Tank E-1, Naval Weapons Industrial Plant, McGregor, Texas	August 1, 1991 Prepared for the Department of the Navy, Southern Division	EnSafe		
266	Semi-Annual Monitoring Report: Long-Term Groundwater Monitoring Program, Area E Fuel Farm, Tank E-1, Naval Weapons Industrial Reserve Plant, McGregor, Texas		EnSafe/Navy (NWIRP)		
268	Final Compliance Plan Application, Interim Status Unit 4, Burn Pit Area	December 12, 2000 Prepared for NAVAIRSYSCOM HQ	EnSafe	Various	
269	Environmental Baseline Survey To Transfer Transfer Parcel #6 and #7, NWIRP McGregor, McGregor, Texas	September 1, 2000 Prepared for Department of the Navy, Southern Division	EnSafe		
270	Southwest Research Institute, Sample Analysis Data Sheet				
271	Semi-Annual Monitoring Report: Long-Term Groundwater Monitoring Program, Area E Fuel Farm, Tank E-1, Naval Weapons Industrial Reserve Plant, McGregor, Texas		EnSafe/Navy (NWIRP)		
272	U.S. Army Corp of Engineers Fort Worth District, Community Relations Plan, Bosque and Leon River Watersheds Study	July 1, 2001		Various	Report
273	Contamination Assessment Work Plan, UST Evaluation, NWIRP McGregor, Texas and Completed LPST Case Review Request Form		Environmental Science and Engineering	Various	Report
275	TNRCC and EPA comment letters and correspondence		TNRCC	Various	Report
276	TNRCC Comment Letters regarding NWIRP Work Plans and Reports		TNRCC	Various	Letter
277	Brazos River Basin, Texas, Design Memorandum No. 2 on Waco Reservoir, Bosque River, Texas	31 October, 1958			Report
279	Project Correspondence		Various		Letter
280	Brazos River Basin, Texas, Definite Project Report on Belton Reservoir, Leon River, Texas	May 1, 1949		Various	Report
281	Bell County Perchlorate Data		Bell County		Field Data
282	Bluebonnet W.S.C. Plant Information as of October 31, 2000	October 31, 2000			Field Data
283	Texas Natural Resources Information System	http://www.tnris.state.tx.us/			Electronic
284	Texas Water Development Board	http://www.twdb.state.tx.us/			Electronic
285	The EDR Radius Atlas with Geocheck, Lake Belton and Lake Waco, Lake Belton and Lake Waco, McGregor, TX 76657	May 11, 2001		EDR	Report
286	Final Report for Closure of Non-Permitted NOR Units at the U.S. Naval Weapons Industrial Reserve Plant	July 31, 1996	TNRCC	Alliant Techsystems	Report
287	Administrative Report, Item 14, Property Plats Adjacent to NWIRP McGregor	29 June, 1999			Report

No.	Document Title	Publication Information	Agency	Author(s)	MaterialType
288	Report of 1966 Sedimentation Resurvey: Belton Lake, Leon River, Brazos River Basin, Texas				Report
289	Report of Sedimentation in Waco Lake, Bosque River, Texas, Brazos River Basin,Texas				Report
290	Defense Environmental Restoration Program for Formerly Used Defense Sites, Findings, Ordinance and Explosive Waste Archives Search Report for Former Bluebonnet Ordinance Plant, McGregor, Texas	April 1, 1994 Prepared for USACE, Huntsville Division	USACE		Report
291	Perchlorate Results of Water Samples- USGS	May 13, 1999	Montgomery Watson Laboratories		Field Data
292	Site Investigation at Former Bluebonnet Ordnance Plant, McGregor, Texas	October 1, 1999	USACE		Report
293	Site Investigation Report, Continuation of Investigations, Former Bluebonnet Ordnance Plant, McGregor, Texas	February 1, 2001	USACE		Report
294	Precipitation and Evaporation Data, U.S. Army Engineer District, Fort Worth, Corps of Engineers		USACE		Field Data
295	Brazos River Basin, Texas, Design Memorandum No. 1 on Waco Reservoir, Bosque River, Texas	April 1, 1958			Report
296	Electronic Data from Bluebonnet W.S.C. Plant		Various		Electronic
297	Electronic Data from Brazos River Authority		Brazos River Authority		Electronic
298	Electronic Data from City of Waco		City of Waco		Electronic
299	Electronic Data from US Army Engineer District, Fort Worth, Corps of Engineers		USACE		Electronic
300	Electronic Data from Bell County WCID # 1		Various		Electronic

Appendix B

DATA MANAGEMENT (GIS)

DATA MANAGEMENT (GIS)

All digital data collected or generated and validated throughout the study are stored and managed in a centralized Geographic Information System (GIS) database system. The GIS was developed to facilitate storage of both spatial and non-geographic data. The GIS was developed in ArcSDE using an Oracle 9i spatial database. The GIS was used for data analysis, data conversion, data validation, data management and creation of maps and animations for the study. This system contains relevant spatial and tabular information for use during the study and possible use in future investigations. The information stored within the database includes topographical, hydrological, geological, ecological, stream height, groundwater elevation and analytical GIS layers. The system is used to organize, store, manage, analyze, and present pertinent study data. Additional tools were also developed for the import of data, data management and export into various formats for use in analysis, reports and presentations. These tools include a data import wizard, data importer, document viewer and graph manager.

Determining Applicable Data Themes

This portion was conducted to determine the applicable data themes for this study. The results of this effort are presented in the *Final Technical Memo No. 1 Determine Applicable Data Themes* (MWH 2002).

This report identified various data themes to be procured as a part of the study. The following is a summary of various data themes identified:

- Water features (e.g.: Watersheds, Rivers, Streams, Lakes)
- Transportation (e.g.: Roads, Railways)
- Topographic features (e.g.: Contours, Bathymetry)
- Aerial Photography
- Census Tracts
- Geological Information
- Flood Plains
- Land Use (Commercial, Industrial, Residential etc.)
- Data source (image, CADD, cov/shp/geodatabase)
- Method for integrating that data within GIS

GIS System Specification

A needs assessment was undertaken to first review and then recommend a GIS software system appropriate for the study. The specifications of the GIS system are presented in

detail in the *Final Technical Memo No. 2 User Needs Assessment* (MWH 2002). The main objectives of this report are presented below.

- Compilation of information regarding the current use of mapping technologies
- Review and recommendation of GIS software
- Preparation of a Work Plan and flow chart for phased implementation of the GIS
- Data transfer and digitizing procedure recommendations
- Selection of a standard datum and coordinate system
- Data management recommendations
- Quality assurance/quality control (QA/QC) procedures for data validation
- Development of strategy for distributing this information in an easy-to-use way

The results of this task were a work plan showing phases involved in implementing data conversion or generation of applicable data layers, GIS development, and a report containing analysis of results of the needs assessment and recommendations.

Data Conversion

The next stage of the study was to compile an appropriate "warehouse" of topographical, facility, hydrological, geological, ecological and analytical GIS data layers in a common system for use as a stand-alone GIS. This task involved conversion of the collected data to GIS compatible data. A summary of various types of data encountered is listed below.

- Existing GIS data
- CAD drawings
- Scanned images
- Geo-referencing raster images (e.g.: satellite / aerial photographs)
- Loading appropriate tabular information, creating spatial links. (e.g.: sample results)
- Field data (e.g.: boring logs, ground water measurements)
- Spatial location and attribute data (e.g.: 'time-varying' data such as flow records, changes in water levels, etc.)

GIS Development

The main features of the GIS development and data management phase was to convert and load appropriate data into a common data/GIS platform, validate data, integrate with different types of data, and above all manage the flow of data throughout the course of the study. The structure of the tables and spatial files was designed to allow easy access to the data while minimizing storage space and duplication.

The following were the key components for this task:

- Implementation of the database schema
- Methods to normalize data to minimize data storage
- Integration of existing spatial and attribute data imported in the GIS
- Implementation of version control procedures
- Customization of data viewing and querying tools
- Development of Federal Geographic Data Committie (FGDC) compliant Metadata for GIS layers

GIS Tools

These additional tools were developed for import of data, data management and export into various formats for use in analysis, reports or presentations.

Data Import Wizard

This tool was developed to import data into the GIS. It creates a template for a particular kind of data imported, which always follows the same data structure. For example, the monitoring station equipment always stores water level data in the same format. Once a template was created for importing this water level data into the database, it could be used to import water level data at different times in the study and from different stations that use the same equipment. This tool uses a sample data file to create the template. The various types of data that can be used are structured data (fixed width or delimited). Fixed width data always have the same width for each of the fields, while delimited data have each field separated by an identifier such as a comma or a semicolon. The import wizard is also capable of getting information about the header field to go along with the data itself (e.g.: Date, Rain). It then stores information about each field so that no erroneous values are stored (e.g.: 'Date' data type will store "10/12/2002" but not "3.45"). The import wizard also has capabilities of filtering out unwanted data, removing blank lines and handling null values.

Data Importer

Once the template is created using the 'Data Import Wizard', the data importer uses it to import the data. It is capable of importing multiple tables at one time. It uses the template to check the data to verify that various data types in the data matches those in the

template. It then flags up an error message to point out problems in the data. Once it goes through this procedure of checking the data, it writes the data into the GIS database.

Document Viewer

This tool was developed to display data. This can be used to view pictures, graphs, reports, and any other non-GIS document associated with a GIS feature (e.g: well boring log, photographs etc.). This tool is available off a menu and toolbar to allow a user to click on a GIS feature and to then display a list of all the documents associated with that feature, including associations via relationship classes. The user would then be able to select the document to view and that would cause the host application to start up and to display the document (e.g. a photograph would be opened in "Microsoft Photoeditor" or any other imaging program).

Graph Manager

This tool was developed to display data. This can be used to display a data form/ multiple data forms with data and graphics displayed for the selected GIS feature and then display results graphically. This is a tool available off a menu and a button to allow the graphing and comparison of data imported via the importers previously.

The main features of the Grapher are detailed below:

- Graphical view of single data parameter display for one location (e.g.: Groundwater Elevation)
- Graphical view of up to three different data parameters for one location (e.g.: Groundwater Elevation, Perchlorate Concentrations, and Rainfall)
- Graphical view of up to three different data parameters for multiple locations (e.g.: Groundwater Elevation, Perchlorate Concentrations, and Rainfall for two locations)
- Allow multiple date periods to be compared (i.e. Week 1 plotted on top of Week 2)
- Data range such as a start and end time
- Simple Statistics of the selected parameter (e.g.: Minimum, Maximum and Average)
- A simple data grid displaying text
- Querying out data from the GIS based on a particular criteria
- Exporting data into other programs like Excel for further manipulation

Theme Manager

This tool was developed to display data. This tool allows the user to select from a menu the type of predefined display class he/she would like to see on screen. Upon selection of a display class (e.g.: Study Area), the tool turns on the layers, which makes up the selected display and adds and displays the required themes.

Animations

Animations were created on an as-needed basis at various stages of the study. One of the animations that was created was a three-dimensional image of the Lake to study the current bathymetric data with the original thalweg of the lake for determining flow patterns.

Appendix C

PERCHLORATE RESIDUES IN STREAM WATER GRAB SAMPLES

Perchlorate Residues in Stream Water Grab Samples

Location Description	ID[a]	Sampling Date	Perchlorate (ng/mL)[a]
Tank Creek at Highway 317	T1		
		3/16/2001	ND
		5/16/2001	ND
		6/5/2001	ND
		3/11/2002	ND
		5/23/2002	ND
Wasp Creek at Highway 317	T2		
		3/16/2001	ND
		5/16/2001	ND
		6/5/2001	ND
		3/11/2002	ND
		5/23/2002	ND
Pecan Creek at Highway 317	T3		
		3/16/2001	ND
		5/16/2001	ND
		6/5/2001	ND
		6/25/2001	ND
		11/13/2001	ND
		3/11/2002	ND
		5/23/2002	ND
Wasp Creek at FM 938	T4		
		6/25/2001	ND
Pecan Creek at FM 938	T5		
		5/16/2001	ND
Station Creek at Oglesby Road	T6		
		3/16/2001	ND
		5/15/2001	ND
		6/5/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		10/16/2001	ND
		11/13/2001	ND
		1/18/2002	ND
		3/11/2002	ND
		5/23/2002	ND
		8/7/2002	ND
Pew Branch at Highway 107	T7		
		3/16/2001	ND
		11/13/2001	ND
		3/11/2002	ND
		5/23/2002	ND
		8/7/2002	ND
Harris Creek at Oglesby Road North	T8		
		3/16/2001	ND
		5/15/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		10/16/2001	ND

		11/13/2001	ND
		1/18/2002	ND
		3/11/2002	ND
Stampede Creek at Highway 107	T9		
		6/5/2001	ND
		3/11/2002	ND
		5/23/2002	ND
Hog Creek	T10		
		3/16/2001	ND
Hog Creek 2	T11		
		3/16/2001	ND
Middle Bosque near Highway 84	T12		
		3/16/2001	ND
Harris Creek at Highway 317	T13		
		3/16/2001	11
		5/15/2001	ND
		6/5/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		9/6/2001	ND
		9/20/2001	10
		10/16/2001	10
		11/13/2001	ND
		1/18/2002	15
		3/11/2002	10
		5/23/2002	12
		7/15/2002	9
		8/8/2002	10
Un-Identified Tributary from WWTP at Highway 317	T14		
		3/16/2001	ND
		5/15/2001	19
		6/5/2001	17
		6/25/2001	19
		7/30/2001	ND
		8/28/2001	ND
		9/6/2001	35
		9/20/2001	17
		10/16/2001	13
		1/18/2002	17
		3/11/2002	17
		5/23/2002	24
		7/15/2002	20
		8/7/2002	20
		1/9/2003	ND
		1/10/2003	ND
S Creek at Highway 317	T15		
		3/16/2001	67
		5/15/2001	441
		6/5/2001	440
		6/25/2001	537
		9/7/2001	395
		9/20/2001	152

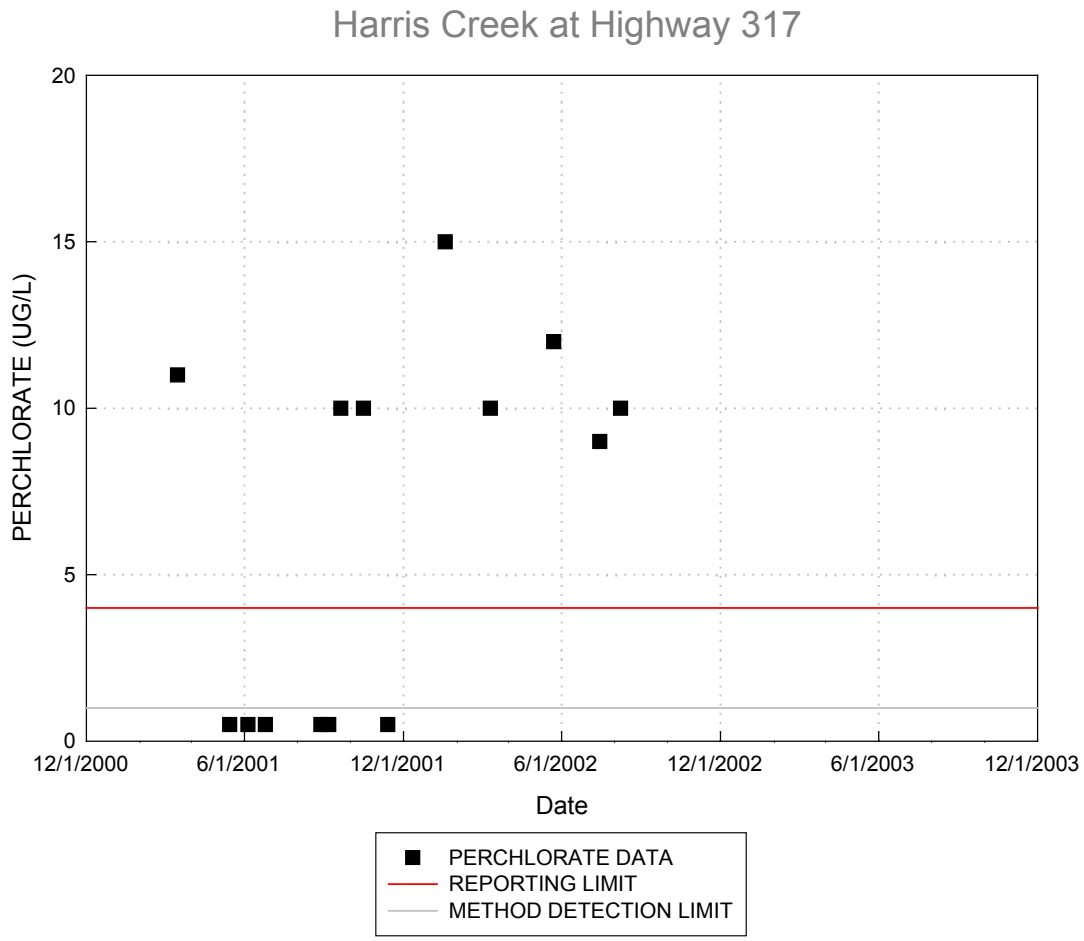
		10/16/2001	260
		1/18/2002	154
		3/11/2002	223
		5/23/2002	478
		7/15/2002	226
		8/7/2002	237
		8/8/2002	241
		8/17/2002	343
		1/9/2003	66
		1/10/2003	67
South Bosque at Highway 317	T16		
		3/16/2001	ND
		5/15/2001	ND
		6/5/2001	ND
		6/25/2001	11
		8/28/2001	ND
		9/6/2001	ND
		9/20/2001	ND
		10/16/2001	ND
		11/13/2001	ND
		1/18/2002	ND
		3/11/2002	ND
		5/23/2002	ND
		8/17/2002	ND
		1/10/2003	ND
Harris Creek at Oglesby Road	T17		
		3/16/2001	ND
		5/15/2001	ND
		5/16/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		9/6/2001	ND
		9/20/2001	ND
		10/16/2001	ND
		11/13/2001	ND
		1/18/2002	13
		3/11/2002	8
		8/7/2002	ND
Spring on Oglesby Road	T18		
		8/28/2001	62
		9/6/2001	49
		9/20/2001	44
		10/16/2001	67
		11/13/2001	26
		1/18/2002	55
		3/11/2002	38
		7/15/2002	31
		8/7/2002	28
Harris Creek at Highway 84 West of McGregor	T19		
		3/16/2001	ND
		5/15/2001	ND
		6/25/2001	ND

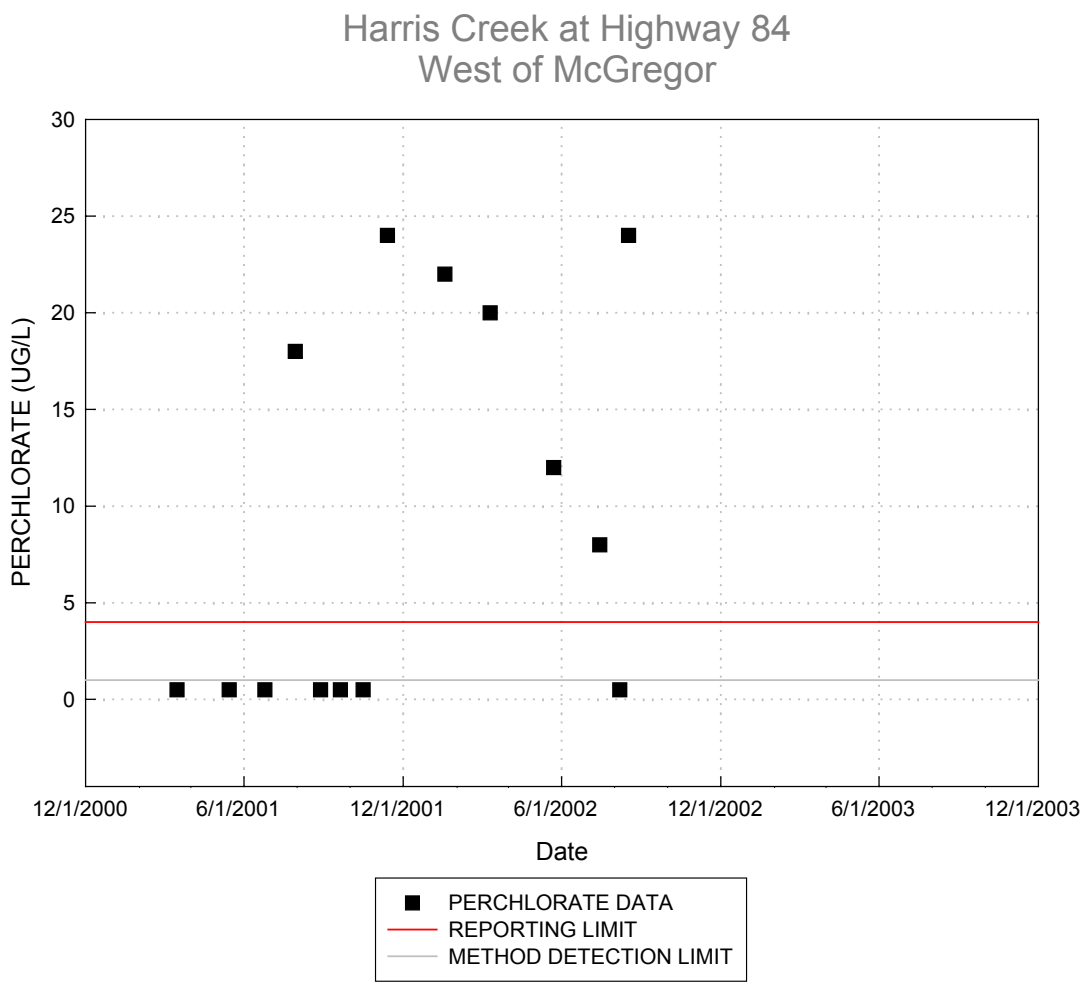
		7/30/2001	18
		8/28/2001	ND
		9/20/2001	ND
		10/16/2001	ND
		11/13/2001	24
		1/18/2002	22
		3/11/2002	20
		5/23/2002	12
		7/15/2002	8
		8/7/2002	ND
		8/17/2002	24
Station Creek near the NWIRP Boundary	T20		
		8/7/2002	ND
		8/8/2002	ND
		8/17/2002	ND
Station Creek near the NWIRP Boundary 2	T21		
		8/7/2002	44
		8/17/2002	70
Tributary feeding Station Creek near NWIRP Boundary	T22		
		8/7/2002	10
Station Creek at Highway 107	T23		
		3/16/2001	148
		5/15/2001	28
		6/5/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		9/6/2001	31
		9/7/2001	31
		9/20/2001	19
		10/16/2001	10
		11/13/2001	21
		1/18/2002	27
		3/11/2002	14
		5/23/2002	20
		7/15/2002	12
		8/7/2002	17
		8/17/2002	14
		1/10/2003	ND
Onion Creek North of Highway 107	T24		
		3/16/2001	ND
		5/15/2001	ND
		10/16/2001	4
		11/13/2001	ND
		1/18/2002	ND
		3/11/2002	ND
		8/7/2002	ND
Onion Creek at Highway 107	T25		
		3/16/2001	ND
		5/15/2001	ND
		6/5/2001	ND
		8/28/2001	33
		9/20/2001	ND

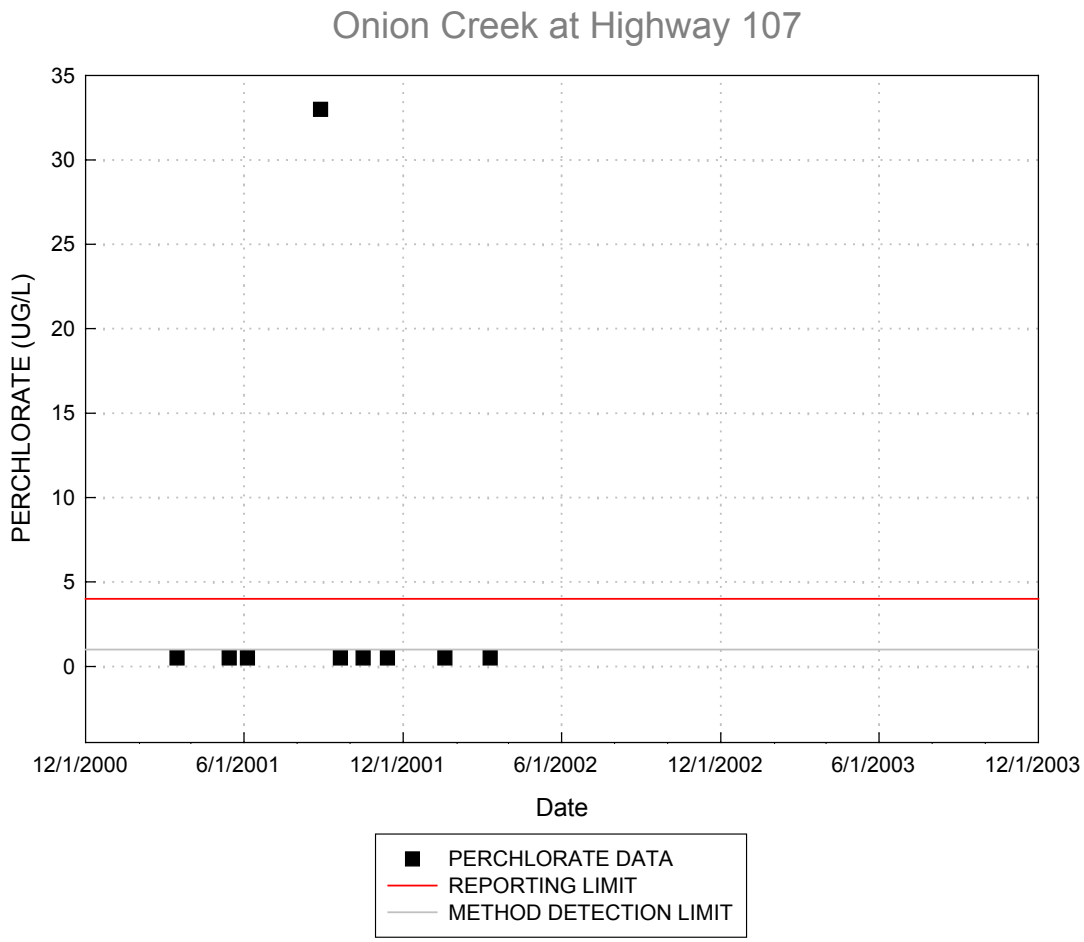
		10/16/2001	ND
		11/13/2001	ND
		1/18/2002	ND
		3/11/2002	ND
Station Creek at Old River Road	T26		
		5/15/2001	23
		8/29/2001	ND
		9/6/2001	ND
		9/20/2001	69
		10/16/2001	15
		11/13/2001	10
		1/18/2002	20
		3/11/2002	10
Station Creek at Leon River	T27		
		9/6/2001	ND
		9/7/2001	ND
Leon River at Mother Neff Park	T28		
		3/16/2001	ND
		6/25/2001	ND
		10/16/2001	ND
		3/11/2002	ND
		5/23/2002	ND
South Bosque West of Highway 317	T29		
		5/15/2001	ND
		6/25/2001	ND
		10/16/2001	ND
		11/13/2001	ND
		1/18/2002	11
		3/11/2002	6
		8/7/2002	ND
Harris Creek at Windsor Road	T30		
		3/11/2002	8
		5/23/2002	10
Willow Creek at Highway 2416	T31		
		3/11/2002	ND
		5/23/2002	ND
Willow Creek 2 at Highway 2416	T32		
		3/11/2002	ND
South Bosque at Indian Trail	T33		
		5/15/2001	ND
		7/30/2001	ND
		8/29/2001	35
		9/20/2001	10
		10/16/2001	8
		11/13/2001	7
		1/18/2002	17
		3/11/2002	13
		5/23/2002	18
Harris Creek at Highway 84 near the Executive Airport	T34		
		3/16/2001	ND
		5/16/2001	ND
		6/5/2001	ND

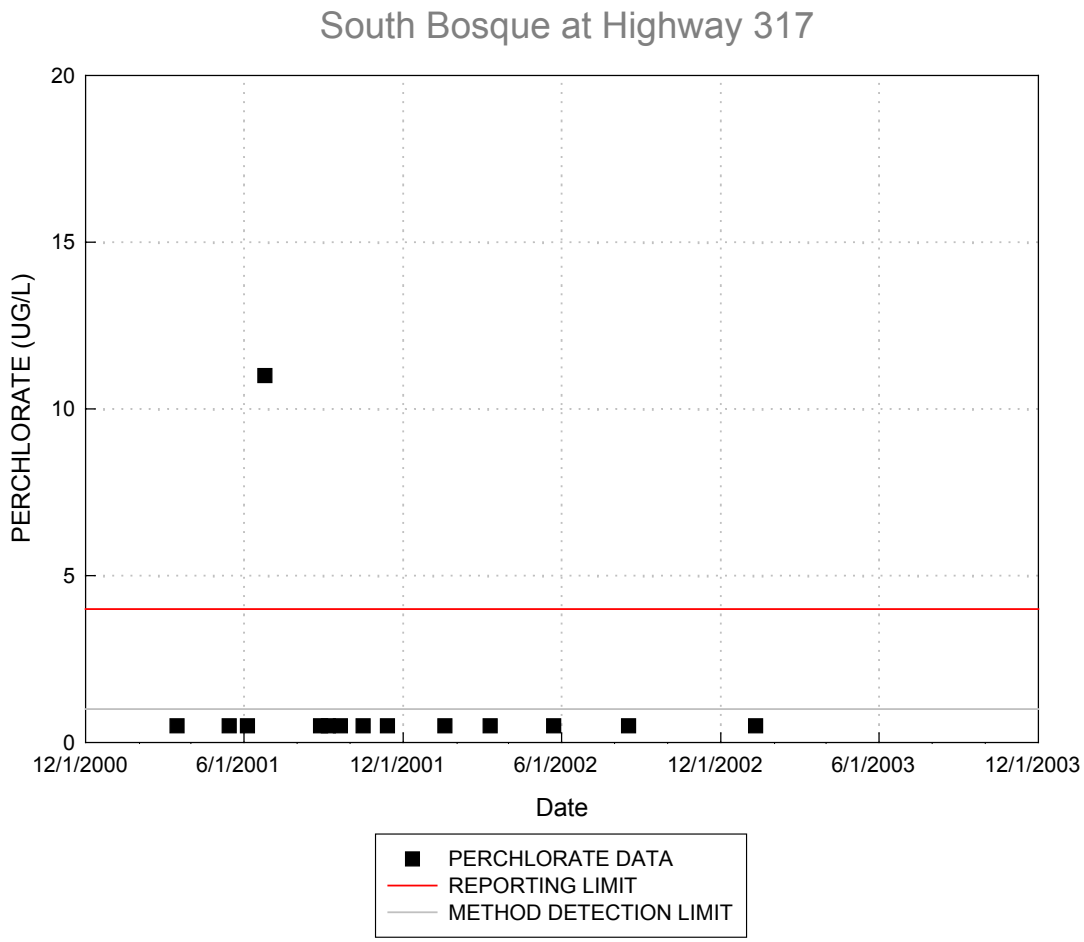
		6/25/2001	ND
		10/16/2001	3
		3/11/2002	7
		5/23/2002	ND
South Bosque at Highway 84	T35		
		3/16/2001	ND
		5/14/2001	ND
		6/5/2001	ND
		6/25/2001	ND
		8/28/2001	ND
		11/13/2001	5
		3/11/2002	7
		5/23/2002	ND

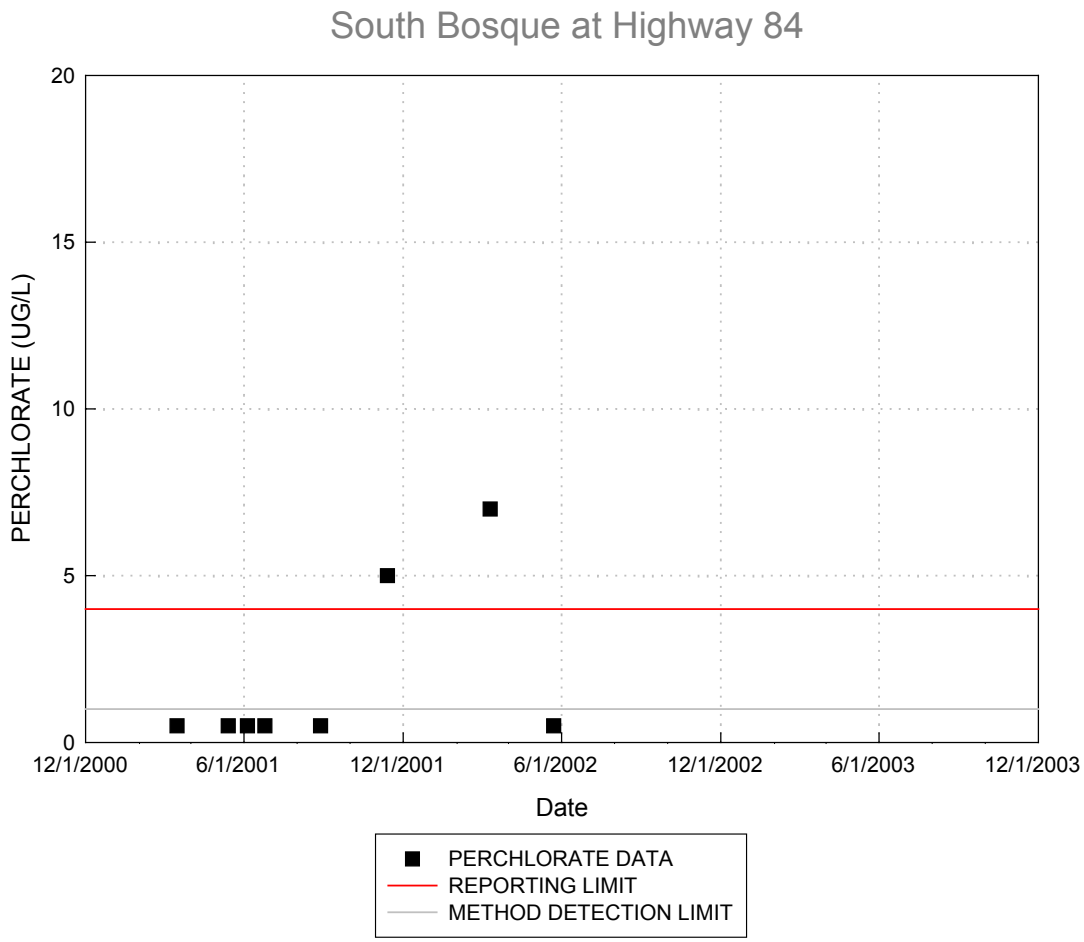
[a]average of duplicate samples
ND = not detected (detection limit = 1 ng/mL)

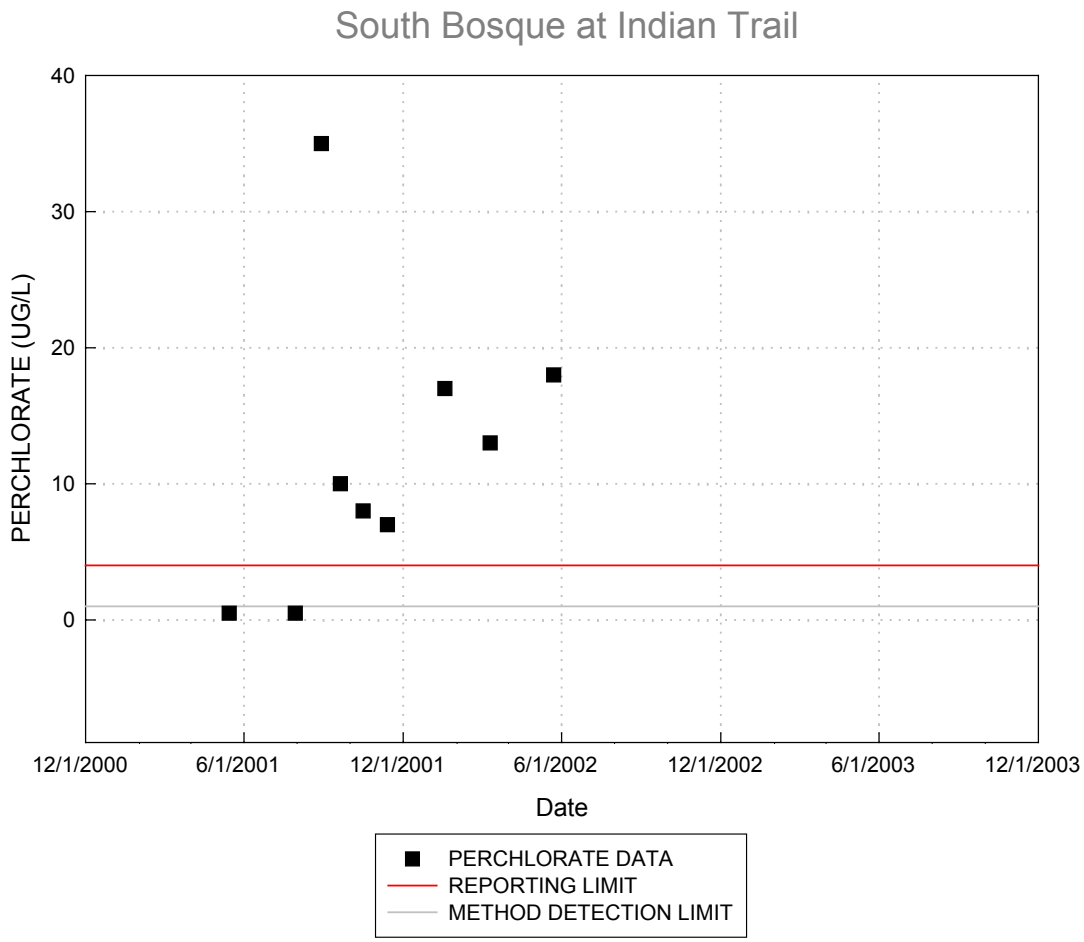

Harris Creek at Highway 317
PERCHLORATE (UG/L)
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

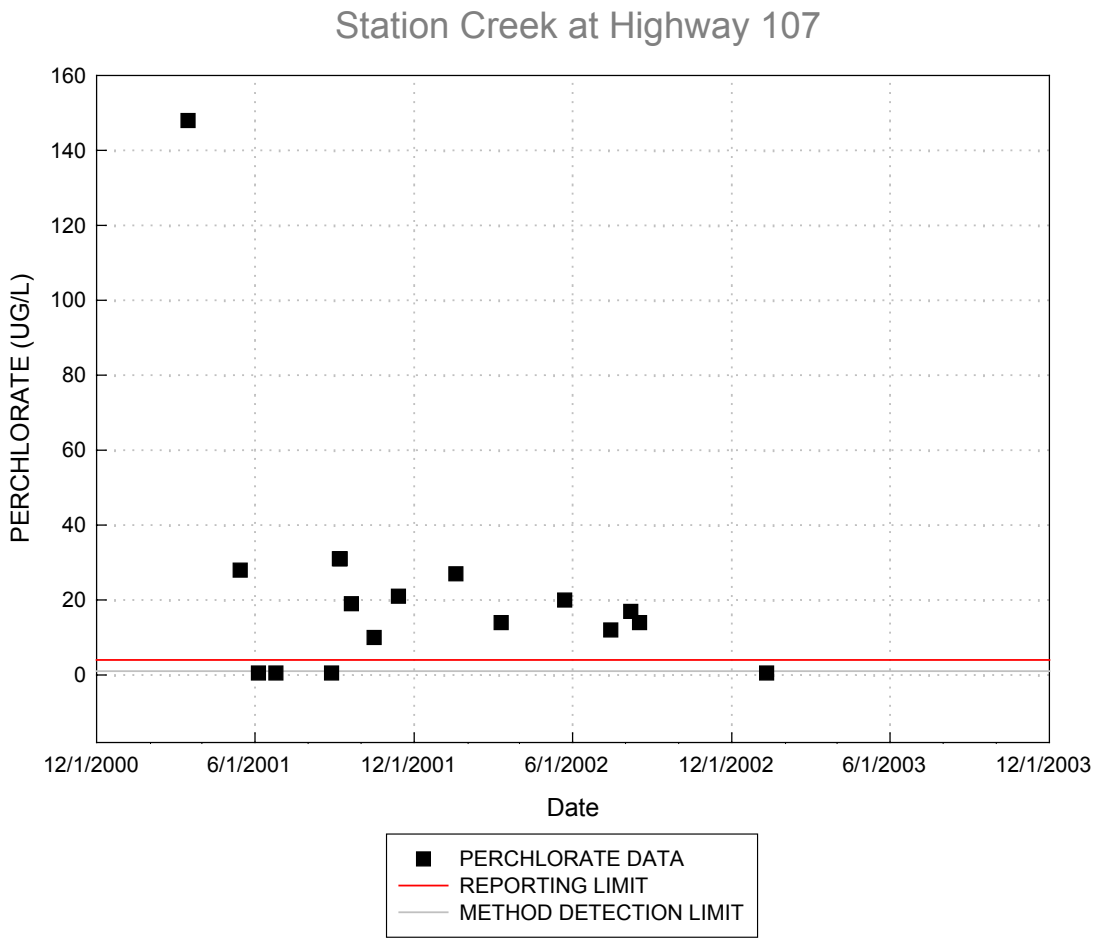

Harris Creek at Highway 84
West of McGregor
PERCHLORATE (UG/L)
30
25
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

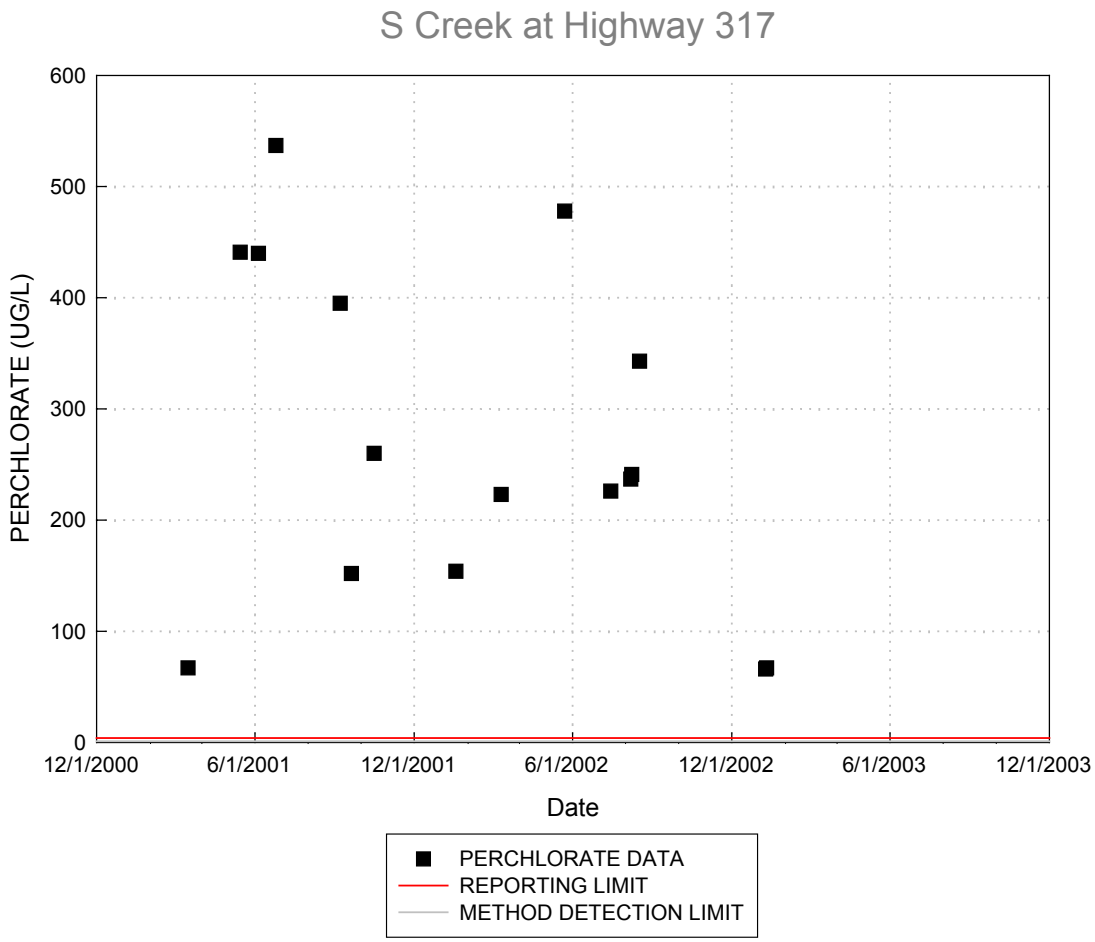

Onion Creek at Highway 107
PERCHLORATE (UG/L)
35
30
25
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

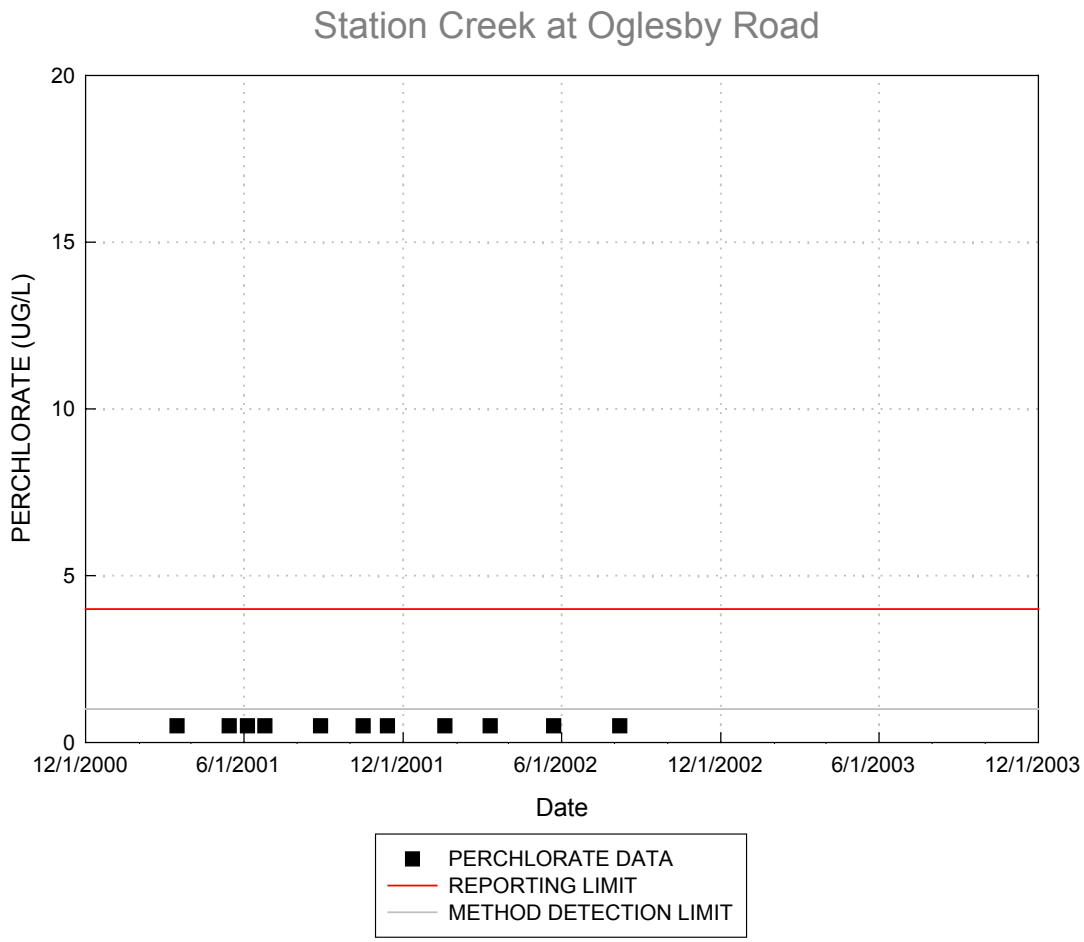

South Bosque at Highway 317
PERCHLORATE (UG/L)
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

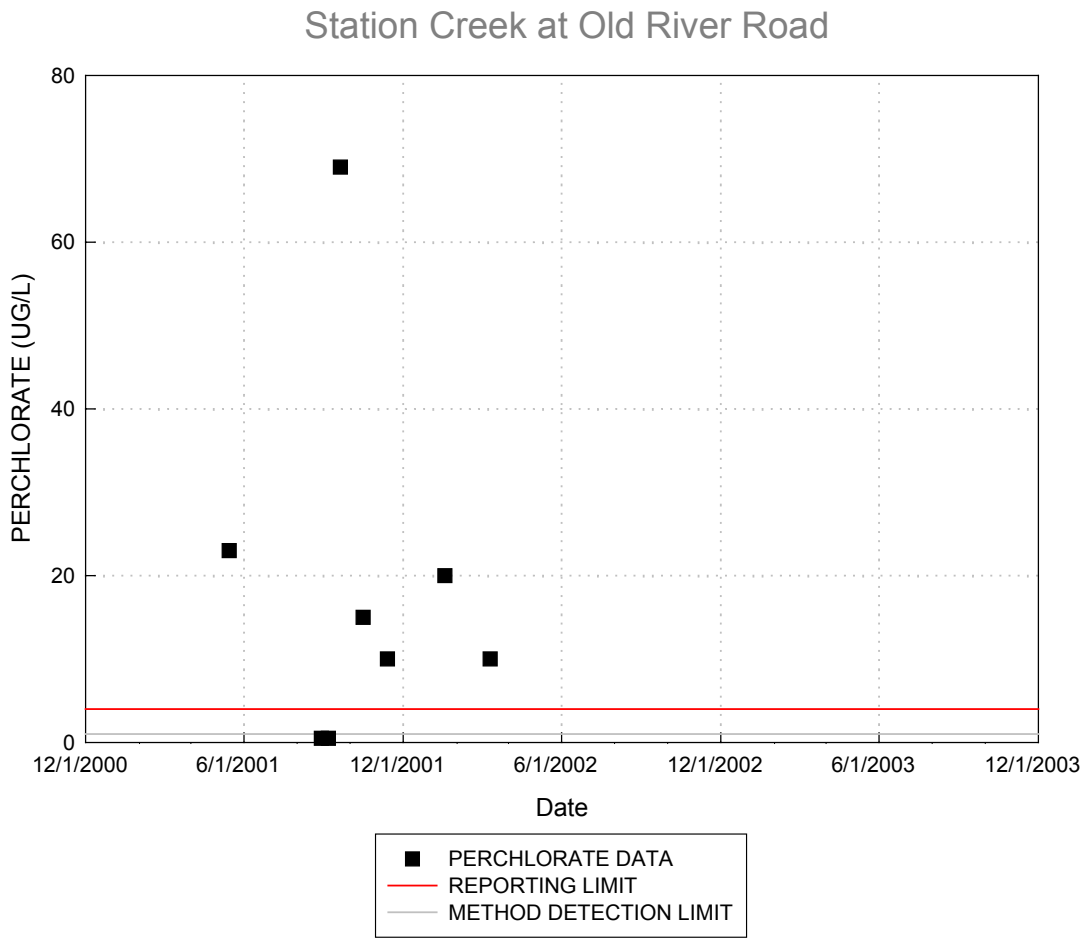

South Bosque at Highway 84
PERCHLORATE (UG/L)
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

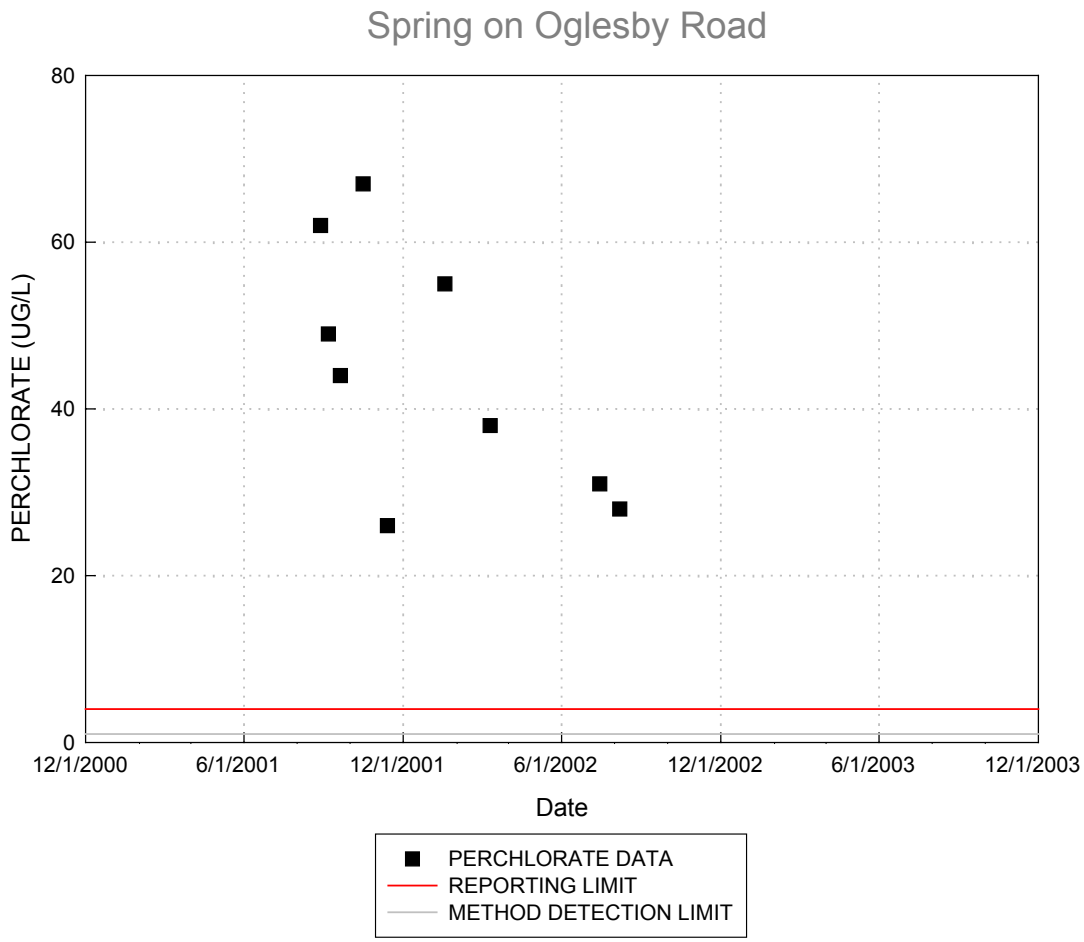

South Bosque at Indian Trail
PERCHLORATE (UG/L)
40
30
20
10
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

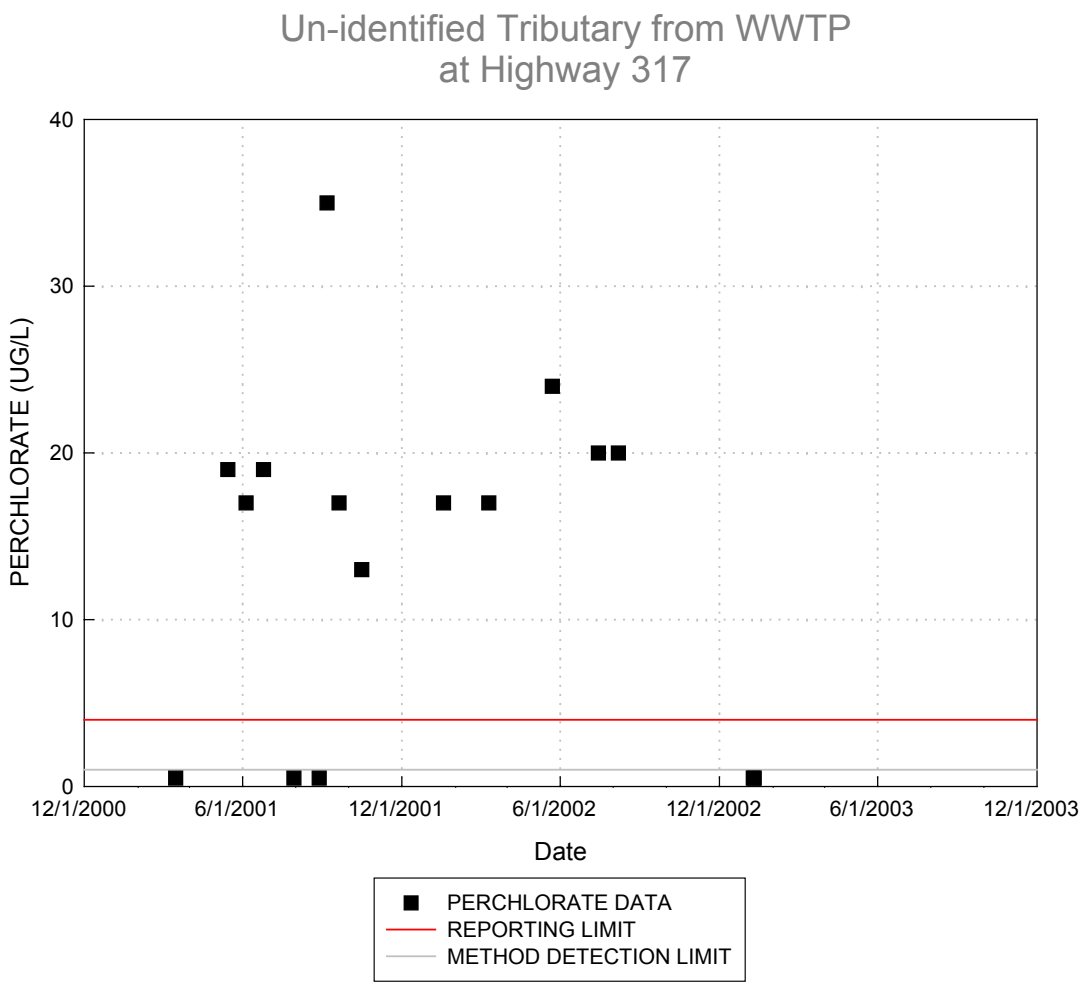

Station Creek at Highway 107
PERCHLORATE (UG/L)
160
140
120
100
80
60
40
20
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT


S Creek at Highway 317
PERCHLORATE (UG/L)
600
500
400
300
200
100
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT


Station Creek at Oglesby Road
PERCHLORATE (UG/L)
20
15
10
5
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT


Station Creek at Old River Road
PERCHLORATE (UG/L)
80
60
40
20
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT


Spring on Oglesby Road
PERCHLORATE (UG/L)
80
60
40
20
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT


Un-identified Tributary from WWTP
at Highway 317
PERCHLORATE (UG/L)
40
30
20
10
0
12/1/2000
6/1/2001
12/1/2001
6/1/2002
12/1/2002
6/1/2003
12/1/2003
Date
PERCHLORATE DATA
REPORTING LIMIT
METHOD DETECTION LIMIT

Appendix D

LONGITUDINAL STREAM SAMPLING STUDY FIELD OBSERVATIONS AND WATER QUALITY DATA

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR2	17-Oct-02	12:43	Clear	Calm	93	N/A	N/A	Normal	20	19.61	12.14	678.7	8.27	0.35	132.6
CHC1	17-Oct-02	9:25	Clear	Slight	38	N/A	N/A	Normal	0	18.94	6.29	375.0	8.15	0.20	68.9
SBR4	17-Oct-02	11:00	Clear	Slight	27	N/A	N/A	Normal	0	16.06	8.23	545.0	7.60	0.30	85.9
MBR1	17-Oct-02	11:47	Clear	Slight	41	N/A	N/A	Normal	0	17.33	6.50	459.0	7.95	0.20	69.8
SBR5	17-Oct-02	14:30	Clear	Calm	32	N/A	N/A	Normal	0	18.62	3.74	435.6	7.57	0.22	36.4
SBR3	17-Oct-02	14:06	Clear	Calm	32	N/A	N/A	Normal	10	17.89	10.24	260.9	8.08	0.12	108.6
HC2	17-Oct-02	13:30	Clear	Slight	93	N/A	N/A	Normal	20	16.44	9.94	566.5	7.96	0.29	102.2
HC1	17-Oct-02	13:06	Clear	Calm	93	N/A	N/A	Normal	25	17.03	9.66	587.2	7.88	0.30	100.0
SBR1	17-Oct-02	12:12	Clear	Slight	93	N/A	N/A	Normal	50	17.96	9.80	701.4	7.94	0.36	101.7
TRM1	17-Oct-02	10:47	Clear	Calm	32	N/A	N/A	Normal	30	15.62	8.51	944.4	7.72	0.49	75.0
SC1	17-Oct-02	10:25	Clear	Calm	32	N/A	N/A	Normal	40	15.32	10.17	377.0	7.85	0.18	101.1
SC3	17-Oct-02	10:03	Clear	Calm	101	N/A	N/A	Normal	30	14.84	9.18	545.0	8.00	0.28	91.5
OC1	17-Oct-02	9:45	Clear	Calm	93	N/A	N/A	Low	70	13.58	9.77	590.8	7.73	0.30	91.7
SC5	17-Oct-02	9:20	Clear	Calm	93	N/A	N/A	Low	0	13.85	5.20	572.4	7.42	0.29	50.4
LR1	17-Oct-02	9:00	Clear	Calm	32	N/A	N/A	Normal	0	15.99	7.92	375.5	7.79	0.19	80.0
HC1	18-Oct-02	11:16	Cloudy	Slight	93	N/A	N/A	Normal	25	18.02	8.47	558.1	7.91	0.28	91.0
HC2	18-Oct-02	11:07	Cloudy	Mod	93	N/A	N/A	Normal	0	17.15	8.59	535.7	7.97	0.27	90.1
SBR2	18-Oct-02	10:43	Cloudy	Mod	93	N/A	N/A	Normal	10	18.77	9.61	651.1	8.25	0.34	104.8
SBR1	18-Oct-02	10:26	Cloudy	Mod	93	N/A	N/A	Normal	20	18.58	8.14	671.6	7.97	0.35	88.5
TRM1	18-Oct-02	10:03	Cloudy	Slight	93	N/A	N/A	No Flow	0	17.51	5.58	884.2	7.69	0.46	58.8
SC1	18-Oct-02	N/A	Cloudy	Slight	37	N/A	N/A	Normal	0	17.64	8.28	549.7	7.81	0.28	88.3
SC3	18-Oct-02	9:37	Cloudy	Slight	93	N/A	N/A	Low	0	17.20	8.47	510.5	8.04	0.26	89.5
OC1	18-Oct-02	9:24	Cloudy	Slight	93	N/A	N/A	Low	0	17.31	7.56	562.7	7.29	0.29	79.9
SC5	18-Oct-02	9:15	Cloudy	Calm	93	N/A	N/A	Low	0	16.53	4.97	544.1	7.45	0.28	51.8
LR1	18-Oct-02	8:50	Cloudy	Slight	27	N/A	N/A	Normal	0	17.28	7.56	305.2	7.79	0.15	80.0
SBR5	18-Oct-02	11:05	PT/Cloudy	Slight	32	N/A	N/A	Normal	0	17.73	6.82	519.8	7.99	0.26	72.9
MBR1	18-Oct-02	11:30	Cloudy	Calm	30	N/A	N/A	Normal	10	18.21	5.15	436.0	7.94	0.22	54.3
SBR4	18-Oct-02	10:35	PT/Cloudy	Slight	26	N/A	N/A	Normal	5	17.59	6.93	556.2	8.00	0.28	73.2
SBR3	18-Oct-02	10:10	PT/Cloudy	Slight	32	N/A	N/A	Normal	15	17.48	8.02	506.8	8.07	0.26	83.7
CHC1	18-Oct-02	9:08	PT/Cloudy	Slight	96	N/A	N/A	Normal	0	19.55	7.59	397.1	8.26	0.20	83.9
MRB1	21-Oct-02	14:50	Rain	Slight	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR4	21-Oct-02	14:11	Rain	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	21-Oct-02	12:05	Cloudy	Slight	101	N/A	N/A	Normal	25	17.70	5.63	884.6	7.50	0.46	52.8
SC1	21-Oct-02	12:00	Cloudy	Slight	28	N/A	N/A	Normal	25	17.37	8.60	612.1	8.05	0.32	91.2
SC3	21-Oct-02	11:40	Cloudy	Calm	91	N/A	N/A	Normal	40	17.35	8.50	566.8	8.05	0.29	90.3
OC1	21-Oct-02	11:25	Cloudy	Slight	91	N/A	N/A	Normal	80	17.10	8.65	585.9	7.77	0.30	90.3
HC1	21-Oct-02	10:55	Cloudy	Calm	93	N/A	N/A	Normal	15	17.65	8.53	583.1	7.98	0.30	91.3
SBR1	21-Oct-02	10:30	Rain	Mod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC2	21-Oct-02	10:00	Rain	Calm	N/A	N/A	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR5	21-Oct-02	9:30	Rain	Calm	32	N/A	N/A	Normal	0	17.45	8.40	475.1	7.98	0.24	89.6
CHC1	21-Oct-02	10:38	Rain	Slight	55	N/A	N/A	Normal	0	18.15	6.56	274.0	7.82	0.18	71.0
LR1	21-Oct-02	11:35	Cloudy	Calm	38	N/A	N/A	Normal	0	17.80	5.86	449.0	8.10	0.29	64.0
SC5	21-Oct-02	11:55	Cloudy	Calm	93	N/A	N/A	Low	0	17.07	4.46	576.0	7.54	0.37	46.7
SBR2	21-Oct-02	13:35	Rain	Slight	23	N/A	N/A	Normal	0	18.09	8.25	657.0	8.12	0.42	88.5
SBR3	21-Oct-02	14:01	Rain	Calm	37	N/A	N/A	Normal	0	17.91	9.28	546.0	8.24	0.35	99.0

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR3	21-Oct-02	14:05	Cloudy	Slight	56	N/A	N/A	High	0	17.95	8.91	220.5	7.76	0.10	95.2
SBR4	21-Oct-02	13:45	Rain	Slight	55	N/A	N/A	High	0	N/A	N/A	N/A	N/A	N/A	N/A
SBR5	21-Oct-02	N/A	Cloudy	Slight	55	N/A	N/A	High	0	17.62	8.45	229.1	7.82	0.11	89.7
MBR1	21-Oct-02	13:06	Cloudy	Calm	55	N/A	N/A	High	0	18.12	6.01	258.3	7.89	0.12	64.4
HC2	21-Oct-02	11:40	Cloudy	Slight	57	N/A	N/A	High	0	17.45	8.95	198.6	7.82	0.09	95.3
SBR2	21-Oct-02	11:15	Cloudy	Slight	55	N/A	N/A	High	0	17.33	8.66	213.9	7.79	0.10	91.8
HC1	21-Oct-02	11:00	Cloudy	Slight	56	N/A	N/A	Flood	0	17.81	8.52	283.8	7.75	0.14	69.5
SBR1	21-Oct-02	10:25	Cloudy	Slight	94	N/A	N/A	Flood	0	17.29	7.41	199.9	7.71	0.09	78.2
SC3	21-Oct-02	10:00	Cloudy	Slight	56	N/A	N/A	High	0	17.02	8.92	176.1	7.79	0.08	93.9
TRM1	21-Oct-02	9:40	Cloudy	Slight	56	N/A	N/A	High	0	16.96	8.11	104.4	8.11	0.04	84.9
OC1	21-Oct-02	9:30	Cloudy	Slight	56	N/A	N/A	High	0	17.31	8.43	235.5	7.58	0.11	89.0
SC5	21-Oct-02	9:15	Cloudy	Calm	94	N/A	N/A	High	0	17.16	9.04	195.6	7.87	0.09	95.0
LR1	21-Oct-02	9:00	Cloudy	Slight	94	N/A	N/A	High	0	17.32	8.36	284.1	7.77	0.14	88.2
CHC1	21-Oct-02	8:25	Cloudy	Slight	94	N/A	N/A	Normal	0	17.03	5.95	227.9	7.73	0.11	62.4
SBR3	21-Oct-02	14:10	Cloudy	Slight	56	N/A	N/A	High	0	19.60	8.74	463.1	8.07	0.23	96.2
SBR4	21-Oct-02	13:50	Cloudy	Slight	56	N/A	N/A	High	0	19.50	7.75	461.8	7.90	0.23	85.2
SBR2	21-Oct-02	13:25	Cloudy	Slight	56	N/A	N/A	High	0	19.62	7.95	497.8	7.94	0.25	87.9
SBR1	21-Oct-02	13:10	Cloudy	Slight	37	N/A	N/A	High	0	20.03	7.96	507.5	7.78	0.26	88.0
CHC1	21-Oct-02	10:57	Cloudy	Slight	94	N/A	N/A	High	0	18.58	8.15	229.9	7.78	0.11	88.1
LR1	21-Oct-02	9:50	Cloudy	Slight	56	N/A	N/A	High	0	17.84	7.78	300.1	7.77	0.15	83.3
SC5	21-Oct-02	9:40	Cloudy	Slight	55	N/A	N/A	Normal	0	18.80	8.22	354.7	7.99	0.18	89.9
OC1	21-Oct-02	9:20	Cloudy	Slight	25	N/A	N/A	Normal	0	19.41	7.72	599.8	7.69	0.31	85.0
SC1	21-Oct-02	9:10	Cloudy	Slight	57	N/A	N/A	High	0	18.44	8.09	487.1	7.81	0.25	87.3
TRM1	21-Oct-02	9:05	Cloudy	Slight	56	N/A	N/A	Normal	0	18.50	6.52	369.1	7.26	0.18	69.3
SC3	21-Oct-02	8:55	Cloudy	Slight	57	N/A	N/A	High	0	18.97	8.17	451.2	7.88	0.23	89.0
HC1	21-Oct-02	8:25	Cloudy	Slight	56	N/A	N/A	High	0	19.25	8.17	503.8	7.87	0.26	90.3
HC2	21-Oct-02	8:15	Cloudy	Slight	57	N/A	N/A	High	0	19.15	8.08	434.4	7.90	0.22	88.6
SBR5	21-Oct-02	8:00	Cloudy	Slight	57	N/A	N/A	High	0	18.94	8.58	375.5	7.97	0.19	93.3
MBR1	21-Oct-02	7:45	Cloudy	Calm	56	N/A	N/A	High	0	18.57	8.15	341.1	7.99	0.17	87.6
SC1	22-Oct-02	9:45	Cloudy	Slight	56	N/A	N/A	Flood	0	17.00	8.01	171.8	7.82	0.08	83.9
SBR3	25-Oct-02	13:17	Cloudy	Slight	27	N/A	N/A	Normal	0	17.03	9.15	574.1	8.16	0.29	96.8
SBR4	25-Oct-02	12:50	Cloudy	Slight	27	N/A	N/A	Normal	0	17.66	8.38	606.3	8.08	0.31	88.6
SBR2	25-Oct-02	12:20	Cloudy	Slight	37	N/A	N/A	Normal	0	15.79	8.09	619.5	8.04	0.32	82.8
SBR1	25-Oct-02	12:05	Cloudy	Slight	25	N/A	N/A	Normal	0	17.16	9.10	574.5	7.86	0.30	95.5
CHC1	25-Oct-02	10:20	Cloudy	Slight	55	N/A	N/A	Normal	0	18.30	6.61	266.9	7.62	0.13	71.6
LR1	25-Oct-02	9:49	Cloudy	Mod	55	N/A	N/A	Normal	0	17.89	7.62	346.2	7.86	0.17	81.5
SC5	25-Oct-02	9:40	Cloudy	Mod	93	N/A	N/A	Normal	0	17.05	8.67	535.6	8.01	0.27	92.0
OC1	25-Oct-02	9:30	Cloudy	Mod	93	N/A	N/A	Normal	0	16.80	8.52	600.6	7.70	0.31	89.1
SC3	25-Oct-02	9:22	Cloudy	Mod	56	N/A	N/A	Normal	0	16.85	8.79	574.5	7.95	0.29	91.3
TRM1	25-Oct-02	9:12	Cloudy	Mod	57	N/A	N/A	Normal	0	15.83	7.03	382.0	7.26	0.19	71.5
SC1	25-Oct-02	9:10	Cloudy	Mod	41	N/A	N/A	Normal	0	15.51	9.13	594.9	7.86	0.31	92.5
HC1	25-Oct-02	8:30	Cloudy	Mod	93	N/A	N/A	Normal	0	17.32	8.57	581.4	7.92	0.30	90.7
HC2	25-Oct-02	8:20	Cloudy	Slight	27	N/A	N/A	High	0	17.60	8.57	570.0	7.97	0.29	91.2
SBR5	25-Oct-02	8:04	Cloudy	Slight	37	N/A	N/A	High	0	18.10	8.44	588.8	8.06	0.30	90.8
MBR1	25-Oct-02	7:45	Cloudy	Slight	56	N/A	N/A	High	0	18.29	7.97	508.7	8.05	0.26	86.0

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR3	26-Oct-02	14:08	Cloudy	Slight	101	N/A	N/A	N/A	N/A	15.93	9.79	586.9	8.20	0.30	101.0
SBR4	26-Oct-02	13:47	Cloudy	Calm	101	N/A	N/A	N/A	N/A	16.14	8.58	608.9	6.01	0.32	84.1
SBR2	26-Oct-02	13:22	Rain	Slight	96	N/A	N/A	N/A	N/A	15.44	9.55	626.4	8.10	0.32	94.7
SBR1	26-Oct-02	13:05	Cloudy	Mod	93	N/A	N/A	N/A	N/A	16.38	9.55	654.5	7.93	0.34	98.5
CHC1	26-Oct-02	11:36	Cloudy	Slight	101	N/A	N/A	N/A	N/A	16.77	7.51	317.6	7.74	0.02	77.1
LR1	26-Oct-02	11:08	Cloudy	Slight	62	N/A	N/A	N/A	N/A	16.54	8.26	360.8	7.91	0.18	85.0
SC5	26-Oct-02	10:57	Cloudy	Slight	93	N/A	N/A	N/A	N/A	15.63	8.99	550.0	8.00	0.28	90.9
OC1	26-Oct-02	10:45	Cloudy	Slight	93	N/A	N/A	N/A	N/A	16.07	8.49	610.3	7.73	0.31	87.3
TRM1	26-Oct-02	10:31	Cloudy	Mod	101	N/A	N/A	N/A	N/A	15.12	7.76	261.6	7.31	0.12	77.5
SC1	26-Oct-02	10:26	Cloudy	Mod	101	N/A	N/A	N/A	N/A	14.76	9.60	622.9	7.92	0.32	94.0
SC3	26-Oct-02	10:14	Cloudy	Slight	101	N/A	N/A	N/A	N/A	15.35	9.43	597.0	7.99	0.31	94.5
HC1	26-Oct-02	9:45	Cloudy	Slight	94	N/A	N/A	N/A	N/A	15.73	9.15	595.1	7.96	0.31	93.0
HC2	26-Oct-02	9:30	Cloudy	Calm	94	N/A	N/A	N/A	N/A	15.78	9.22	586.3	7.98	0.30	93.4
SBR5	26-Oct-02	9:11	Cloudy	Calm	101	N/A	N/A	N/A	N/A	16.18	9.11	598.7	8.09	0.30	93.3
MBR1	26-Oct-02	8:51	Cloudy	Calm	59	N/A	N/A	N/A	N/A	16.55	8.64	534.2	8.03	0.27	8.9
SBR3	27-Oct-02	11:33	Cloudy	Calm	40	N/A	N/A	High	0	17.18	8.69	590.3	8.16	0.30	91.9
SC1	27-Oct-02	8:40	Cloudy	Calm	32	N/A	N/A	High	N/A	16.80	8.73	622.6	7.95	0.32	91.8
SBR4	27-Oct-02	11:15	Cloudy	Calm	28	N/A	N/A	High	0	16.98	9.13	637.0	8.11	0.33	87.2
SBR2	27-Oct-02	10:55	Cloudy	Calm	93	0	N/A	High	0	17.03	9.20	681.0	8.06	0.35	96.1
SBR1	27-Oct-02	10:35	Rain	Calm	93	N/A	N/A	High	0	17.39	9.98	678.7	7.89	0.35	110.1
CHC1	27-Oct-02	9:45	Cloudy	Calm	28	N/A	N/A	Normal	0	17.36	4.49	331.4	7.88	0.16	46.2
LR1	27-Oct-02	9:15	Cloudy	Calm	62	N/A	N/A	High	0	16.33	7.64	458.5	7.97	0.23	77.8
SC5	27-Oct-02	9:05	Cloudy	Calm	93	N/A	N/A	High	0	16.60	7.55	563.4	8.01	0.29	81.4
OC1	27-Oct-02	8:55	Rain	Calm	93	N/A	N/A	High	50	17.83	8.11	595.7	7.78	0.30	86.1
TRM1	27-Oct-02	8:45	Rain	Slight	61	N/A	N/A	High	0	16.78	5.50	362.2	7.49	0.18	56.5
SC3	27-Oct-02	8:30	Cloudy	Calm	103	N/A	N/A	High	0	16.60	8.00	600.1	8.01	0.31	83.3
HC1	27-Oct-02	8:10	Cloudy	Calm	93	N/A	N/A	High	0	17.01	8.30	594.1	7.98	0.30	87.0
SC2	27-Oct-02	7:58	Rain	Calm	28	N/A	N/A	High	0	16.74	8.00	589.6	8.01	0.30	83.3
SBR5	27-Oct-02	7:40	Rain	Calm	28	N/A	N/A	High	0	16.57	7.51	595.0	8.11	0.30	81.7
MBR1	27-Oct-02	7:27	Rain	Calm	28	N/A	N/A	High	0	16.82	6.23	515.3	7.92	0.26	64.9
SBR3	28-Oct-02	14:25	Rain	Calm	40	N/A	N/A	Normal	0	18.63	9.05	586.1	8.15	0.30	98.7
SBR4	28-Oct-02	13:45	Cloudy	Slight	11	N/A	N/A	Normal	0	18.62	8.34	654.0	8.11	0.34	90.9
SBR2	28-Oct-02	12:37	Cloudy	Calm	93	N/A	N/A	Normal	0	18.84	8.52	681.3	8.12	0.35	93.3
SBR1	28-Oct-02	12:15	Cloudy	Slight	93	N/A	N/A	Normal	0	19.68	8.94	673.3	8.00	0.35	99.6
CHC1	28-Oct-02	10:30	Cloudy	Slight	27	N/A	N/A	Normal	0	17.98	6.28	440.3	7.77	0.22	67.4
LR1	28-Oct-02	10:00	Cloudy	Slight	55	N/A	N/A	Normal	0	16.91	8.90	630.0	8.01	0.32	93.8
SC5	28-Oct-02	9:30	Cloudy	Slight	93	N/A	N/A	Normal	0	17.75	7.78	575.8	8.00	0.29	83.1
OC1	28-Oct-02	9:20	Cloudy	Slight	93	N/A	N/A	Normal	30	18.76	8.37	609.3	7.79	0.31	91.5
TRM1	28-Oct-02	9:10	Cloudy	Slight	56	N/A	N/A	Normal	0	17.78	6.61	420.1	7.58	0.21	70.1
SC1	28-Oct-02	9:05	Cloudy	Mod	37	N/A	N/A	Normal	0	18.11	8.43	635.1	7.99	0.33	90.8
SC3	28-Oct-02	9:00	Cloudy	Slight	27	N/A	N/A	Normal	15	18.13	8.49	610.3	8.03	0.31	91.7
HC1	28-Oct-02	8:37	Cloudy	Slight	93	N/A	N/A	Normal	0	18.45	8.65	602.8	7.99	0.31	93.1
HC2	28-Oct-02	8:25	Cloudy	Slight	16	N/A	N/A	Normal	20	18.06	7.12	395.3	7.99	0.30	76.8
SBR5	28-Oct-02	8:05	Cloudy	Slight	11	N/A	N/A	Normal	0	17.67	7.75	618.3	8.10	0.32	82.9
MRB1	28-Oct-02	7:50	Cloudy	Slight	15	N/A	N/A	Normal	0	17.42	7.00	540.9	7.90	0.27	74.5

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR3	29-Oct-02	13:05	Clear	Calm	93	N/A	N/A	Normal	29	18.59	9.64	590.6	8.11	0.30	105.3
SBR4	29-Oct-02	12:49	Clear	Calm	93	N/A	N/A	Normal	18	18.98	8.11	666.3	8.05	0.34	87.9
SBR1	29-Oct-02	12:06	PT/Cloudy	Mod	93	N/A	N/A	Normal	38	18.92	10.81	687.3	7.94	0.35	117.3
SBR2	29-Oct-02	12:17	Clear	Calm	93	N/A	N/A	Normal	18	19.21	10.40	702.3	8.13	0.36	96.5
SC5	29-Oct-02	11:00	Cloudy	Mod	93	N/A	N/A	Normal	5	17.13	8.77	590.9	7.96	0.30	86.6
CHC1	29-Oct-02	10:25	Cloudy	Mod	3	N/A	N/A	Normal	0	17.03	6.70	371.2	7.61	0.18	R
LR1	29-Oct-02	9:52	Cloudy	Mod	56	N/A	N/A	Normal	5	16.87	8.44	523.1	7.38	0.27	87.9
OC1	29-Oct-02	9:31	Cloudy	Slight	93	N/A	N/A	Normal	96	17.31	9.32	614.6	7.75	0.31	91.9
SC1	29-Oct-02	9:16	Cloudy	Mod	43	N/A	N/A	Normal	29	16.62	9.13	648.4	7.94	0.33	95.3
TRM1	29-Oct-02	9:21	Cloudy	Mod	56	N/A	N/A	Normal	13	16.58	8.46	434.3	7.99	0.22	87.8
SC3	29-Oct-02	9:06	Cloudy	Slight	43	N/A	N/A	Normal	19	16.85	8.54	576.4	7.97	0.29	88.5
HC1	29-Oct-02	8:44	PT/Cloudy	Slight	56	N/A	N/A	Normal	2	17.66	9.68	615.1	7.93	0.32	94.5
HC2	29-Oct-02	8:33	PT/Cloudy	Slight	55	N/A	N/A	Normal	2	17.60	7.99	606.4	7.31	0.31	85.2
SBR5	29-Oct-02	8:19	PT/Cloudy	Slight	28	N/A	N/A	Normal	3	17.84	7.73	622.0	8.04	0.32	82.2
MBR1	29-Oct-02	8:05	Cloudy	Calm	26	N/A	N/A	Normal	5	17.66	6.21	567.6	7.97	0.29	68.1
SBR3	30-Oct-02	13:11	Cloudy	Slight	40	N/A	N/A	N/A	N/A	18.22	9.97	589.4	8.12	0.30	106.9
SBR4	30-Oct-02	12:55	Cloudy	Calm	93	N/A	N/A	N/A	N/A	18.21	8.46	651.5	8.10	0.33	91.8
SBR2	30-Oct-02	12:32	Cloudy	Slight	93	N/A	N/A	N/A	N/A	18.13	10.92	658.6	8.11	0.34	113.8
SBR1	30-Oct-02	12:17	Cloudy	Mod	93	N/A	N/A	N/A	N/A	18.78	10.41	676.9	7.92	0.35	120.9
CHC1	30-Oct-02	10:09	Clear	Slight	101	N/A	N/A	N/A	N/A	17.87	3.92	388.7	7.68	0.19	32.2
LR1	30-Oct-02	9:39	Clear	Calm	101	N/A	N/A	N/A	N/A	16.65	8.61	520.9	7.90	0.26	88.8
SC5	30-Oct-02	9:29	Clear	Calm	93	N/A	N/A	N/A	N/A	16.12	8.42	559.4	7.92	0.29	85.8
OC1	30-Oct-02	9:19	Clear	Slight	93	N/A	N/A	N/A	N/A	16.71	5.09	619.3	7.66	0.32	47.9
TRM1	30-Oct-02	9:10	Clear	Mod	94	N/A	N/A	N/A	N/A	17.35	7.87	467.7	8.26	0.24	81.6
SC1	30-Oct-02	9:05	Clear	Slight	94	N/A	N/A	N/A	N/A	16.64	9.64	644.8	7.96	0.33	98.7
SC3	30-Oct-02	8:54	Clear	Slight	94	N/A	N/A	N/A	N/A	16.55	9.11	591.4	7.99	0.30	92.9
HC1	30-Oct-02	8:28	Clear	Slight	93	N/A	N/A	N/A	N/A	17.33	8.93	609.0	7.91	0.31	92.8
HC2	30-Oct-02	8:16	Clear	Slight	30	N/A	N/A	N/A	N/A	16.92	7.95	604.0	7.98	0.31	82.3
SBR5	30-Oct-02	8:03	Clear	Calm	28	N/A	N/A	N/A	N/A	16.74	8.26	624.5	8.06	0.32	86.0
MBR1	30-Oct-02	7:49	Clear	Calm	28	N/A	N/A	N/A	N/A	16.60	6.98	824.7	7.74	0.43	72.4
SBR4	02-Nov-02	14:03	Rain	Slight	N/A	N/A	N/A	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR2	02-Nov-02	13:30	Rain	Slight	N/A	N/A	N/A	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR1	02-Nov-02	13:07	Rain	Mod	N/A	N/A	N/A	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHC1	02-Nov-02	11:05	Cloudy	Slight	55	N/A	N/A	Normal	0	18.76	7.35	243.0	7.53	0.15	80.3
LR1	02-Nov-02	9:53	Rain	Slight	55	N/A	N/A	Normal	0	18.49	7.65	317.0	7.86	0.20	82.4
SC5	02-Nov-02	9:45	Rain	Slight	55	N/A	N/A	Normal	0	19.35	8.14	492.0	8.10	0.32	89.4
OC1	02-Nov-02	9:35	Rain	Slight	N/A	N/A	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	02-Nov-02	9:25	Rain	Slight	N/A	N/A	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	02-Nov-02	9:20	Rain	Slight	N/A	N/A	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	02-Nov-02	9:05	Rain	Mod	37	N/A	N/A	High	0	19.69	8.09	567.0	8.04	0.36	89.3
HC1	02-Nov-02	8:38	Rain	Slight	N/A	N/A	N/A	High	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC2	02-Nov-02	8:23	Rain	Slight	40	N/A	N/A	High	0	19.59	8.07	569.0	8.09	0.36	89.4
SBR5	02-Nov-02	8:05	Rain	Slight	58	N/A	N/A	High	0	19.52	8.40	549.0	8.18	0.35	92.5
MBR1	02-Nov-02	7:50	Rain	Slight	N/A	N/A	N/A	High	0	N/A	N/A	N/A	N/A	N/A	N/A
SBR3	07-Nov-02	15:37	Clear	Slight	93	N/A	N/A	Normal	0	15.57	10.59	550.3	8.14	0.28	106.7

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR4	07-Nov-02	15:16	Clear	Slight	38	N/A	N/A	Normal	0	14.68	10.61	596.9	8.10	0.31	105.1
SBR2	07-Nov-02	14:40	Clear	Slight	93	N/A	N/A	Normal	0	16.11	12.01	621.5	8.18	0.32	122.8
SBR1	07-Nov-02	14:21	Clear	Slight	93	N/A	N/A	Normal	0	16.96	10.97	627.1	7.95	0.32	114.0
CHC1	07-Nov-02	12:44	Clear	Slight	38	N/A	N/A	Normal	0	14.59	9.77	403.7	8.15	0.20	96.8
LR1	07-Nov-02	12:00	Clear	Slight	56	N/A	N/A	High	0	12.55	9.91	453.2	7.99	0.23	94.0
SC5	07-Nov-02	11:42	Clear	Slight	93	N/A	N/A	Normal	0	12.99	9.97	526.3	7.94	0.27	95.2
OC1	07-Nov-02	11:19	Clear	Slight	93	N/A	N/A	Normal	0	14.47	9.55	373.1	7.80	0.18	94.4
TRM1	07-Nov-02	10:58	Clear	Mod	38	N/A	N/A	Normal	0	16.12	10.10	541.0	7.96	0.28	103.2
SC1	07-Nov-02	10:45	Clear	Slight	27	N/A	N/A	Normal	0	14.58	10.80	593.8	8.01	0.30	106.9
SC3	07-Nov-02	10:28	Clear	Slight	93	N/A	N/A	Normal	0	13.02	10.35	570.8	8.00	0.29	98.9
HC1	07-Nov-02	N/A	Clear	Slight	93	N/A	N/A	Normal	0	13.85	10.20	569.6	7.99	0.29	99.3
HC2	07-Nov-02	9:19	Clear	Slight	93	N/A	N/A	Normal	0	13.35	9.44	320.7	7.96	0.16	90.8
SBR5	07-Nov-02	9:04	Clear	Slight	16	N/A	N/A	Normal	0	12.62	9.66	563.1	8.12	0.29	91.5
MBR1	07-Nov-02	8:46	Clear	Slight	16	N/A	N/A	Normal	0	12.97	8.96	500.2	8.07	0.25	85.5
SBR3	14-Nov-02	14:00	Clear	Strong	93	N/A	N/A	Normal	0	16.71	10.32	537.5	8.06	0.27	108.2
SBR4	14-Nov-02	13:47	Clear	Strong	38	N/A	N/A	Normal	0	15.92	10.32	610.0	8.05	0.31	106.3
SBR2	14-Nov-02	13:10	Clear	Strong	93	N/A	N/A	Normal	0	15.88	12.65	642.6	8.17	0.33	130.1
SBR1	14-Nov-02	12:55	Clear	Strong	93	N/A	N/A	Normal	30	16.63	10.11	655.3	7.94	0.34	105.5
CHC1	14-Nov-02	11:20	Clear	Slight	37	N/A	N/A	Normal	0	15.87	13.76	383.8	8.43	0.19	141.6
LR1	14-Nov-02	10:20	Clear	Slight	37	N/A	N/A	Normal	0	13.58	8.94	488.7	7.90	0.25	87.5
SC5	14-Nov-02	10:00	Clear	Slight	93	N/A	N/A	Normal	0	14.11	9.15	510.0	7.88	0.26	90.5
OC1	14-Nov-02	9:47	Clear	Slight	93	N/A	N/A	Normal	0	14.14	9.65	551.1	7.83	0.28	96.3
TRM1	14-Nov-02	9:35	Clear	Mod	37	N/A	N/A	Normal	0	12.88	10.58	592.3	8.04	0.30	102.0
SC1	14-Nov-02	9:30	Clear	Mod	27	N/A	N/A	Normal	0	13.23	10.27	607.5	7.95	0.31	99.8
HC1	14-Nov-02	8:40	Clear	Slight	93	N/A	N/A	Normal	0	13.46	9.39	579.5	7.90	0.30	91.8
SC3	14-Nov-02	9:16	Clear	Slight	27	N/A	N/A	Normal	0	13.86	8.57	577.4	7.91	0.29	89.4
HC2	14-Nov-02	8:30	Clear	Slight	93	N/A	N/A	Normal	0	13.37	9.25	573.5	7.81	0.29	90.0
SBR5	14-Nov-02	8:10	Clear	Slight	16	N/A	N/A	Normal	0	13.39	9.29	573.9	7.97	0.29	90.7
MBR1	14-Nov-02	7:55	Clear	Slight	16	N/A	N/A	Normal	0	14.13	8.83	515.2	7.92	0.26	87.1
SBR3	21-Nov-02	14:06	Clear	Slight	93	N/A	N/A	Normal	0	14.80	10.91	510.4	8.07	0.26	108.7
SBR4	21-Nov-02	13:40	Clear	Slight	15	N/A	N/A	Normal	0	13.98	10.95	579.7	8.02	0.30	106.8
SBR2	21-Nov-02	13:10	Clear	Slight	93	N/A	N/A	Normal	0	14.32	12.07	619.8	8.15	0.32	119.1
SBR1	21-Nov-02	12:52	Clear	Slight	93	N/A	N/A	Normal	35	15.63	10.46	628.5	7.97	0.32	106.1
CHC1	21-Nov-02	11:15	Clear	Slight	37	N/A	N/A	Normal	0	14.48	10.81	410.2	8.26	0.20	107.1
LR1	21-Nov-02	10:40	Clear	Slight	27	N/A	N/A	Normal	0	11.66	8.55	508.1	7.81	0.26	79.3
SC5	21-Nov-02	10:30	Clear	Slight	93	N/A	N/A	Normal	0	12.47	9.35	476.7	7.81	0.24	88.6
OC1	21-Nov-02	10:14	Clear	Slight	93	N/A	N/A	Low	0	13.00	10.06	521.7	7.84	0.26	95.7
TRM1	21-Nov-02	10:02	Clear	Slight	37	N/A	N/A	Normal	0	10.82	10.49	527.1	7.59	0.27	95.4
SC1	21-Nov-02	9:55	Clear	Slight	37	N/A	N/A	Normal	0	12.47	10.33	578.4	7.92	0.30	97.7
SC3	21-Nov-02	9:40	Clear	Slight	37	N/A	N/A	Normal	0	12.36	9.48	541.5	7.93	0.28	89.3
HC1	21-Nov-02	9:12	Clear	Slight	93	N/A	N/A	Normal	20	12.84	9.28	554.5	7.85	0.28	88.5
HC2	21-Nov-02	8:57	Clear	Slight	93	N/A	N/A	Normal	0	12.43	8.84	541.7	7.75	0.28	83.6
SBR5	21-Nov-02	8:35	Clear	Slight	16	N/A	N/A	Normal	0	11.29	8.94	555.0	7.91	0.28	82.9
MBR1	21-Nov-02	8:15	Clear	Calm	16	N/A	N/A	Normal	0	13.02	7.40	496.1	7.87	0.25	73.9
SBR5	05-Dec-02	14:45	Clear	Slight	37	N/A	N/A	Normal	0	9.98	11.19	481.0	8.12	0.24	99.2

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
MBR1	05-Dec-02	14:30	Clear	Slight	37	N/A	N/A	Normal	0	9.19	10.76	431.7	8.08	0.22	93.7
SBR3	05-Dec-02	14:05	Clear	Slight	93	N/A	N/A	Normal	0	10.61	12.30	476.1	8.29	0.24	110.9
SBR4	05-Dec-02	13:55	Clear	Slight	38	N/A	N/A	Normal	0	9.60	11.11	489.1	8.08	0.25	97.8
SBR2	05-Dec-02	13:20	Clear	Mod	93	N/A	N/A	Normal	0	9.50	12.27	518.7	8.14	0.26	107.8
SBR1	05-Dec-02	12:50	Clear	Mod	93	N/A	N/A	Normal	0	10.12	11.84	505.1	7.95	0.25	105.4
CHC1	05-Dec-02	11:07	PT/Cloudy	Mod	37	N/A	N/A	Normal	0	9.94	9.78	383.4	7.99	0.19	86.8
LR1	05-Dec-02	10:25	PT/Cloudy	Mod	37	N/A	N/A	Normal	0	9.00	10.30	517.4	8.01	0.26	89.3
SC5	05-Dec-02	10:15	PT/Cloudy	Mod	93	N/A	N/A	Normal	0	9.22	10.85	480.6	7.83	0.24	94.5
OC1	05-Dec-02	9:59	PT/Cloudy	Mod	93	N/A	N/A	Normal	0	10.08	10.97	537.5	7.83	0.27	97.6
TRM1	05-Dec-02	9:45	Cloudy	Mod	25	N/A	N/A	Normal	0	6.56	11.36	482.5	7.64	0.24	92.9
SC1	05-Dec-02	9:37	Cloudy	Mod	37	N/A	N/A	Normal	0	7.44	11.01	555.7	7.91	0.28	92.0
SC3	05-Dec-02	9:22	Cloudy	Mod	37	N/A	N/A	Normal	0	7.61	10.57	525.2	7.87	0.27	88.7
HC1	05-Dec-02	8:50	Cloudy	Mod	93	N/A	N/A	Normal	20	8.69	10.75	534.6	7.88	0.27	92.6
HC2	05-Dec-02	8:32	Cloudy	Mod	93	N/A	N/A	Normal	0	9.10	10.07	494.5	7.80	0.25	87.6
SBR3	19-Dec-02	13:30	Clear	Strong	93	10	0.6	High	2	15.85	10.98	507.8	8.21	0.26	113.4
SBR4	19-Dec-02	13:10	Clear	Strong	93	8	0.5	High	0	16.19	9.94	573.9	8.15	0.29	101.7
SBR2	19-Dec-02	12:45	Clear	Strong	93	2	0.3	High	0	15.36	11.67	617.4	8.13	0.32	117.3
SBR1	19-Dec-02	12:20	Clear	Mod	93	10	0	High	10	15.37	10.74	602.2	8.06	0.31	109.0
CHC1	19-Dec-02	10:45	Clear	Strong	28	70	N/A	Normal	0	14.34	8.79	464.4	8.11	0.23	86.5
LR1	19-Dec-02	10:10	Clear	Strong	28	40	2	High	0	13.37	9.35	532.5	8.08	0.27	92.3
SC5	19-Dec-02	10:00	Clear	Strong	93	4	0.3	Normal	0	13.94	10.02	486.0	7.94	0.24	101.7
OC1	19-Dec-02	9:45	Clear	Strong	93	4	0.3	High	0	12.51	10.25	500.6	7.91	0.25	96.2
SC1	19-Dec-02	9:30	Clear	Strong	29	3	0.3	Normal	0	11.93	10.08	548.2	7.91	0.28	94.4
TRM1	19-Dec-02	9:25	Clear	Strong	32	2	0.3	Normal	0	12.65	11.06	520.1	8.11	0.26	105.9
SC3	19-Dec-02	9:15	Clear	Mod	33	8	0.3	High	0	13.70	9.57	520.2	7.98	0.26	92.9
HC1	19-Dec-02	8:45	Clear	Slight	93	5	0.3	High	0	14.47	9.15	527.0	7.94	0.27	90.8
HC2	19-Dec-02	8:30	Clear	Mod	93	15	0.5	High	0	15.22	8.69	520.4	7.89	0.26	87.4
SBR5	19-Dec-02	8:15	Clear	Calm	30	25	N/A	High	0	15.73	9.01	348.2	8.06	0.28	91.4
MBR1	19-Dec-02	7:50	Clear	Calm	14	50	N/A	High	0	16.05	8.24	462.0	8.00	0.23	85.6
MBR1	02-Jan-03	8:02	Clear	Calm	28	N/A	N/A	Normal	0	10.10	8.08	459.7	7.97	0.23	72.3
SBR5	02-Jan-03	8:27	Clear	Calm	29	N/A	N/A	Normal	0	9.82	9.77	549.9	7.99	0.28	87.7
HC2	02-Jan-03	8:50	Clear	Slight	55	N/A	3	N/A	0	9.94	10.16	526.1	7.82	0.27	90.4
HC1	02-Jan-03	9:05	Clear	Slight	93	N/A	N/A	Normal	0	8.87	10.98	544.1	7.82	0.28	93.7
SC3	02-Jan-03	9:40	Clear	Mod	56	N/A	N/A	Normal	0	8.04	10.76	526.3	7.93	0.27	90.3
SC1	02-Jan-03	9:50	Clear	Mod	25	N/A	N/A	Normal	N/A	7.02	11.15	552.6	7.60	0.28	92.2
TRM1	02-Jan-03	9:55	Clear	Mod	25	N/A	N/A	Normal	0	8.42	12.09	550.1	8.27	0.28	104.4
OC1	02-Jan-03	10:10	Clear	Mod	93	N/A	N/A	Normal	0	7.79	11.40	502.5	7.84	0.25	95.9
SC5	02-Jan-03	10:25	Clear	Mod	93	N/A	N/A	Normal	0	9.50	11.17	493.9	7.89	0.25	96.5
LR1	02-Jan-03	10:35	Clear	Mod	96	N/A	N/A	Normal	0	9.44	9.84	365.9	7.88	0.18	87.1
CHC1	02-Jan-03	11:05	Clear	Mod	97	N/A	N/A	Normal	0	10.13	9.76	455.9	7.84	0.23	84.4
SBR2	02-Jan-03	13:11	Clear	Slight	92	N/A	N/A	Normal	0	12.03	9.34	602.4	8.08	0.31	86.8
SBR4	02-Jan-03	13:50	Clear	Slight	96	N/A	N/A	Normal	0	10.44	10.83	570.3	8.08	0.26	95.1
SBR3	02-Jan-03	14:40	Clear	Slight	96	N/A	N/A	Normal	0	11.43	11.48	536.2	8.10	0.27	105.0
SBR5	16-Jan-03	8:21	Clear	Mod	26	N/A	N/A	Normal	0	9.15	10.69	612.4	7.81	0.31	93.0
MBR1	16-Jan-03	8:07	Clear	Mod	27	N/A	N/A	Normal	0	9.04	10.60	509.8	7.82	0.26	92.2

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR3	16-Jan-03	13:30	Clear	Strong	93	N/A	N/A	Normal	0	10.67	12.74	548.5	8.09	0.28	115.1
SBR4	16-Jan-03	13:20	Clear	Mod	93	N/A	N/A	Normal	0	9.86	12.12	639.7	8.06	0.33	107.5
SBR2	16-Jan-03	13:00	Clear	Strong	93	N/A	N/A	Normal	0	9.84	13.15	674.4	8.01	0.35	116.6
SBR1	16-Jan-03	12:45	Clear	Strong	93	N/A	N/A	Normal	25	10.42	10.43	641.6	8.08	0.33	115.0
CHC1	16-Jan-03	11:00	Clear	Mod	27	N/A	N/A	Normal	0	8.17	11.21	482.2	7.97	0.24	95.1
LR1	16-Jan-03	10:10	Clear	Strong	37	N/A	N/A	Normal	0	7.99	10.97	560.8	7.89	0.29	93.4
SC5	16-Jan-03	9:59	Clear	Strong	93	N/A	N/A	Normal	15	7.30	11.92	514.6	7.83	0.26	104.5
OC1	16-Jan-03	9:48	Clear	Strong	93	N/A	N/A	Normal	0	8.52	11.31	542.0	7.78	0.28	97.1
TRM1	16-Jan-03	9:30	Clear	Strong	27	N/A	N/A	Normal	0	6.32	12.21	618.8	8.17	0.32	99.5
SC1	16-Jan-03	9:25	Clear	Strong	26	N/A	N/A	Normal	0	6.92	12.03	579.6	7.85	0.30	99.5
SC3	16-Jan-03	9:15	Clear	Mod	27	N/A	N/A	Normal	0	8.12	11.00	567.8	7.85	0.29	93.6
HC1	16-Jan-03	8:55	Clear	Mod	93	N/A	N/A	Normal	0	9.00	10.62	575.3	7.75	0.29	91.8
HC2	16-Jan-03	8:40	Clear	Mod	93	N/A	N/A	Normal	10	9.21	10.56	563.3	7.72	0.29	92.8
SBR3	30-Jan-03	14:33	Cloudy	Calm	93	7	0.8	Normal	0	12.13	12.47	480.8	8.00	0.24	115.4
SBR4	30-Jan-03	14:16	Cloudy	Calm	93	4	0.7	Normal	0	11.64	12.48	603.4	7.99	0.31	114.7
SBR2	30-Jan-03	13:05	Cloudy	Calm	93	5	0.4	Normal	0	11.41	13.44	644.0	8.06	0.32	123.4
SBR1	30-Jan-03	12:48	Cloudy	Slight	93	N/A	12	Normal	10	11.89	12.65	627.0	8.04	0.32	117.2
CHC1	30-Jan-03	11:03	Cloudy	Slight	25	50	0.5	Normal	0	10.98	8.01	488.4	8.05	0.25	76.7
LR1	30-Jan-03	10:36	Cloudy	Slight	97	20	1.4	Normal	0	10.22	10.53	547.1	7.99	0.28	93.4
SC5	30-Jan-03	10:08	Cloudy	Calm	93	3.5	0.5	Normal	1	11.04	10.70	456.8	7.75	0.23	97.5
OC1	30-Jan-03	9:52	Cloudy	Slight	92	3	0.4	Normal	2	11.02	10.68	315.7	7.77	0.26	97.2
TRM1	30-Jan-03	9:36	Cloudy	Slight	92	2	0.5	Normal	0	9.39	11.32	591.5	8.37	0.30	98.5
SC1	30-Jan-03	9:30	Cloudy	Slight	93	2	0.4	Normal	0	9.50	10.89	547.1	7.78	0.28	94.5
SC3	30-Jan-03	9:28	Cloudy	Calm	92	4	N/A	Normal	10	9.98	10.35	529.7	7.83	0.27	92.0
HC1	30-Jan-03	8:53	Cloudy	Slight	93	4	N/A	Normal	0	10.73	10.04	536.5	7.69	0.27	90.3
HC2	30-Jan-03	8:50	Cloudy	Calm	93	7.5	N/A	Normal	0	11.11	9.13	513.7	7.44	0.26	83.2
SBR5	30-Jan-03	8:30	Cloudy	Slight	92	8	N/A	Normal	0	10.86	10.30	569.9	7.80	0.29	93.4
MBR1	30-Jan-03	8:12	Cloudy	Calm	4	20	N/A	Normal	0	11.01	9.91	19.6	7.72	0.27	90.1
MBR1	13-Feb-03	14:20	Cloudy	Slight	5	40	1.1	Normal	0	14.92	8.18	442.8	7.73	0.22	80.3
SBR3	13-Feb-03	14:00	Rain	Mod	93	8	N/A	Normal	1	15.71	9.23	461.0	7.83	0.23	87.9
SBR4	13-Feb-03	13:50	Rain	Mod	93	7	0.9	Normal	0	15.36	13.72	597.8	7.79	0.31	105.4
SBR2	13-Feb-03	13:26	Rain	Mod	92	4	0.5	Normal	0	16.01	9.91	635.4	7.93	0.33	99.8
SBR1	13-Feb-03	13:05	Rain	Mod	93	7	0.4	Normal	0	16.34	9.55	632.0	7.85	0.32	97.9
CHC1	13-Feb-03	12:15	Rain	Slight	92	70	0.2	Normal	0	13.61	13.14	450.6	8.20	0.26	127.3
LR1	13-Feb-03	11:45	Cloudy	Slight	25	30	1.6	Normal	0	13.75	9.68	572.7	7.95	0.29	94.3
SC5	13-Feb-03	11:19	Cloudy	Slight	93	5	0.2	Normal	0	15.89	9.41	436.6	7.64	0.22	94.0
OC1	13-Feb-03	10:33	Cloudy	Slight	93	6	0.2	Normal	25	16.15	8.93	495.5	7.67	0.25	91.4
TRM1	13-Feb-03	10:17	Rain	Mod	25	2	0.4	Normal	2	15.70	10.01	554.9	8.58	0.28	99.0
SC1	13-Feb-03	10:10	Rain	Slight	25	2	0.5	Normal	2	16.07	8.61	514.3	7.69	0.26	88.0
SC3	13-Feb-03	10:00	Rain	Slight	92	7	0.6	Normal	5	16.11	8.27	515.0	7.73	0.26	84.7
HC1	13-Feb-03	9:24	Rain	Slight	93	4	0.6	Normal	0	15.79	7.79	908.3	7.56	0.26	79.1
HC2	13-Feb-03	9:08	Cloudy	Calm	93	12	0.5	Normal	5	15.08	8.36	473.2	7.56	0.24	82.7
SBR5	13-Feb-03	8:08	Cloudy	Slight	11	20	0.8	Normal	0	14.54	8.88	558.6	7.69	0.28	87.8
SBR2	27-Feb-03	13:40	PT/Cloudy	Calm	93	4	0.3	Normal	0	8.29	19.21	663.5	8.04	0.34	105.2
SBR1	27-Feb-03	13:14	PT/Cloudy	Calm	93	7	0.4	Normal	0	9.40	20.00	503.7	8.06	0.31	122.6

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
CHC1	27-Feb-03	12:08	PT/Cloudy	Calm	96	50	1.2	Normal	0	6.83	9.31	483.2	7.59	0.24	85.0
LR1	27-Feb-03	11:30	Cloudy	Slight	97	13	0.9	Normal	0	6.71	9.19	735.6	8.00	0.38	71.0
SC5	27-Feb-03	11:10	Cloudy	Slight	92	4	0.5	Normal	0	8.52	15.41	484.4	7.87	0.24	109.4
OC1	27-Feb-03	10:50	Cloudy	Slight	93	4	0.3	Normal	25	7.37	12.11	471.2	7.91	0.24	100.2
TRM1	27-Feb-03	10:26	Cloudy	Slight	91	1.5	0.3	Normal	0	4.73	9.67	531.4	8.01	0.27	75.7
SC1	27-Feb-03	10:12	Cloudy	Slight	91	2	0.3	Normal	1	6.64	12.35	555.4	7.94	0.28	100.3
SC3	27-Feb-03	9:50	Cloudy	Slight	92	5	0.4	Normal	0	6.26	12.15	535.3	7.90	0.27	99.1
HC1	27-Feb-03	9:20	Cloudy	Slight	93	4	0.3	Normal	0	7.07	11.82	543.0	7.84	0.27	97.7
HC2	27-Feb-03	8:10	Cloudy	Slight	93	8	0.6	Normal	0	7.22	11.92	539.8	7.89	0.28	99.0
SBR5	27-Feb-03	8:40	Cloudy	Calm	5	10	0.8	Normal	0	6.40	11.64	599.6	7.94	0.31	95.4
MBR1	27-Feb-03	7:40	Cloudy	Calm	5	40	0.9	Normal	0	6.08	9.41	613.4	7.89	0.31	77.6
SBR4	27-Feb-03	14:00	PT/Cloudy	Calm	93	7	1	Normal	0	7.93	19.37	631.8	8.07	0.37	111.0
SBR3	27-Feb-03	14:30	PT/Cloudy	Calm	93	7	0.5	Normal	0	9.49	15.59	546.9	8.22	0.28	114.6
SBR5	13-Mar-03	9:20	Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC5	13-Mar-03	11:18	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR3	13-Mar-03	14:30	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR2	13-Mar-03	13:45	PT/Cloudy	Slight	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR1	13-Mar-03	13:30	PT/Cloudy	Slight	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHC1	13-Mar-03	11:56	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LR1	13-Mar-03	11:30	Clear	Slight	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OC1	13-Mar-03	11:02	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	13-Mar-03	10:40	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	13-Mar-03	10:33	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	13-Mar-03	10:15	PT/Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC1	13-Mar-03	9:50	Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC2	13-Mar-03	9:38	Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MBR1	13-Mar-03	8:10	Cloudy	Calm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR5	27-Mar-03	14:44	Clear	Strong	12	8	0.6	Normal	0	19.95	9.74	593.5	8.09	0.30	108.8
MBR1	27-Mar-03	14:25	Clear	Strong	27	25	0.6	Normal	0	20.81	8.13	498.2	7.79	0.25	98.6
SBR3	27-Mar-03	14:15	Clear	Strong	93	8	0.5	Normal	0	21.04	12.52	465.4	8.13	0.23	140.1
SBR4	27-Mar-03	13:59	Clear	Strong	91	5	0.3	Normal	0	20.38	9.54	621.3	7.50	0.32	106.5
SBR2	27-Mar-03	13:15	Clear	Strong	91	4.5	0.2	Normal	0	20.40	12.77	637.3	8.18	0.33	122.6
SBR1	27-Mar-03	12:57	Clear	Strong	93	15	0.7	Normal	10	19.93	12.60	595.7	8.21	0.31	136.6
HC2	27-Mar-03	12:14	Clear	Strong	93	7	0.2	Normal	35	17.78	9.10	501.5	7.66	0.25	97.4
HC1	27-Mar-03	11:55	Clear	Strong	93	4	0.2	Normal	15	17.25	12.47	530.3	8.24	0.26	132.0
SC3	27-Mar-03	10:50	Clear	Strong	25	6	0.3	Normal	20	16.72	10.32	510.1	8.11	0.26	108.1
TRM1	27-Mar-03	10:30	Clear	Strong	92	2	0.4	Normal	0	18.67	9.96	496.6	8.74	0.25	107.5
SC1	27-Mar-03	10:20	Clear	Strong	91	2	0.2	Normal	0	16.18	10.87	541.1	7.27	0.27	113.7
OCI-SW	27-Mar-03	9:57	Clear	Mod	91	5	N/A	Normal	0	15.03	10.18	525.4	8.01	0.27	103.6
LR1	27-Mar-03	9:00	Clear	Mod	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC5	27-Mar-03	9:35	Clear	Mod	93	4	N/A	Normal	15	15.79	10.88	454.0	7.93	0.23	111.6
CHC1	27-Mar-03	8:30	Clear	Slight	26	45	0.7	Normal	0	19.41	10.02	498.9	7.95	0.25	107.0
SBR3	10-Apr-03	14:43	PT/Cloudy	Slight	93	8	N/A	Normal	10	17.75	12.73	476.3	8.06	0.24	132.0
SBR4	10-Apr-03	14:34	PT/Cloudy	Calm	93	4	N/A	Normal	5	19.44	10.20	571.7	8.03	0.29	110.9
SBR2	10-Apr-03	14:10	PT/Cloudy	Calm	93	4	N/A	Normal	10	19.08	12.55	553.1	8.13	0.27	139.4

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR1	10-Apr-03	13:45	PT/Cloudy	Slight	93	20	N/A	Normal	65	17.79	13.16	629.5	8.28	0.32	138.2
CHC1	10-Apr-03	11:30	Clear	Slight	120	50	N/A	Normal	0	17.96	8.84	460.5	8.01	0.24	93.5
LR1	10-Apr-03	10:46	Clear	Slight	104	20	N/A	Normal	0	15.62	8.32	622.8	7.09	0.32	82.6
SC5	10-Apr-03	10:36	Clear	Calm	93	6	N/A	Normal	25	13.05	9.96	477.5	7.72	0.24	95.3
OC1	10-Apr-03	10:17	Clear	Calm	93	3	N/A	low	50	11.86	10.62	523.0	7.87	0.27	98.9
TRM1	10-Apr-03	10:06	Clear	Calm	28	2	N/A	Normal	5	16.18	10.05	501.4	9.09	0.25	103.6
SC1	10-Apr-03	9:50	Clear	Calm	120	4	N/A	Normal	5	11.57	10.01	537.2	7.82	0.27	92.2
SC3	10-Apr-03	9:37	Clear	Calm	93	7	N/A	Normal	2.5	12.22	8.81	489.5	7.88	0.25	82.2
HC1	10-Apr-03	9:07	Clear	Calm	93	5	N/A	Normal	3	13.10	7.66	522.4	7.80	0.26	72.7
HC2	10-Apr-03	8:49	Clear	Calm	93	8	N/A	Normal	5	12.41	6.44	494.4	7.79	0.25	58.8
SBR5	10-Apr-03	8:12	Clear	Calm	26	11	N/A	Normal	0	13.91	7.54	584.6	7.94	0.30	70.1
MBR1	10-Apr-03	7:50	Clear	Calm	26	30	N/A	Normal	0	16.29	6.64	453.2	7.89	0.23	66.7
MBR1	24-Apr-03	7:15	PT/Cloudy	Calm	28	25	N/A	Normal	0	19.98	7.67	435.0	7.87	0.22	86.5
SBR5	24-Apr-03	7:25	PT/Cloudy	Calm	28	10	N/A	Normal	2	19.66	7.23	606.9	7.81	0.31	80.0
HC2	24-Apr-03	7:50	PT/Cloudy	Calm	93	5	N/A	Normal	0	19.46	5.12	535.1	7.70	0.27	55.8
HC1	24-Apr-03	8:10	PT/Cloudy	Calm	93	2	0.3	Normal	2	18.91	6.85	564.4	7.77	0.29	75.6
SC3	24-Apr-03	8:35	PT/Cloudy	Calm	101	7	N/A	Normal	90	19.57	6.60	576.0	7.82	0.29	69.8
SC1	24-Apr-03	8:50	PT/Cloudy	Slight	104	1.5	N/A	Normal	10	19.76	5.09	546.5	7.75	0.28	55.9
TRM1	24-Apr-03	9:00	PT/Cloudy	Calm	93	1	0.3	Normal	2	20.26	8.97	624.4	8.38	0.32	100.4
OC1	24-Apr-03	9:12	Clear	Calm	93	1	0.3	Normal	85	18.51	8.22	574.5	7.82	0.29	88.4
SC5	24-Apr-03	9:37	Clear	Calm	93	8	0.3	Normal	90	19.25	6.44	501.1	7.66	0.25	71.3
LR1	24-Apr-03	9:55	Clear	Calm	104	20	N/A	Normal	0	20.06	7.26	652.5	7.90	0.34	82.3
CHC1	24-Apr-03	10:25	Clear	Calm	28	40	N/A	Normal	2	23.04	7.81	522.1	8.09	0.26	88.9
SBR1	24-Apr-03	11:55	Clear	Slight	93	7	0.5	Normal	98	21.96	12.13	656.8	8.25	0.33	130.5
SBR2	24-Apr-03	12:20	Clear	Calm	93	1	0.3	Normal	3	22.77	12.26	571.2	8.13	0.29	144.2
SBR4	24-Apr-03	12:55	Clear	Calm	26	1.5	N/A	Normal	10	23.34	9.61	582.9	8.08	0.30	114.9
SBR3	24-Apr-03	13:05	Clear	Calm	93	8	N/A	Normal	60	22.46	10.24	520.6	8.02	0.26	119.3
MBR1	05-Jun-03	7:50	Rain	Calm	6	30	0.5	Normal	N/A	27.60	7.22	445.8	7.86	0.22	92.6
SBR5	05-Jun-03	8:10	Rain	Slight	6	20	N/A	Normal	N/A	27.58	7.22	445.6	7.85	0.24	92.8
TRM1	05-Jun-03	10:20	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	05-Jun-03	9:45	Rain	Calm	3	10	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC1	05-Jun-03	9:18	Rain	Calm	93	5	N/A	Flood	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR2	05-Jun-03	13:52	Cloudy	Calm	93	2	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR4	05-Jun-03	14:07	Cloudy	Slight	93	4	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR3	05-Jun-03	14:16	Cloudy	Slight	93	6	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC2	05-Jun-03	14:43	Cloudy	Calm	93	12	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR1	05-Jun-03	13:30	Cloudy	Calm	93	15	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	05-Jun-03	10:06	Rain	Slight	93	4	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OC1	05-Jun-03	10:33	Cloudy	Calm	29	10	N/A	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC5	05-Jun-03	11:00	Cloudy	Calm	93	7	N/A	Low	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LR1	05-Jun-03	11:15	Cloudy	Calm	27	30	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHC1	05-Jun-03	12:50	Cloudy	Calm	28	N/A	N/A	Normal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MBR1	19-Jun-03	7:53	Clear	Calm	32	40	N/A	Normal	0	27.06	7.03	362.9	7.97	0.32	90.7
SBR5	19-Jun-03	8:12	Clear	Calm	32	20	N/A	Normal	0	25.45	6.65	531.9	7.76	0.27	82.4
HC2	19-Jun-03	8:34	Clear	Calm	93	15	N/A	Normal	0	24.32	5.76	397.7	7.65	0.20	68.7

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
HC1	19-Jun-03	8:51	Clear	Calm	93	6	N/A	Normal	0	24.04	5.66	517.0	7.55	0.26	67.6
SC3	19-Jun-03	9:15	Clear	Calm	32	15	N/A	Normal	10	24.28	6.27	432.7	7.68	0.22	75.7
SC1	19-Jun-03	9:27	Clear	Calm	3	4	N/A	Normal	0	23.74	6.63	526.0	7.50	0.27	79.8
TRM1	19-Jun-03	9:35	Clear	Calm	28	2	N/A	Normal	N/A	26.75	6.11	390.2	7.75	0.19	78.9
OC1	19-Jun-03	9:51	Clear	Calm	93	7	N/A	Normal	75	21.82	3.49	592.7	7.61	0.30	37.0
SC5	19-Jun-03	10:06	Clear	Calm	93	8	N/A	Normal	0	22.76	6.58	456.4	7.59	0.23	77.4
LR1	19-Jun-03	10:19	Clear	Calm	56	40	N/A	Normal	0	25.41	6.21	439.5	7.73	0.22	77.0
CHC1	19-Jun-03	10:50	Clear	Calm	27	N/A	N/A	Normal	0	29.15	9.97	357.3	8.25	0.17	133.2
SBR1	19-Jun-03	12:25	Clear	Calm	93	10	N/A	Normal	0	26.14	7.94	630.3	8.00	0.32	100.8
SBR2	19-Jun-03	12:50	Clear	Calm	93	6	N/A	Normal	0	29.25	9.65	566.9	7.94	0.29	128.4
SBR4	19-Jun-03	13:09	Clear	Calm	93	5	N/A	Normal	0	28.48	10.05	574.4	7.96	0.29	131.5
SBR3	19-Jun-03	13:25	Clear	Calm	93	10	N/A	Normal	0	26.96	7.34	419.6	7.57	0.21	94.3
SBR1	03-Jul-03	10:42	Clear	Calm	93	7	N/A	Normal	0	26.69	8.11	689.8	7.95	0.36	101.5
CHC1	03-Jul-03	10:05	Clear	Calm	27	N/A	N/A	Normal	0	31.20	0.86	94.6	6.52	0.04	13.5
LR1	03-Jul-03	9:33	Clear	Calm	97	40	N/A	Normal	0	28.38	5.41	493.2	7.71	0.25	70.4
SC5	03-Jul-03	9:18	Clear	Calm	93	4	N/A	Normal	0	21.14	4.47	569.6	7.17	0.29	48.5
OC1	03-Jul-03	9:00	Clear	Calm	93	5	N/A	Normal	75	23.04	1.07	571.0	7.36	0.29	10.6
TRM1	03-Jul-03	8:46	Clear	Calm	93	2	N/A	Normal	0	28.33	6.55	380.2	8.17	0.19	85.1
SC1	03-Jul-03	8:42	Clear	Calm	93	5	N/A	Normal	0	24.40	3.01	512.8	7.06	0.26	38.5
SC3	03-Jul-03	8:26	Clear	Calm	93	10	N/A	Normal	25	26.14	6.45	406.2	7.68	0.20	80.2
HC1	03-Jul-03	7:59	Clear	Calm	93	6	N/A	Normal	90	24.65	4.01	525.3	7.29	0.27	48.4
HC2	03-Jul-03	7:43	Clear	Calm	93	10	N/A	Normal	0	25.28	4.04	384.1	7.55	0.19	49.3
SBR5	03-Jul-03	7:20	Clear	Calm	28	20	N/A	Normal	0	27.34	6.68	541.5	7.68	0.28	84.4
SBR1	03-Jul-03	7:07	Clear	Calm	93	50	N/A	Normal	0	29.75	1.98	379.6	7.59	0.19	34.7
SBR3	03-Jul-03	12:22	Clear	Calm	93	15	N/A	Normal	0	27.82	7.36	439.8	7.49	0.22	93.2
SBR4	03-Jul-03	12:14	Clear	Calm	93	7	N/A	Normal	0	29.60	8.33	538.8	7.74	0.27	109.1
SBR2	03-Jul-03	11:55	Clear	Calm	93	5	N/A	Normal	0	31.44	8.01	547.3	7.80	0.28	108.1
SBR5	17-Jul-03	8:37	PT/Cloudy	Calm	37	10	2	Normal	2	26.76	4.61	529.8	7.69	0.27	57.2
HC2	17-Jul-03	8:55	PT/Cloudy	Calm	43	7	0.5	Low	2	24.54	3.28	399.6	7.44	0.20	39.4
HC1	17-Jul-03	9:10	PT/Cloudy	Slight	36	4	0.25	Low	80	25.14	7.37	533.5	7.33	0.27	90.4
SC3	17-Jul-03	9:34	Cloudy	Calm	38	4	0.5	Low	80	24.84	6.01	429.2	7.52	0.21	72.9
SC1	17-Jul-03	9:45	PT/Cloudy	Slight	37	1	0.1	Low	75	24.31	4.73	581.2	7.01	0.30	56.0
TRM1	17-Jul-03	9:55	PT/Cloudy	Slight	55	1	0.1	No Flow	40	26.76	5.34	416.2	7.84	0.21	67.0
OC1	17-Jul-03	10:08	PT/Cloudy	Slight	93	5	0.25	Low	95	23.55	7.49	547.6	7.64	0.28	87.9
SC5	17-Jul-03	10:21	PT/Cloudy	Calm	93	3	0.1	Low	80	21.31	4.56	582.4	7.21	0.30	52.0
LR1	17-Jul-03	10:37	PT/Cloudy	Slight	27	20	2	Low	1	27.78	4.94	533.0	7.79	0.27	63.3
CHC1	17-Jul-03	11:12	PT/Cloudy	Slight	27	35	4	Normal	1	30.90	5.32	396.1	7.64	0.20	71.8
SBR1	17-Jul-03	12:54	PT/Cloudy	Slight	93	5	0.5	Low	85	27.52	7.06	701.7	8.01	0.36	89.6
SBR2	17-Jul-03	13:12	PT/Cloudy	Calm	91	2	0.1	Low	75	32.55	9.13	549.8	8.21	0.28	127.2
SBR4	17-Jul-03	13:33	PT/Cloudy	Slight	11	3	0.5	Low	20	28.01	8.10	554.0	7.68	0.28	101.2
SBR3	17-Jul-03	13:45	PT/Cloudy	Slight	25	7	0.75	Normal	2	27.89	6.43	401.2	7.47	0.23	83.0
MBR1	17-Jul-03	8:20	Cloudy	Calm	5	15	3	Normal	2	29.14	6.70	413.8	7.89	0.21	89.0
CHC1	31-Jul-03	6:59	Rain	Calm	28	25	N/A	Low	0	29.23	0.70	83.6	7.02	0.04	5.7
SBR5	31-Jul-03	6:58	Cloudy	Calm	28	10	N/A	Normal	0	27.48	2.11	516.9	6.97	0.26	25.7
MBR1	31-Jul-03	7:55	Cloudy	Calm	30	20	N/A	Low	10	29.40	6.08	373.1	7.42	0.18	80.7

LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SBR4	31-Jul-03	7:00	PT/Cloudy	Calm	92	5	N/A	Low	0	25.20	7.26	320.1	7.44	0.16	87.0
SBR2	31-Jul-03	6:59	Cloudy	Calm	93	1	N/A	Low	0	27.48	6.00	587.0	7.67	0.29	75.7
SBR1	31-Jul-03	6:58	Cloudy	Calm	93	8	N/A	Low	30	25.37	6.51	640.1	7.77	0.33	80.5
SC3	31-Jul-03	6:59	Rain	Calm	93	5	N/A	Low	50	26.29	3.13	885.0	7.28	0.46	23.7
SC1	31-Jul-03	6:58	Rain	Calm	93	2	0.3	Low	20	25.58	3.07	467.8	7.19	0.24	33.8
HC1	31-Jul-03	7:00	PT/Cloudy	Calm	55	2	N/A	Low	0	25.80	6.67	152.6	7.98	0.07	83.2
LR1	31-Jul-03	6:58	Rain	Calm	28	15	N/A	Low	0	28.46	4.95	545.2	7.67	0.28	64.8
TRM1	31-Jul-03	N/A	Rain	Calm	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC5	31-Jul-03	N/A	Rain	Calm	93	5	N/A	Low	N/A	23.73	8.89	N/A	7.37	0.01	104.3
OC1	31-Jul-03	N/A	Rain	Calm	93	3	N/A	Low	N/A	25.60	0.78	454.0	7.21	0.23	6.2
SBR3	31-Jul-03	7:00	PT/Cloudy	Calm	92	4	N/A	Low	0	25.29	7.23	318.4	7.65	0.16	87.2
HC2	31-Jul-03	6:58	Cloudy	Calm	30	5	N/A	No Flow	0	25.93	1.27	326.4	7.46	0.16	16.6
SBR3	14-Aug-03	14:32	Cloudy	Calm	55	10	N/A	Normal	0	25.31	5.36	275.6	7.82	0.13	63.3
SBR4	14-Aug-03	14:15	PT/Cloudy	Calm	26	3	0.5	Low	5	26.83	6.57	498.4	7.94	0.25	82.9
SBR2	14-Aug-03	13:59	Cloudy	Calm	25	10	N/A	Normal	0	27.65	7.20	572.2	7.86	0.29	91.3
SBR1	14-Aug-03	13:42	Cloudy	Calm	93	10	N/A	Normal	75	24.70	7.58	698.6	7.89	0.36	94.1
CHC1	14-Aug-03	12:01	Cloudy	Calm	28	N/A	N/A	Normal	0	28.80	2.04	386.8	6.93	0.20	22.5
LR1	14-Aug-03	11:32	Cloudy	Calm	28	30	N/A	Normal	N/A	25.84	4.65	531.3	7.68	0.27	57.0
SC5	14-Aug-03	11:15	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OC1	14-Aug-03	11:06	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	14-Aug-03	10:54	Cloudy	Calm	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	14-Aug-03	10:50	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	14-Aug-03	10:42	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC1	14-Aug-03	9:55	Cloudy	Calm	93	5	N/A	Normal	80	24.26	6.47	375.0	7.52	0.19	77.8
HC2	14-Aug-03	9:43	Cloudy	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR5	14-Aug-03	9:25	Cloudy	Calm	56	15	N/A	Normal	0	22.91	6.42	392.3	7.69	0.19	75.1
MBR1	14-Aug-03	9:09	Cloudy	Calm	56	40	N/A	Normal	0	24.44	4.80	366.8	7.19	0.18	58.2
MBR1	28-Aug-03	7:02	Clear	Calm	28	15	N/A	Low	N/A	31.04	8.06	435.3	8.00	0.22	75.3
SBR5	28-Aug-03	13:45	Clear	Calm	27	12	N/A	Low	N/A	30.16	15.87	453.3	8.05	0.23	200.0
SBR3	28-Aug-03	13:20	Clear	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR4	28-Aug-03	N/A	Clear	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR2	28-Aug-03	12:55	Clear	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR1	28-Aug-03	7:00	Clear	Calm	93	12	N/A	Low	90	28.40	8.50	N/A	N/A	N/A	N/A
CHC1	28-Aug-03	6:59	Clear	Calm	28	20	N/A	Low	0	30.00	5.08	353.8	7.57	0.17	68.7
LR1	28-Aug-03	6:57	Clear	Calm	28	20	N/A	Low	0	28.42	5.17	490.2	7.56	0.25	69.3
SC5	28-Aug-03	9:40	Clear	Slight	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OC1	28-Aug-03	N/A	Clear	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	28-Aug-03	N/A	Clear	Mod	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	28-Aug-03	6:58	Clear	Mod	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	28-Aug-03	8:50	Clear	Calm	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC1	28-Aug-03	7:00	Clear	Calm	93	2	N/A	Low	95	24.89	3.28	534.3	7.01	0.27	39.8
HC2	28-Aug-03	7:55	Clear	Calm	N/A	N/A	N/A	No Flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR3	11-Sep-03	13:20	Clear	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR4	11-Sep-03	13:10	Clear	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SBR2	11-Sep-03	12:55	PT/Cloudy	Calm	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A

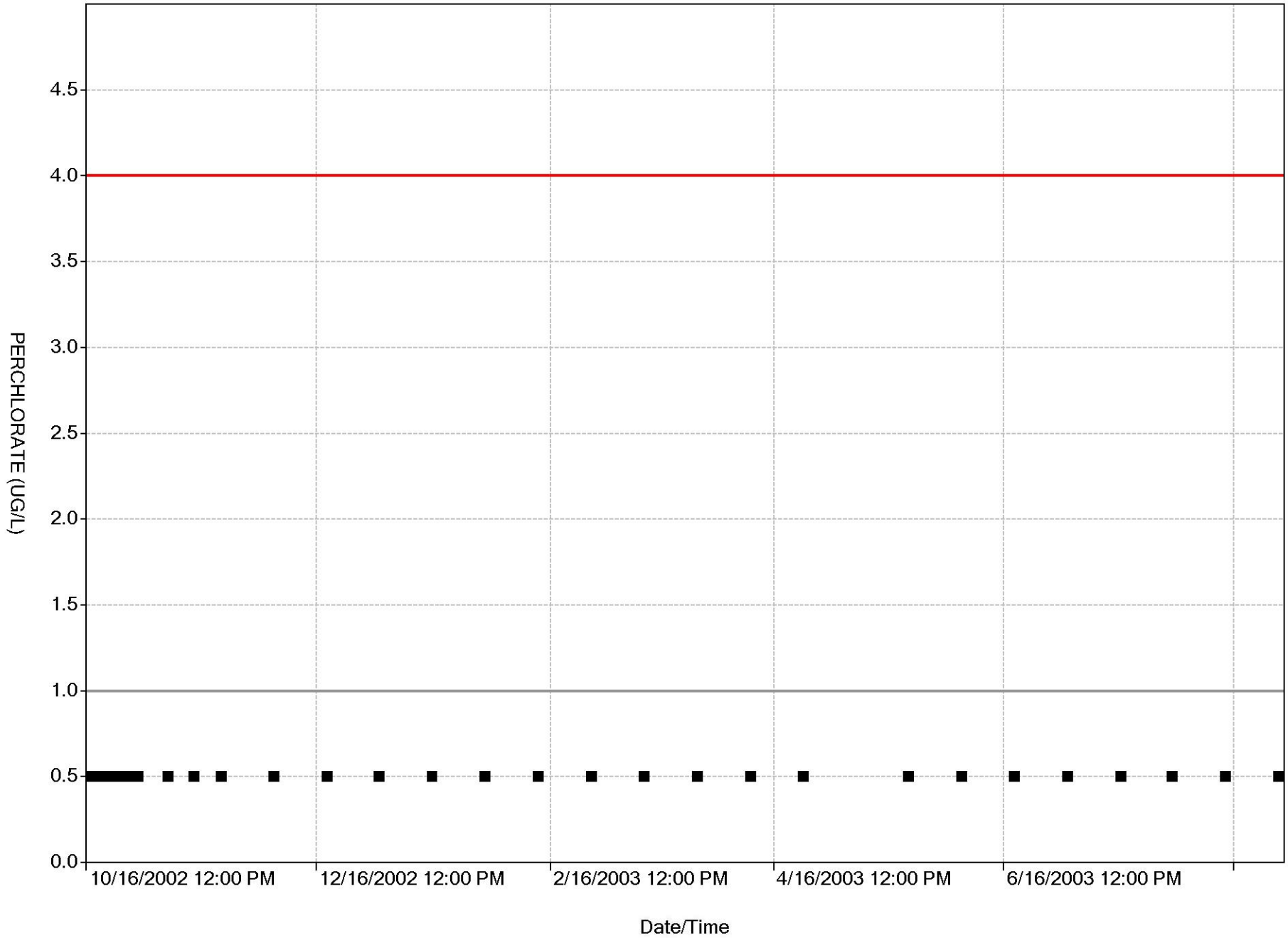
LONGITUDINAL STREAM SAMPLING STUDY
FIELD OBSERVATIONS AND WATER QUALITY DATA

Site ID Number	Date	Time	Skies	Wind	Color	Avg. Stream Width (meters)	Avg. Stream Depth (meters)	Flow Severity	Aquatic Vegetation %	Temp C	DO (mg/L)	Conductivity	pH (su)	Salinity (ppt)	DO% Sat
SC5	11-Sep-03	9:40	PT/Cloudy	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OC1	11-Sep-03	9:20	PT/Cloudy	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC1	11-Sep-03	9:05	PT/Cloudy	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TRM1	11-Sep-03	9:00	PT/Cloudy	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SC3	11-Sep-03	8:50	PT/Cloudy	Slight	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HC2	11-Sep-03	8:15	Cloudy	Calm	N/A	N/A	N/A	Dry	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CHC1	11-Sep-03	10:15	PT/Cloudy	Slight	96	N/A	N/A	Normal	0	28.18	4.93	386.9	7.96	0.19	65.0
LR1	11-Sep-03	9:45	PT/Cloudy	Slight	55	20	N/A	Low	0	26.40	4.46	658.8	7.85	0.34	56.5
MBR1	11-Sep-03	7:30	Cloudy	Calm	138	12	N/A	Normal	0	25.10	4.44	520.0	7.69	0.32	63.9
SBR5	11-Sep-03	7:45	Cloudy	Calm	142	7	N/A	Low	25	25.23	1.83	511.2	7.22	0.26	23.2
HC1	11-Sep-03	8:25	Cloudy	Slight	93	3	N/A	Low	50	24.58	4.63	559.0	7.30	0.29	41.9
SBR1	11-Sep-03	10:45	PT/Cloudy	Slight	93	3	N/A	Low	80	25.49	5.88	912.1	8.02	0.48	73.0

Appendix E

BIWEEKLY PERCHLORATE DATA VS TIME

Station Creek at A&M Property (SC1)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC1)	Min: 0.5	Max: 0.5	Avg: 0.50

MONITORING STATION SC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

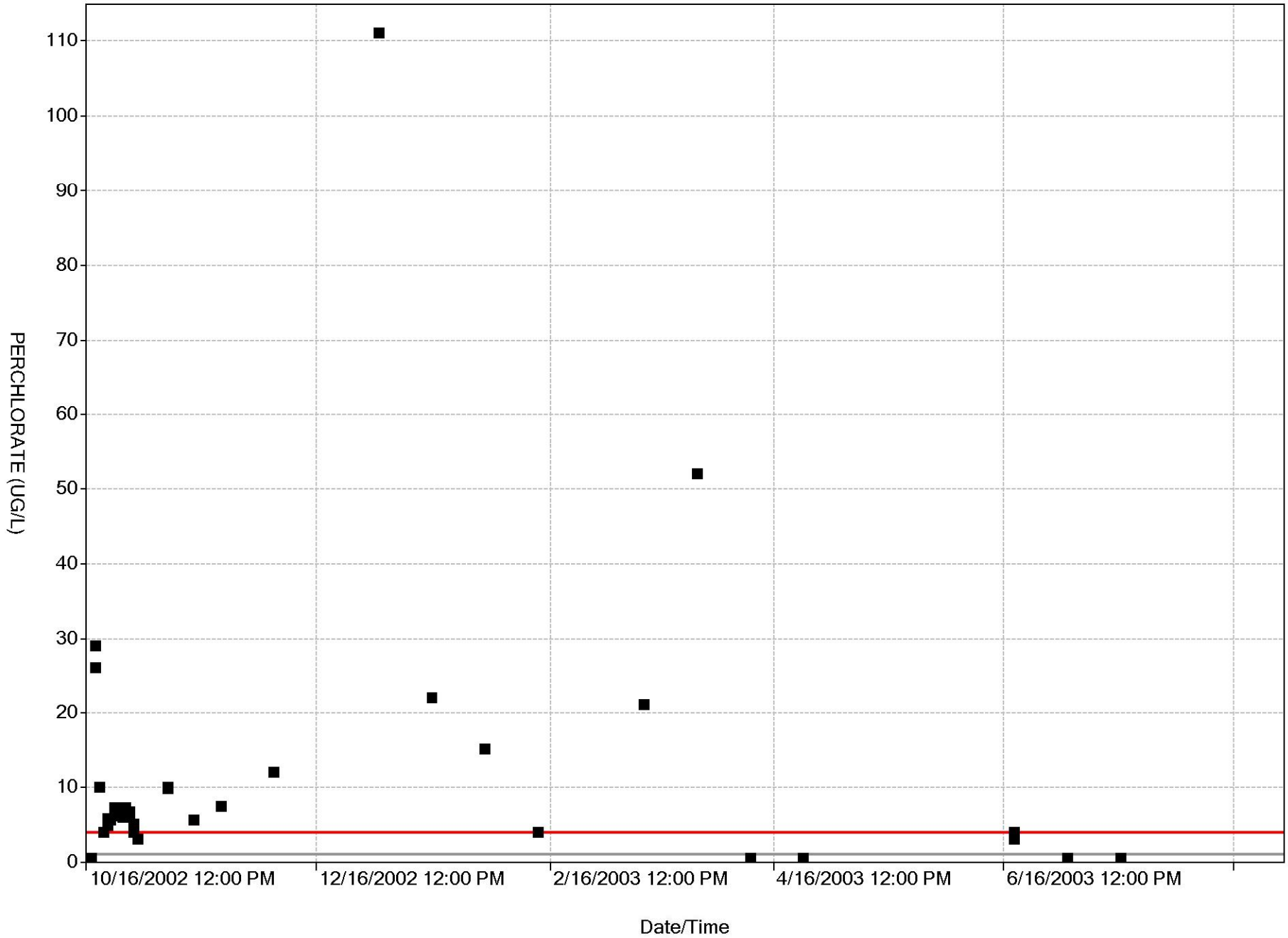
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	SC1-SW-10-17-0700	10/17/2002	0700	<1	µg/l	
SC1 Dup	SW1001	10/17/2002	0700	<1	µg/l	
SC1	SC1-SW-18-10-0700	10/18/2002	0700	<1	µg/l	
SC1 Dup	SW1003	10/18/2002	0700	<1	µg/l	
SC1	SC1-SW-10-19-0700	10/19/2002	0700	<1	µg/l	>24 Hours
SC1 Dup	SW1006	10/19/2002	0700	<1	µg/l	>24 Hours
SC1	SC1-SW-10-20-0700	10/20/2002	0700	<1	µg/l	>24 Hours
SC1	SC1-SW-10-21-0700	10/21/2002	0700	<1	µg/l	
SC1	SC1-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SC1	SC1-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
SC1	SC1-SW-10-24-0700	10/24/2002	0700	<1	µg/l	
SC1 Dup	SW1013	10/24/2002	0700	<1	µg/l	
SC1	SC1-SW-10-25-0700	10/25/2002	0700	<1	µg/l	
SC1	SC1-SW-10-26-0700	10/26/2002	0700	<1	µg/l	
SC1	SC1-SW-10-27-0700	10/27/2002	0700	<1	µg/l	
SC1	SC1-SW-10-28-0700	10/28/2002	0700	<1	µg/l	
SC1	SC1-SW-10-29-0700	10/29/2002	0700	<1	µg/l	
SC1	SC1-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
SC1	SC1-SW-11-7-0700	11/07/2002	0700	<1	µg/l	
SC1 Dup	SW1027	11/07/2002	0700	<1	µg/l	
SC1	SC1-SW-11-14-0700	11/14/2002	0700	<1	µg/l	
SC1 Dup	SW1029	11/14/2002	0700	<1	µg/l	
SC1	SC1-SW-11-21-0700	11/21/2002	0700	<1	µg/l	
SC1	SC1-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
SC1 Dup	SW1035	12/05/2002	0700	<1	µg/l	
SC1	SC1-SW-12-19-0700	12/19/2002	0700	<1	µg/l	
SC1	SC1-SW-01-02-0700	01/02/2003	0700	<1	µg/l	
SC1	SC1-SW-01-16-0700	01/16/2003	0700	<1	µg/l	
SC1	SC1-SW-01-30-0700	01/30/2003	0700	<1	µg/l	
SC1	SC1-SW-02-13-0659	02/13/2003	0659	<1	µg/l	
SC1	SC1-SW-02-27-0659	02/27/2003	0659	<1	µg/l	Sample Temp. = 8°C at Lab
SC1	SC1-SW-03-13-0659	03/13/2003	0659	<1	µg/l	
SC1 Dup	SW-1049	03/13/2003	0659	<1	µg/l	
SC1	SC1-SW-03-27-0659	03/27/2003	0659	<1	µg/l	Sample Temp. = 11°C at Lab
SC1 Dup	SW1052	03/27/2003	0659	<1	µg/l	Sample Temp. = 11°C at Lab
SC1	SC1-SW-04-10-0955	04/10/2003	0955	<1	µg/l	
SC1	SC1-SW-04-24-0845	04/24/2003	0845	<1	µg/l	
SC1	SC1-SW-05-22-0915	05/22/2003	0915	<1	µg/l	
SC1	SC1-SW-06-05-0659	06/05/2003	0659	<1	µg/l	
SC1	SC1-SW-06-19-0659	06/19/2003	0659	<1	µg/l	
SC1	SC1-SW-07-03-0659	07/03/2003	0659	<1	µg/l	
SC1	SC1-SW-07-17-0659	07/17/2003	0659	<1	µg/l	

MONITORING STATION SC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	SC1-SW-07-31-0658	07/31/2003	0658	<1	µg/l	
SC1	SC1-SW-07-31-0658	07/31/2003	0658	<1	µg/l	
SC1 Dup	SW1185	07/31/2003	0658	<1	µg/l	
SC1	SC1-SW-08-14-0658	08/14/2003	0658	<1	µg/l	
SC1	Not Sampled	08/14/2003	0700	--	--	Dry
SC1	SC1-SW-08-28-0658	08/28/2003	1000	<1	µg/l	Dry; Sample collected from standing water

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

Tributary M at A&M Property (TRM1)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (TRM1)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (TRM1)	Min: 0.5	Max: 111.0	Avg: 10.10

MONITORING STATION TRM1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	TRM1-SW-10-17-0700	10/17/2002	0700	<1	µg/l	
TRM1 Dup	SW1002	10/17/2002	0700	<1	µg/l	
TRM1	TRM1-SW-18-10-0700	10/18/2002	0700	<1	µg/l	
TRM1 Dup	SW1004	10/18/2002	0700	<1	µg/l	
TRM1	TRM1-SW-10-19-0700	10/19/2002	0700	**26**	µg/l	>24 Hours
TRM1 Dup	SW1008	10/19/2002	0700	**29**	µg/l	>24 Hours
TRM1	TRM1-SW-10-20-0700	10/20/2002	0700	**9.9**	µg/l	>24 Hours
TRM1	TRM1-SW-10-21-0700	10/21/2002	0700	**4**	µg/l	
TRM1	TRM1-SW-10-22-0700	10/22/2002	0700	**4.8**	µg/l	
TRM1 Dup	SW1010	10/22/2002	0700	**5.7**	µg/l	
TRM1	TRM1-SW-10-23-0700	10/23/2002	0700	**5.5**	µg/l	
TRM1 Dup	SW1012	10/23/2002	0700	**5.7**	µg/l	
TRM1	TRM1-SW-10-24-0700	10/24/2002	0701	**7.2**	µg/l	
TRM1	TRM1-SW-10-25-0700	10/25/2002	0700	**6.1**	µg/l	
TRM1 Dup	SW1014	10/25/2002	0700	**6.7**	µg/l	
TRM1	TRM1-SW-10-26-0700	10/26/2002	0700	**6**	µg/l	
TRM1 Dup	SW1016	10/26/2002	0700	**6.7**	µg/l	
TRM1	TRM1-SW-10-27-0700	10/27/2002	0700	**7.3**	µg/l	
TRM1 Dup	SW1019	10/27/2002	0700	**6.8**	µg/l	
TRM1	TRM1-SW-10-28-0700	10/28/2002	0700	**6.7**	µg/l	
TRM1 Dup	SW1020	10/28/2002	0700	**6.1**	µg/l	
TRM1	TRM1-SW-10-29-0700	10/29/2002	0700	**4**	µg/l	
TRM1 Dup	SW1023	10/29/2002	0700	**5**	µg/l	
TRM1	TRM1-SW-10-30-0700	10/30/2002	0700	**3 J**	µg/l	
TRM1 Dup	SW1025	10/30/2002	0700	**3 J**	µg/l	
TRM1	TRM1-SW-11-7-0700	11/07/2002	0700	**9.8**	µg/l	
TRM1 Dup	SW1026	11/07/2002	0700	**10**	µg/l	
TRM1	TRM1-SW-11-14-0700	11/14/2002	0700	**5.6**	µg/l	
TRM1	TRM1-SW-11-21-0700	11/21/2002	0700	**7.4**	µg/l	
TRM1 Dup	SW1031	11/21/2002	0700	**7.4**	µg/l	
TRM1	TRM1-SW-12-05-0700	12/05/2002	0700	**12**	µg/l	
TRM1	Not Sampled	12/19/2002	0700	--	--	Equipment Error
TRM1	TRM1-SW-01-02-0700	01/02/2003	0700	**111**	µg/l	
TRM1	TRM1-SW-01-16-0700	01/16/2003	0700	**22**	µg/l	
TRM1	TRM1-SW-01-30-0700	01/30/2003	0700	**15**	µg/l	
TRM1	TRM1-SW-02-13-0700	02/13/2003	0700	**4**	µg/l	
TRM1	Not Sampled	02/27/2003	0700	--	--	Equipment Error
TRM1	TRM1-SW-03-13-0700	03/13/2003	0700	**21**	µg/l	
TRM1	TRM1-SW-03-27-0700	03/27/2003	0700	**52**	µg/l	Sample Temp. = 11°C at Lab
TRM1	TRM1-SW-04-10-1008	04/10/2003	1008	<1	µg/l	
TRM1 Dup	SW1054	04/10/2003	1008	<1	µg/l	
TRM1	TRM1-SW-04-24-0900	04/24/2003	0900	<1	µg/l	
TRM1 Dup	SW1057	04/24/2003	0900	<1	µg/l	
TRM1	Not Sampled	05/22/2003	0700	--	--	Dry

MONITORING STATION TRM1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

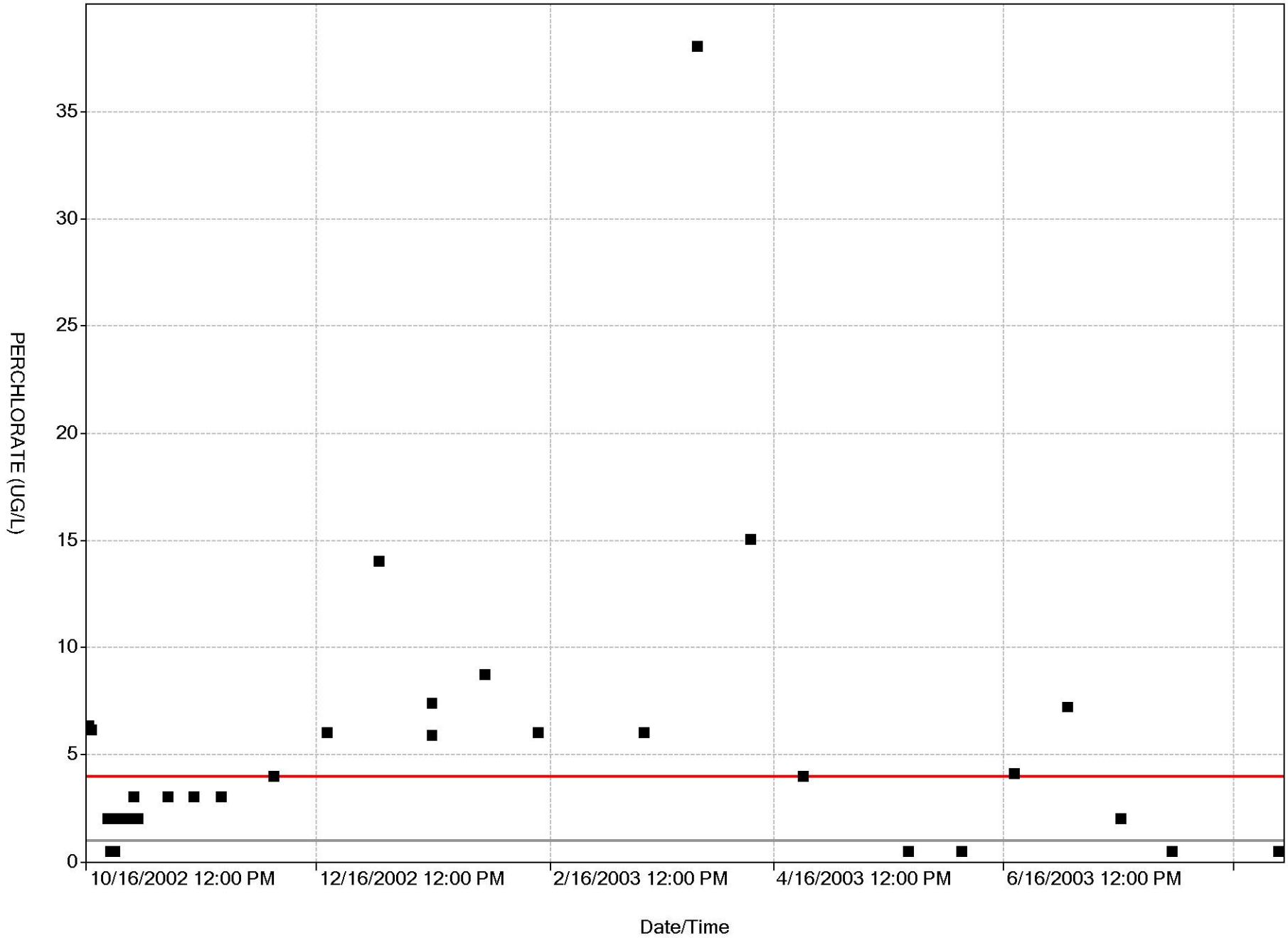
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	Not Sampled	06/05/2003	0700	--	--	Dry
TRM1	TRM1-SW-06-19-0700	06/19/2003	0700	**4**	µg/l	
TRM1 Dup	SW1178	06/19/2003	0700	**3 J**	µg/l	
TRM1	TRM1-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
TRM1	TRM1-SW-07-17-0700	07/17/2003	0700	<1	µg/l	
TRM1	Not Sampled	07/31/2003	0700	--	--	Dry
TRM1	Not Sampled	08/14/2003	0700	--	--	Dry
TRM1	Not Sampled	08/28/2003	0700	--	--	Dry

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:34

Station Creek at 107 (SC3)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC3)	Min: 0.5	Max: 38.0	Avg: 5.11

MONITORING STATION SC3 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	SC3-SW-10-17-0701	10/17/2002	0701	**6.3**	µg/l	
SC3	SC3-SW-18-10-0701	10/18/2002	0701	**6.1**	µg/l	
SC3	Not Sampled	10/19/2002	0700	--	--	Equipment Error
SC3	Not Sampled	10/20/2002	0700	--	--	Equipment Error
SC3	Not Sampled	10/21/2002	0700	--	--	Equipment Error
SC3	SC3-SW-10-22-0701	10/22/2002	0701	**2 J**	µg/l	
SC3	SC3-SW-10-23-0701	10/23/2002	0701	<1	µg/l	
SC3	SC3-SW-10-24-0701	10/24/2002	0701	<1	µg/l	
SC3	SC3-SW-10-25-0701	10/25/2002	0701	**2 J**	µg/l	
SC3 Dup	SW1015	10/25/2002	0701	**2 J**	µg/l	
SC3	SC3-SW-10-26-0701	10/26/2002	0701	**2 J**	µg/l	
SC3	SC3-SW-10-27-0700	10/27/2002	0700	**2 J**	µg/l	
SC3	SC3-SW-10-28-0700	10/28/2002	0700	**2 J**	µg/l	
SC3	SC3-SW-10-29-0700	10/29/2002	0700	**3 J**	µg/l	
SC3	SC3-SW-10-30-0700	10/30/2002	0700	**2 J**	µg/l	
SC3	SC3-SW-11-7-0700	11/07/2002	0700	**3 J**	µg/l	
SC3	SC3-SW-11-14-0700	11/14/2002	0700	**3 J**	µg/l	
SC3 Dup	SW1028	11/14/2002	0700	**3 J**	µg/l	
SC3	SC3-SW-11-21-0700	11/21/2002	0700	**3 J**	µg/l	
SC3	SC3-SW-12-05-0700	12/05/2002	0700	**4**	µg/l	
SC3	SC3-SW-12-19-0700	12/19/2002	0700	**6**	µg/l	
SC3	SC3-SW-01-02-0700	01/02/2003	0700	**14**	µg/l	
SC3 Dup	SW1038	01/02/2003	0700	**14**	µg/l	
SC3	SC3-SW-01-16-0700	01/16/2003	0700	**7.4**	µg/l	
SC3 Dup	SW1041	01/16/2003	0700	**5.9**	µg/l	
SC3	SC3-SW-01-30-0700	01/30/2003	0700	**8.7**	µg/l	
SC3	SC3-SW-02-13-0700	02/13/2003	0700	**6**	µg/l	
SC3	Not Sampled	02/27/2003	0700	--	--	Equipment Error
SC3	SC3-SW-03-13-0700	03/13/2003	0700	**6**	µg/l	
SC3	SC3-SW-03-27-0700	03/27/2003	0700	**38**	µg/l	Sample Temp. = 11°C at Lab
SC3	SC3-SW-04-10-0937	04/10/2003	0937	**15**	µg/l	
SC3	SC3-SW-04-24-0831	04/24/2003	0831	**4**	µg/l	
SC3	SC3-SW-05-22-0905	05/22/2003	0905	<1	µg/l	
SC3	SC3-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
SC3 Dup	SW1175	06/05/2003	0700	<1	µg/l	
SC3	SC3-SW-06-19-0700	06/19/2003	0700	**4.1**	µg/l	
SC3	SC3-SW-07-03-0700	07/03/2003	0700	**7.2**	µg/l	
SC3 Dup	SW1181	07/17/2003	0659	**2 J**	µg/l	
SC3	SC3-SW-07-17-0659	07/17/2003	0659	**2 J**	µg/l	
SC3	SC3-SW-07-31-0659	07/31/2003	0659	<1	µg/l	
SC3	Not Sampled	08/14/2003	0700	--	--	Dry
SC3	SC3-SW-08-28-0850	08/28/2003	0850	<1	µg/l	Dry; Sample collected from standing water

MONITORING STATION SC3 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

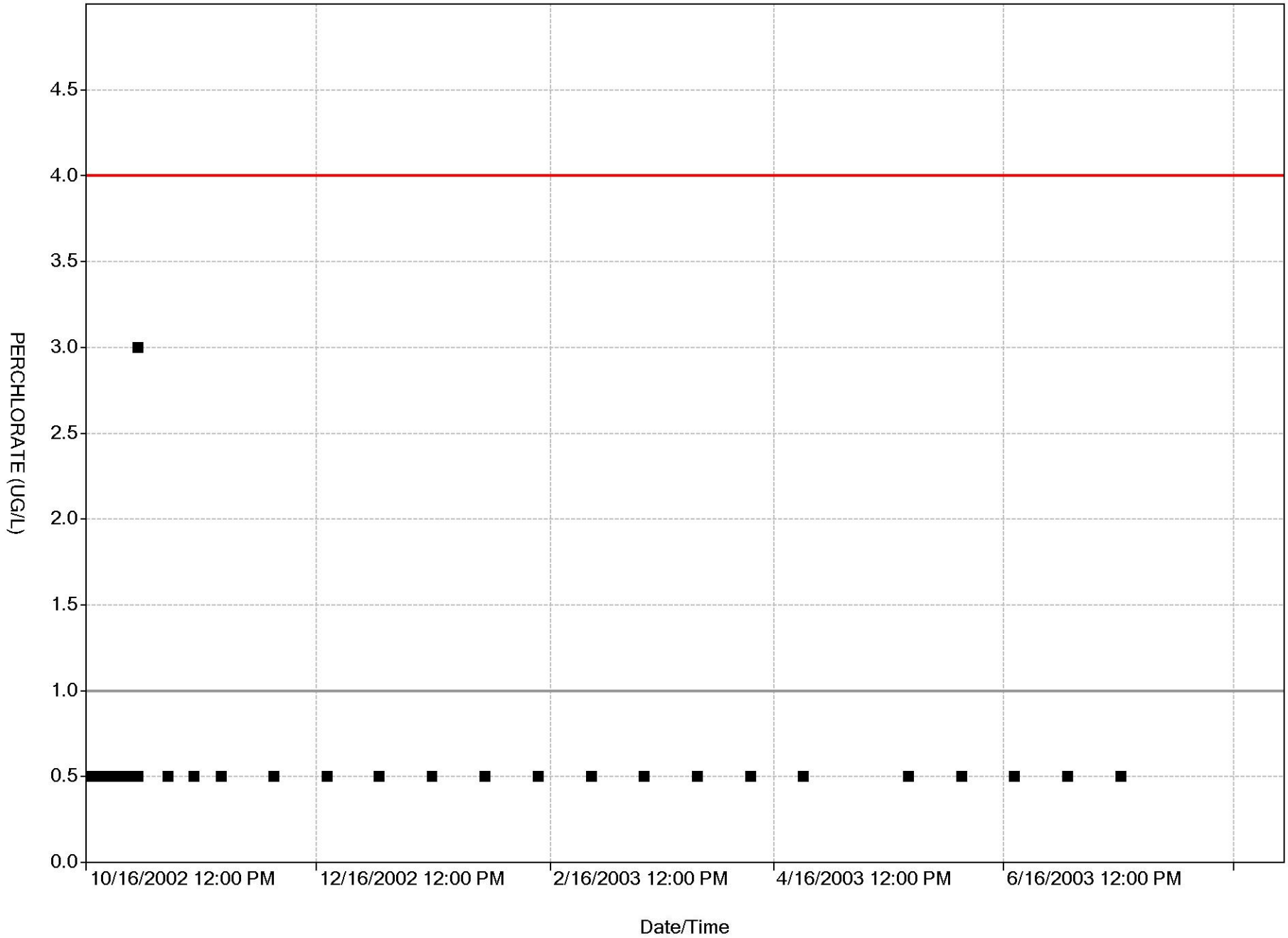
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:27

Onion Creek at 107 (OC1)
Biweekly Perchlorate Data vs Time



Legend:

- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (OC1)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (OC1)	Min: 0.5	Max: 3.0	Avg: 0.56

MONITORING STATION OC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	OC1-SW-10-17-0701	10/17/2002	0701	<1	µg/l	
OC1	OC1-SW-18-10-0701	10/18/2002	0701	<1	µg/l	
OC1	OC1-SW-10-19-0701	10/19/2002	0701	<1	µg/l	>24 Hours
OC1 Dup	SW1005	10/19/2002	0701	<1	µg/l	>24 Hours
OC1	OC1-SW-10-20-0701	10/20/2002	0701	<1	µg/l	>24 Hours
OC1	OC1-SW-10-21-0701	10/21/2002	0701	<1	µg/l	
OC1	OC1-SW-10-22-0701	10/22/2002	0701	<1	µg/l	
OC1 Dup	SW1009	10/22/2002	0701	<1	µg/l	
OC1	OC1-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
OC1	OC1-SW-10-24-0701	10/24/2002	0701	<1	µg/l	
OC1 Dup	SW1012	10/24/2002	0701	<1	µg/l	
OC1	OC1-SW-10-25-0701	10/25/2002	0701	<1	µg/l	
OC1	OC1-SW-10-26-0701	10/26/2002	0701	<1	µg/l	
OC1	OC1-SW-10-27-0700	10/27/2002	0700	<1	µg/l	
OC1	OC1-SW-10-28-0700	10/28/2002	0700	<1	µg/l	
OC1	OC1-SW-10-29-0700	10/29/2002	0700	<1	µg/l	
OC1 Dup	SW1022	10/29/2002	0700	<1	µg/l	
OC1	OC1-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
OC1 Dup	SW1024	10/30/2002	0700	**3 J**	µg/l	
OC1	OC1-SW-11-7-0700	11/07/2002	0700	<1	µg/l	
OC1	OC1-SW-11-14-0700	11/14/2002	0700	<1	µg/l	
OC1	OC1-SW-11-21-0700	11/21/2002	0700	<1	µg/l	
OC1	OC1-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
OC1 Dup	SW1034	12/05/2002	0700	<1	µg/l	
OC1	OC1-SW-12-19-0700	12/19/2002	0700	<1	µg/l	
OC1	OC1-SW-01-02-0700	01/02/2003	0700	<1	µg/l	
OC1 Dup	SW1039	01/02/2003	0700	<1	µg/l	
OC1	OC1-SW-01-16-0700	01/16/2003	0700	<1	µg/l	
OC1 Dup	SW1040	01/16/2003	0700	<1	µg/l	
OC1	OC1-SW-01-30-0700	01/30/2003	0700	<1	µg/l	
OC1 Dup	SW1043	01/30/2003	0700	<1	µg/l	
OC1	OC1-SW-02-13-0700	02/13/2003	0700	<1	µg/l	
OC1 Dup	SW1046	02/13/2003	0700	<1	µg/l	
OC1	OC1-SW-02-27-0700	02/27/2003	0700	<1	µg/l	Sample Temp. = 8°C at Lab
OC1	OC1-SW-03-13-0659	03/13/2003	0659	<1	µg/l	
OC1	OC1-SW-03-27-0659	03/27/2003	0659	<1	µg/l	Sample Temp. = 11°C at Lab
OC1 Dup	SW1053	03/27/2003	0659	<1	µg/l	Sample Temp. = 11°C at Lab
OC1	OC1-SW-04-10-1020	04/10/2003	1020	<1	µg/l	
OC1	OC1-SW-04-24-0911	04/24/2003	0911	<1	µg/l	
OC1	OC1-SW-05-22-0933	05/22/2003	0933	<1	µg/l	
OC1	OC1-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
OC1	OC1-SW-06-19-0700	06/19/2003	0700	<1	µg/l	
OC1	OC1-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
OC1	OC1-SW-07-17-0659	07/17/2003	0659	<1	µg/l	
OC1	Not Sampled	07/31/2003	0700	--	--	Dry
OC1	Not Sampled	08/14/2003	0700	--	--	Dry
OC1	Not Sampled	08/28/2003	0700	--	--	Dry

MONITORING STATION OC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

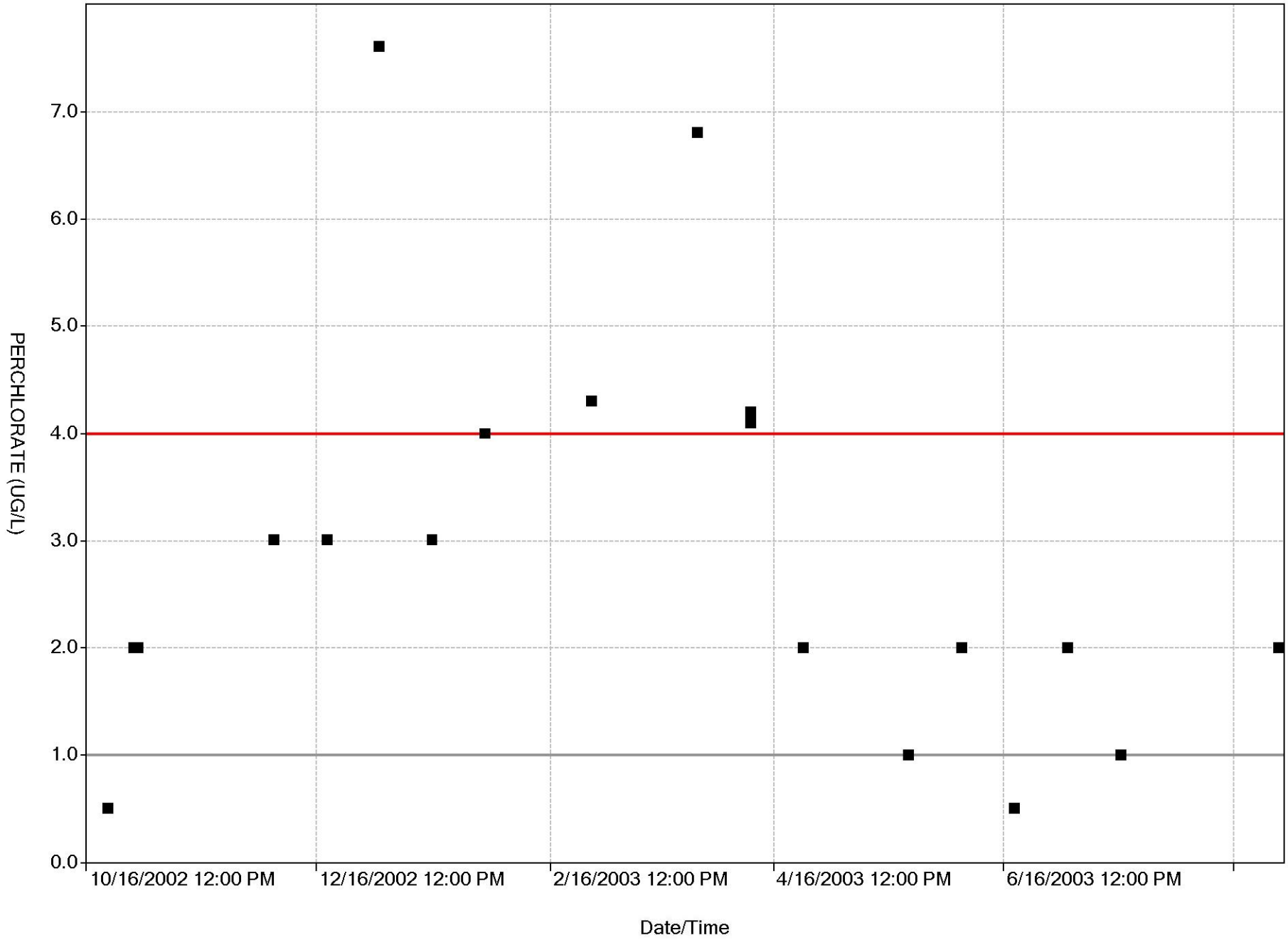
-- Not applicable.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:34

Station Creek at Ogelsby Neff Park Road (SC5)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC5)	Min: 0.5	Max: 7.6	Avg: 2.73

MONITORING STATION SC5 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	10/17/2002	0700	--	--	Dry
SC5	Not Sampled	10/18/2002	0700	--	--	Dry
SC5	Not Sampled	10/19/2002	0700	--	--	Dry
SC5	Not Sampled	10/20/2002	0700	--	--	Dry
SC5	Not Sampled	10/21/2002	0700	--	--	Dry
SC5	SC5-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SC5	Not Sampled	10/23/2002	0700	--	--	Dry
SC5	Not Sampled	10/24/2002	0700	--	--	Dry
SC5	Not Sampled	10/25/2002	0700	--	--	Dry
SC5	Not Sampled	10/26/2002	0700	--	--	Dry
SC5	Not Sampled	10/27/2002	0700	--	--	Dry
SC5	Not Sampled	10/28/2002	0700	--	--	Dry
SC5	SC5-SW-10-29-0700	10/29/2002	0700	**2 J**	µg/l	
SC5	SC5-SW-10-29-0700	10/29/2002	0700	**2 J**	µg/l	
SC5	SC5-SW-10-30-0700	10/30/2002	0700	**2 J**	µg/l	
SC5	Not Sampled	11/07/2002	0700	--	--	Equipment Error
SC5	Not Sampled	11/14/2002	0700	--	--	Dry
SC5	SC5-SW-12-05-0701	12/05/2002	0701	**3 J**	µg/l	
SC5	SC5-SW-12-19-0700	12/19/2002	0700	**3 J**	µg/l	
SC5	SC5-SW-01-02-0700	01/02/2003	0700	**7.6**	µg/l	
SC5	SC5-SW-01-16-0700	01/16/2003	0700	**3 J**	µg/l	
SC5	SC5-SW-01-30-0702	01/30/2003	0702	**4**	µg/l	
SC5	Not Sampled	02/13/2003	0700	--	--	Equipment Error
SC5	SC5-SW-02-27-0701	02/27/2003	0701	**4.3**	µg/l	Sample Temp. = 8°C at Lab
SC5	Not Sampled	03/13/2003	0700	--	--	Equipment Error
SC5	SC5-SW-03-27-0701	03/27/2003	0701	**6.8**	µg/l	Sample Temp. = 11°C at Lab
SC5	SC5-SW-04-10-1038	04/10/2003	1008	**4.2**	µg/l	
SC5 Dup	SW1055	04/10/2003	1008	**4.1**	µg/l	
SC5	SC5-SW-04-24-0935	04/24/2003	0935	**2 J**	µg/l	
SC5 Dup	SW1056	04/24/2003	0935	**2 J**	µg/l	
SC5	SC5-SW-05-22-0947	05/22/2003	0947	**1 J**	µg/l	
SC5 Dup	SW1172	05/22/2003	0947	**1 J**	µg/l	
SC5	SC5-SW-06-05-0700	06/05/2003	0700	**2 J**	µg/l	
SC5	SC5-SW-06-19-0700	06/19/2003	0700	<1	µg/l	
SC5	SC5-SW-07-03-0700	07/03/2003	0700	**2 J**	µg/l	
SC5	SC5-SW-07-17-0700	07/17/2003	0700	**1 J**	µg/l	
SC5	Not Sampled	07/31/2003	0700	--	--	Dry
SC5	Not Sampled	08/14/2003	0700	--	--	Dry
SC5	SC5-SW-08-28-0940	08/28/2003	0940	**2 J**	µg/l	Equipment error; Sample collected from standing water

MONITORING STATION SC5 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

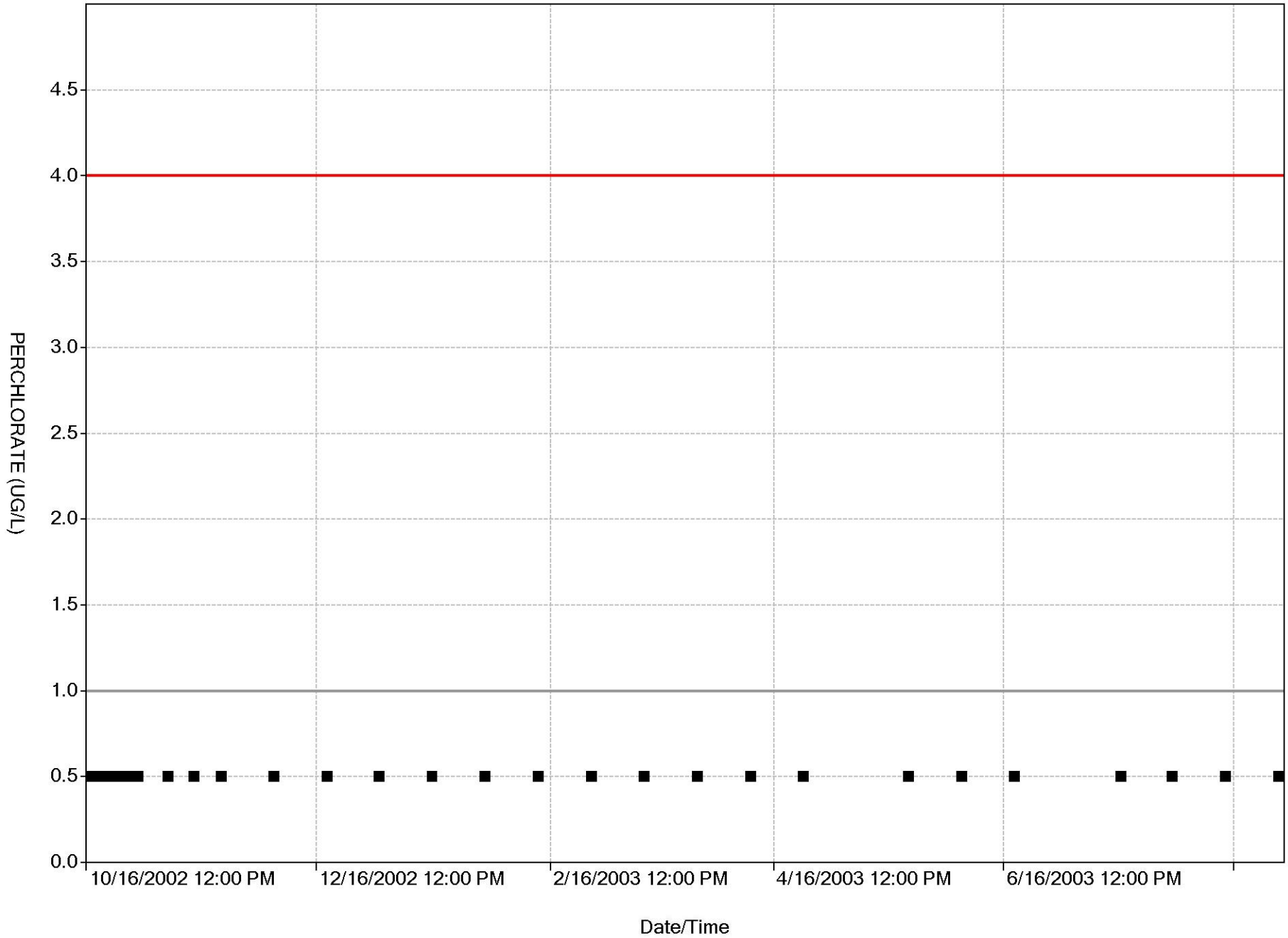
µg/l micrograms per liter.

-- Not applicable.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

Leon River at 236 (LR1)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (LR1)	Min: 0.5	Max: 0.5	Avg: 0.50

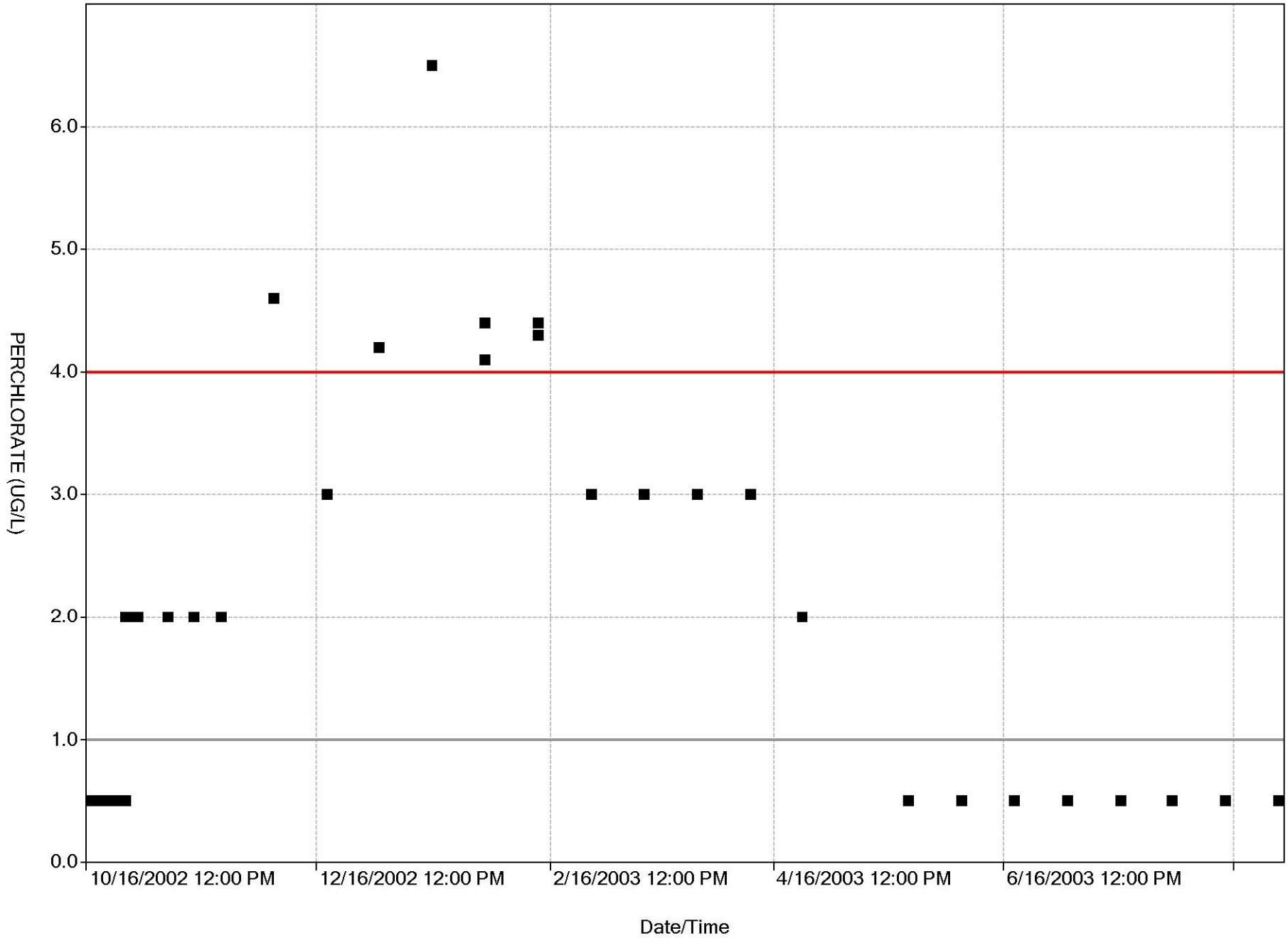
MONITORING STATION LR1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-10-17-0701	10/17/2002	0701	<1	µg/l	
LR1	LR1-SW-18-10-0701	10/18/2002	0701	<1	µg/l	
LR1	LR1-SW-10-19-0701	10/19/2002	0701	<1	µg/l	>24 Hours
LR1	LR1-SW-10-20-0701	10/20/2002	0701	<1	µg/l	>24 Hours
LR1	LR1-SW-10-21-0701	10/21/2002	0701	<1	µg/l	
LR1	LR1-SW-10-22-0701	10/22/2002	0701	<1	µg/l	
LR1	LR1-SW-10-23-0701	10/23/2002	0701	<1	µg/l	
LR1	LR1-SW-10-24-0701	10/24/2002	0701	<1	µg/l	
LR1	LR1-SW-10-25-0701	10/25/2002	0701	<1	µg/l	
LR1	LR1-SW-10-26-0700	10/26/2002	0700	<1	µg/l	
LR1	LR1-SW-10-27-0659	10/27/2002	0659	<1	µg/l	
LR1	LR1-SW-10-28-0659	10/28/2002	0659	<1	µg/l	
LR1	LR1-SW-10-29-0700	10/29/2002	0700	<1	µg/l	
LR1	LR1-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
LR1	LR1-SW-11-7-0700	11/07/2002	0700	<1	µg/l	
LR1	LR1-SW-11-14-0659	11/14/2002	0659	<1	µg/l	
LR1	LR1-SW-11-21-0700	11/21/2002	0700	<1	µg/l	
LR1	LR1-SW-12-05-0659	12/05/2002	0659	<1	µg/l	
LR1	LR1-SW-12-19-0659	12/19/2002	0659	<1	µg/l	
LR1	LR1-SW-01-02-0659	01/02/2003	0659	<1	µg/l	
LR1	LR1-SW-01-16-0659	01/16/2003	0659	<1	µg/l	
LR1	LR1-SW-01-30-0659	01/30/2003	0659	<1	µg/l	
LR1	LR1-SW-02-13-0658	02/13/2003	0658	<1	µg/l	
LR1	LR1-SW-02-27-0658	02/27/2003	0658	<1	µg/l	Sample Temp. = 8°C at Lab
LR1	LR1-SW-03-13-0657	03/13/2003	0657	<1	µg/l	
LR1	LR1-SW-03-27-0657	03/27/2003	0657	<1	µg/l	Sample Temp. = 11°C at Lab
LR1	LR1-SW-04-10-1053	04/10/2003	1053	<1	µg/l	
LR1	LR1-SW-04-24-0949	04/24/2003	0949	<1	µg/l	
LR1	LR1-SW-05-22-0957	05/22/2003	0957	<1	µg/l	
LR1	LR1-SW-06-05-0659	06/05/2003	0659	<1	µg/l	
LR1 Dup	SW1176	06/05/2003	0659	<1	µg/l	
LR1	LR1-SW-06-19-0659	06/19/2003	0659	<1	µg/l	
LR1	Not Sampled	07/03/2003	0700	--	--	Equipment Error
LR1	LR1-SW-07-17-0658	07/17/2003	0658	<1	µg/l	
LR1	LR1-SW-07-31-0658	07/31/2003	0658	<1	µg/l	
LR1	LR1-SW-08-14-0657	08/14/2003	0657	<1	µg/l	
LR1	LR1-SW-08-28-0657	08/28/2003	0657	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2004/02/09 09:22

Harris Creek at Middle Windsor Road (HC1)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (HC1)

Stats:

Min: 4	Max: 4	Avg: 4.0
Min: 1	Max: 1	Avg: 1.0
Min: 0.5	Max: 6.5	Avg: 1.81

MONITORING STATION HC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-10-17-0658	10/17/2002	0658	<1	µg/l	
HC1	HC1-SW-18-10-0656	10/18/2002	0656	<1	µg/l	
HC1	HC1-SW-10-19-0659	10/19/2002	0659	<1	µg/l	>24 Hours
HC1	HC1-SW-10-20-0659	10/20/2002	0659	<1	µg/l	>24 Hours
HC1	HC1-SW-10-21-0659	10/21/2002	0659	<1	µg/l	
HC1	HC1-SW-10-22-0656	10/22/2002	0656	<1	µg/l	
HC1	HC1-SW-10-23-0656	10/23/2002	0656	<1	µg/l	
HC1	HC1-SW-10-24-0656	10/24/2002	0656	<1	µg/l	
HC1	HC1-SW-10-25-0656	10/25/2002	0656	<1	µg/l	
HC1	HC1-SW-10-26-0656	10/26/2002	0656	<1	µg/l	
HC1	HC1-SW-10-27-0700	10/27/2002	0700	**2 J**	µg/l	
HC1 Dup	SW1018	10/27/2002	0700	<1	µg/l	
HC1	HC1-SW-10-28-0659	10/28/2002	0659	**2 J**	µg/l	
HC1 Dup	SW1021	10/28/2002	0659	**2 J**	µg/l	
HC1	HC1-SW-10-29-0700	10/29/2002	0700	**2 J**	µg/l	
HC1	HC1-SW-10-30-0700	10/30/2002	0700	**2 J**	µg/l	
HC1	HC1-SW-11-7-0700	11/07/2002	0700	**2 J**	µg/l	
HC1	HC1-SW-11-14-0700	11/14/2002	0700	**2 J**	µg/l	
HC1	HC1-SW-11-21-0700	11/21/2002	0700	**2 J**	µg/l	
HC1 Dup	SW1030	11/21/2002	0700	**2 J**	µg/l	
HC1	HC1-SW-12-05-0700	12/05/2002	0700	**4.6**	µg/l	
HC1	HC1-SW-12-19-0700	12/19/2002	0700	**3 J**	µg/l	
HC1	HC1-SW-01-02-0700	01/02/2003	0700	**4.2**	µg/l	
HC1	HC1-SW-01-16-0700	01/16/2003	0700	**6.5**	µg/l	
HC1	HC1-SW-01-30-0700	01/30/2003	0700	**4.4**	µg/l	
HC1 Dup	SW1044	01/30/2003	0700	**4.1**	µg/l	
HC1	HC1-SW-02-13-0700	02/13/2003	0700	**4.3**	µg/l	
HC1 Dup	SW1045	02/13/2003	0700	**4.4**	µg/l	
HC1	HC1-SW-02-27-0700	02/27/2003	0700	**3 J**	µg/l	Sample Temp. = 8°C at Lab
HC1	HC1-SW-03-13-0700	03/13/2003	0700	**3 J**	µg/l	
HC1	HC1-SW-03-27-0700	03/27/2003	0700	**3 J**	µg/l	Sample Temp. = 11°C at Lab
HC1	HC1-SW-04-10-0910	04/10/2003	0910	**3 J**	µg/l	
HC1	HC1-SW-04-24-0804	04/24/2003	0804	**2 J**	µg/l	
HC1	HC1-SW-05-22-0835	05/22/2003	0835	<1	µg/l	
HC1	HC1-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
HC1	HC1-SW-06-19-0700	06/19/2003	0700	<1	µg/l	
HC1	HC1-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
HC1 Dup	SW1182	07/17/2003	0700	<1	µg/l	
HC1	HC1-SW-07-17-0700	07/17/2003	0700	<1	µg/l	
HC1	HC1-SW-07-31-0700	07/31/2003	0700	<1	µg/l	
HC1 Dup	SW1184	07/31/2003	0700	<1	µg/l	
HC1	HC1-SW-08-14-0700	08/14/2003	0700	<1	µg/l	
HC1	HC1-SW-08-28-0700	08/28/2003	0700	<1	µg/l	

MONITORING STATION HC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

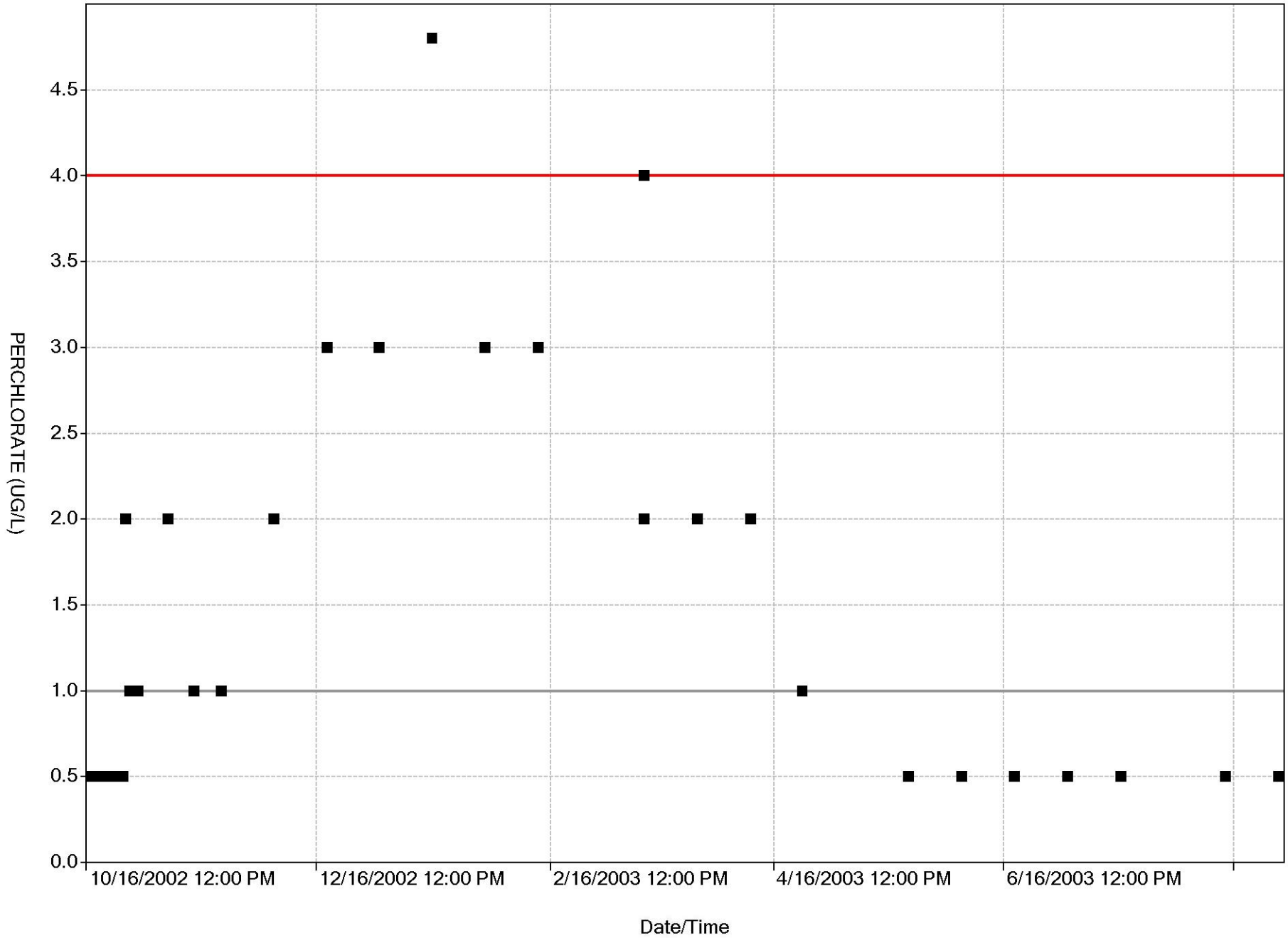
µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:26

Harris Creek near Val Verde Road (HC2)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (HC2)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (HC2)	Min: 0.5	Max: 4.8	Avg: 1.25

MONITORING STATION HC2 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-10-17-0701	10/17/2002	0701	<1	µg/l	
HC2	HC2-SW-18-10-0700	10/18/2002	0700	<1	µg/l	
HC2	HC2-SW-10-19-0700	10/19/2002	0700	<1	µg/l	>24 Hours
HC2 Dup	SW1007	10/19/2002	0700	<1	µg/l	>24 Hours
HC2	HC2-SW-10-20-0700	10/20/2002	0700	<1	µg/l	>24 Hours
HC2	HC2-SW-10-21-0700	10/21/2002	0700	<1	µg/l	
HC2	HC2-SW-10-22-0701	10/22/2002	0701	<1	µg/l	
HC2	HC2-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
HC2 Dup	SW1011	10/23/2002	0700	<1	µg/l	
HC2	HC2-SW-10-24-0700	10/24/2002	0700	<1	µg/l	
HC2	HC2-SW-10-25-0700	10/25/2002	0700	<1	µg/l	
HC2	HC2-SW-10-26-0700	10/26/2002	0700	<1	µg/l	
HC2 Dup	SW1017	10/26/2002	0700	<1	µg/l	
HC2	HC2-SW-10-27-0701	10/27/2002	0701	**2 J**	µg/l	
HC2	HC2-SW-10-28-0701	10/28/2002	0701	**1 J**	µg/l	
HC2	HC2-SW-10-29-0700	10/29/2002	0700	**1 J**	µg/l	
HC2	HC2-SW-10-30-0700	10/30/2002	0700	**1 J**	µg/l	
HC2	HC2-SW-11-7-0700	11/07/2002	0700	**2 J**	µg/l	
HC2	HC2-SW-11-14-0700	11/14/2002	0700	**1 J**	µg/l	
HC2	HC2-SW-11-21-0701	11/21/2002	0701	**1 J**	µg/l	
HC2	HC2-SW-12-05-0700	12/05/2002	0700	**2 J**	µg/l	
HC2	HC2-SW-12-19-0700	12/19/2002	0700	**3 J**	µg/l	
HC2	HC2-SW-01-02-0700	01/02/2003	0700	**3 J**	µg/l	
HC2	HC2-SW-01-16-0700	01/16/2003	0700	**4.8**	µg/l	
HC2	HC2-SW-01-30-0702	01/30/2003	0702	**3 J**	µg/l	
HC2	HC2-SW-02-13-0702	02/13/2003	0702	**3 J**	µg/l	
HC2	Not Sampled	02/27/2003	0700	--	--	Equipment Error
HC2	HC2-SW-03-13-0700	03/13/2003	0700	**4**	µg/l	
HC2 Dup	SW-1050	03/13/2003	0700	**2 J**	µg/l	
HC2	HC2-SW-03-27-0700	03/27/2003	0700	**2 J**	µg/l	Sample Temp. = 11°C at Lab
HC2	HC2-SW-04-10-0850	04/10/2003	0850	**2 J**	µg/l	
HC2	HC2-SW-04-24-0749	04/24/2003	0749	**1 J**	µg/l	
HC2	HC2-SW-05-22-0822	05/22/2003	0822	<1	µg/l	
HC2 Dup	SW1173	05/22/2003	0822	<1	µg/l	
HC2	HC2-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
HC2	HC2-SW-06-19-0700	06/19/2003	0700	<1	µg/l	
HC2	HC2-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
HC2	HC2-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
HC2	HC2-SW-07-17-0700	07/17/2003	0700	<1	µg/l	
HC2	Not Sampled	07/31/2003	0700	--	--	Dry
HC2	HC2-SW-08-14-0700	08/14/2003	0700	<1	µg/l	
HC2	HC2-SW-08-28-0755	08/28/2003	0755	<1	µg/l	Dry; Sample collected from standing water

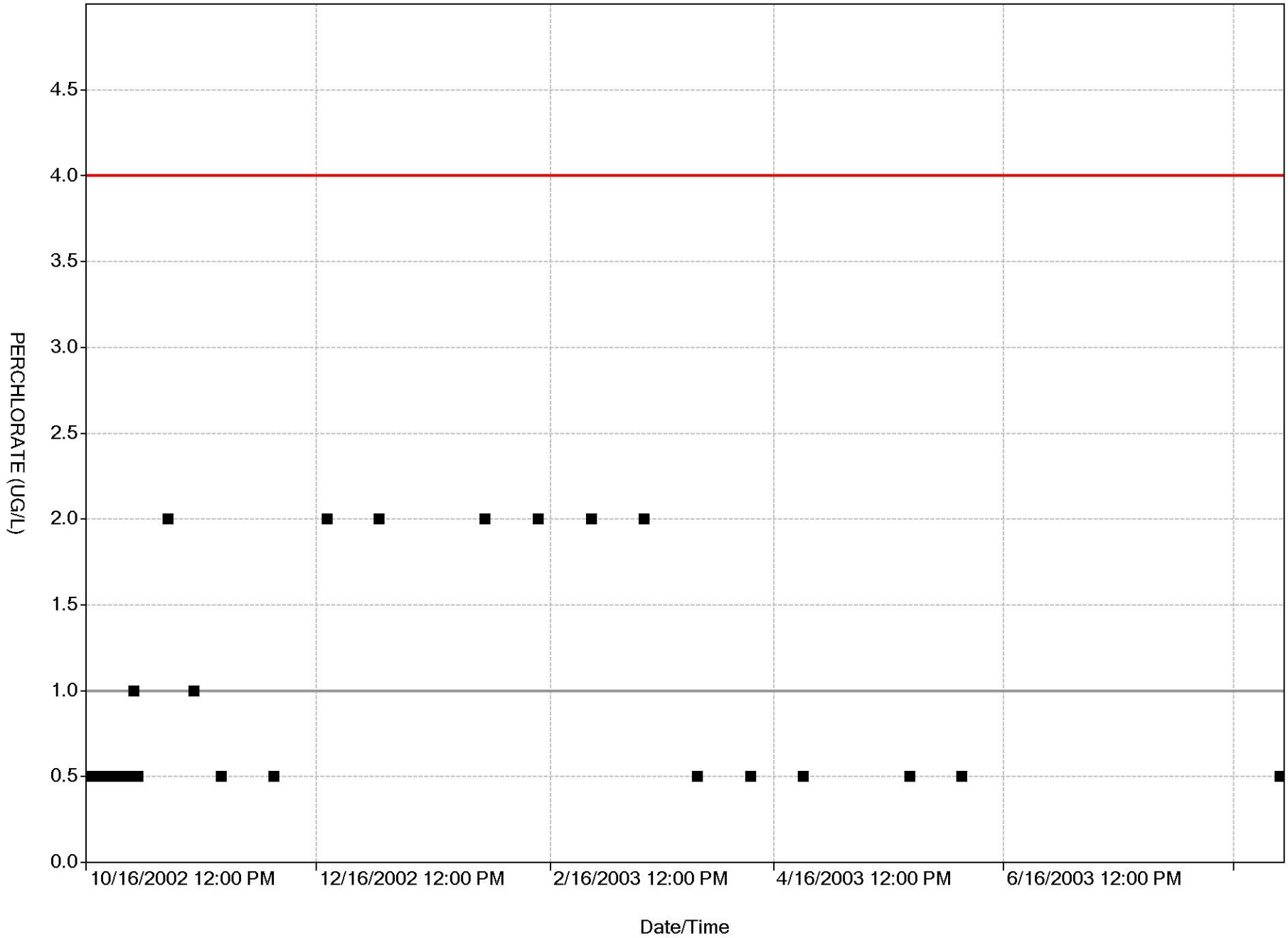
MONITORING STATION HC2 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

South Bosque River at Church Road (SBR3)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR3)	Min: 0.5	Max: 2.0	Avg: 0.88

MONITORING STATION SBR3 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	SBR3-SW-10-17-0700	10/17/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-18-0700	10/18/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-19-0700	10/19/2002	0700	<1	µg/l	>24 Hours
SBR3	SBR3-SW-10-20-0700	10/20/2002	0700	<1	µg/l	>24 Hours
SBR3	SBR3-SW-10-21-0700	10/21/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-24-0700	10/24/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-25-0700	10/25/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-26-0700	10/26/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-27-0700	10/27/2002	0700	<1	µg/l	
SBR3	SBR3-SW-10-28-0659	10/28/2002	0659	<1	µg/l	
SBR3	SBR3-SW-10-29-0700	10/29/2002	0700	**1 J**	µg/l	
SBR3	SBR3-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
SBR3	SBR3-SW-11-7-0700	11/07/2002	0700	**2 J**	µg/l	
SBR3	SBR3-SW-11-14-0700	11/14/2002	0700	**1 J**	µg/l	
SBR3	SBR3-SW-11-21-0700	11/21/2002	0700	<1	µg/l	
SBR3	SBR3-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
SBR3	SBR3-SW-12-19-0700	12/19/2002	0700	**2 J**	µg/l	
SBR3	SBR3-SW-01-02-0700	01/02/2003	0700	**2 J**	µg/l	
SBR3	Not Sampled	01/16/2003	0700	--	--	Equipment Error
SBR3	SBR3-SW-01-30-0700	01/30/2003	0700	**2 J**	µg/l	
SBR3	SBR3-SW-02-13-0700	02/13/2003	0700	**2 J**	µg/l	
SBR3	SBR3-SW-02-27-0700	02/27/2003	0700	**2 J**	µg/l	Sample Temp. = 8°C at Lab
SBR3	SBR3-SW-03-13-0700	03/13/2003	0700	**2 J**	µg/l	
SBR3	SBR3-SW-03-27-0700	03/27/2003	0700	<1	µg/l	Sample Temp. = 11°C at Lab
SBR3	SBR3-SW-04-10-1445	04/10/2003	1445	<1	µg/l	
SBR3	SBR3-SW-04-24-1308	04/24/2003	1308	<1	µg/l	
SBR3	SBR3-SW-05-22-1349	05/22/2003	1349	<1	µg/l	
SBR3	SBR3-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
SBR3	Not Sampled	06/19/2003	0700	--	--	Equipment Error
SBR3	Not Sampled	07/03/2003	0700	--	--	Equipment Error
SBR3	Not Sampled	07/17/2003	0700	--	--	Equipment Error
SBR3	Not Sampled	07/31/2003	0700	--	--	Equipment Error
SBR3	Not Sampled	08/14/2003	0700	--	--	Equipment error
SBR3	SBR3-SW-08-28-1320	08/28/2003	1320	<1	µg/l	Dry; Sample collected from standing water

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

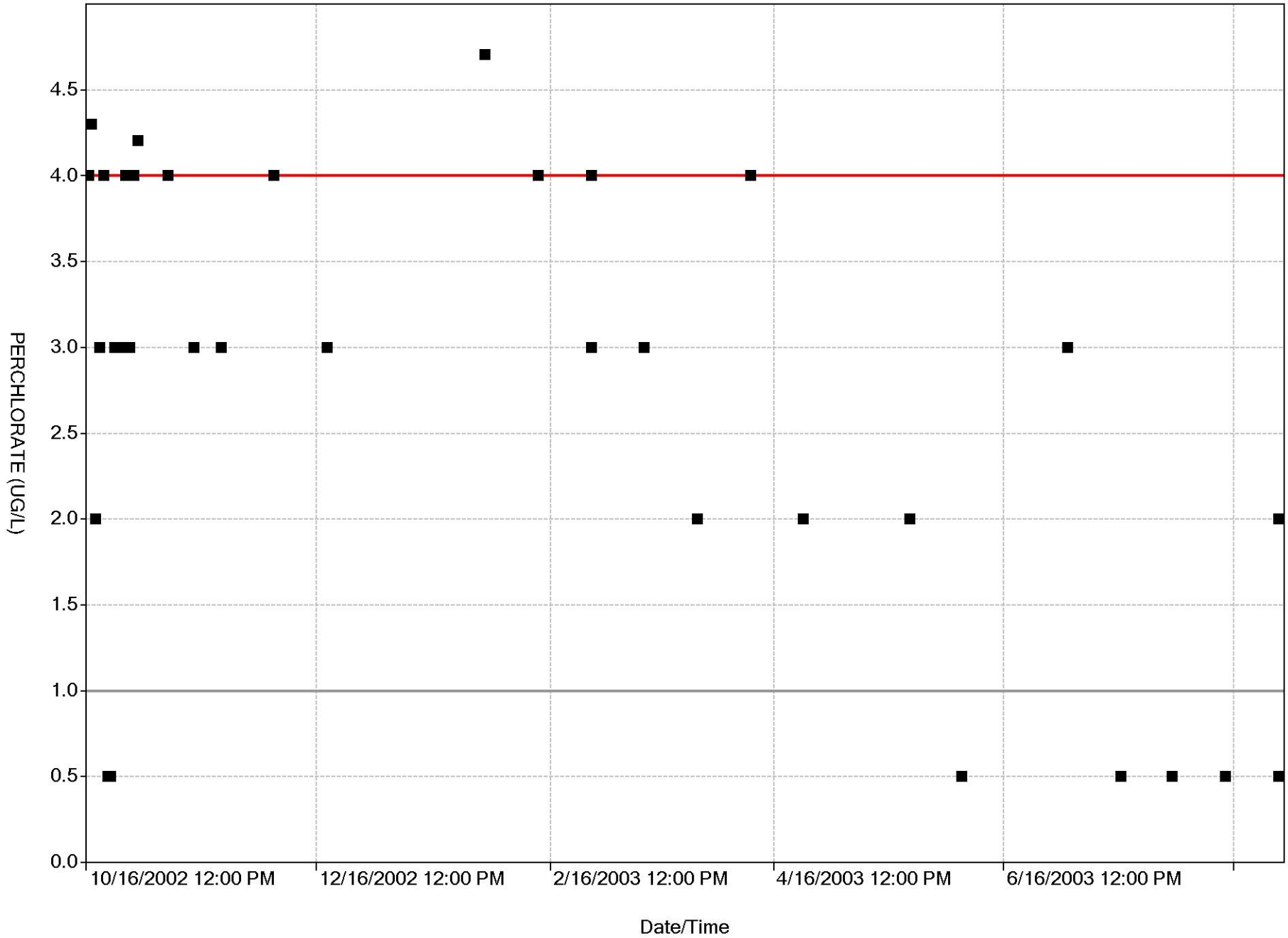
µg/l micrograms per liter.

-- Not applicable.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:27

South Bosque River at Indian Trail (SBR1)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (SBR1)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR1)	Min: 0.5	Max: 4.7	Avg: 2.73

MONITORING STATION SBR1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-10-17-0700	10/17/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-18-10-0700	10/18/2002	0700	**4.3**	µg/l	
SBR1	SBR1-SW-10-19-0700	10/19/2002	0700	**2 J**	µg/l	
SBR1	SBR1-SW-10-20-0700	10/20/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-10-21-0700	10/21/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SBR1	SBR1-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
SBR1	SBR1-SW-10-24-0700	10/24/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-10-25-0700	10/25/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-10-26-0700	10/26/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-10-27-0700	10/27/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-10-28-0700	10/28/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-10-29-0700	10/29/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-10-30-0700	10/30/2002	0700	**4.2**	µg/l	
SBR1	SBR1-SW-11-7-0700	11/07/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-11-14-0700	11/14/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-11-21-0700	11/21/2002	0700	**3 J**	µg/l	
SBR1	SBR1-SW-12-05-0700	12/05/2002	0700	**4**	µg/l	
SBR1	SBR1-SW-12-19-0700	12/19/2002	0700	**3 J**	µg/l	
SBR1	Not Sampled	01/02/2003	0700	--	--	Equipment Error
SBR1	Not Sampled	01/16/2003	0700	--	--	Equipment Error
SBR1	SBR1-SW-01-30-0700	01/30/2003	0700	**4.7**	µg/l	
SBR1	SBR1-SW-02-13-0700	02/13/2003	0700	**4**	µg/l	
SBR1	SBR1-SW-02-27-0700	02/27/2003	0700	**4**	µg/l	Sample Temp. = 8°C at Lab
SBR1 Dup	SW1047	02/27/2003	0700	**3 J**	µg/l	Sample Temp. = 8°C at Lab
SBR1	SBR1-SW-03-13-0700	03/13/2003	0700	**3 J**	µg/l	
SBR1	SBR1-SW-03-27-0700	03/27/2003	0700	**2 J**	µg/l	Sample Temp. = 11°C at Lab
SBR1	SBR1-SW-04-10-1345	04/10/2003	1345	**4.0**	µg/l	
SBR1	SBR1-SW-04-24-1154	04/24/2003	1154	**2 J**	µg/l	
SBR1	SBR1-SW-05-22-1150	05/22/2003	1150	**2 J**	µg/l	
SBR1	SBR1-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
SBR1	Not Sampled	06/19/2003	0700	--	--	Equipment Error
SBR1	SBR1-SW-07-03-0700	07/03/2003	0700	**3 J**	µg/l	
SBR1	SBR1-SW-07-17-0700	07/17/2003	0700	<1	µg/l	
SBR1	SBR1-SW-07-31-0700	07/31/2003	0700	<1	µg/l	
SBR1	SBR1-SW-08-14-0700	08/14/2003	0700	<1	µg/l	
SBR1 Dup	SW1187	08/28/2003	0700	**2 J**	µg/l	
SBR1	SBR1-SW-08-28-0700	08/28/2003	0700	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

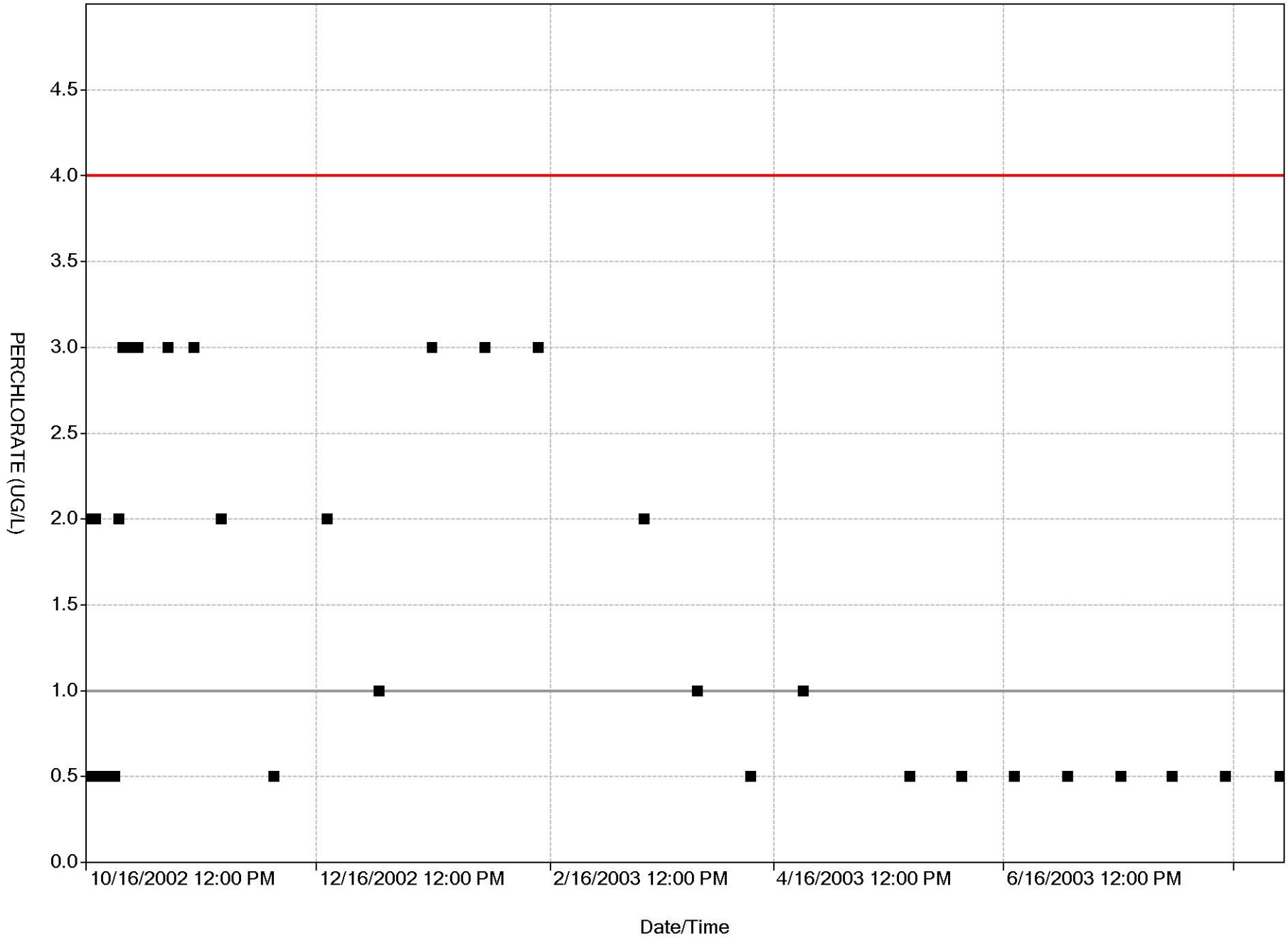
-- Not applicable.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:27

South Bosque River near Cotton Belt Parkway (SBR2)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (SBR2)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR2)	Min: 0.5	Max: 3.0	Avg: 1.51

MONITORING STATION SBR2 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2	SBR2-SW-10-17-0700	10/17/2002	0700	<1	µg/l	
SBR2	SBR2-SW-10-18-0700	10/18/2002	0700	**2 J**	µg/l	
SBR2	SBR2-SW-10-19-0700	10/19/2002	0700	**2 J**	µg/l	>24 Hours
SBR2	SBR2-SW-10-20-0700	10/20/2002	0700	<1	µg/l	>24 Hours
SBR2	SBR2-SW-10-21-0700	10/21/2002	0700	<1	µg/l	
SBR2	SBR2-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SBR2	SBR2-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
SBR2	SBR2-SW-10-24-0700	10/24/2002	0700	<1	µg/l	
SBR2	SBR2-SW-10-25-0700	10/25/2002	0700	**2 J**	µg/l	
SBR2	SBR2-SW-10-26-0700	10/26/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-10-27-0700	10/27/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-10-28-0659	10/28/2002	0659	**3 J**	µg/l	
SBR2	SBR2-SW-10-29-0700	10/29/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-10-30-0700	10/30/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-11-7-0700	11/07/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-11-14-0700	11/14/2002	0700	**3 J**	µg/l	
SBR2	SBR2-SW-11-21-0700	11/21/2002	0700	**2 J**	µg/l	
SBR2	SBR2-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
SBR2	SBR2-SW-12-19-0700	12/19/2002	0700	**2 J**	µg/l	
SBR2	SBR2-SW-01-02-0702	01/02/2003	0702	**1 J**	µg/l	
SBR2	SBR2-SW-01-16-0704	01/16/2003	0704	**3 J**	µg/l	
SBR2	SBR2-SW-01-30-0700	01/30/2003	0700	**3 J**	µg/l	
SBR2	SBR2-SW-02-13-0702	02/13/2003	0702	**3 J**	µg/l	
SBR2	Not Sampled	02/27/2003	0700	--	--	Equipment Error
SBR2	SBR2-SW-03-13-0700	03/13/2003	0700	**2 J**	µg/l	
SBR2	SBR2-SW-03-27-0700	03/27/2003	0700	**1 J**	µg/l	Sample Temp. = 11°C at Lab
SBR2	SBR2-SW-04-10-1409	04/10/2003	1409	<1	µg/l	
SBR2	SBR2-SW-04-24-1216	04/24/2003	1216	**1 J**	µg/l	
SBR2	SBR2-SW-05-22-1322	05/22/2003	1322	<1	µg/l	
SBR2	SBR2-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
SBR2	SBR2-SW-06-19-0700	06/19/2003	0700	<1	µg/l	
SBR2	SBR2-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
SBR2	SBR2-SW-07-17-0659	07/17/2003	0659	<1	µg/l	
SBR2	SBR2-SW-07-31-0659	07/31/2003	0659	<1	µg/l	
SBR2	SBR2-SW-08-14-0659	08/14/2003	0659	<1	µg/l	
SBR2	SBR2-SW-08-28-1255	08/28/2003	1255	<1	µg/l	Dry; Sample collected from standing water

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

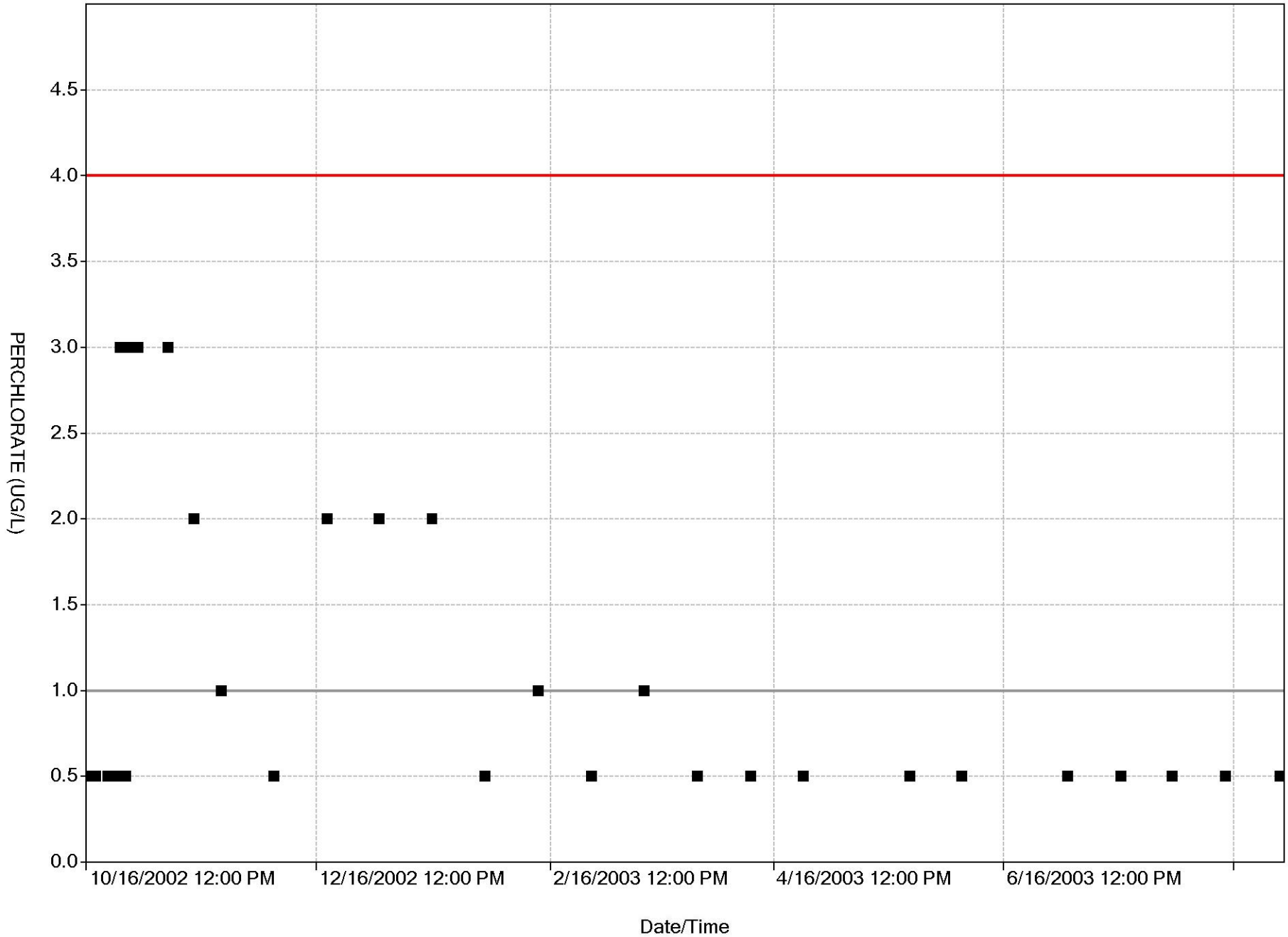
-- Not applicable.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:28

South Bosque River near Ruff Road (SBR4)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (SBR4)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR4)	Min: 0.5	Max: 3.0	Avg: 1.10

MONITORING STATION SBR4 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-17-10-0700	10/17/2002	0700	<1	µg/l	
SBR4	SBR4-SW-10-18-0700	10/18/2002	0700	<1	µg/l	
SBR4	SBR4-SW-10-19-0700	10/19/2002	0700	<1	µg/l	>24 Hours
SBR4	Not Sampled	10/19/2002	0700	--	--	Equipment Error
SBR4	Not Sampled	10/20/2002	0700	--	--	Equipment Error
SBR4	Not Sampled	10/21/2002	0700	--	--	Equipment Error
SBR4	SBR4-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
SBR4	SBR4-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
SBR4	SBR4-SW-10-24-0700	10/24/2002	0700	<1	µg/l	
SBR4	SBR4-SW-10-25-1250	10/25/2002	1250	**3 J**	µg/l	
SBR4	SBR4-SW-10-26-0700	10/26/2002	0700	**3 J**	µg/l	
SBR4	SBR4-SW-10-27-0700	10/27/2002	0700	<1	µg/l	
SBR4	Not Sampled	10/28/2002	0700	--	--	Equipment Error
SBR4	SBR4-SW-10-29-0700	10/29/2002	0700	**3 J**	µg/l	
SBR4	SBR4-SW-10-30-0700	10/30/2002	0700	**3 J**	µg/l	
SBR4	SBR4-SW-11-7-0700	11/07/2002	0700	**3 J**	µg/l	
SBR4	SBR4-SW-11-14-0700	11/14/2002	0700	**2 J**	µg/l	
SBR4	SBR4-SW-11-21-0700	11/21/2002	0700	**1 J**	µg/l	
SBR4	SBR4-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
SBR4	SBR4-SW-12-19-0700	12/19/2002	0700	**2 J**	µg/l	
SBR4 Dup	SW1036	12/19/2002	0700	**2 J**	µg/l	
SBR4	SBR4-SW-01-02-0700	01/02/2003	0700	**2 J**	µg/l	
SBR4	SBR4-SW-01-16-0700	01/16/2003	0700	**2 J**	µg/l	
SBR4	SBR4-SW-01-30-0700	01/30/2003	0700	<1	µg/l	
SBR4	SBR4-SW-02-13-0700	02/13/2003	0700	**1 J**	µg/l	
SBR4	SBR4-SW-02-27-0700	02/27/2003	0700	<1	µg/l	Sample Temp. = 8°C at Lab
SBR4 Dup	SW1048	02/27/2003	0700	<1	µg/l	Sample Temp. = 8°C at Lab
SBR4	SBR4-SW-03-13-0700	03/13/2003	0700	**1 J**	µg/l	
SBR4	SBR4-SW-03-27-0700	03/27/2003	0700	<1	µg/l	Sample Temp. = 11°C at Lab
SBR4	SBR4-SW-04-10-1435	04/10/2003	1435	<1	µg/l	
SBR4	SBR4-SW-04-24-1249	04/24/2003	1249	<1	µg/l	
SBR4	SBR4-SW-05-22-1337	05/22/2003	1337	<1	µg/l	
SBR4	SBR4-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
SBR4	SBR4-SW-06-19-0700	06/19/2003	0700	--	--	Sample Broken in Shipment
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
SBR4	SBR4-SW-07-17-0700	07/17/2003	0700	<1	µg/l	
SBR4	SBR4-SW-07-31-0700	07/31/2003	0700	<1	µg/l	
SBR4	SBR4-SW-08-14-0700	08/14/2003	0700	<1	µg/l	
SBR4 Dup	SW1188	08/28/2003	1300	<1	µg/l	Dry; Sample collected from standing water
SBR4	SBR4-SW-08-28-0700	08/28/2003	1300	<1	µg/l	Dry; Sample collected from standing water

MONITORING STATION SBR4 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

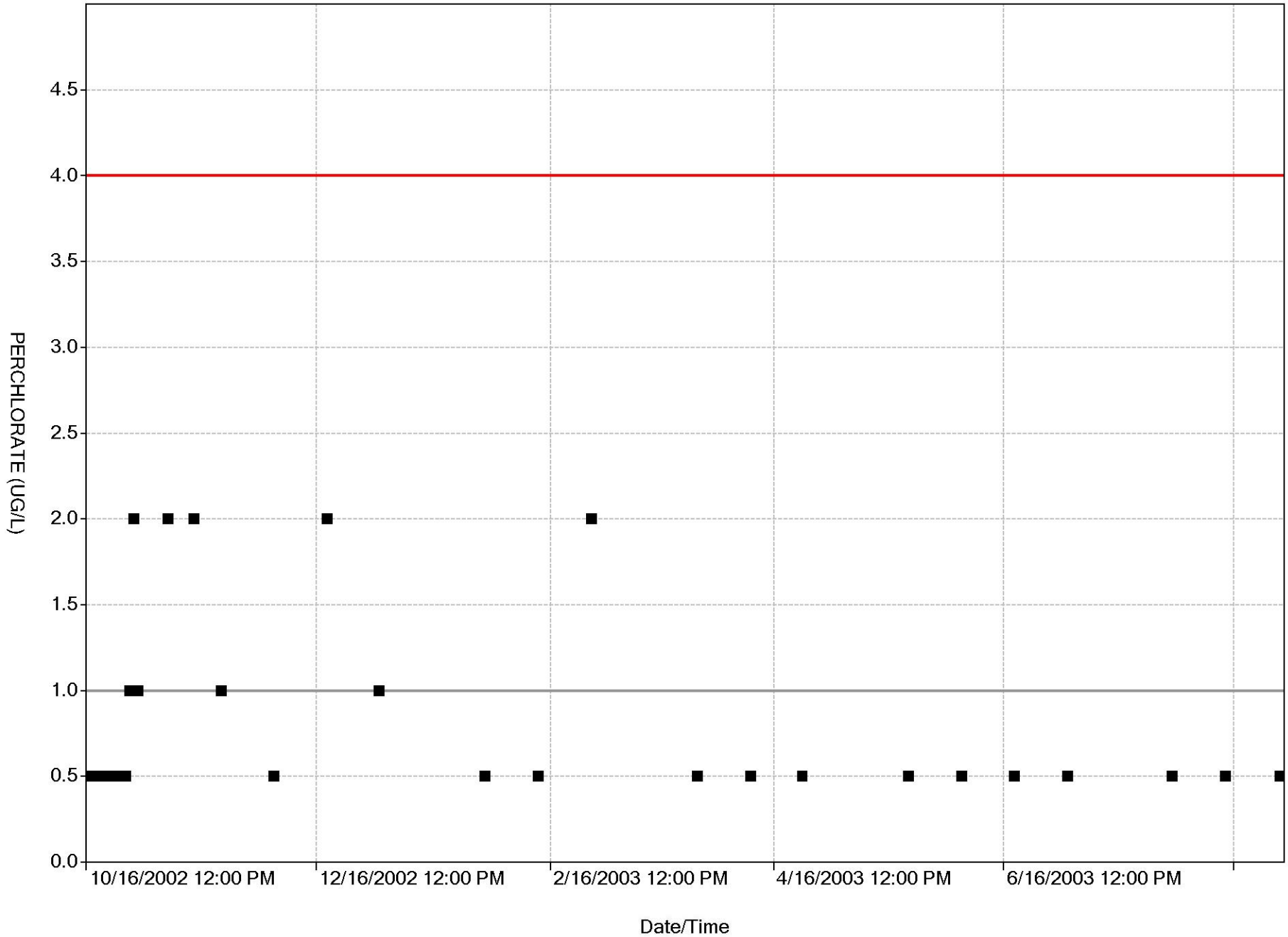
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:34

South Bosque River at 84 (SBR5)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (SBR5)

Stats:

Min: 4	Max: 4	Avg: 4.0
Min: 1	Max: 1	Avg: 1.0
Min: 0.5	Max: 2.0	Avg: 0.81

MONITORING STATION SBR5 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	SBR5-SW-10-17-0700	10/17/2002	0700	<1	µg/l	
SBR5	SBR5-SW-10-18-0659	10/18/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-19-0659	10/19/2002	0659	<1	µg/l	>24 Hours
SBR5	SBR5-SW-10-20-0659	10/20/2002	0659	<1	µg/l	>24 Hours
SBR5	SBR5-SW-10-21-0659	10/21/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-22-0659	10/22/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-23-0659	10/23/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-24-0659	10/24/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-25-0659	10/25/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-26-0659	10/26/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-27-0659	10/27/2002	0659	<1	µg/l	
SBR5	SBR5-SW-10-28-0659	10/28/2002	0659	**1 J**	µg/l	
SBR5	SBR5-SW-10-29-0700	10/29/2002	0700	**2 J**	µg/l	
SBR5	SBR5-SW-10-30-0700	10/30/2002	0700	**1 J**	µg/l	
SBR5	SBR5-SW-11-7-0700	11/07/2002	0700	**2 J**	µg/l	
SBR5	SBR5-SW-11-14-0700	11/14/2002	0700	**2 J**	µg/l	
SBR5	SBR5-SW-11-21-0700	11/21/2002	0700	**1 J**	µg/l	
SBR5	SBR5-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
SBR5	SBR5-SW-12-19-0700	12/19/2002	0700	**2 J**	µg/l	
SBR5 Dup	SW1037	12/19/2002	0700	**2 J**	µg/l	
SBR5	SBR5-SW-01-02-0702	01/02/2003	0702	**1 J**	µg/l	
SBR5	Not Sampled	01/16/2003	0700	--	--	Equipment Error
SBR5	SBR5-SW-01-30-0659	01/30/2003	0659	<1	µg/l	
SBR5	SBR5-SW-02-13-0659	02/13/2003	0659	<1	µg/l	
SBR5	SBR5-SW-02-27-0659	02/27/2003	0659	**2 J**	µg/l	Sample Temp. = 8°C at Lab
SBR5	Not Sampled	03/13/2003	0700	--	--	Equipment Error
SBR5	SBR5-SW-03-27-0700	03/27/2003	0700	<1	µg/l	Sample Temp. = 11°C at Lab
SBR5	SBR5-SW-04-10-0815	04/10/2003	0815	<1	µg/l	
SBR5	SBR5-SW-04-24-0724	04/24/2003	0724	<1	µg/l	
SBR5	SBR5-SW-05-22-0757	05/22/2003	0757	<1	µg/l	
SBR5	SBR5-SW-06-05-0659	06/05/2003	0659	<1	µg/l	
SBR5	SBR5-SW-06-19-0659	06/19/2003	0659	<1	µg/l	
SBR5 Dup	SW1177	06/19/2003	0659	<1	µg/l	
SBR5	SBR5-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
SBR5	Not Sampled	07/17/2003	0700	--	--	Equipment Error
SBR5	SBR5-SW-07-31-0658	07/31/2003	0658	<1	µg/l	
SBR5	SBR5-SW-08-14-0730	08/14/2003	0730	<1	µg/l	
SBR5	SBR5-SW-08-28-1345	08/28/2003	1345	<1	µg/l	Dry; Sample collected from standing water

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

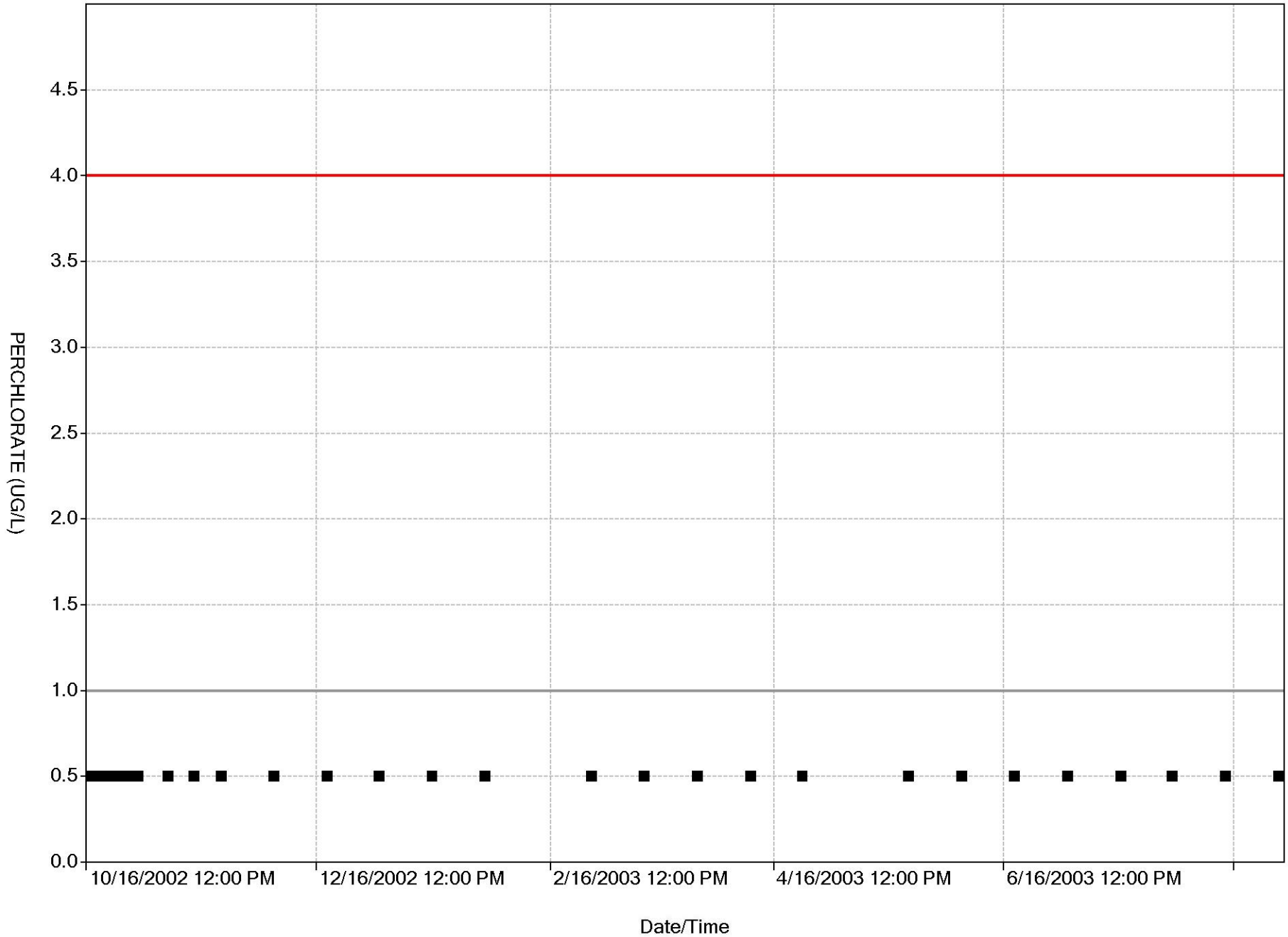
-- Not applicable.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2004/02/09 09:27

Middle Bosque River downstream of Intersection of South Bosque (MBR1)
Biweekly Perchlorate Data vs Time



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (MBR1)	Min: 0.5	Max: 0.5	Avg: 0.50

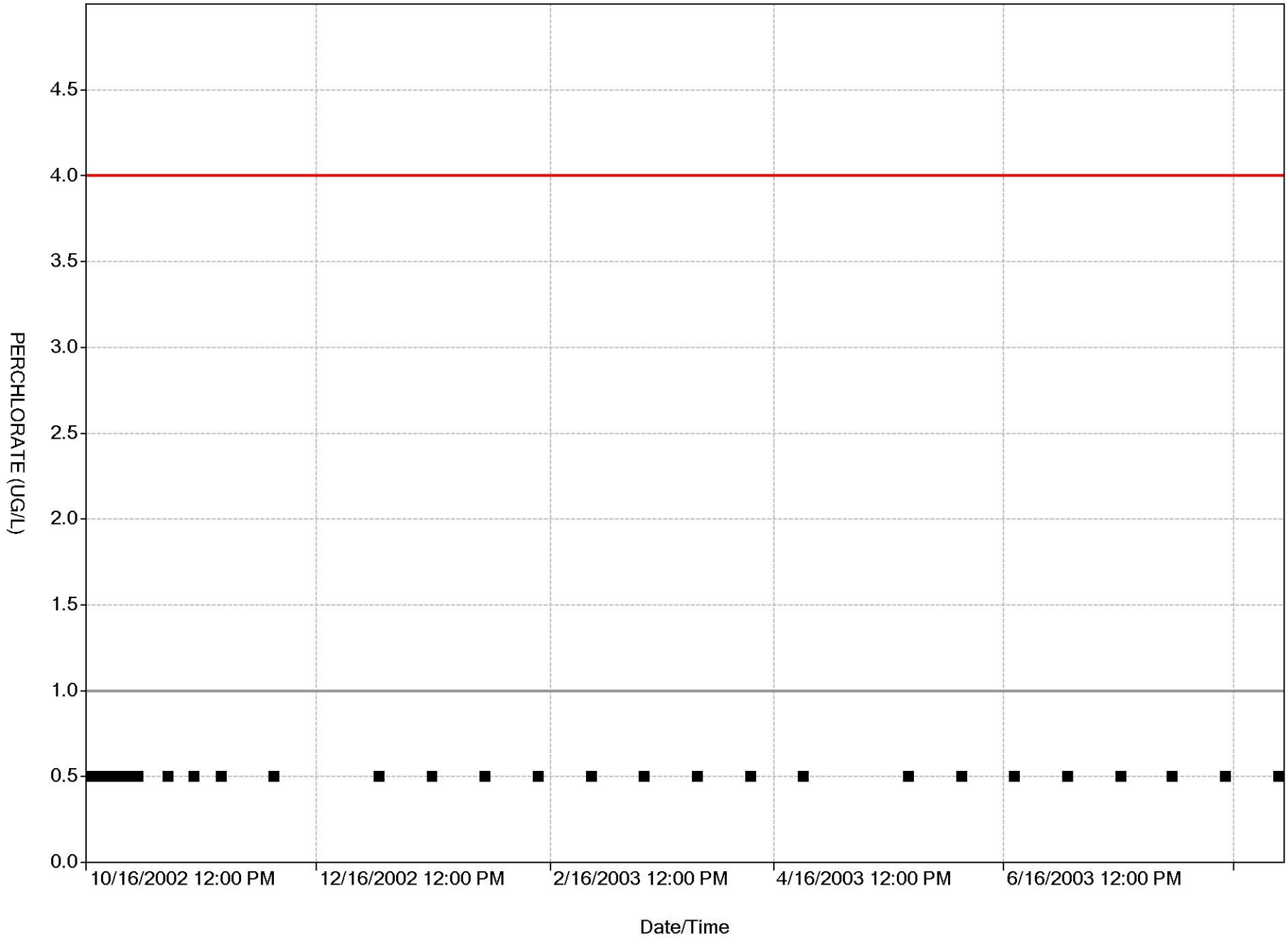
MONITORING STATION MBR1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-17-10-0700	10/17/2002	0700	<1	µg/l	
MBR1	Not Sampled	10/18/2002	0700	--	--	Equipment Error
MBR1	MBR1-SW-10-19-0700	10/19/2002	0700	<1	µg/l	>24 Hours
MBR1	MBR1-SW-10-20-0700	10/20/2002	0700	<1	µg/l	>24 Hours
MBR1	MBR1-SW-10-21-0700	10/21/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-22-0700	10/22/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-23-0700	10/23/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-24-0700	10/24/2002	0701	<1	µg/l	
MBR1	MBR1-SW-10-25-0700	10/25/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-26-0700	10/26/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-27-0701	10/27/2002	0701	<1	µg/l	
MBR1	MBR1-SW-10-28-0700	10/28/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-29-0700	10/29/2002	0700	<1	µg/l	
MBR1	MBR1-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
MBR1	MBR1-SW-11-7-0701	11/07/2002	0701	<1	µg/l	
MBR1	MBR1-SW-11-14-0701	11/14/2002	0701	<1	µg/l	
MBR1	MBR1-SW-11-21-0701	11/21/2002	0701	<1	µg/l	
MBR1	MBR1-SW-12-05-0701	12/05/2002	0701	<1	µg/l	
MBR1	MBR1-SW-12-19-0701	12/19/2002	0701	<1	µg/l	
MBR1	MBR1-SW-01-02-0701	01/02/2003	0701	<1	µg/l	
MBR1	MBR1-SW-01-16-0702	01/16/2003	0702	<1	µg/l	
MBR1	MBR1-SW-01-30-0703	01/30/2003	0703	<1	µg/l	
MBR1	Not Sampled	02/13/2003	0700	--	--	Equipment Error
MBR1	MBR1-SW-02-27-0700	02/27/2003	0700	<1	µg/l	Sample Temp. = 8°C at Lab
MBR1	MBR1-SW-03-13-0702	03/13/2003	0702	<1	µg/l	
MBR1	MBR1-SW-03-27-0702	03/27/2003	0702	<1	µg/l	Sample Temp. = 11°C at Lab
MBR1	MBR1-SW-04-10-0759	04/10/2003	0759	<1	µg/l	
MBR1	MBR1-SW-04-24-0706	04/24/2003	0706	<1	µg/l	
MBR1	MBR1-SW-05-22-0732	05/22/2003	0732	<1	µg/l	
MBR1	MBR1-SW-06-05-0700	06/05/2003	0700	<1	µg/l	
MBR1	MBR1-SW-06-19-0701	06/19/2003	0701	<1	µg/l	
MBR1	MBR1-SW-07-03-0700	07/03/2003	0700	<1	µg/l	
MBR1	MBR1-SW-07-17-0701	07/17/2003	0701	<1	µg/l	
MBR1	MBR1-SW-07-31-0701	07/31/2003	0701	<1	µg/l	
MBR1	MBR1-SW-08-14-0701	08/14/2003	0701	<1	µg/l	
MBR1 Dup	SW1186	08/14/2003	0701	<1	µg/l	
MBR1	MBR1-SW-08-28-0702	08/28/2003	0702	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2004/02/09 09:22

Cowhouse Creek at Tank Destroyer Road (CHC1)
Biweekly Perchlorate Data vs Time



Legend:
- REPORTING LIMIT
- METHOD DETECTION LIMIT
- PERCHLORATE DATA (CHC1)

Stats:

REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (CHC1)	Min: 0.5	Max: 0.5	Avg: 0.50

MONITORING STATION CHC1 BIWEEKLY WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

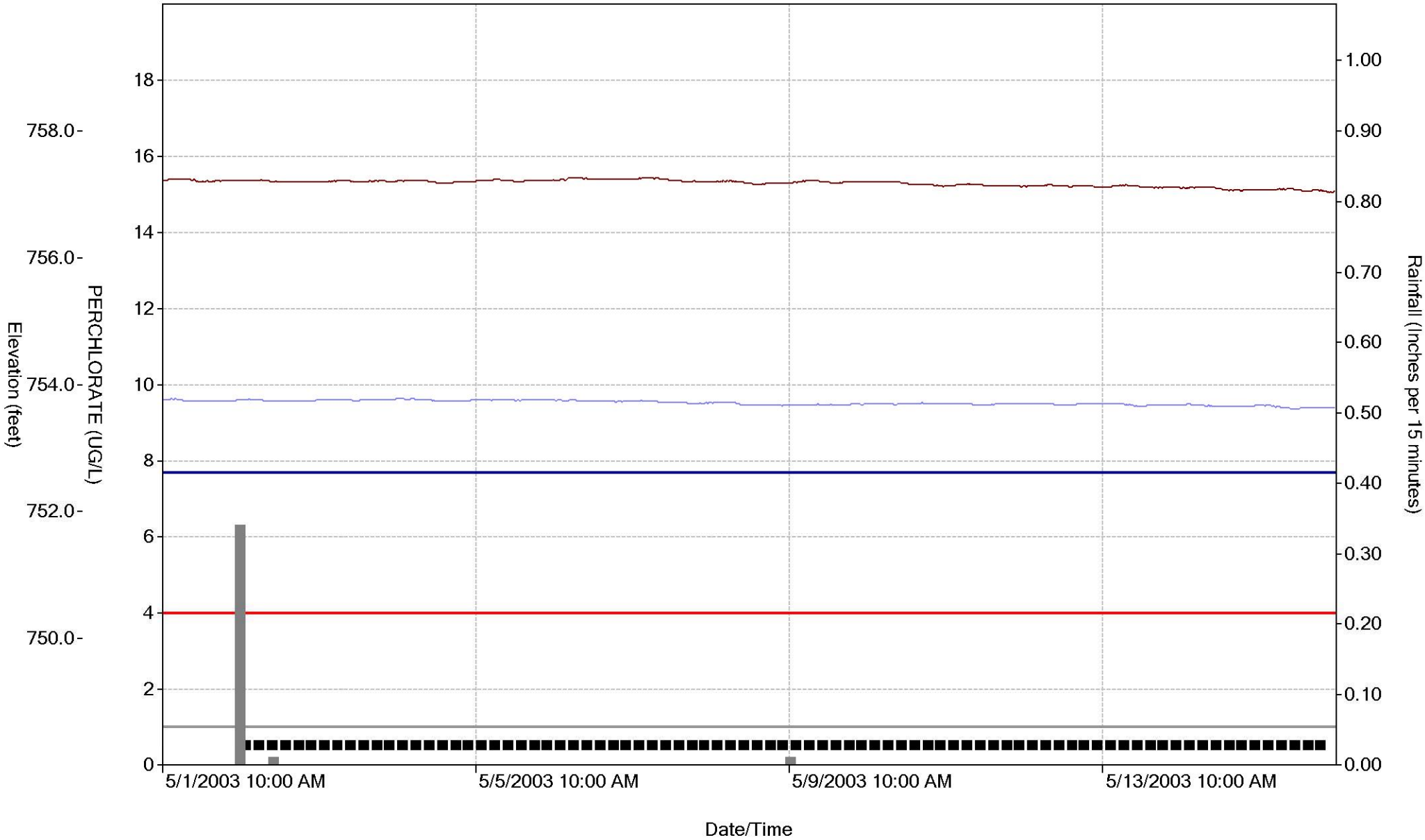
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-17-10-0701	10/17/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-18-0701	10/18/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-19-0701	10/19/2002	0701	<1	µg/l	>24 Hours
CHC1	CHC1-SW-10-20-0701	10/20/2002	0701	<1	µg/l	>24 Hours
CHC1	CHC1-SW-10-21-0701	10/21/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-22-0701	10/22/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-23-0701	10/23/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-24-0701	10/24/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-25-0701	10/25/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-26-0701	10/26/2002	0701	<1	µg/l	
CHC1	CHC1-SW-10-27-0700	10/27/2002	0700	<1	µg/l	
CHC1	CHC1-SW-10-28-0700	10/28/2002	0700	<1	µg/l	
CHC1	CHC1-SW-10-29-0700	10/29/2002	0700	<1	µg/l	
CHC1	CHC1-SW-10-30-0700	10/30/2002	0700	<1	µg/l	
CHC1	CHC1-SW-11-7-0700	11/07/2002	0700	<1	µg/l	
CHC1	CHC1-SW-11-14-0700	11/14/2002	0700	<1	µg/l	
CHC1	CHC1-SW-11-21-0700	11/21/2002	0700	<1	µg/l	
CHC1	CHC1-SW-12-05-0700	12/05/2002	0700	<1	µg/l	
CHC1	CHC1-SW-12-19-0700	12/19/2002	0700	--	--	Sample Broken in Shipment
CHC1	CHC1-SW-01-02-0659	01/02/2003	0659	<1	µg/l	
CHC1	CHC1-SW-01-16-0659	01/16/2003	0659	<1	µg/l	
CHC1	CHC1-SW-01-30-0659	01/30/2003	0659	<1	µg/l	
CHC1	CHC1-SW-02-13-0659	02/13/2003	0659	<1	µg/l	
CHC1	CHC1-SW-02-27-0659	02/27/2003	0659	<1	µg/l	Sample Temp. = 8°C at Lab
CHC1	CHC1-SW-03-13-0659	03/13/2003	0659	<1	µg/l	
CHC1	CHC1-SW-03-27-0659	03/27/2003	0659	<1	µg/l	Sample Temp. = 11°C at Lab
CHC1	CHC1-SW-04-10-1130	04/10/2003	1130	<1	µg/l	
CHC1	CHC1-SW-04-24-1023	04/24/2003	1023	<1	µg/l	
CHC1	CHC1-SW-05-22-1025	05/22/2003	1025	<1	µg/l	
CHC1	CHC1-SW-06-05-0659	06/05/2003	0659	<1	µg/l	
CHC1	CHC1-SW-06-19-0701	06/19/2003	0659	<1	µg/l	
CHC1	CHC1-SW-07-03-0659	07/03/2003	0659	<1	µg/l	
CHC1	CHC1-SW-07-03-0659	07/03/2003	0659	<1	µg/l	
CHC1 Dup	SW1180	07/03/2003	0659	<1	µg/l	
CHC1	CHC1-SW-07-17-0659	07/17/2003	0659	<1	µg/l	
CHC1	CHC1-SW-07-31-0659	07/31/2003	0659	<1	µg/l	
CHC1	CHC1-SW-08-14-0659	08/14/2003	0659	<1	µg/l	
CHC1	CHC1-SW-08-28-0659	08/28/2003	0659	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

Appendix F

STORM SAMPLING PERCHLORATE DATA VS TIME (MAY 2, 2003 TO MAY 16, 2003)

Station Creek at A&M Property (SC1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall (SC-3/OC-1 data used 8/18/03 to 10/20/03 due to equipment error)	Min: 0.00	Max: 0.34	Avg: < 0.0005
Corrected Surface Elevation	Min: 753.62	Max: 753.78	Avg: 753.709
Corrected Groundwater Elevation (SC-1 and TRM-1 share one well)	Min: 757.03	Max: 757.26	Avg: 757.167
Bottom of Stream at Bubbler	Min: 752.61	Max: 752.61	Avg: 752.610

FIRST STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	SC1-SW-05-02-0947	05/02/2003	0947	<1	µg/l	>24 Hours
SC1	SC1-SW-05-02-1131	05/02/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-02-1531	05/02/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-02-1931	05/02/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-02-2331	05/02/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-0331	05/03/2003	0331	<1	µg/l	>24 Hours
SC1 Dup	SW1065	05/03/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-0731	05/03/2003	0731	<1	µg/l	>24 Hours
SC1 Dup	SW1084	05/03/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-1131	05/03/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-1531	05/03/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-1931	05/03/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-03-2331	05/03/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-04-0331	05/04/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-04-0731	05/04/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-04-1131	05/04/2003	1131	<1	µg/l	
SC1 Dup	SW1085	05/04/2003	1131	<1	µg/l	
SC1	SC1-SW-05-04-1531	05/04/2003	1531	<1	µg/l	
SC1	SC1-SW-05-04-1931	05/04/2003	1931	<1	µg/l	
SC1	SC1-SW-05-04-2331	05/04/2003	2331	<1	µg/l	
SC1	SC1-SW-05-05-0331	05/05/2003	0331	<1	µg/l	
SC1	SC1-SW-05-05-0731	05/05/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-05-1131	05/05/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-05-1531	05/05/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-05-1931	05/05/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-05-2331	05/05/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-06-0331	05/06/2003	0331	<1	µg/l	>24 Hours
SC1 Dup	SW1091	05/06/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-06-0731	05/06/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-06-1131	05/06/2003	1131	<1	µg/l	
SC1	SC1-SW-05-06-1531	05/06/2003	1531	<1	µg/l	
SC1	SC1-SW-05-06-1931	05/06/2003	1931	<1	µg/l	
SC1	SC1-SW-05-06-2331	05/06/2003	2331	<1	µg/l	
SC1	SC1-SW-05-07-0331	05/07/2003	0331	<1	µg/l	
SC1	SC1-SW-05-07-0731	05/07/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-07-1131	05/07/2003	1131	<1	µg/l	>24 Hours
SC1 Dup	SW1108	05/07/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-07-1531	05/07/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-07-1931	05/07/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-07-2331	05/07/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-08-0331	05/08/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-08-0731	05/08/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-08-1131	05/08/2003	1131	<1	µg/l	
SC1	SC1-SW-05-08-1531	05/08/2003	1531	<1	µg/l	

FIRST STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

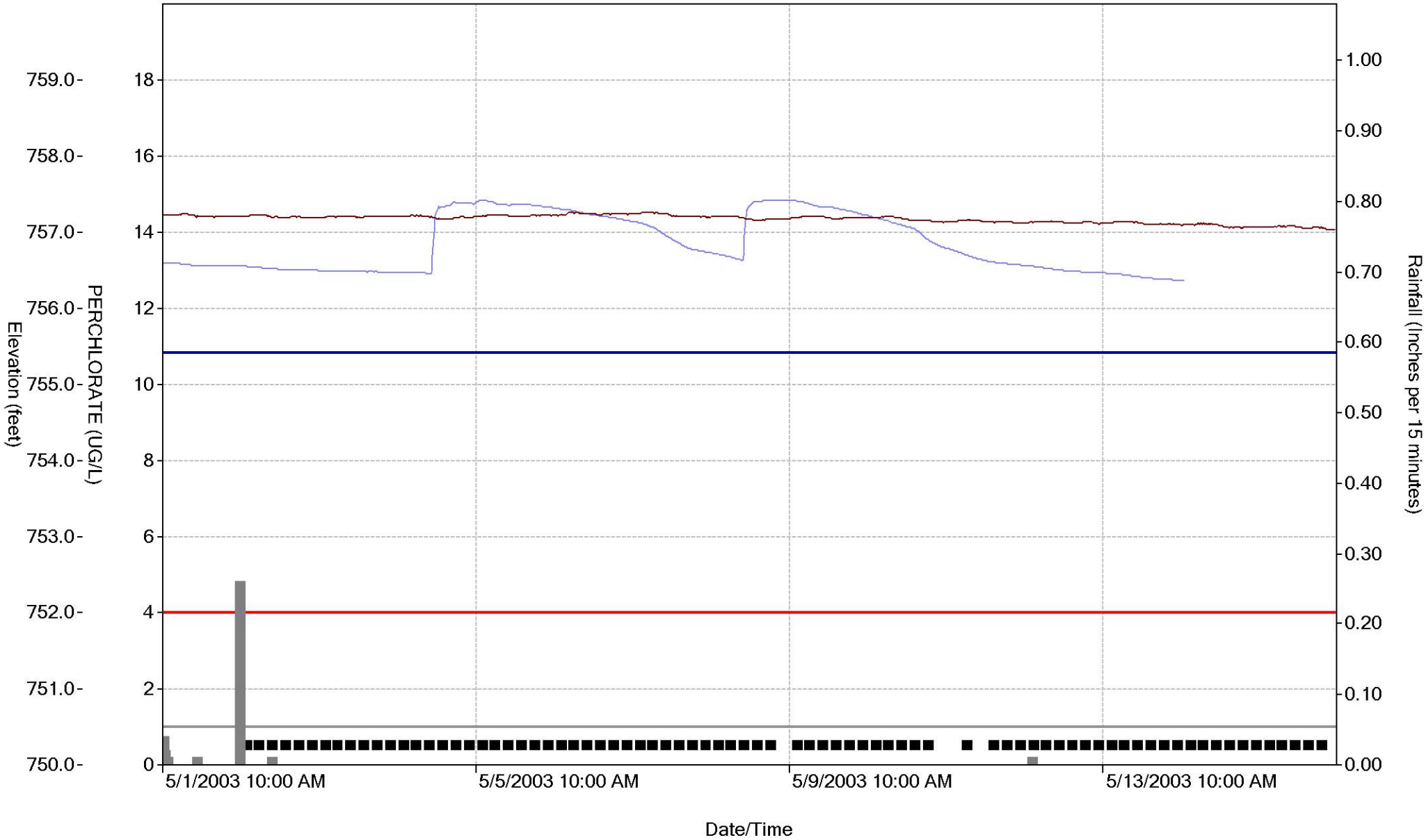
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	SC1-SW-05-08-1931	05/08/2003	1931	<1	µg/l	
SC1	SC1-SW-05-08-2331	05/08/2003	2331	<1	µg/l	
SC1 Dup	SW1109	05/08/2003	2331	<1	µg/l	
SC1	SC1-SW-05-09-0331	05/09/2003	0331	<1	µg/l	
SC1	SC1-SW-05-09-0731	05/09/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-09-1131	05/09/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-09-1531	05/09/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-09-1931	05/09/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-09-2331	05/09/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-0331	05/10/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-0731	05/10/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-1131	05/10/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-1531	05/10/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-1931	05/10/2003	1931	<1	µg/l	>24 Hours
SC1 Dup	SW1128	05/10/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-10-2331	05/10/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-11-0331	05/11/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-11-0731	05/11/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-11-1131	05/11/2003	1131	<1	µg/l	
SC1	SC1-SW-05-11-1531	05/11/2003	1531	<1	µg/l	
SC1	SC1-SW-05-11-1931	05/11/2003	1931	<1	µg/l	
SC1	SC1-SW-05-11-2331	05/11/2003	2331	<1	µg/l	
SC1	SC1-SW-05-12-0331	05/12/2003	0331	<1	µg/l	
SC1	SC1-SW-05-12-0731	05/12/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-12-1131	05/12/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-12-1531	05/12/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-12-1931	05/12/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-12-2331	05/12/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-13-0331	05/13/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-13-0731	05/13/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-13-1131	05/13/2003	1131	<1	µg/l	
SC1	SC1-SW-05-13-1531	05/13/2003	1531	<1	µg/l	
SC1	SC1-SW-05-13-1931	05/13/2003	1931	<1	µg/l	
SC1 Dup	SW1148	05/13/2003	1931	<1	µg/l	
SC1	SC1-SW-05-13-2331	05/13/2003	2331	<1	µg/l	
SC1	SC1-SW-05-14-0331	05/14/2003	0331	<1	µg/l	
SC1	SC1-SW-05-14-0731	05/14/2003	0731	<1	µg/l	>24 Hours
SC1	SC1-SW-05-14-1131	05/14/2003	1131	<1	µg/l	>24 Hours
SC1	SC1-SW-05-14-1531	05/14/2003	1531	<1	µg/l	>24 Hours
SC1	SC1-SW-05-14-1931	05/14/2003	1931	<1	µg/l	>24 Hours
SC1	SC1-SW-05-14-2331	05/14/2003	2331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-15-0331	05/15/2003	0331	<1	µg/l	>24 Hours
SC1	SC1-SW-05-15-0731	05/15/2003	0731	<1	µg/l	
SC1	SC1-SW-05-15-1131	05/15/2003	1131	<1	µg/l	

FIRST STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	SC1-SW-05-15-1531	05/15/2003	1531	<1	µg/l	
SC1	SC1-SW-05-15-1931	05/15/2003	1931	<1	µg/l	
SC1 Dup	SW1163	05/15/2003	1931	<1	µg/l	
SC1	SC1-SW-05-15-2331	05/15/2003	2331	<1	µg/l	
SC1	SC1-SW-05-16-0331	05/16/2003	0331	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
Dup Duplicate.

Tributary M at A&M property (TRM1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (TRM1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall (SC-3/OC-1 data used 8/18/03 to 10/20/03 due to equipment error)	Min: 0.00	Max: 0.26	Avg: < 0.0005
Corrected Surface Elevation	Min: 756.36	Max: 757.42	Avg: 756.843
Corrected Groundwater Elevation (SC-1 and TRM-1 share one well)	Min: 757.03	Max: 757.26	Avg: 757.167
Bottom of Stream at Bubbler	Min: 755.41	Max: 755.41	Avg: 755.410

FIRST STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	TRM1-SW-05-02-0954	05/02/2003	0954	<1	µg/l	>24 Hours
TRM1 Dup	SW1082	05/02/2003	0954	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-02-1140	05/02/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-02-1540	05/02/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-02-1940	05/02/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-02-2340	05/02/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-0340	05/03/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-0740	05/03/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-1140	05/03/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-1540	05/03/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-1940	05/03/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-03-2340	05/03/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-04-0340	05/04/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-04-0740	05/04/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-04-1140	05/04/2003	1140	<1	µg/l	
TRM1	TRM1-SW-05-04-1540	05/04/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-04-1940	05/04/2003	1940	<1	µg/l	
TRM1	TRM1-SW-05-04-2340	05/04/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-05-0340	05/05/2003	0340	<1	µg/l	
TRM1 Dup	SW1083	05/05/2003	0340	<1	µg/l	
TRM1	TRM1-SW-05-05-0740	05/05/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-05-1140	05/05/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-05-1540	05/05/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-05-1940	05/05/2003	1940	<1	µg/l	>24 Hours
TRM1 Dup	SW1092	05/05/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-05-2340	05/05/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-06-0340	05/06/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-06-0740	05/06/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-06-1140	05/06/2003	1140	<1	µg/l	
TRM1	TRM1-SW-05-06-1540	05/06/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-06-1940	05/06/2003	1940	<1	µg/l	
TRM1	TRM1-SW-05-06-2340	05/06/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-07-0340	05/07/2003	0340	<1	µg/l	
TRM1	TRM1-SW-05-07-0740	05/07/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-07-1140	05/07/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-07-1540	05/07/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-07-1940	05/07/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-07-2340	05/07/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-08-0340	05/08/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-08-0740	05/08/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-08-1140	05/08/2003	1140	<1	µg/l	
TRM1	TRM1-SW-05-08-1540	05/08/2003	1540	<1	µg/l	
TRM1 Dup	SW1110	05/08/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-08-1940	05/08/2003	1940	<1	µg/l	

FIRST STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	TRM1-SW-05-08-2340	05/08/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-09-0340	05/09/2003	0340	<1	µg/l	
TRM1	TRM1-SW-05-09-0740	05/09/2003	0740	--	--	>24 hours; Sample Broken in Shipment
TRM1	TRM1-SW-05-09-1140	05/09/2003	1140	<1	µg/l	>24 Hours
TRM1 Dup	SW1129	05/09/2003	1140	--	--	>24 hours; Sample Broken in Shipment
TRM1	TRM1-SW-05-09-1540	05/09/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-09-1940	05/09/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-09-2340	05/09/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-0340	05/10/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-0740	05/10/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-1140	05/10/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-1540	05/10/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-1940	05/10/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-10-2340	05/10/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-11-0340	05/11/2003	0340	--	--	>24 hours; Sample Broken in Shipment
TRM1 Dup	SW1130	05/11/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-11-0740	05/11/2003	0740	--	--	>24 hours; Sample Broken in Shipment
TRM1	TRM1-SW-05-11-1140	05/11/2003	1140	--	--	Sample Broken in Shipment
TRM1	TRM1-SW-05-11-1540	05/11/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-11-1940	05/11/2003	1940	--	--	Sample Broken in Shipment
TRM1	TRM1-SW-05-11-2340	05/11/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-12-0340	05/12/2003	0340	<1	µg/l	
TRM1	TRM1-SW-05-12-0740	05/12/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-12-1140	05/12/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-12-1540	05/12/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-12-1940	05/12/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-12-2340	05/12/2003	2340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-13-0340	05/13/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-13-0740	05/13/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-13-1140	05/13/2003	1140	<1	µg/l	
TRM1 Dup	SW1149	05/13/2003	1140	<1	µg/l	
TRM1	TRM1-SW-05-13-1540	05/13/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-13-1940	05/13/2003	1940	<1	µg/l	
TRM1	TRM1-SW-05-13-2340	05/13/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-14-0340	05/14/2003	0340	<1	µg/l	
TRM1	TRM1-SW-05-14-0740	05/14/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-14-1140	05/14/2003	1140	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-14-1540	05/14/2003	1540	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-14-1940	05/14/2003	1940	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-14-2340	05/14/2003	2340	<1	µg/l	>24 Hours

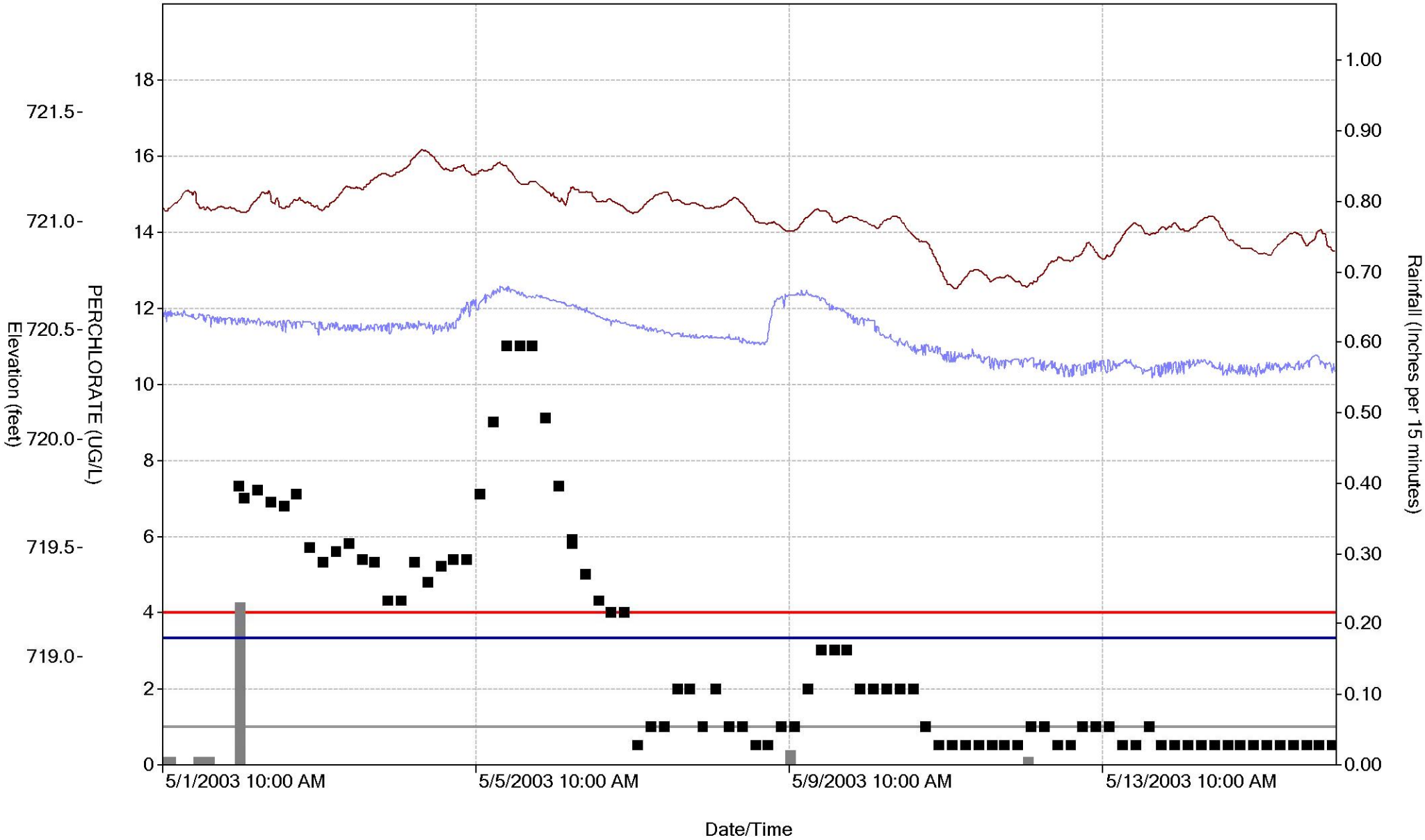
FIRST STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	TRM1-SW-05-15-0340	05/15/2003	0340	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-15-0740	05/15/2003	0740	<1	µg/l	>24 Hours
TRM1	TRM1-SW-05-15-1140	05/15/2003	1140	<1	µg/l	
TRM1 Dup	SW1164	05/15/2003	1140	<1	µg/l	
TRM1	TRM1-SW-05-15-1540	05/15/2003	1540	<1	µg/l	
TRM1	TRM1-SW-05-15-1940	05/15/2003	1940	<1	µg/l	
TRM1	TRM1-SW-05-15-2340	05/15/2003	2340	<1	µg/l	
TRM1	TRM1-SW-05-16-0340	05/16/2003	0340	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/31 13:50

Station Creek at 107(SC3)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC3)	Min: 0.5	Max: 11.0	Avg: 2.87
Rainfall	Min: 0.00	Max: 0.23	Avg: < 0.0005
Corrected Surface Elevation	Min: 720.28	Max: 720.70	Avg: 720.474
Corrected Groundwater Elevation	Min: 720.69	Max: 721.33	Avg: 721.017
Bottom of Stream at Bubbler	Min: 719.08	Max: 719.08	Avg: 719.080

FIRST STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	SC3-SW-05-02-0935	05/02/2003	0935	**7.3**	µg/l	>24 Hours
SC3	SC3-SW-05-02-1104	05/02/2003	1104	**7**	µg/l	>24 Hours
SC3	SC3-SW-05-02-1504	05/02/2003	1504	**7.2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-02-1904	05/02/2003	1904	**6.9**	µg/l	>24 Hours
SC3	SC3-SW-05-02-2304	05/02/2003	2304	**6.8**	µg/l	>24 Hours
SC3	SC3-SW-05-03-0304	05/03/2003	0304	**7.1**	µg/l	>24 Hours
SC3	SC3-SW-05-03-0704	05/03/2003	0704	**5.7**	µg/l	>24 Hours
SC3	SC3-SW-05-03-1104	05/03/2003	1104	**5.3**	µg/l	>24 Hours
SC3	SC3-SW-05-03-1504	05/03/2003	1504	**5.6**	µg/l	>24 Hours
SC3	SC3-SW-05-03-1904	05/03/2003	1904	**5.8**	µg/l	>24 Hours
SC3	SC3-SW-05-03-2304	05/03/2003	2304	**5.4**	µg/l	>24 Hours
SC3	SC3-SW-05-04-0304	05/04/2003	0304	**5.3**	µg/l	>24 Hours
SC3	SC3-SW-05-04-0704	05/04/2003	0704	**4.3**	µg/l	>24 Hours
SC3	SC3-SW-05-04-1104	05/04/2003	1104	**4.3**	µg/l	
SC3	SC3-SW-05-04-1504	05/04/2003	1504	**5.3**	µg/l	
SC3	SC3-SW-05-04-1904	05/04/2003	1904	**4.8**	µg/l	
SC3	SC3-SW-05-04-2304	05/04/2003	2304	**5.2**	µg/l	
SC3	SC3-SW-05-05-0304	05/05/2003	0304	**5.4**	µg/l	
SC3	SC3-SW-05-05-0704	05/05/2003	0704	**5.4**	µg/l	
SC3	SC3-SW-05-05-1104	05/05/2003	1104	**7.1**	µg/l	>24 Hours
SC3	SC3-SW-05-05-1504	05/05/2003	1504	**9.0**	µg/l	>24 Hours
SC3	SC3-SW-05-05-1904	05/05/2003	1904	**11**	µg/l	>24 Hours
SC3	SC3-SW-05-05-2304	05/05/2003	2304	**11**	µg/l	>24 Hours
SC3	SC3-SW-05-06-0304	05/06/2003	0304	**11**	µg/l	>24 Hours
SC3	SC3-SW-05-06-0704	05/06/2003	0704	**9.1**	µg/l	>24 Hours
SC3	SC3-SW-05-06-1104	05/06/2003	1104	**7.3**	µg/l	
SC3	SC3-SW-05-06-1504	05/06/2003	1504	**5.9**	µg/l	
SC3 Dup	SW1090	05/06/2003	1504	**5.8**	µg/l	
SC3	SC3-SW-05-06-1904	05/06/2003	1904	**5.0**	µg/l	
SC3	SC3-SW-05-06-2304	05/06/2003	2304	**4.3**	µg/l	
SC3	SC3-SW-05-07-0304	05/07/2003	0304	**4**	µg/l	
SC3	SC3-SW-05-07-0704	05/07/2003	0704	**4**	µg/l	
SC3	SC3-SW-05-07-1104	05/07/2003	1104	<1	µg/l	>24 Hours
SC3	SC3-SW-05-07-1504	05/07/2003	1504	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-07-1904	05/07/2003	1904	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-07-2304	05/07/2003	2304	**2 J**	µg/l	>24 Hours
SC3 Dup	SW1107	05/07/2003	2304	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-08-0304	05/08/2003	0304	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-08-0704	05/08/2003	0704	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-08-1104	05/08/2003	1104	**2 J**	µg/l	
SC3	SC3-SW-05-08-1504	05/08/2003	1504	**1 J**	µg/l	
SC3	SC3-SW-05-08-1904	05/08/2003	1904	**1 J**	µg/l	
SC3	SC3-SW-05-08-2304	05/08/2003	2304	<1	µg/l	
SC3	SC3-SW-05-09-0304	05/09/2003	0304	<1	µg/l	

FIRST STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	SC3-SW-05-09-0704	05/09/2003	0704	**1 J**	µg/l	
SC3	SC3-SW-05-09-1104	05/09/2003	1104	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-09-1504	05/09/2003	1504	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-09-1904	05/09/2003	1904	**3 J**	µg/l	>24 Hours
SC3	SC3-SW-05-09-2304	05/09/2003	2304	**3 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-0304	05/10/2003	0304	**3 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-0704	05/10/2003	0704	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-1104	05/10/2003	1104	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-1504	05/10/2003	1504	**2 J**	µg/l	>24 Hours
SC3 Dup	SW1126	05/10/2003	1504	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-1904	05/10/2003	1904	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-10-2304	05/10/2003	2304	**2 J**	µg/l	>24 Hours
SC3	SC3-SW-05-11-0304	05/11/2003	0304	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-11-0704	05/11/2003	0704	<1	µg/l	>24 Hours
SC3	SC3-SW-05-11-1104	05/11/2003	1104	<1	µg/l	
SC3	SC3-SW-05-11-1504	05/11/2003	1504	<1	µg/l	
SC3	SC3-SW-05-11-1904	05/11/2003	1904	<1	µg/l	
SC3	SC3-SW-05-11-2304	05/11/2003	2304	<1	µg/l	
SC3	SC3-SW-05-12-0304	05/12/2003	0304	<1	µg/l	
SC3	SC3-SW-05-12-0704	05/12/2003	0704	<1	µg/l	
SC3 Dup	SW1127	05/12/2003	0704	<1	µg/l	
SC3	SC3-SW-05-12-1104	05/12/2003	1104	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-12-1504	05/12/2003	1504	**1 J**	µg/l	>24 Hours
SC3 Dup	SW1146	05/12/2003	1504	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-12-1904	05/12/2003	1904	<1	µg/l	>24 Hours
SC3	SC3-SW-05-12-2304	05/12/2003	2304	<1	µg/l	>24 Hours
SC3	SC3-SW-05-13-0304	05/13/2003	0304	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-13-0704	05/13/2003	0704	**1 J**	µg/l	>24 Hours
SC3	SC3-SW-05-13-1104	05/13/2003	1104	**1 J**	µg/l	
SC3	SC3-SW-05-13-1504	05/13/2003	1504	<1	µg/l	
SC3	SC3-SW-05-13-1904	05/13/2003	1904	<1	µg/l	
SC3	SC3-SW-05-13-2304	05/13/2003	2304	**1 J**	µg/l	
SC3	SC3-SW-05-14-0304	05/14/2003	0304	<1	µg/l	
SC3	SC3-SW-05-14-0704	05/14/2003	0704	<1	µg/l	
SC3 Dup	SW1147	05/14/2003	0704	<1	µg/l	
SC3	SC3-SW-05-14-1104	05/14/2003	1104	<1	µg/l	>24 Hours
SC3	SC3-SW-05-14-1504	05/14/2003	1504	<1	µg/l	>24 Hours
SC3 Dup	SW1161	05/14/2003	1504	<1	µg/l	>24 Hours
SC3	SC3-SW-05-14-1904	05/14/2003	1904	<1	µg/l	>24 Hours
SC3	SC3-SW-05-14-2304	05/14/2003	2304	<1	µg/l	>24 Hours
SC3	SC3-SW-05-15-0304	05/15/2003	0304	<1	µg/l	>24 Hours
SC3	SC3-SW-05-15-0704	05/15/2003	0704	<1	µg/l	>24 Hours
SC3	SC3-SW-05-15-1104	05/15/2003	1104	<1	µg/l	
SC3	SC3-SW-05-15-1504	05/15/2003	1504	<1	µg/l	

FIRST STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	SC3-SW-05-15-1904	05/15/2003	1904	<1	µg/l	
SC3	SC3-SW-05-15-2304	05/15/2003	2304	<1	µg/l	
SC3	SC3-SW-05-16-0304	05/16/2003	0304	<1	µg/l	
SC3	SC3-SW-05-16-0704	05/16/2003	0704	<1	µg/l	
SC3 Dup	SW1162	05/16/2003	0704	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

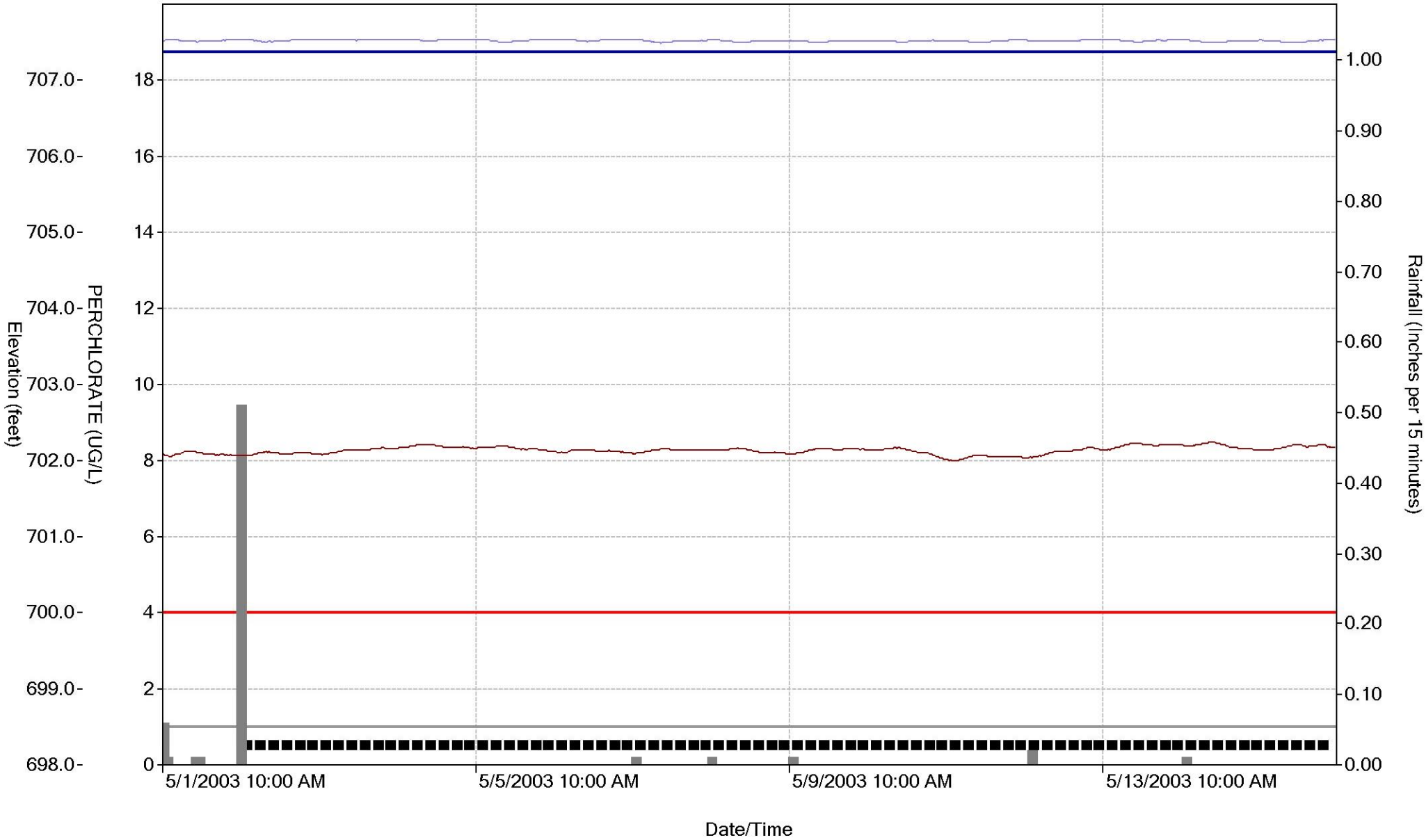
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

Onion Creek at 107 (OC1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (OC1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.51	Avg: < 0.0005
Corrected Surface Elevation	Min: 707.47	Max: 707.52	Avg: 707.504
Corrected Groundwater Elevation	Min: 701.99	Max: 702.23	Avg: 702.128
Bottom of Stream at Bubbler	Min: 707.36	Max: 707.36	Avg: 707.360

FIRST STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	OC1-SW-05-02-1003	05/02/2003	1003	<1	µg/l	>24 Hours
OC1	OC1-SW-05-02-1158	05/02/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-02-1558	05/02/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-02-1958	05/02/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-02-2358	05/02/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-0358	05/03/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-0758	05/03/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-1158	05/03/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-1558	05/03/2003	1558	<1	µg/l	>24 Hours
OC1 Dup	SW1081	05/03/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-1958	05/03/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-03-2358	05/03/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-04-0358	05/04/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-04-0758	05/04/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-04-1158	05/04/2003	1158	<1	µg/l	
OC1	OC1-SW-05-04-1558	05/04/2003	1558	<1	µg/l	
OC1	OC1-SW-05-04-1958	05/04/2003	1958	<1	µg/l	
OC1	OC1-SW-05-04-2358	05/04/2003	2358	<1	µg/l	
OC1 Dup	SW1080	05/04/2003	2358	<1	µg/l	
OC1	OC1-SW-05-05-0358	05/05/2003	0358	<1	µg/l	
OC1	OC1-SW-05-05-0758	05/05/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-05-1158	05/05/2003	1158	<1	µg/l	>24 Hours
OC1 Dup	SW1093	05/05/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-05-1558	05/05/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-05-1958	05/05/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-05-2358	05/05/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-06-0358	05/06/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-06-0758	05/06/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-06-1158	05/06/2003	1158	<1	µg/l	
OC1	OC1-SW-05-06-1558	05/06/2003	1558	<1	µg/l	
OC1	OC1-SW-05-06-1958	05/06/2003	1958	<1	µg/l	
OC1	OC1-SW-05-06-2358	05/06/2003	2358	<1	µg/l	
OC1	OC1-SW-05-07-0358	05/07/2003	0358	<1	µg/l	
OC1 Dup	SW1094	05/07/2003	0358	<1	µg/l	
OC1	OC1-SW-05-07-0758	05/07/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-07-1158	05/07/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-07-1558	05/07/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-07-1958	05/07/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-07-2358	05/07/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-08-0358	05/08/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-08-0758	05/08/2003	0758	<1	µg/l	>24 Hours
OC1 Dup	SW1111	05/08/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-08-1158	05/08/2003	1158	<1	µg/l	
OC1	OC1-SW-05-08-1558	05/08/2003	1558	<1	µg/l	

FIRST STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

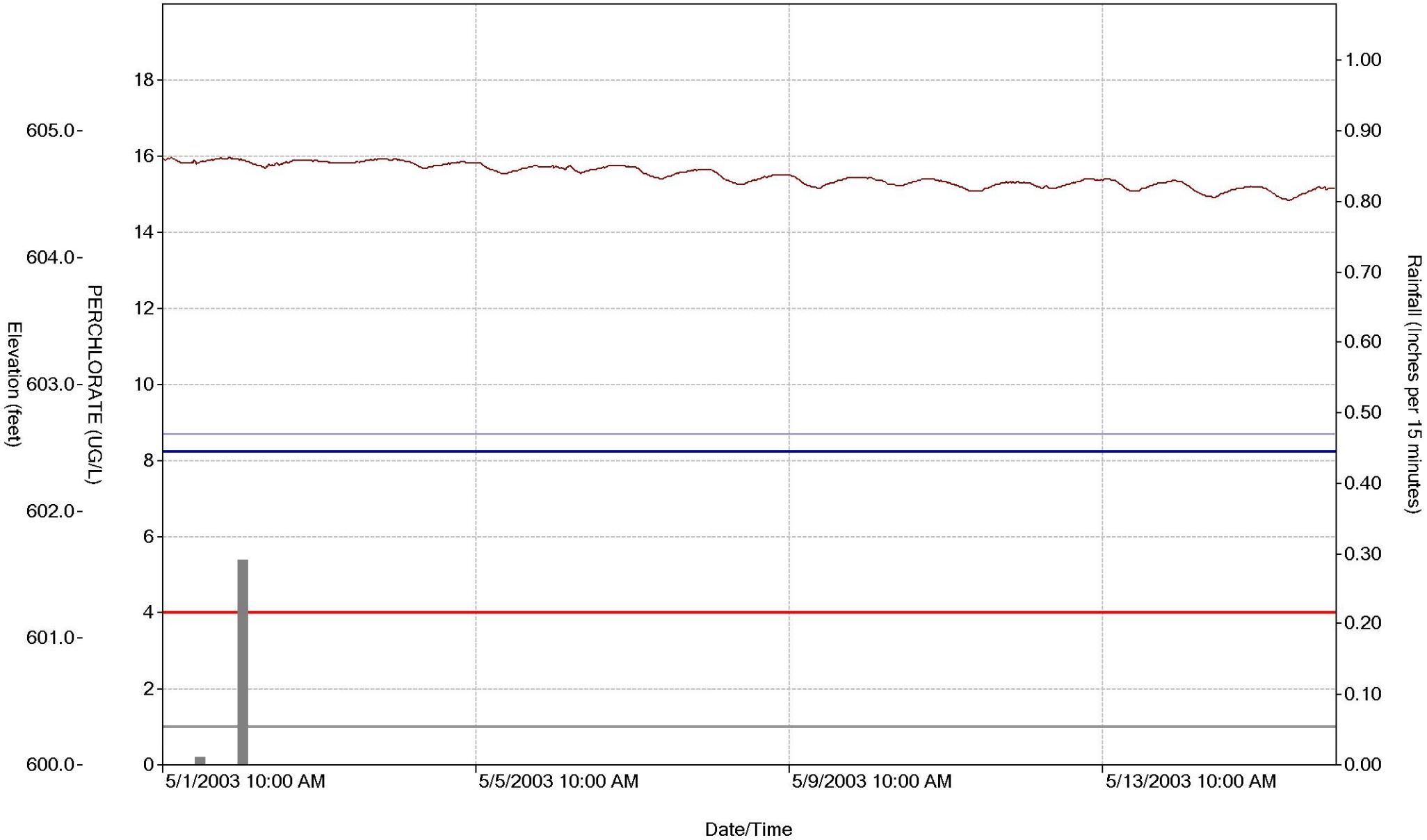
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	OC1-SW-05-08-1958	05/08/2003	1958	<1	µg/l	
OC1	OC1-SW-05-08-2358	05/08/2003	2358	<1	µg/l	
OC1	OC1-SW-05-09-0358	05/09/2003	0358	<1	µg/l	
OC1	OC1-SW-05-09-0758	05/09/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-09-1158	05/09/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-09-1558	05/09/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-09-1958	05/09/2003	1958	<1	µg/l	>24 Hours
OC1 Dup	SW1131	05/09/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-09-2358	05/09/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-0358	05/10/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-0758	05/10/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-1158	05/10/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-1558	05/10/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-1958	05/10/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-10-2358	05/10/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-11-0358	05/11/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-11-0758	05/11/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-11-1158	05/11/2003	1158	<1	µg/l	
OC1 Dup	SW1132	05/11/2003	1158	<1	µg/l	
OC1	OC1-SW-05-11-1558	05/11/2003	1558	<1	µg/l	
OC1	OC1-SW-05-11-1958	05/11/2003	1958	<1	µg/l	
OC1	OC1-SW-05-11-2358	05/11/2003	2358	<1	µg/l	
OC1	OC1-SW-05-12-0358	05/12/2003	0358	<1	µg/l	
OC1	OC1-SW-05-12-0758	05/12/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-12-1158	05/12/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-12-1558	05/12/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-12-1958	05/12/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-12-2358	05/12/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-13-0358	05/13/2003	0358	<1	µg/l	>24 Hours
OC1 Dup	SW1150	05/13/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-13-0758	05/13/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-13-1158	05/13/2003	1158	<1	µg/l	
OC1	OC1-SW-05-13-1558	05/13/2003	1558	<1	µg/l	
OC1	OC1-SW-05-13-1958	05/13/2003	1958	<1	µg/l	
OC1	OC1-SW-05-13-2358	05/13/2003	2358	<1	µg/l	
OC1	OC1-SW-05-14-0358	05/14/2003	0358	<1	µg/l	
OC1	OC1-SW-05-14-0758	05/14/2003	0758	<1	µg/l	>24 Hours
OC1	OC1-SW-05-14-1158	05/14/2003	1158	<1	µg/l	>24 Hours
OC1	OC1-SW-05-14-1558	05/14/2003	1558	<1	µg/l	>24 Hours
OC1	OC1-SW-05-14-1958	05/14/2003	1958	<1	µg/l	>24 Hours
OC1	OC1-SW-05-14-2358	05/14/2003	2358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-15-0358	05/15/2003	0358	<1	µg/l	>24 Hours
OC1 Dup	SW1165	05/15/2003	0358	<1	µg/l	>24 Hours
OC1	OC1-SW-05-15-0758	05/15/2003	0758	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	OC1-SW-05-15-1158	05/15/2003	1158	<1	µg/l	
OC1	OC1-SW-05-15-1558	05/15/2003	1558	<1	µg/l	
OC1	OC1-SW-05-15-1958	05/15/2003	1958	<1	µg/l	
OC1	OC1-SW-05-15-2358	05/15/2003	2358	<1	µg/l	
OC1	OC1-SW-05-16-0358	05/16/2003	0358	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Station Creek at Ogelsby Neff Park Road (SC5)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC5)	Min: 0.0	Max: 0.0	Avg: < 0.005
Rainfall	Min: 0.00	Max: 0.29	Avg: < 0.0005
Corrected Surface Elevation	Min: 602.61	Max: 602.61	Avg: 602.610
Corrected Groundwater Elevation	Min: 604.45	Max: 604.78	Avg: 604.642
Bottom of Stream at Bubbler	Min: 602.47	Max: 602.47	Avg: 602.470

FIRST STORM SAMPLING EVENT SC5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

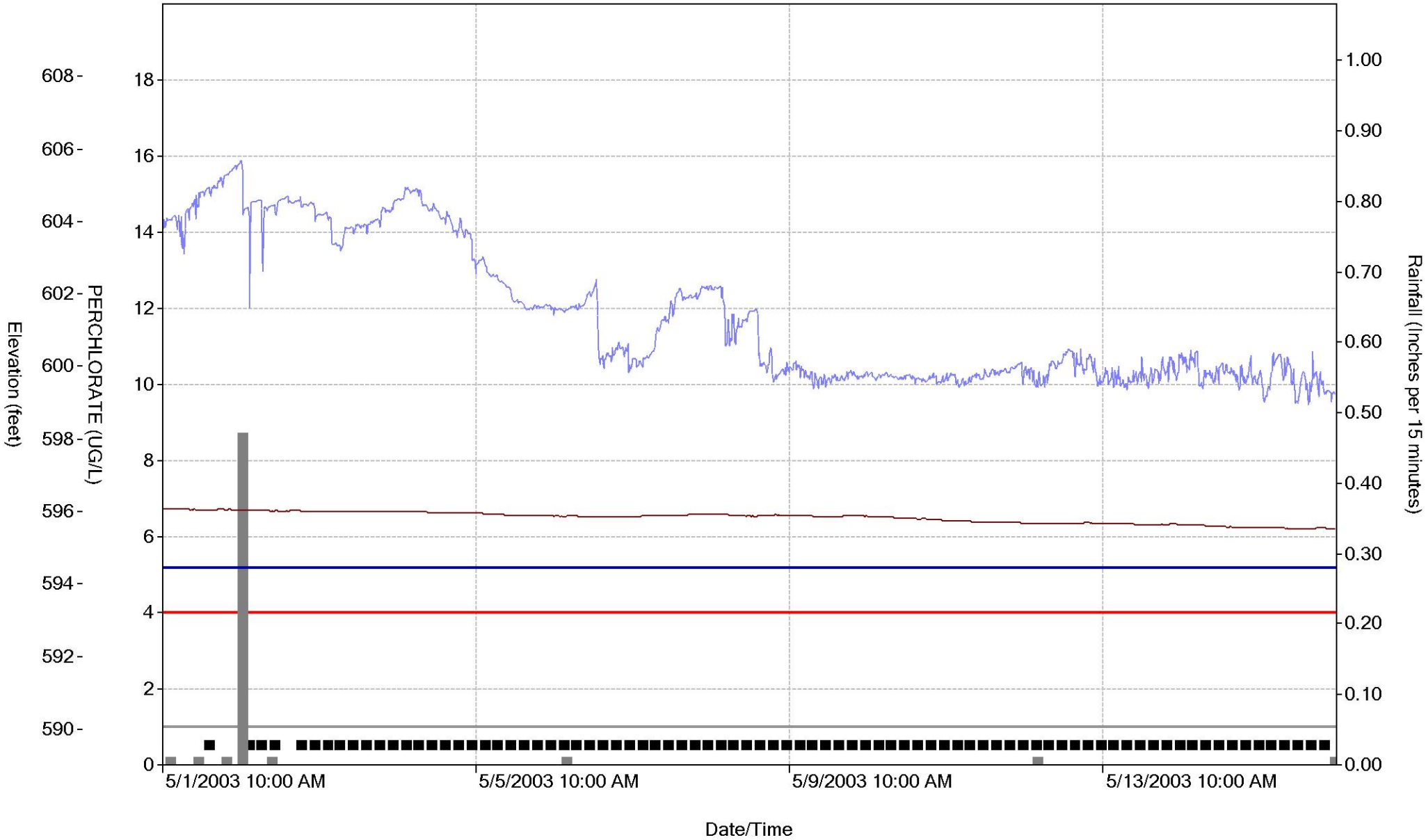
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	05/02/2003	1017	--	--	Dry
SC5	Not Sampled	05/02/2003	1209	--	--	Dry
SC5	Not Sampled	05/02/2003	1609	--	--	Dry
SC5	Not Sampled	05/02/2003	2009	--	--	Dry
SC5	Not Sampled	05/03/2003	0009	--	--	Dry
SC5	Not Sampled	05/03/2003	0409	--	--	Dry
SC5	Not Sampled	05/03/2003	0809	--	--	Dry
SC5	Not Sampled	05/03/2003	1209	--	--	Dry
SC5	Not Sampled	05/03/2003	1609	--	--	Dry
SC5	Not Sampled	05/03/2003	2009	--	--	Dry
SC5	Not Sampled	05/04/2003	0009	--	--	Dry
SC5	Not Sampled	05/04/2003	0409	--	--	Dry
SC5	Not Sampled	05/04/2003	0809	--	--	Dry
SC5	Not Sampled	05/04/2003	1209	--	--	Dry
SC5	Not Sampled	05/04/2003	1609	--	--	Dry
SC5	Not Sampled	05/04/2003	2009	--	--	Dry
SC5	Not Sampled	05/05/2003	0009	--	--	Dry
SC5	Not Sampled	05/05/2003	0409	--	--	Dry
SC5	Not Sampled	05/05/2003	0809	--	--	Dry
SC5	Not Sampled	05/05/2003	1209	--	--	Dry
SC5	Not Sampled	05/05/2003	1609	--	--	Dry
SC5	Not Sampled	05/05/2003	2009	--	--	Dry
SC5	Not Sampled	05/06/2003	0009	--	--	Dry
SC5	Not Sampled	05/06/2003	0409	--	--	Dry
SC5	Not Sampled	05/06/2003	0809	--	--	Dry
SC5	Not Sampled	05/06/2003	1209	--	--	Dry
SC5	Not Sampled	05/06/2003	1609	--	--	Dry
SC5	Not Sampled	05/06/2003	2009	--	--	Dry
SC5	Not Sampled	05/07/2003	0009	--	--	Dry
SC5	Not Sampled	05/07/2003	0409	--	--	Dry
SC5	Not Sampled	05/07/2003	0809	--	--	Dry
SC5	Not Sampled	05/07/2003	1209	--	--	Dry
SC5	Not Sampled	05/07/2003	1609	--	--	Dry
SC5	Not Sampled	05/07/2003	2009	--	--	Dry
SC5	Not Sampled	05/08/2003	0009	--	--	Dry
SC5	Not Sampled	05/08/2003	0409	--	--	Dry
SC5	Not Sampled	05/08/2003	0809	--	--	Dry
SC5	Not Sampled	05/08/2003	1209	--	--	Dry
SC5	Not Sampled	05/08/2003	1609	--	--	Dry
SC5	Not Sampled	05/08/2003	2009	--	--	Dry
SC5	Not Sampled	05/09/2003	0009	--	--	Dry
SC5	Not Sampled	05/09/2003	0409	--	--	Dry
SC5	Not Sampled	05/09/2003	0809	--	--	Dry
SC5	Not Sampled	05/09/2003	1209	--	--	Dry

FIRST STORM SAMPLING EVENT SC5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	05/09/2003	1609	--	--	Dry
SC5	Not Sampled	05/09/2003	2009	--	--	Dry
SC5	Not Sampled	05/10/2003	0009	--	--	Dry
SC5	Not Sampled	05/10/2003	0409	--	--	Dry
SC5	Not Sampled	05/10/2003	0809	--	--	Dry
SC5	Not Sampled	05/10/2003	1209	--	--	Dry
SC5	Not Sampled	05/10/2003	1609	--	--	Dry
SC5	Not Sampled	05/10/2003	2009	--	--	Dry
SC5	Not Sampled	05/11/2003	0009	--	--	Dry
SC5	Not Sampled	05/11/2003	0409	--	--	Dry
SC5	Not Sampled	05/11/2003	0809	--	--	Dry
SC5	Not Sampled	05/11/2003	1209	--	--	Dry
SC5	Not Sampled	05/11/2003	1609	--	--	Dry
SC5	Not Sampled	05/11/2003	2009	--	--	Dry
SC5	Not Sampled	05/12/2003	0009	--	--	Dry
SC5	Not Sampled	05/12/2003	0409	--	--	Dry
SC5	Not Sampled	05/12/2003	0809	--	--	Dry
SC5	Not Sampled	05/12/2003	1209	--	--	Dry
SC5	Not Sampled	05/12/2003	1609	--	--	Dry
SC5	Not Sampled	05/12/2003	2009	--	--	Dry
SC5	Not Sampled	05/13/2003	0009	--	--	Dry
SC5	Not Sampled	05/13/2003	0409	--	--	Dry
SC5	Not Sampled	05/13/2003	0809	--	--	Dry
SC5	Not Sampled	05/13/2003	1209	--	--	Dry
SC5	Not Sampled	05/13/2003	1609	--	--	Dry
SC5	Not Sampled	05/13/2003	2009	--	--	Dry
SC5	Not Sampled	05/14/2003	0009	--	--	Dry
SC5	Not Sampled	05/14/2003	0409	--	--	Dry
SC5	Not Sampled	05/14/2003	0809	--	--	Dry
SC5	Not Sampled	05/14/2003	1209	--	--	Dry
SC5	Not Sampled	05/14/2003	1609	--	--	Dry
SC5	Not Sampled	05/14/2003	2009	--	--	Dry
SC5	Not Sampled	05/15/2003	0009	--	--	Dry
SC5	Not Sampled	05/15/2003	0409	--	--	Dry
SC5	Not Sampled	05/15/2003	0809	--	--	Dry
SC5	Not Sampled	05/15/2003	1209	--	--	Dry
SC5	Not Sampled	05/15/2003	1609	--	--	Dry
SC5	Not Sampled	05/15/2003	2009	--	--	Dry
SC5	Not Sampled	05/16/2003	0009	--	--	Dry
SC5	Not Sampled	05/16/2003	0409	--	--	Dry

Non-detect sample data are reported to the method detection limit.
-- Not applicable.

Leon River at 236 (LR1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (LR1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.47	Avg: < 0.0005
Corrected Surface Elevation	Min: 598.93	Max: 605.67	Avg: 601.393
Corrected Groundwater Elevation	Min: 595.50	Max: 596.06	Avg: 595.814
Bottom of Stream at Bubbler	Min: 594.43	Max: 594.43	Avg: 594.430

FIRST STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-05-02-0028	05/02/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-02-1027	05/02/2003	1027	<1	µg/l	>24 Hours
LR1	LR1-SW-05-02-1228	05/02/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-02-1628	05/02/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-02-2028	05/02/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-03-0428	05/03/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-03-0828	05/03/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-03-1228	05/03/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-03-1628	05/03/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-03-2028	05/03/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-04-0028	05/04/2003	0028	<1	µg/l	
LR1	LR1-SW-05-04-0428	05/04/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-04-0828	05/04/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-04-1228	05/04/2003	1228	<1	µg/l	
LR1	LR1-SW-05-04-1628	05/04/2003	1628	<1	µg/l	
LR1	LR1-SW-05-04-2028	05/04/2003	2028	<1	µg/l	
LR1	LR1-SW-05-05-0028	05/05/2003	0028	<1	µg/l	
LR1	LR1-SW-05-05-0428	05/05/2003	0428	<1	µg/l	
LR1	LR1-SW-05-05-0828	05/05/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-05-1228	05/05/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-05-1628	05/05/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-05-2028	05/05/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-06-0028	05/06/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-06-0428	05/06/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-06-0828	05/06/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-06-1228	05/06/2003	1228	<1	µg/l	
LR1	LR1-SW-05-06-1628	05/06/2003	1628	<1	µg/l	
LR1	LR1-SW-05-06-2028	05/06/2003	2028	<1	µg/l	
LR1 Dup	SW1095	05/06/2003	2028	<1	µg/l	
LR1	LR1-SW-05-07-0028	05/07/2003	0028	<1	µg/l	
LR1	LR1-SW-05-07-0428	05/07/2003	0428	<1	µg/l	
LR1	LR1-SW-05-07-0828	05/07/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-07-1228	05/07/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-07-1628	05/07/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-07-2028	05/07/2003	2028	<1	µg/l	>24 Hours
LR1 Dup	SW1112	05/07/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-08-0028	05/08/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-08-0428	05/08/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-08-0828	05/08/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-08-1228	05/08/2003	1228	<1	µg/l	
LR1	LR1-SW-05-08-1628	05/08/2003	1628	<1	µg/l	
LR1	LR1-SW-05-08-2028	05/08/2003	2028	<1	µg/l	
LR1	LR1-SW-05-09-0028	05/09/2003	0028	<1	µg/l	
LR1	LR1-SW-05-09-0428	05/09/2003	0428	<1	µg/l	

FIRST STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-05-09-0828	05/09/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-09-1228	05/09/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-09-1628	05/09/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-09-2028	05/09/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-0028	05/10/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-0428	05/10/2003	0428	<1	µg/l	>24 Hours
LR1 Dup	SW1133	05/10/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-0828	05/10/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-1228	05/10/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-1628	05/10/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-10-2028	05/10/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-11-0028	05/11/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-11-0428	05/11/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-11-0828	05/11/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-11-1228	05/11/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-11-1628	05/11/2003	1628	<1	µg/l	
LR1	LR1-SW-05-11-2028	05/11/2003	2028	<1	µg/l	
LR1 Dup	SW1134	05/11/2003	2028	<1	µg/l	
LR1	LR1-SW-05-12-0028	05/12/2003	0028	<1	µg/l	
LR1	LR1-SW-05-12-0428	05/12/2003	0428	<1	µg/l	
LR1	LR1-SW-05-12-0828	05/12/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-12-1228	05/12/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-12-1628	05/12/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-12-2028	05/12/2003	2028	<1	µg/l	>24 Hours
LR1 Dup	SW1151	05/12/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-13-0028	05/13/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-13-0428	05/13/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-13-0828	05/13/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-13-1228	05/13/2003	1228	<1	µg/l	
LR1	LR1-SW-05-13-1628	05/13/2003	1628	<1	µg/l	
LR1	LR1-SW-05-13-2028	05/13/2003	2028	<1	µg/l	
LR1	LR1-SW-05-14-0028	05/14/2003	0028	<1	µg/l	
LR1	LR1-SW-05-14-0428	05/14/2003	0428	<1	µg/l	
LR1	LR1-SW-05-14-0828	05/14/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-14-1228	05/14/2003	1228	<1	µg/l	>24 Hours
LR1	LR1-SW-05-14-1628	05/14/2003	1628	<1	µg/l	>24 Hours
LR1	LR1-SW-05-14-2028	05/14/2003	2028	<1	µg/l	>24 Hours
LR1 Dup	SW1166	05/14/2003	2028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-15-0028	05/15/2003	0028	<1	µg/l	>24 Hours
LR1	LR1-SW-05-15-0428	05/15/2003	0428	<1	µg/l	>24 Hours
LR1	LR1-SW-05-15-0828	05/15/2003	0828	<1	µg/l	>24 Hours
LR1	LR1-SW-05-15-1228	05/15/2003	1228	<1	µg/l	
LR1	LR1-SW-05-15-1628	05/15/2003	1628	<1	µg/l	
LR1	LR1-SW-05-15-2028	05/15/2003	2028	<1	µg/l	

FIRST STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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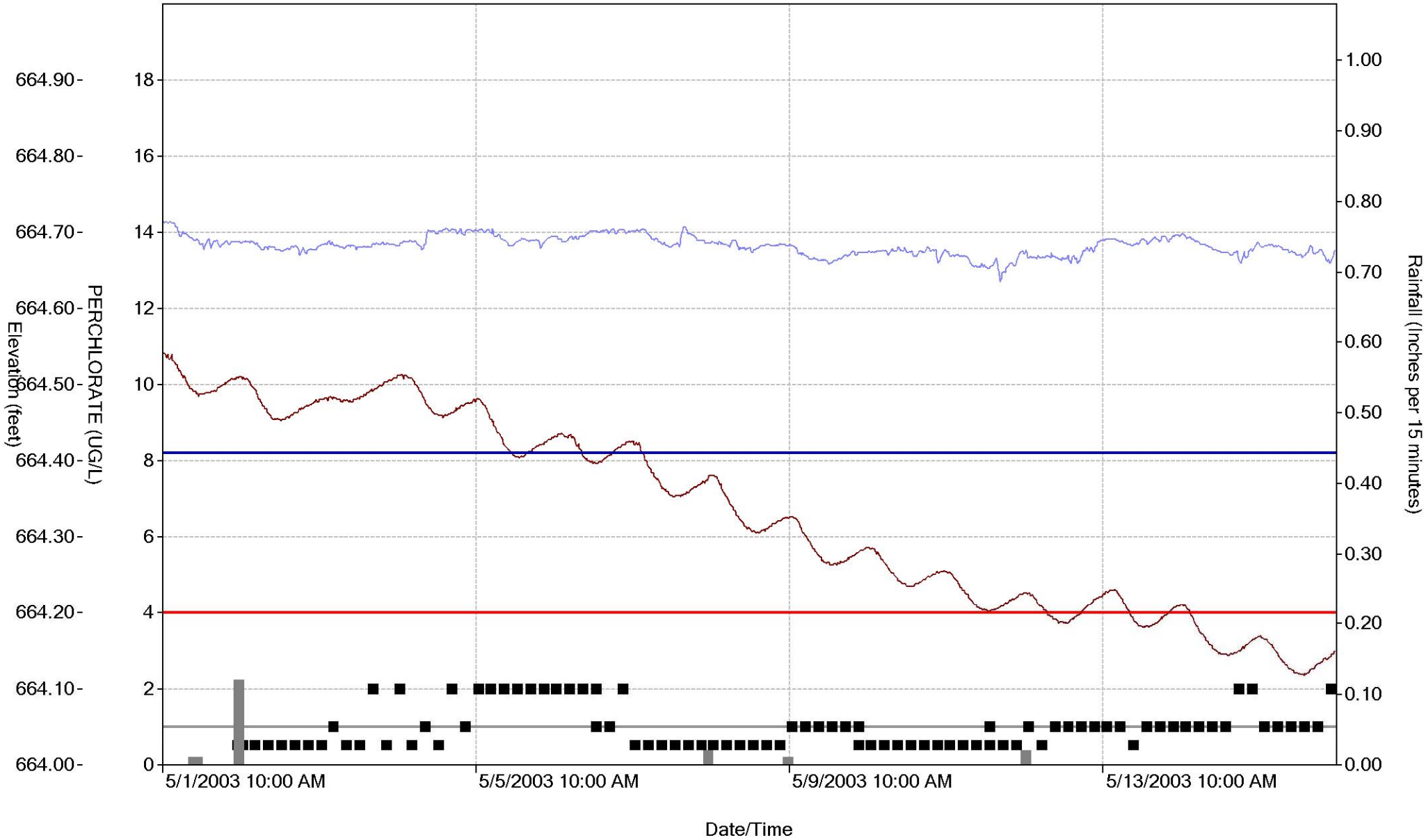
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-05-16-0028	05/16/2003	0028	<1	µg/l	
LR1	LR1-SW-05-16-0428	05/16/2003	0428	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Harris Creek at Middle Windsor Road (HC1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (HC1)	Min: 0.5	Max: 2.0	Avg: 0.96
Rainfall	Min: 0.00	Max: 0.12	Avg: < 0.0005
Corrected Surface Elevation	Min: 664.64	Max: 664.71	Avg: 664.682
Corrected Groundwater Elevation	Min: 664.12	Max: 664.54	Avg: 664.331
Bottom of Stream at Bubbler	Min: 664.41	Max: 664.41	Avg: 664.410

FIRST STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-05-02-0908	05/02/2003	0908	<1	µg/l	>24 Hours
HC1	HC1-SW-05-02-1025	05/02/2003	1025	<1	µg/l	>24 Hours
HC1	HC1-SW-05-02-1425	05/02/2003	1425	<1	µg/l	>24 Hours
HC1	HC1-SW-05-02-1825	05/02/2003	1825	<1	µg/l	>24 Hours
HC1 Dup	SW1063	05/02/2003	1825	<1	µg/l	>24 Hours
HC1	HC1-SW-05-02-2225	05/02/2003	2225	<1	µg/l	>24 Hours
HC1 Dup	SW1064	05/02/2003	2225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-03-0225	05/03/2003	0225	<1	µg/l	>24 Hours
HC1 Dup	SW1062	05/03/2003	0225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-03-0625	05/03/2003	0625	<1	µg/l	>24 Hours
HC1	HC1-SW-05-03-1025	05/03/2003	1025	<1	µg/l	>24 Hours
HC1	HC1-SW-05-03-1425	05/03/2003	1425	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-03-1825	05/03/2003	1825	<1	µg/l	>24 Hours
HC1	HC1-SW-05-03-2225	05/03/2003	2225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-04-0225	05/04/2003	0225	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-04-0625	05/04/2003	0625	<1	µg/l	>24 Hours
HC1	HC1-SW-05-04-1025	05/04/2003	1025	**2 J**	µg/l	
HC1	HC1-SW-05-04-1425	05/04/2003	1425	<1	µg/l	
HC1	HC1-SW-05-04-1825	05/04/2003	1825	**1 J**	µg/l	
HC1	HC1-SW-05-04-2225	05/04/2003	2225	<1	µg/l	
HC1	HC1-SW-05-05-0225	05/05/2003	0225	**2 J**	µg/l	
HC1	HC1-SW-05-05-0625	05/05/2003	0625	**1 J**	µg/l	
HC1	HC1-SW-05-05-1025	05/05/2003	1025	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-05-1425	05/05/2003	1425	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-05-1825	05/05/2003	1825	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-05-2225	05/05/2003	2225	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-06-0225	05/06/2003	0225	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-06-0625	05/06/2003	0625	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-06-1025	05/06/2003	1025	**2 J**	µg/l	
HC1	HC1-SW-05-06-1025	05/06/2003	1025	**2 J**	µg/l	
HC1	HC1-SW-05-06-1425	05/06/2003	1425	**2 J**	µg/l	
HC1	HC1-SW-05-06-1825	05/06/2003	1825	**2 J**	µg/l	
HC1	HC1-SW-05-06-2225	05/06/2003	2225	**2 J**	µg/l	
HC1 Dup	SW1089	05/06/2003	2225	**1 J**	µg/l	
HC1	HC1-SW-05-07-0225	05/07/2003	0225	**1 J**	µg/l	
HC1	HC1-SW-05-07-0625	05/07/2003	0625	**2 J**	µg/l	
HC1	HC1-SW-05-07-1025	05/07/2003	1025	<1	µg/l	>24 Hours
HC1	HC1-SW-05-07-1425	05/07/2003	1425	<1	µg/l	>24 Hours
HC1	HC1-SW-05-07-1825	05/07/2003	1825	<1	µg/l	>24 Hours
HC1	HC1-SW-05-07-2225	05/07/2003	2225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-08-0225	05/08/2003	0225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-08-0625	05/08/2003	0625	<1	µg/l	>24 Hours
HC1 Dup	SW1106	05/08/2003	0625	<1	µg/l	>24 Hours
HC1	HC1-SW-05-08-1025	05/08/2003	1025	<1	µg/l	

FIRST STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-05-08-1425	05/08/2003	1425	<1	µg/l	
HC1	HC1-SW-05-08-1825	05/08/2003	1825	<1	µg/l	
HC1	HC1-SW-05-08-2225	05/08/2003	2225	<1	µg/l	
HC1	HC1-SW-05-09-0225	05/09/2003	0225	<1	µg/l	
HC1	HC1-SW-05-09-0625	05/09/2003	0625	<1	µg/l	
HC1	HC1-SW-05-09-1025	05/09/2003	1025	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-09-1425	05/09/2003	1425	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-09-1825	05/09/2003	1825	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-09-2225	05/09/2003	2225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-10-0225	05/10/2003	0225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-10-0625	05/10/2003	0625	**1 J**	µg/l	>24 Hours
HC1 Dup	SW1124	05/10/2003	0625	<1	µg/l	>24 Hours
HC1	HC1-SW-05-10-1025	05/10/2003	1025	<1	µg/l	>24 Hours
HC1	HC1-SW-05-10-1425	05/10/2003	1425	<1	µg/l	>24 Hours
HC1	HC1-SW-05-10-1825	05/10/2003	1825	<1	µg/l	>24 Hours
HC1	HC1-SW-05-10-2225	05/10/2003	2225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-11-0225	05/11/2003	0225	<1	µg/l	>24 Hours
HC1	HC1-SW-05-11-0625	05/11/2003	0625	<1	µg/l	>24 Hours
HC1	HC1-SW-05-11-1025	05/11/2003	1025	<1	µg/l	
HC1	HC1-SW-05-11-1425	05/11/2003	1425	<1	µg/l	
HC1	HC1-SW-05-11-1825	05/11/2003	1825	<1	µg/l	
HC1	HC1-SW-05-11-2225	05/11/2003	2225	<1	µg/l	
HC1 Dup	SW1125	05/11/2003	2225	**1 J**	µg/l	
HC1	HC1-SW-05-012-0225	05/12/2003	0225	<1	µg/l	
HC1	HC1-SW-05-012-0625	05/12/2003	0625	<1	µg/l	
HC1	HC1-SW-05-12-1025	05/12/2003	1025	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-12-1425	05/12/2003	1425	<1	µg/l	>24 Hours
HC1	HC1-SW-05-12-1825	05/12/2003	1825	**1 J**	µg/l	>24 Hours
HC1 Dup	SW1145	05/12/2003	2225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-12-2225	05/12/2003	2225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-13-0225	05/13/2003	0225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-13-0625	05/13/2003	0625	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-13-1025	05/13/2003	1025	**1 J**	µg/l	
HC1	HC1-SW-05-13-1425	05/13/2003	1425	**1 J**	µg/l	
HC1	HC1-SW-05-13-1825	05/13/2003	1825	<1	µg/l	
HC1	HC1-SW-05-13-2225	05/13/2003	2225	**1 J**	µg/l	
HC1	HC1-SW-05-14-0225	05/14/2003	0225	**1 J**	µg/l	
HC1	HC1-SW-05-14-0625	05/14/2003	0625	**1 J**	µg/l	
HC1	HC1-SW-05-14-1025	05/14/2003	1025	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-14-1425	05/14/2003	1425	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-14-1825	05/14/2003	1825	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-14-2225	05/14/2003	2225	**1 J**	µg/l	>24 Hours
HC1 Dup	SW1160	05/14/2003	2225	**1 J**	µg/l	>24 Hours
HC1	HC1-SW-05-15-0225	05/15/2003	0225	**2 J**	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-05-15-0625	05/15/2003	0625	**2 J**	µg/l	>24 Hours
HC1	HC1-SW-05-15-1025	05/15/2003	1025	**1 J**	µg/l	
HC1	HC1-SW-05-15-1425	05/15/2003	1425	**1 J**	µg/l	
HC1	HC1-SW-05-15-1825	05/15/2003	1825	**1 J**	µg/l	
HC1	HC1-SW-05-15-2225	05/15/2003	2225	**1 J**	µg/l	
HC1	HC1-SW-05-16-0225	05/16/2003	0225	**1 J**	µg/l	
HC1	HC1-SW-05-16-0625	05/16/2003	0625	**2 J**	µg/l	

Non-detect sample data are reported to the method detection limit.

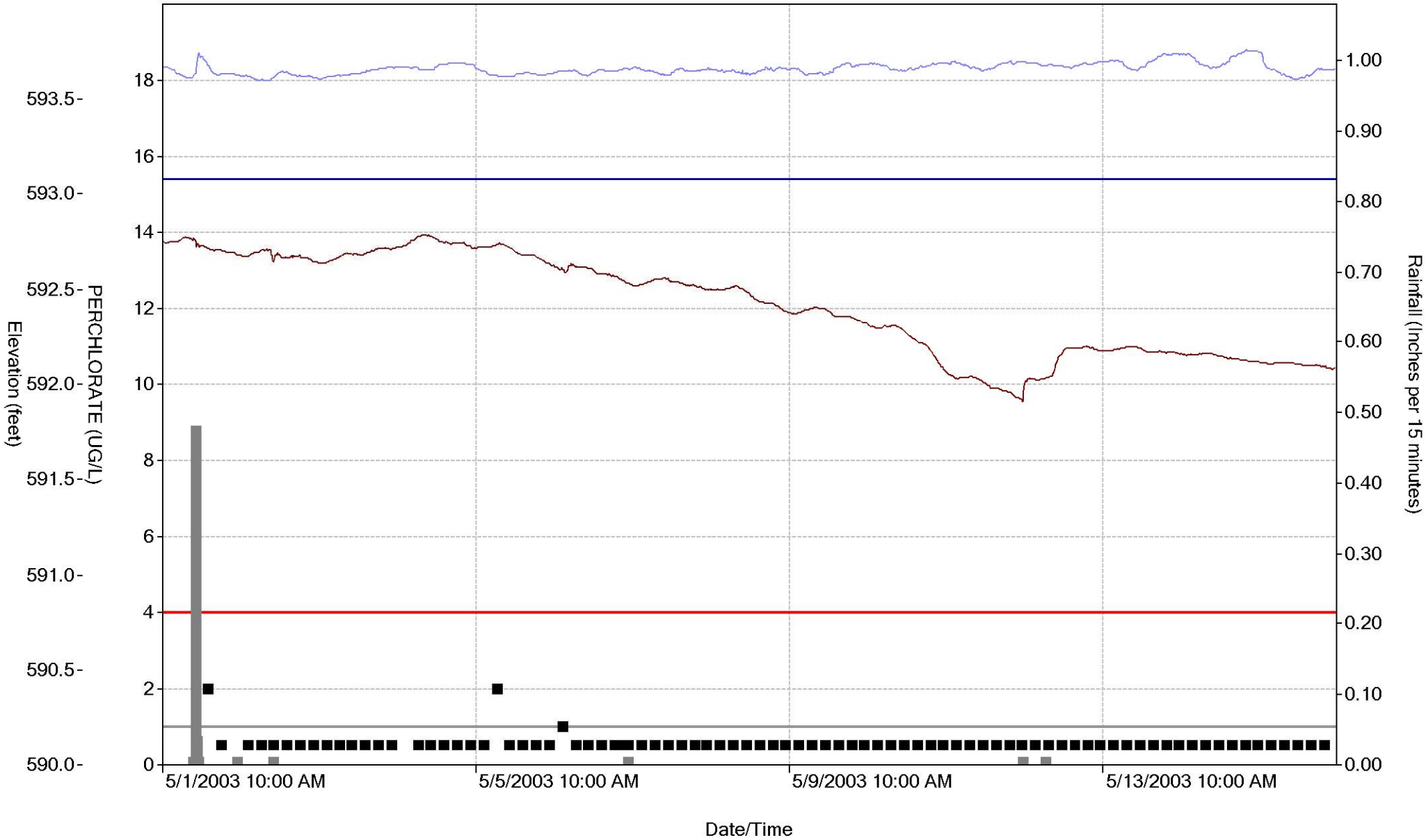
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

Harris Creek near Val Verde Road (HC2)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (HC2)	Min: 0.5	Max: 2.0	Avg: 0.54
Rainfall	Min: 0.00	Max: 0.48	Avg: < 0.0005
Corrected Surface Elevation	Min: 593.59	Max: 593.76	Avg: 593.659
Corrected Groundwater Elevation	Min: 591.91	Max: 592.78	Avg: 592.416
Bottom of Stream at Bubbler	Min: 593.08	Max: 593.08	Avg: 593.080

FIRST STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-05-01-2018	05/01/2003	2018	<1	µg/l	
HC2	HC2-SW-05-02-0008	05/02/2003	0008	**2 J**	µg/l	
HC2	HC2-SW-05-02-0408	05/02/2003	0408	<1	µg/l	
HC2	HC2-SW-05-02-1208	05/02/2003	1208	<1	µg/l	>24 Hours
HC2	HC2-SW-05-02-1608	05/02/2003	1608	<1	µg/l	>24 Hours
HC2	HC2-SW-05-02-2008	05/02/2003	2008	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-0008	05/03/2003	0008	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-0408	05/03/2003	0408	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-0808	05/03/2003	0808	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-1208	05/03/2003	1208	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-1608	05/03/2003	1608	<1	µg/l	>24 Hours
HC2 Dup	SW1068	05/03/2003	1608	<1	µg/l	>24 Hours
HC2	HC2-SW-05-03-2008	05/03/2003	2008	<1	µg/l	>24 Hours
HC2	HC2-SW-05-04-0008	05/04/2003	0008	<1	µg/l	
HC2	HC2-SW-05-04-0408	05/04/2003	0408	<1	µg/l	>24 Hours
HC2	HC2-SW-05-04-0808	05/04/2003	0808	<1	µg/l	>24 Hours
HC2	HC2-SW-05-04-1608	05/04/2003	1608	<1	µg/l	
HC2	HC2-SW-05-04-1608	05/04/2003	1608	<1	µg/l	
HC2	HC2-SW-05-04-2008	05/04/2003	2008	<1	µg/l	
HC2 Dup	SW1070	05/04/2003	2008	<1	µg/l	
HC2	HC2-SW-05-05-0008	05/05/2003	0008	<1	µg/l	
HC2	HC2-SW-05-05-0408	05/05/2003	0408	<1	µg/l	
HC2	HC2-SW-05-05-0808	05/05/2003	0808	<1	µg/l	>24 Hours
HC2	HC2-SW-05-05-1208	05/05/2003	1208	<1	µg/l	>24 Hours
HC2 Dup	SW1087	05/05/2003	1208	<1	µg/l	>24 Hours
HC2	HC2-SW-05-05-1608	05/05/2003	1608	**2 J**	µg/l	>24 Hours
HC2	HC2-SW-05-05-2008	05/05/2003	2008	<1	µg/l	>24 Hours
HC2	HC2-SW-05-06-0008	05/06/2003	0008	<1	µg/l	>24 Hours
HC2	HC2-SW-05-06-0408	05/06/2003	0408	<1	µg/l	>24 Hours
HC2	HC2-SW-05-06-0808	05/06/2003	0808	<1	µg/l	>24 Hours
HC2	HC2-SW-05-06-1208	05/06/2003	1208	**1 J**	µg/l	
HC2	HC2-SW-05-06-1608	05/06/2003	1608	<1	µg/l	
HC2	HC2-SW-05-06-2008	05/06/2003	2008	<1	µg/l	
HC2	HC2-SW-05-07-0008	05/07/2003	0008	<1	µg/l	
HC2	HC2-SW-05-07-0408	05/07/2003	0408	<1	µg/l	
HC2 Dup	SW1088	05/07/2003	0408	<1	µg/l	
HC2	HC2-SW-05-07-0604	05/07/2003	0604	<1	µg/l	
HC2	HC2-SW-05-07-09-0808	05/07/2003	0808	<1	µg/l	>24 Hours
HC2	HC2-SW-05-07-0819	05/07/2003	0819	<1	µg/l	>24 Hours
HC2	HC2-SW-05-07-0822	05/07/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-07-1222	05/07/2003	1222	<1	µg/l	>24 Hours
HC2	HC2-SW-05-07-1622	05/07/2003	1622	<1	µg/l	>24 Hours
HC2	HC2-SW-05-07-2022	05/07/2003	2022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-08-0022	05/08/2003	0022	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-05-08-0422	05/08/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-08-0822	05/08/2003	0822	<1	µg/l	
HC2	HC2-SW-05-08-1222	05/08/2003	1222	<1	µg/l	
HC2 Dup	SW1105	05/08/2003	1222	<1	µg/l	
HC2	HC2-SW-05-08-1622	05/08/2003	1622	<1	µg/l	
HC2	HC2-SW-05-08-2022	05/08/2003	2022	<1	µg/l	
HC2	HC2-SW-05-09-0022	05/09/2003	0022	<1	µg/l	
HC2	HC2-SW-05-09-0422	05/09/2003	0422	<1	µg/l	
HC2	HC2-SW-05-09-0822	05/09/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-09-1222	05/09/2003	1222	<1	µg/l	>24 Hours
HC2	HC2-SW-05-09-1622	05/09/2003	1622	<1	µg/l	>24 Hours
HC2	HC2-SW-05-09-2022	05/09/2003	2022	<1	µg/l	>24 Hours
HC2 Dup	SW1122	05/09/2003	2022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-0022	05/10/2003	0022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-0422	05/10/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-0822	05/10/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-1222	05/10/2003	1222	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-1622	05/10/2003	1622	<1	µg/l	>24 Hours
HC2	HC2-SW-05-10-2022	05/10/2003	2022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-11-0022	05/11/2003	0022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-11-0422	05/11/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-11-0822	05/11/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-11-1222	05/11/2003	1222	<1	µg/l	
HC2 Dup	SW1123	05/11/2003	1222	<1	µg/l	
HC2	HC2-SW-05-11-1622	05/11/2003	1622	<1	µg/l	
HC2	HC2-SW-05-11-2022	05/11/2003	2022	<1	µg/l	
HC2	HC2-SW-05-12-0022	05/12/2003	0022	<1	µg/l	
HC2	HC2-SW-05-12-0422	05/12/2003	0422	<1	µg/l	
HC2	HC2-SW-05-12-0822	05/12/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-12-1222	05/12/2003	1222	<1	µg/l	>24 Hours
HC2	HC2-SW-05-12-1622	05/12/2003	1622	<1	µg/l	>24 Hours
HC2	HC2-SW-05-12-2022	05/12/2003	2022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-13-0022	05/13/2003	0022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-13-0422	05/13/2003	0422	<1	µg/l	>24 Hours
HC2 Dup	SW1144	05/13/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-13-0822	05/13/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-13-1222	05/13/2003	1222	<1	µg/l	
HC2	HC2-SW-05-13-1622	05/13/2003	1622	<1	µg/l	
HC2	HC2-SW-05-13-2022	05/13/2003	2022	<1	µg/l	
HC2	HC2-SW-05-14-0022	05/14/2003	0022	<1	µg/l	
HC2	HC2-SW-05-14-0422	05/14/2003	0422	<1	µg/l	
HC2	HC2-SW-05-14-0822	05/14/2003	0822	<1	µg/l	>24 Hours
HC2	HC2-SW-05-14-1222	05/14/2003	1222	<1	µg/l	>24 Hours
HC2	HC2-SW-05-14-1622	05/14/2003	1622	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-05-14-2022	05/14/2003	2022	<1	µg/l	>24 Hours
HC2	HC2-SW-05-15-0022	05/15/2003	0022	<1	µg/l	>24 Hours
HC2 Dup	SW1159	05/15/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-15-0422	05/15/2003	0422	<1	µg/l	>24 Hours
HC2	HC2-SW-05-15-0822	05/15/2003	0822	<1	µg/l	
HC2	HC2-SW-05-15-1222	05/15/2003	1222	<1	µg/l	
HC2	HC2-SW-05-15-1622	05/15/2003	1622	<1	µg/l	
HC2	HC2-SW-05-15-2022	05/15/2003	2022	<1	µg/l	
HC2	HC2-SW-05-16-0022	05/16/2003	0022	<1	µg/l	
HC2	HC2-SW-05-16-0422	05/16/2003	0422	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

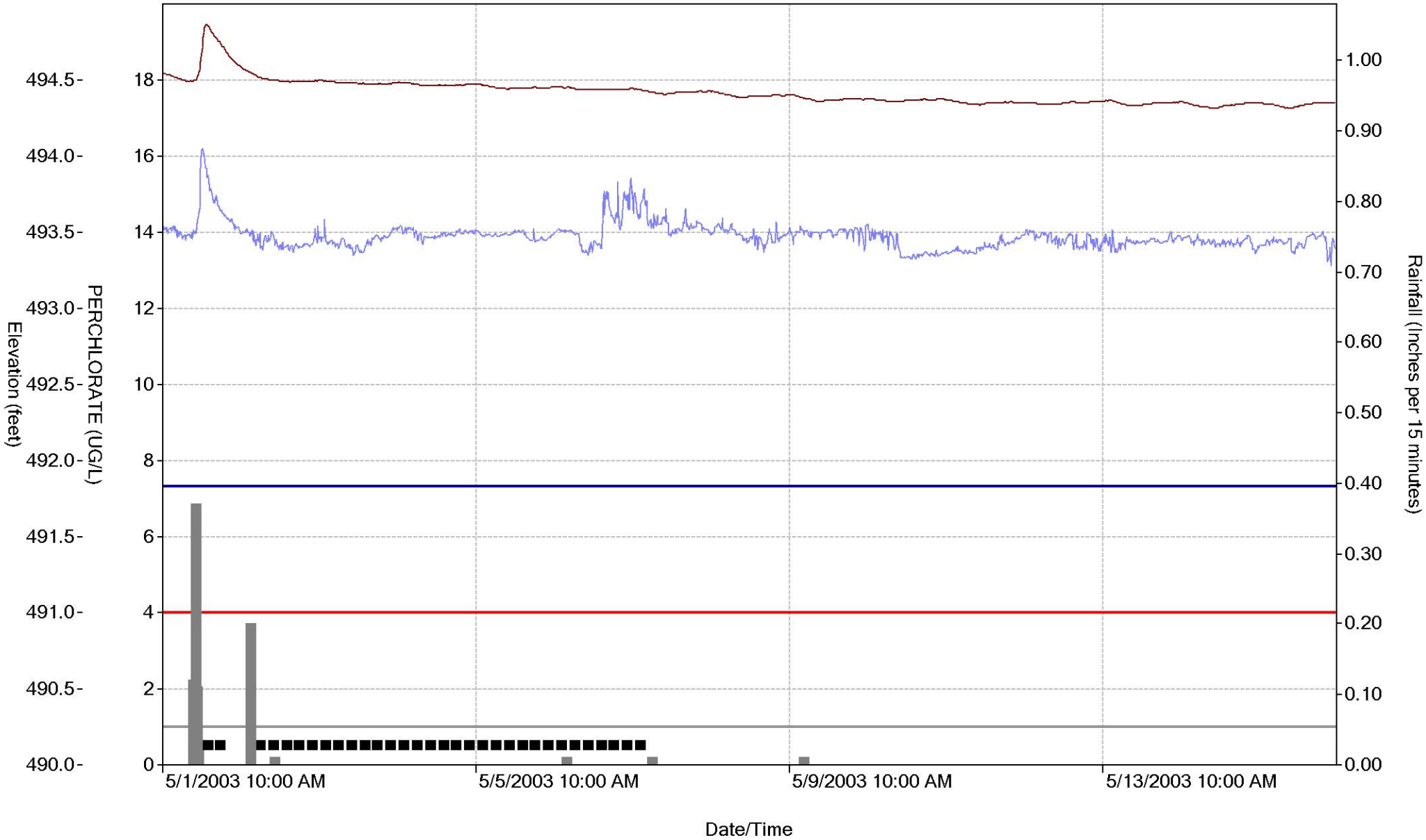
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

South Bosque River at Church Road (SBR3)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR3)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.37	Avg: 0.001
Corrected Surface Elevation	Min: 493.28	Max: 494.05	Avg: 493.471
Corrected Groundwater Elevation	Min: 494.31	Max: 494.86	Avg: 494.414
Bottom of Stream at Bubbler	Min: 491.83	Max: 491.83	Avg: 491.830

FIRST STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	SBR3-SW-05-01-1939	05/01/2003	1939	<1	µg/l	
SBR3	SBR3-SW-05-01-1952	05/01/2003	1952	<1	µg/l	
SBR3	SBR3-SW-05-01-2352	05/01/2003	2352	<1	µg/l	
SBR3	SBR3-SW-05-02-0352	05/02/2003	0352	<1	µg/l	
SBR3	SBR3-SW-05-02-1552	05/02/2003	1552	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-02-1952	05/02/2003	1952	<1	µg/l	
SBR3	SBR3-SW-05-02-2352	05/02/2003	2352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-03-0352	05/03/2003	0352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-03-0752	05/03/2003	0752	<1	µg/l	
SBR3	SBR3-SW-05-03-1152	05/03/2003	1152	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-03-1552	05/03/2003	1552	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-03-1952	05/03/2003	1952	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-03-2352	05/03/2003	2352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-04-0352	05/04/2003	0352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-04-0752	05/04/2003	0752	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-04-1152	05/04/2003	1152	<1	µg/l	
SBR3	SBR3-SW-05-04-1552	05/04/2003	1552	<1	µg/l	
SBR3	SBR3-SW-05-04-1952	05/04/2003	1952	<1	µg/l	
SBR3	SBR3-SW-05-04-2352	05/04/2003	2352	<1	µg/l	
SBR3	SBR3-SW-05-05-0352	05/05/2003	0352	<1	µg/l	
SBR3 Dup	SW1074	05/05/2003	0352	<1	µg/l	
SBR3	SBR3-SW-05-05-0752	05/05/2003	0752	<1	µg/l	>24 Hours
SBR3 Dup	SW1100	05/05/2003	0752	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-05-1152	05/05/2003	1152	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-05-1552	05/05/2003	1552	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-05-1952	05/05/2003	1952	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-05-2352	05/05/2003	2352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-06-0352	05/06/2003	0352	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-06-0752	05/06/2003	0752	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-06-1152	05/06/2003	1152	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-06-1552	05/06/2003	1552	<1	µg/l	
SBR3	SBR3-SW-05-06-1952	05/06/2003	1952	<1	µg/l	
SBR3	SBR3-SW-05-06-2352	05/06/2003	2352	<1	µg/l	
SBR3 Dup	SW1101	05/06/2003	2352	<1	µg/l	
SBR3	SBR3-SW-05-07-0352	05/07/2003	0352	<1	µg/l	
SBR3	SBR3-SW-05-07-0752	05/07/2003	0752	<1	µg/l	>24 Hours
SBR3	SBR3-SW-05-07-1152	05/07/2003	1152	<1	µg/l	>24 Hours
SBR3 Dup	SW1118	05/07/2003	1152	<1	µg/l	>24 Hours
SBR3	Not Sampled	05/07/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/07/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/07/2003	2357	--	--	Equipment Error
SBR3	Not Sampled	05/08/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/08/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/08/2003	1152	--	--	Equipment Error

FIRST STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

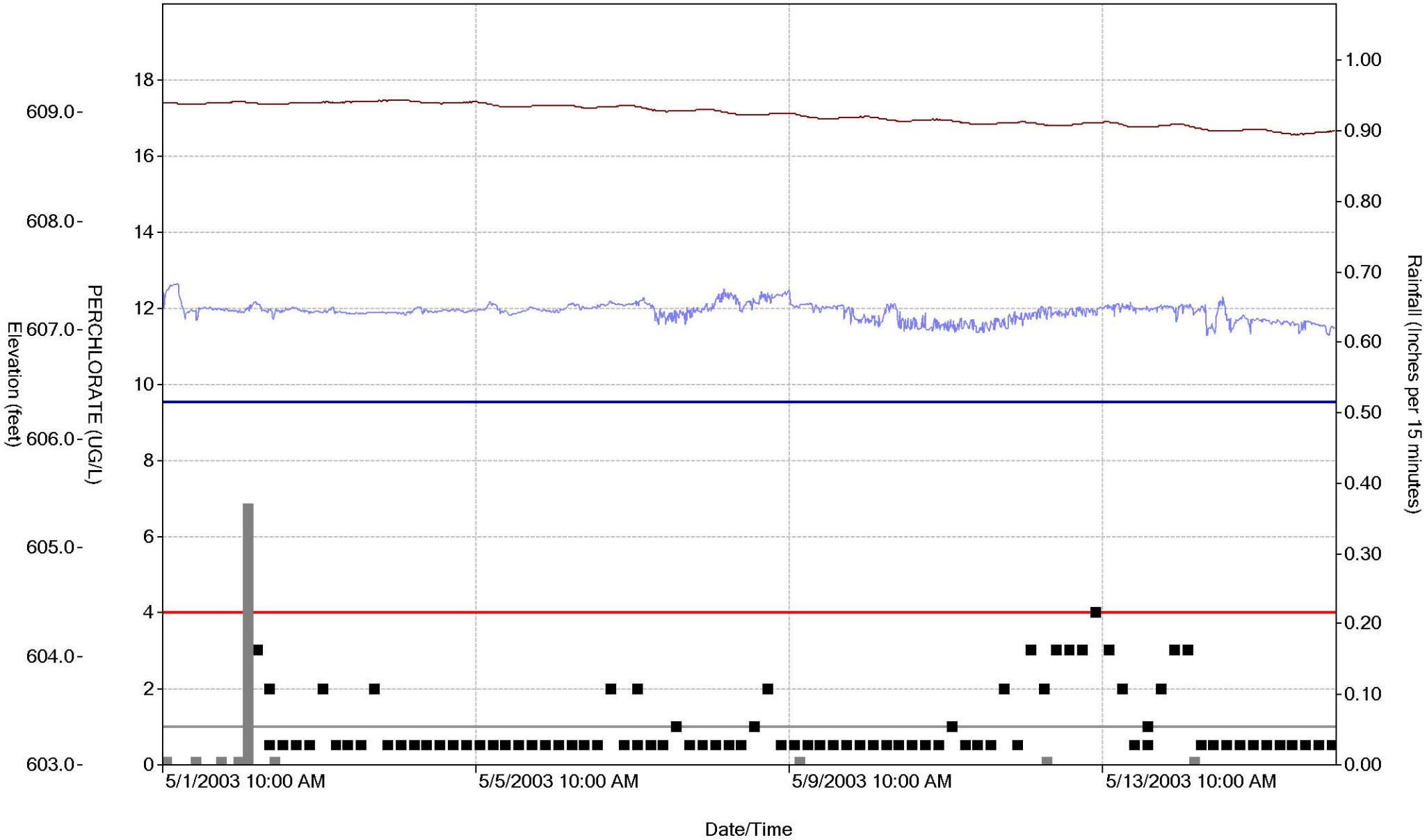
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	Not Sampled	05/08/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/08/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/08/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/09/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/10/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/11/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/12/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/13/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	1952	--	--	Equipment Error
SBR3	Not Sampled	05/14/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/15/2003	0352	--	--	Equipment Error
SBR3	Not Sampled	05/15/2003	0752	--	--	Equipment Error
SBR3	Not Sampled	05/15/2003	1152	--	--	Equipment Error
SBR3	Not Sampled	05/15/2003	1552	--	--	Equipment Error
SBR3	Not Sampled	05/15/2003	1952	--	--	Equipment Error

FIRST STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	Not Sampled	05/15/2003	2352	--	--	Equipment Error
SBR3	Not Sampled	05/16/2003	0352	--	--	Equipment Error

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

South Bosque River at Indian Trail (SBR1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR1)	Min: 0.5	Max: 4.0	Avg: 0.94
Rainfall	Min: 0.00	Max: 0.37	Avg: < 0.0005
Corrected Surface Elevation	Min: 606.95	Max: 607.42	Avg: 607.163
Corrected Groundwater Elevation	Min: 608.80	Max: 609.11	Avg: 608.979
Bottom of Stream at Bubbler	Min: 606.34	Max: 606.34	Avg: 606.340

FIRST STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-05-02-1214	05/02/2003	1214	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-02-1456	05/02/2003	1456	**3 J**	µg/l	>24 Hours
SBR1 Dup	SW1061	05/02/2003	1856	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-02-1856	05/02/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-02-2256	05/02/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-0256	05/03/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-0656	05/03/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-1056	05/03/2003	1056	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-1456	05/03/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-1856	05/03/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-03-2256	05/03/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-04-0256	05/04/2003	0256	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-04-0656	05/04/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-04-1056	05/04/2003	1056	<1	µg/l	
SBR1	SBR1-SW-05-04-1456	05/04/2003	1456	<1	µg/l	
SBR1 Dup	SW1066	05/04/2003	1456	<1	µg/l	
SBR1	SBR1-SW-05-04-1856	05/04/2003	1856	<1	µg/l	
SBR1	SBR1-SW-05-04-2256	05/04/2003	2256	<1	µg/l	
SBR1	SBR1-SW-05-05-0256	05/05/2003	0256	<1	µg/l	
SBR1	SBR1-SW-05-05-0656	05/05/2003	0656	<1	µg/l	
SBR1	SBR1-SW-05-05-1056	05/05/2003	1056	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-05-1456	05/05/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-05-1856	05/05/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-05-2256	05/05/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-06-0256	05/06/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-06-0656	05/06/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-06-1057	05/06/2003	1057	<1	µg/l	>24 Hours
SBR1 Dup	SW1097	05/06/2003	1057	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-06-1456	05/06/2003	1456	<1	µg/l	
SBR1	SBR1-SW-05-06-1856	05/06/2003	1856	<1	µg/l	
SBR1	SBR1-SW-05-06-2256	05/06/2003	2256	<1	µg/l	
SBR1	SBR1-SW-05-07-0256	05/07/2003	0256	**2 J**	µg/l	
SBR1	SBR1-SW-05-07-0656	05/07/2003	0656	<1	µg/l	
SBR1	SBR1-SW-05-07-1056	05/07/2003	1056	**2 J**	µg/l	>24 Hours
SBR1 Dup	SW1114	05/07/2003	1056	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-07-1456	05/07/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-07-1856	05/07/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-07-2256	05/07/2003	2256	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-08-0256	05/08/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-08-0656	05/08/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-08-1056	05/08/2003	1056	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-08-1456	05/08/2003	1456	<1	µg/l	
SBR1	SBR1-SW-05-08-1856	05/08/2003	1856	<1	µg/l	
SBR1	SBR1-SW-05-08-2256	05/08/2003	2256	**1 J**	µg/l	

FIRST STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-05-09-0256	05/09/2003	0256	**2 J**	µg/l	
SBR1	SBR1-SW-05-09-0656	05/09/2003	0656	<1	µg/l	
SBR1 Dup	SW1115	05/09/2003	0656	<1	µg/l	
SBR1	SBR1-SW-05-09-1056	05/09/2003	1056	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-09-1456	05/09/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-09-1856	05/09/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-09-2256	05/09/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-0256	05/10/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-0656	05/10/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-1057	05/10/2003	1057	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-1456	05/10/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-1856	05/10/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-10-2256	05/10/2003	2256	<1	µg/l	>24 Hours
SBR1 Dup	SW1137	05/10/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-11-0256	05/11/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-11-0656	05/11/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-11-1056	05/11/2003	1056	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-11-1456	05/11/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-11-1856	05/11/2003	1856	<1	µg/l	
SBR1	SBR1-SW-05-11-2256	05/11/2003	2256	<1	µg/l	
SBR1	SBR1-SW-05-12-0256	05/12/2003	0256	**2 J**	µg/l	
SBR1	SBR1-SW-05-12-0656	05/12/2003	0656	<1	µg/l	
SBR1	SBR1-SW-05-12-1056	05/12/2003	1056	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-12-1456	05/12/2003	1456	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-12-1856	05/12/2003	1856	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-12-2256	05/12/2003	2256	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-13-0256	05/13/2003	0256	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-13-0656	05/13/2003	0656	**4**	µg/l	>24 Hours
SBR1	SBR1-SW-05-13-1056	05/13/2003	1056	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-13-1456	05/13/2003	1456	**2 J**	µg/l	
SBR1	SBR1-SW-05-13-1856	05/13/2003	1856	<1	µg/l	
SBR1	SBR1-SW-05-13-2256	05/13/2003	2256	<1	µg/l	
SBR1 Dup	SW1154	05/13/2003	2256	**1 J**	µg/l	
SBR1	SBR1-SW-05-14-0256	05/14/2003	0256	**2 J**	µg/l	
SBR1	SBR1-SW-05-14-0656	05/14/2003	0656	**3 J**	µg/l	
SBR1	SBR1-SW-05-14-1057	05/14/2003	1057	**3 J**	µg/l	>24 Hours
SBR1	SBR1-SW-05-14-1456	05/14/2003	1456	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-14-1856	05/14/2003	1856	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-14-2256	05/14/2003	2256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-15-0256	05/15/2003	0256	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-15-0656	05/15/2003	0656	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-15-1056	05/15/2003	1056	<1	µg/l	>24 Hours
SBR1	SBR1-SW-05-15-1456	05/15/2003	1456	<1	µg/l	
SBR1	SBR1-SW-05-15-1856	05/15/2003	1856	<1	µg/l	

FIRST STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-05-15-2256	05/15/2003	2256	<1	µg/l	
SBR1 Dup	SW1169	05/15/2003	2256	<1	µg/l	
SBR1	SBR1-SW-05-16-0256	05/16/2003	0256	<1	µg/l	
SBR1	SBR1-SW-05-16-0656	05/16/2003	0656	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

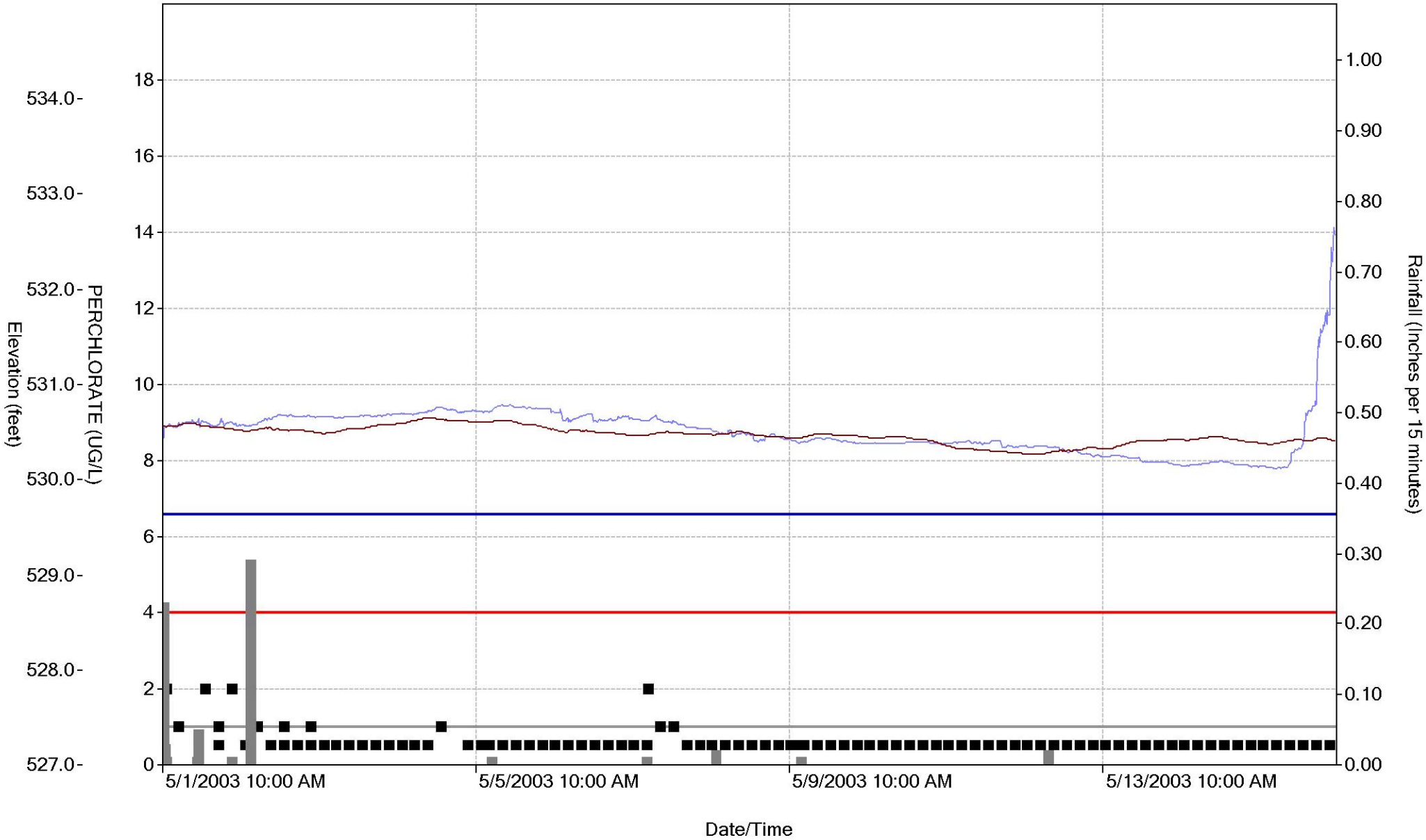
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

South Bosque River near Cotton Belt Parkway (SBR2)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR2)	Min: 0.5	Max: 2.0	Avg: 0.63
Rainfall	Min: 0.00	Max: 0.29	Avg: < 0.0005
Corrected Surface Elevation	Min: 530.11	Max: 532.65	Avg: 530.501
Corrected Groundwater Elevation	Min: 530.26	Max: 530.64	Avg: 530.461
Bottom of Stream at Bubbler	Min: 529.63	Max: 529.63	Avg: 529.630

FIRST STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2	SBR2-SW-05-01-1010	05/01/2003	1010	**2 J**	µg/l	
SBR2	SBR2-SW-05-01-1017	05/01/2003	1017	**2 J**	µg/l	
SBR2	SBR2-SW-05-01-1117	05/01/2003	1117	**2 J**	µg/l	
SBR2	SBR2-SW-05-01-1517	05/01/2003	1517	**1 J**	µg/l	
SBR2	SBR2-SW-05-01-2317	05/01/2003	2317	**2 J**	µg/l	
SBR2	SBR2-SW-05-02-0317	05/02/2003	0317	**1 J**	µg/l	
SBR2 Dup	SW1060	05/02/2003	0317	<1	µg/l	
SBR2	SBR2-SW-05-02-0717	05/02/2003	0717	**2 J**	µg/l	
SBR2	SBR2-SW-05-02-1117	05/02/2003	1117	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-02-1517	05/02/2003	1517	**1 J**	µg/l	>24 Hours
SBR2	SBR2-SW-05-02-1917	05/02/2003	1917	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-02-1917	05/02/2003	2317	<1	µg/l	>24 Hours
SBR2 Dup	SW1075	05/02/2003	2317	**1 J**	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-0317	05/03/2003	0317	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-0717	05/03/2003	0717	<1	µg/l	>24 Hours
SBR2 Dup	SW1077	05/03/2003	0717	**1 J**	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-1117	05/03/2003	1117	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-1517	05/03/2003	1517	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-1917	05/03/2003	1917	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-03-2317	05/03/2003	2317	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-04-0317	05/04/2003	0317	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-04-0717	05/04/2003	0717	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-04-1117	05/04/2003	1117	<1	µg/l	
SBR2	SBR2-SW-05-04-1517	05/04/2003	1517	<1	µg/l	
SBR2	SBR2-SW-05-04-1917	05/04/2003	1917	<1	µg/l	
SBR2	SBR2-SW-05-04-2317	05/04/2003	2317	**1 J**	µg/l	
SBR2	SBR2-SW-05-05-0717	05/05/2003	0717	<1	µg/l	
SBR2	SBR2-SW-05-05-0717	05/05/2003	0717	<1	µg/l	
SBR2	SBR2-SW-05-05-1117	05/05/2003	1117	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-05-1400	05/05/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-05-1800	05/05/2003	1800	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-05-2200	05/05/2003	2200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-06-0200	05/06/2003	0200	<1	µg/l	>24 Hours
SBR2 Dup	SW1098	05/06/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-06-0600	05/06/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-06-1000	05/06/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-06-1400	05/06/2003	1400	<1	µg/l	
SBR2	SBR2-SW-05-06-1800	05/06/2003	1800	<1	µg/l	
SBR2	SBR2-SW-05-06-2200	05/06/2003	2200	<1	µg/l	
SBR2	SBR2-SW-05-07-0200	05/07/2003	0200	<1	µg/l	
SBR2	SBR2-SW-05-07-0600	05/07/2003	0600	<1	µg/l	
SBR2	SBR2-SW-05-07-1000	05/07/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-07-1400	05/07/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-07-1423	05/07/2003	1423	**2 J**	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2	SBR2-SW-05-07-1800	05/07/2003	1800	**1 J**	µg/l	>24 Hours
SBR2	SBR2-SW-05-07-2200	05/07/2003	2200	**1 J**	µg/l	>24 Hours
SBR2	SBR2-SW-05-08-0200	05/08/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-08-0600	05/08/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-08-1000	05/08/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-08-1400	05/08/2003	1400	<1	µg/l	
SBR2	SBR2-SW-05-08-1800	05/08/2003	1800	<1	µg/l	
SBR2 Dup	SW1116	05/08/2003	1800	<1	µg/l	
SBR2	SBR2-SW-05-08-2200	05/08/2003	2200	<1	µg/l	
SBR2	SBR2-SW-05-09-0200	05/09/2003	0200	<1	µg/l	
SBR2	SBR2-SW-05-09-0600	05/09/2003	0600	<1	µg/l	
SBR2	SBR2-SW-05-09-1000	05/09/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-09-1311	05/09/2003	1311	<1	µg/l	>24 Hours
SBR2 Dup	SW1138	05/09/2003	1311	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-09-1400	05/09/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-09-1800	05/09/2003	1800	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-09-2200	05/09/2003	2200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-0200	05/10/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-0600	05/10/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-1000	05/10/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-1400	05/10/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-1800	05/10/2003	1800	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-10-2200	05/10/2003	2200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-11-0200	05/11/2003	0200	<1	µg/l	>24 Hours
SBR2 Dup	SW1139	05/11/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-11-0600	05/11/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-11-1000	05/11/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-11-1400	05/11/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-11-1800	05/11/2003	1800	<1	µg/l	
SBR2	SBR2-SW-05-11-2200	05/11/2003	2200	<1	µg/l	
SBR2	SBR2-SW-05-12-0200	05/12/2003	0200	<1	µg/l	
SBR2	SBR2-SW-05-12-0600	05/12/2003	0600	<1	µg/l	
SBR2	SBR2-SW-05-12-1000	05/12/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-12-1400	05/12/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-12-1800	05/12/2003	1800	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-12-2200	05/12/2003	2200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-13-0200	05/13/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-13-0600	05/13/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-13-1000	05/13/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-13-1400	05/13/2003	1400	<1	µg/l	>24 Hours
SBR2 Dup	SW1155	05/13/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-13-1800	05/13/2003	1800	<1	µg/l	
SBR2	SBR2-SW-05-13-2200	05/13/2003	2200	<1	µg/l	
SBR2	SBR2-SW-05-14-0200	05/14/2003	0200	<1	µg/l	

FIRST STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2	SBR2-SW-05-14-0600	05/14/2003	0600	<1	µg/l	
SBR2	SBR2-SW-05-14-1000	05/14/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-14-1400	05/14/2003	1400	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-14-1800	05/14/2003	1800	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-14-2200	05/14/2003	2200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-15-0200	05/15/2003	0200	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-15-0600	05/15/2003	0600	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-15-1000	05/15/2003	1000	<1	µg/l	>24 Hours
SBR2	SBR2-SW-05-15-1400	05/15/2003	1400	<1	µg/l	
SBR2 Dup	SW1170	05/15/2003	1400	<1	µg/l	
SBR2	SBR2-SW-05-15-1800	05/15/2003	1800	<1	µg/l	
SBR2	SBR2-SW-05-15-2200	05/15/2003	2200	<1	µg/l	
SBR2	SBR2-SW-05-16-0200	05/16/2003	0200	<1	µg/l	
SBR2	SBR2-SW-05-16-0600	05/16/2003	0600	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

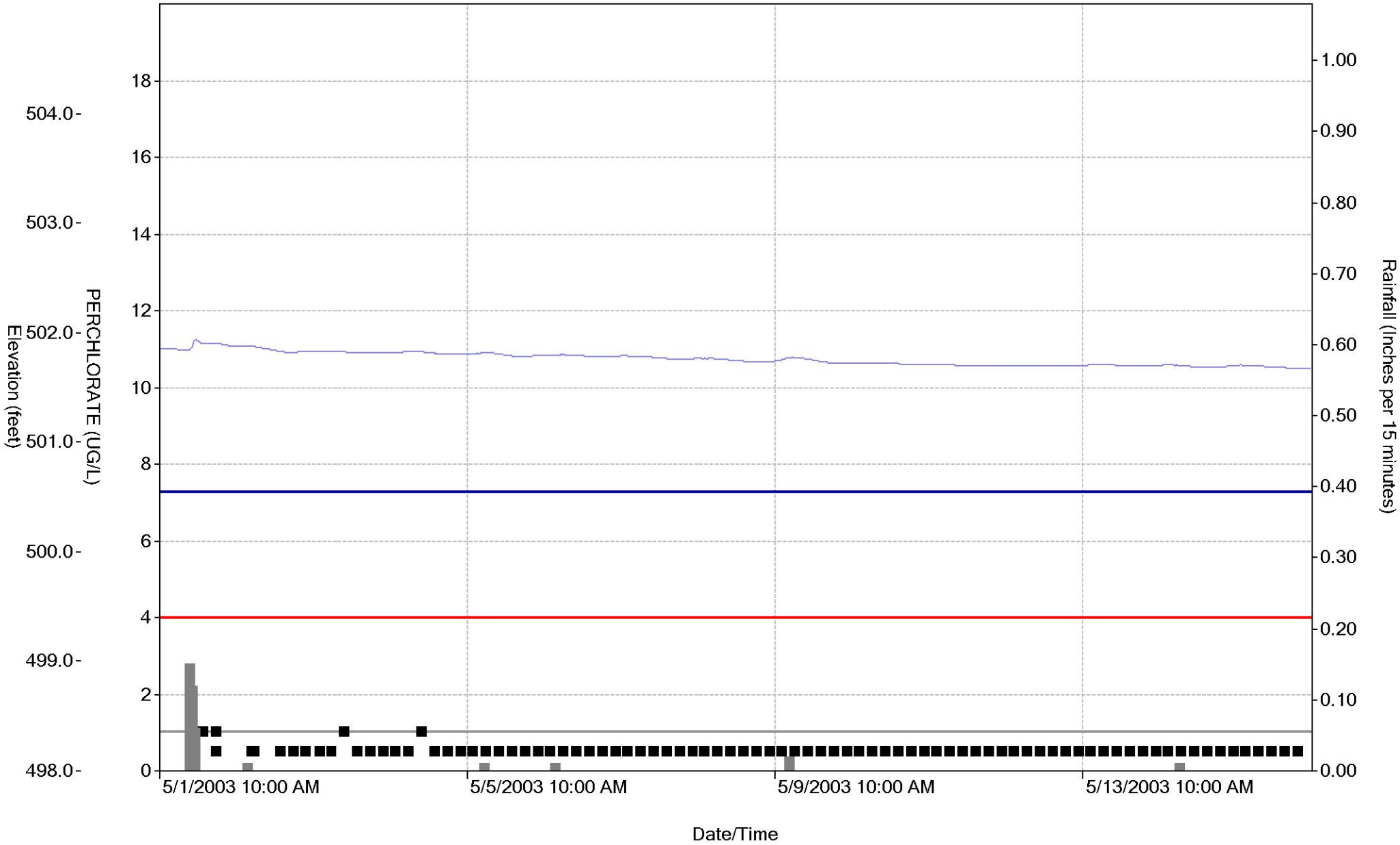
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

South Bosque River near Ruff Road (SBR4)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR4)	Min: 0.5	Max: 1.0	Avg: 0.52
Rainfall	Min: 0.00	Max: 0.15	Avg: < 0.0005
Corrected Surface Elevation	Min: 501.67	Max: 501.93	Avg: 501.755
Bottom of Stream at Bubbler	Min: 500.54	Max: 500.54	Avg: 500.540

FIRST STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-05-01-1939	05/01/2003	1939	<1	µg/l	
SBR4	SBR4-SW-05-01-2338	05/01/2003	2338	**1 J**	µg/l	
SBR4	SBR4-SW-05-02-0338	05/02/2003	0338	**1 J**	µg/l	
SBR4 Dup	SW1059	05/02/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-02-1438	05/02/2003	1438	<1	µg/l	>24 Hours
SBR4 Dup	SW1067	05/02/2003	1438	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-02-1538	05/02/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-02-2338	05/02/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-03-0338	05/03/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-03-0730	05/03/2003	0730	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-03-1138	05/03/2003	1138	<1	µg/l	
SBR4	SBR4-SW-05-03-1538	05/03/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-03-1938	05/03/2003	1938	**1 J**	µg/l	>24 Hours
SBR4	SBR4-SW-05-03-2338	05/03/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-04-0338	05/04/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-04-0738	05/04/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-04-1138	05/04/2003	1138	<1	µg/l	
SBR4	SBR4-SW-05-04-1538	05/04/2003	1538	<1	µg/l	
SBR4 Dup	SW1069	05/04/2003	1538	<1	µg/l	
SBR4	SBR4-SW-05-04-1938	05/04/2003	1938	**1 J**	µg/l	
SBR4	SBR4-SW-05-04-2338	05/04/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-05-0338	05/05/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-05-0738	05/05/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-05-1138	05/05/2003	1138	<1	µg/l	>24 Hours
SBR4 Dup	SW1099	05/05/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-05-1538	05/05/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-05-1938	05/05/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-05-2338	05/05/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-06-0338	05/06/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-06-0738	05/06/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-06-1138	05/06/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-06-1538	05/06/2003	1538	<1	µg/l	
SBR4	SBR4-SW-05-06-1938	05/06/2003	1938	<1	µg/l	
SBR4	SBR4-SW-05-06-2338	05/06/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-07-0338	05/07/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-07-0738	05/07/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-07-1138	05/07/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-07-1538	05/07/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-07-1938	05/07/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-07-2338	05/07/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-08-0338	05/08/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-08-0738	05/08/2003	0738	<1	µg/l	>24 Hours
SBR4 Dup	SW1117	05/08/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-08-1138	05/08/2003	1138	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-05-08-1538	05/08/2003	1538	<1	µg/l	
SBR4	SBR4-SW-05-08-1938	05/08/2003	1938	<1	µg/l	
SBR4	SBR4-SW-05-08-2338	05/08/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-09-0338	05/09/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-09-1138	05/09/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-09-1538	05/09/2003	1538	<1	µg/l	>24 Hours
SBR4 Dup	SW1140	05/09/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-09-1938	05/09/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-09-2338	05/09/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-0338	05/10/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-0738	05/10/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-1138	05/10/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-1538	05/10/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-1938	05/10/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-10-2338	05/10/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-11-0338	05/11/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-11-0738	05/11/2003	0738	<1	µg/l	>24 Hours
SBR4 Dup	SW1141	05/11/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-11-1138	05/11/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-11-1538	05/11/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-11-1938	05/11/2003	1938	<1	µg/l	
SBR4	SBR4-SW-05-11-2338	05/11/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-12-0338	05/12/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-12-0738	05/12/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-12-1138	05/12/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-12-1538	05/12/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-12-1938	05/12/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-12-2338	05/12/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-13-0338	05/13/2003	0338	<1	µg/l	>24 Hours
SBR4 Dup	SW1156	05/13/2003	0338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-13-0738	05/13/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-13-1138	05/13/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-13-1538	05/13/2003	1538	<1	µg/l	
SBR4	SBR4-SW-05-13-1938	05/13/2003	1938	<1	µg/l	
SBR4	SBR4-SW-05-13-2338	05/13/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-14-0338	05/14/2003	0338	<1	µg/l	
SBR4	SBR4-SW-05-14-0738	05/14/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-14-1138	05/14/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-14-1538	05/14/2003	1538	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-14-1938	05/14/2003	1938	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-14-2338	05/14/2003	2338	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-15-0338	05/15/2003	0338	<1	µg/l	>24 Hours
SBR4 Dup	SW1171	05/15/2003	0338	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-05-15-0738	05/15/2003	0738	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-15-1138	05/15/2003	1138	<1	µg/l	>24 Hours
SBR4	SBR4-SW-05-15-1538	05/15/2003	1538	<1	µg/l	
SBR4	SBR4-SW-05-15-1938	05/15/2003	1938	<1	µg/l	
SBR4	SBR4-SW-05-15-2338	05/15/2003	2338	<1	µg/l	
SBR4	SBR4-SW-05-16-0338	05/16/2003	0338	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

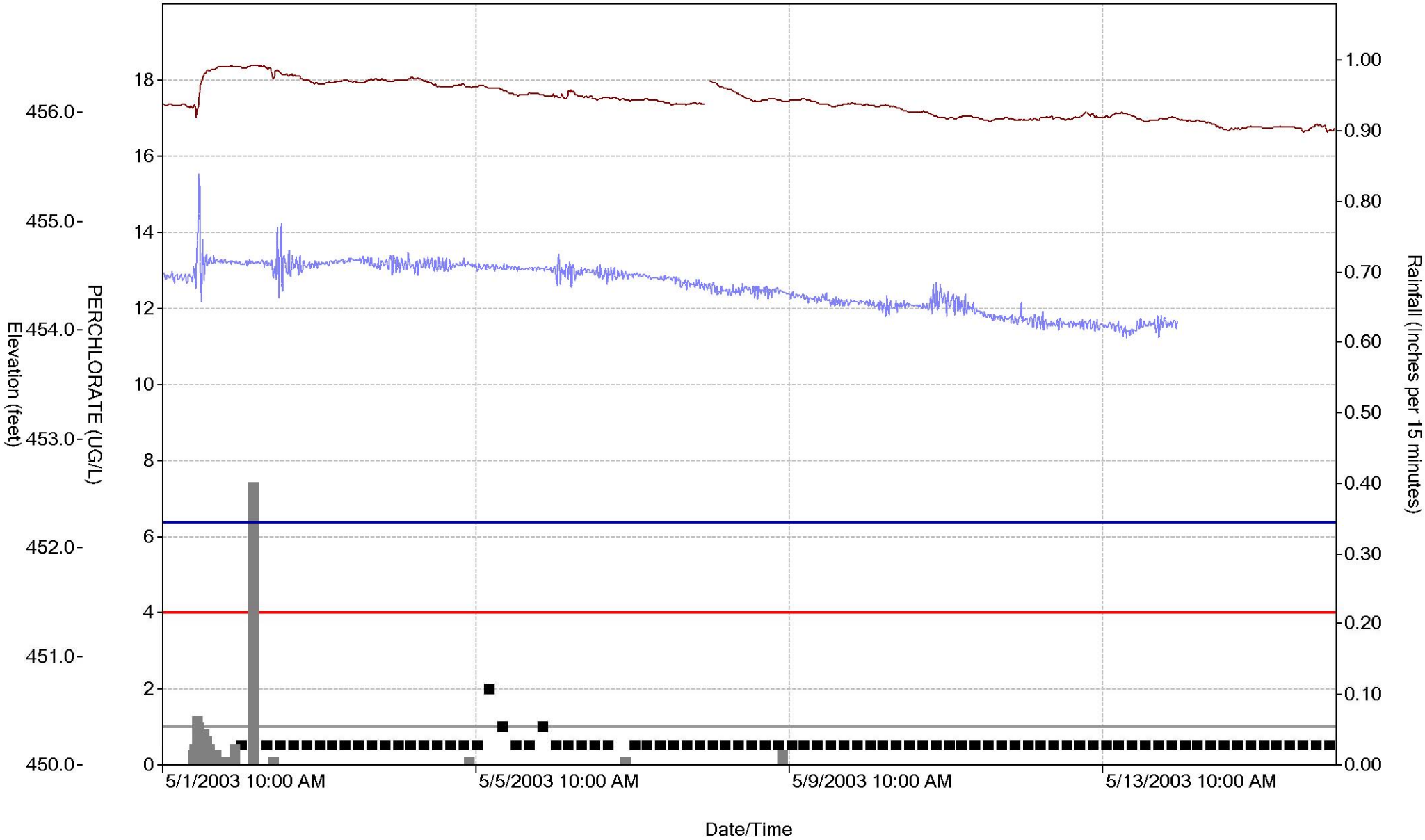
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

South Bosque River at 84 (SBR5)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR5)	Min: 0.5	Max: 2.0	Avg: 0.53
Rainfall (MBR-1 data used as no rain gauge installed at SBR-5)	Min: 0.00	Max: 0.40	Avg: 0.001
Corrected Surface Elevation	Min: 453.92	Max: 455.44	Avg: 454.391
Corrected Groundwater Elevation	Min: 455.82	Max: 456.43	Avg: 456.093
Bottom of Stream at Bubbler	Min: 452.23	Max: 452.23	Avg: 452.230

FIRST STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	SBR5-SW-05-02-1015	05/02/2003	1015	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-02-1404	05/02/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-02-1804	05/02/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-02-2204	05/02/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-0204	05/03/2003	0204	<1	µg/l	>24 Hours
SBR5 Dup	SW1073	05/03/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-0604	05/03/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-1004	05/03/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-1404	05/03/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-1804	05/03/2003	1804	<1	µg/l	>24 Hours
SBR5 Dup	SW1072	05/03/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-03-2204	05/03/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-04-0204	05/04/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-04-0604	05/04/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-04-1004	05/04/2003	1004	<1	µg/l	
SBR5	SBR5-SW-05-04-1404	05/04/2003	1404	<1	µg/l	
SBR5 Dup	SW1071	05/04/2003	1404	<1	µg/l	
SBR5	SBR5-SW-05-04-1804	05/04/2003	1804	<1	µg/l	
SBR5	SBR5-SW-05-04-2204	05/04/2003	2204	<1	µg/l	
SBR5	SBR5-SW-05-05-0204	05/05/2003	0204	<1	µg/l	
SBR5	SBR5-SW-05-05-0604	05/05/2003	0604	<1	µg/l	
SBR5	SBR5-SW-05-05-1004	05/05/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-05-1404	05/05/2003	1404	**2 J**	µg/l	>24 Hours
SBR5	SBR5-SW-05-05-1804	05/05/2003	1804	**1 J**	µg/l	>24 Hours
SBR5	SBR5-SW-05-05-2204	05/05/2003	2204	<1	µg/l	>24 Hours
SBR5 Dup	SW1086	05/05/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-06-0204	05/06/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-06-0604	05/06/2003	0604	**1 J**	µg/l	>24 Hours
SBR5	SBR5-SW-05-06-1004	05/06/2003	1004	<1	µg/l	
SBR5	SBR5-SW-05-06-1404	05/06/2003	1404	<1	µg/l	
SBR5	SBR5-SW-05-06-1804	05/06/2003	1804	<1	µg/l	
SBR5	SBR5-SW-05-06-2204	05/06/2003	2204	<1	µg/l	
SBR5	SBR5-SW-05-07-0204	05/07/2003	0204	<1	µg/l	
SBR5	SBR5-SW-05-07-1004	05/07/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-07-1404	05/07/2003	1404	<1	µg/l	>24 Hours
SBR5 Dup	SW1103	05/07/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-07-1804	05/07/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-07-2204	05/07/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-08-0204	05/08/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-08-0604	05/08/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-08-1004	05/08/2003	1004	<1	µg/l	
SBR5	SBR5-SW-05-08-1404	05/08/2003	1404	<1	µg/l	
SBR5	SBR5-SW-05-08-1804	05/08/2003	1804	<1	µg/l	
SBR5	SBR5-SW-05-08-2204	05/08/2003	2204	<1	µg/l	

FIRST STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	SBR5-SW-05-09-0204	05/09/2003	0204	<1	µg/l	
SBR5	SBR5-SW-05-09-0604	05/09/2003	0604	<1	µg/l	
SBR5 Dup	SW1104	05/09/2003	0604	<1	µg/l	
SBR5	SBR5-SW-05-09-1004	05/09/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-09-1404	05/09/2003	1404	<1	µg/l	>24 Hours
SBR5 Dup	SW1120	05/09/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-09-1804	05/09/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-09-2204	05/09/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-0204	05/10/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-0604	05/10/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-1004	05/10/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-1404	05/10/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-1804	05/10/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-10-2204	05/10/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-11-0204	05/11/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-11-0604	05/11/2003	0604	<1	µg/l	>24 Hours
SBR5 Dup	SW1121	05/11/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-11-1004	05/11/2003	1004	<1	µg/l	
SBR5	SBR5-SW-05-11-1404	05/11/2003	1404	<1	µg/l	
SBR5	SBR5-SW-05-11-1804	05/11/2003	1804	<1	µg/l	
SBR5	SBR5-SW-05-11-2204	05/11/2003	2204	<1	µg/l	
SBR5	SBR5-SW-05-12-0204	05/12/2003	0204	<1	µg/l	
SBR5	SBR5-SW-05-12-0604	05/12/2003	0604	<1	µg/l	
SBR5	SBR5-SW-05-12-1004	05/12/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-12-1404	05/12/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-12-1804	05/12/2003	1804	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-12-2204	05/12/2003	2204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-13-0204	05/13/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-13-0604	05/13/2003	0604	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-13-1004	05/13/2003	1004	<1	µg/l	
SBR5	SBR5-SW-05-13-1404	05/13/2003	1404	<1	µg/l	
SBR5 Dup	SW1143	05/13/2003	1404	<1	µg/l	
SBR5	SBR5-SW-05-13-1804	05/13/2003	1804	<1	µg/l	
SBR5	SBR5-SW-05-13-2204	05/13/2003	2204	<1	µg/l	
SBR5	SBR5-SW-05-14-0204	05/14/2003	0204	<1	µg/l	
SBR5	SBR5-SW-05-14-0604	05/14/2003	0604	<1	µg/l	
SBR5	SBR5-SW-05-14-1004	05/14/2003	1004	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-14-1404	05/14/2003	1404	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-14-1803	05/14/2003	1803	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-14-2203	05/14/2003	2203	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-15-0204	05/15/2003	0204	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-15-0603	05/15/2003	0603	<1	µg/l	>24 Hours
SBR5	SBR5-SW-05-15-1003	05/15/2003	1003	<1	µg/l	
SBR5	SBR5-SW-05-15-1403	05/15/2003	1403	<1	µg/l	

FIRST STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5 Dup	SW1158	05/15/2003	1403	<1	µg/l	
SBR5	SBR5-SW-05-15-1803	05/15/2003	1803	<1	µg/l	
SBR5	SBR5-SW-05-15-2203	05/15/2003	2203	<1	µg/l	
SBR5	SBR5-SW-05-16-0203	05/16/2003	0203	<1	µg/l	
SBR5	SBR5-SW-05-16-0603	05/16/2003	0603	<1	µg/l	

Non-detect sample data are reported to the method detection limit.

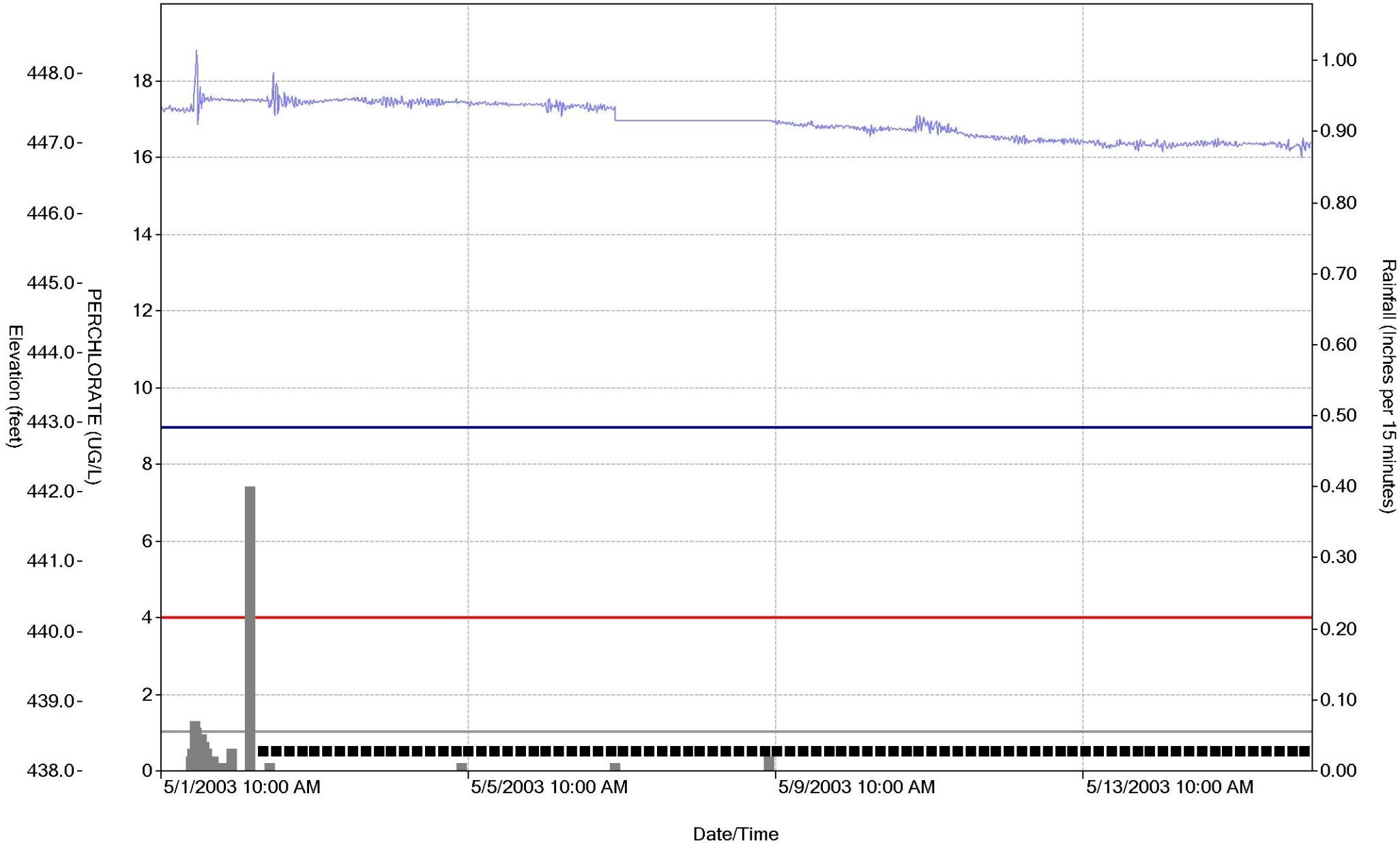
Bold Bolded result indicates positively identified compound.

µg/l micrograms per liter.

Dup Duplicate.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

Middle Bosque River downstream of intersection of South Bosque (MBR1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (MBR1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.40	Avg: 0.001
Corrected Surface Elevation	Min: 446.80	Max: 448.33	Avg: 447.309
Bottom of Stream at Bubbler	Min: 442.91	Max: 442.91	Avg: 442.910

FIRST STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-05-02-1349	05/02/2003	1349	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-02-1357	05/02/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-02-1757	05/02/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-02-2157	05/02/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-0157	05/03/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-0557	05/03/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-0957	05/03/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-1357	05/03/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-1757	05/03/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-03-2157	05/03/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-04-0157	05/04/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-04-0557	05/04/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-04-0957	05/04/2003	0957	<1	µg/l	
MBR1	MBR1-SW-05-04-1357	05/04/2003	1357	<1	µg/l	
MBR1	MBR1-SW-05-04-1757	05/04/2003	1757	<1	µg/l	
MBR1	MBR1-SW-05-04-2157	05/04/2003	2157	<1	µg/l	
MBR1	MBR1-SW-05-05-0157	05/05/2003	0157	<1	µg/l	
MBR1	MBR1-SW-05-05-0557	05/05/2003	0557	<1	µg/l	
MBR1	MBR1-SW-05-05-0957	05/05/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-05-1357	05/05/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-05-1757	05/05/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-05-2157	05/05/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-0157	05/06/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-0557	05/06/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-0957	05/06/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-1357	05/06/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-1757	05/06/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-06-2157	05/06/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-0157	05/07/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-0557	05/07/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-0957	05/07/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-1357	05/07/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-1757	05/07/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-07-2157	05/07/2003	2157	<1	µg/l	>24 Hours
MBR1 Dup	SW1102	05/07/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-08-0157	05/08/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-08-0557	05/08/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-08-0957	05/08/2003	0957	<1	µg/l	
MBR1	MBR1-SW-05-08-1357	05/08/2003	1357	<1	µg/l	
MBR1	MBR1-SW-05-08-1757	05/08/2003	1757	<1	µg/l	
MBR1	MBR1-SW-05-08-2157	05/08/2003	2157	<1	µg/l	
MBR1	MBR1-SW-05-09-0157	05/09/2003	0157	<1	µg/l	
MBR1	MBR1-SW-05-09-0557	05/09/2003	0557	<1	µg/l	
MBR1	MBR1-SW-05-09-0957	05/09/2003	0957	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

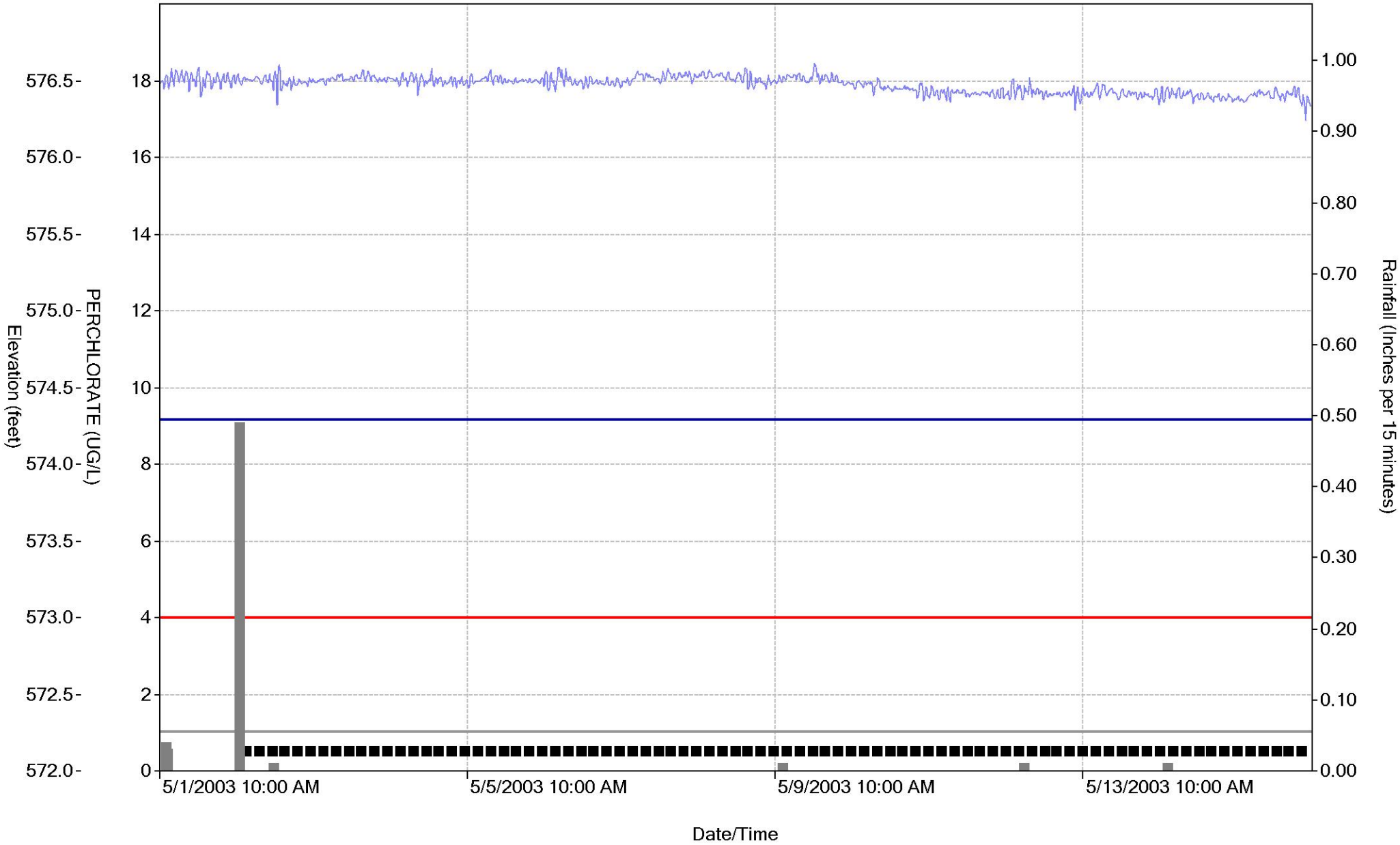
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-05-09-1357	05/09/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-09-1757	05/09/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-09-2157	05/09/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-0157	05/10/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-0557	05/10/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-0957	05/10/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-1357	05/10/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-1757	05/10/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-10-2157	05/10/2003	2157	<1	µg/l	>24 Hours
MBR1 Dup	SW1119	05/10/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-11-0157	05/11/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-11-0557	05/11/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-11-0957	05/11/2003	0957	<1	µg/l	
MBR1	MBR1-SW-05-11-1357	05/11/2003	1357	<1	µg/l	
MBR1	MBR1-SW-05-11-1757	05/11/2003	1757	<1	µg/l	
MBR1	MBR1-SW-05-11-2157	05/11/2003	2157	<1	µg/l	
MBR1	MBR1-SW-05-12-0157	05/12/2003	0157	<1	µg/l	
MBR1	MBR1-SW-05-12-0557	05/12/2003	0557	<1	µg/l	
MBR1	MBR1-SW-05-12-0957	05/12/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-12-1357	05/12/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-12-1757	05/12/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-12-2157	05/12/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-13-0157	05/13/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-13-0557	05/13/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-13-0957	05/13/2003	0957	<1	µg/l	
MBR1	MBR1-SW-05-13-1357	05/13/2003	1357	<1	µg/l	
MBR1	MBR1-SW-05-13-1757	05/13/2003	1757	<1	µg/l	
MBR1	MBR1-SW-05-13-2157	05/13/2003	2157	<1	µg/l	
MBR1 Dup	SW1142	05/13/2003	2157	<1	µg/l	
MBR1	MBR1-SW-05-14-0157	05/14/2003	0157	<1	µg/l	
MBR1	MBR1-SW-05-14-0557	05/14/2003	0557	<1	µg/l	
MBR1	MBR1-SW-05-14-0957	05/14/2003	0957	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-14-1357	05/14/2003	1357	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-14-1757	05/14/2003	1757	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-14-2157	05/14/2003	2157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-15-0157	05/15/2003	0157	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-15-0557	05/15/2003	0557	<1	µg/l	>24 Hours
MBR1	MBR1-SW-05-15-0957	05/15/2003	0957	<1	µg/l	
MBR1	MBR1-SW-05-15-1357	05/15/2003	1357	<1	µg/l	
MBR1	MBR1-SW-05-15-1757	05/15/2003	1757	<1	µg/l	
MBR1	MBR1-SW-05-15-2157	05/15/2003	2157	<1	µg/l	
MBR1 Dup	SW1157	05/15/2003	2157	<1	µg/l	
MBR1	MBR1-SW-05-16-0157	05/16/2003	0157	<1	µg/l	
MBR1	MBR1-SW-05-16-0557	05/16/2003	0557	<1	µg/l	

FIRST STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Cowhouse Creek at Tank Destroyer Road (CHC1)
Storm Sampling Perchlorate Data vs Time (May 2, 2003 to May 16, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (CHC1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall (LR-1 data used from 11/05/02 to 03/24/03 due to equipment error)	Min: 0.00	Max: 0.49	Avg: < 0.0005
Corrected Surface Elevation	Min: 576.24	Max: 576.61	Avg: 576.468
Bottom of Stream at Bubbler	Min: 574.29	Max: 574.29	Avg: 574.290

FIRST STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-05-02-1054	05/02/2003	1054	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-02-1302	05/02/2003	1302	<1	µg/l	>24 Hours
CHC1 Dup	SW1078	05/02/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-02-1702	05/02/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-02-2102	05/02/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-0102	05/03/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-0502	05/03/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-0902	05/03/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-1302	05/03/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-1702	05/03/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-03-2102	05/03/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-04-0102	05/04/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-04-0502	05/04/2003	0502	<1	µg/l	>24 Hours
CHC1 Dup	SW1079	05/04/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-04-0902	05/04/2003	0902	<1	µg/l	>24 Hours
CHC1 Dup	SW1076	05/04/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-04-1302	05/04/2003	1302	<1	µg/l	
CHC1	CHC1-SW-05-04-1702	05/04/2003	1702	<1	µg/l	
CHC1	CHC1-SW-05-04-2102	05/04/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-05-0102	05/05/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-05-0502	05/05/2003	0502	<1	µg/l	
CHC1	CHC1-SW-05-05-0902	05/05/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-05-1302	05/05/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-05-1702	05/05/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-05-2102	05/05/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-06-0102	05/06/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-06-0502	05/06/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-06-0903	05/06/2003	0903	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-06-1302	05/06/2003	1302	<1	µg/l	
CHC1	CHC1-SW-05-06-1702	05/06/2003	1702	<1	µg/l	
CHC1 Dup	SW1096	05/06/2003	1702	<1	µg/l	
CHC1	CHC1-SW-05-06-2102	05/06/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-07-0102	05/07/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-07-0502	05/07/2003	0502	<1	µg/l	
CHC1	CHC1-SW-05-07-0902	05/07/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-07-1302	05/07/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-07-1702	05/07/2003	1702	<1	µg/l	>24 Hours
CHC1 Dup	SW1113	05/07/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-07-2102	05/07/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-08-0102	05/08/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-08-0502	05/08/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-08-0902	05/08/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-08-1302	05/08/2003	1302	<1	µg/l	
CHC1	CHC1-SW-05-08-1702	05/08/2003	1702	<1	µg/l	

FIRST STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-05-08-2102	05/08/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-09-0102	05/09/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-09-0502	05/09/2003	0502	<1	µg/l	
CHC1	CHC1-SW-05-09-0902	05/09/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-09-1302	05/09/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-09-1702	05/09/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-09-2102	05/09/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-0102	05/10/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-0502	05/10/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-0902	05/10/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-1302	05/10/2003	1302	<1	µg/l	>24 Hours
CHC1 Dup	SW1135	05/10/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-1702	05/10/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-10-2102	05/10/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-11-0102	05/11/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-11-0502	05/11/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-11-0902	05/11/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-11-1302	05/11/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-11-1702	05/11/2003	1702	<1	µg/l	
CHC1	CHC1-SW-05-11-2102	05/11/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-12-0102	05/12/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-12-0502	05/12/2003	0502	<1	µg/l	
CHC1 Dup	SW1136	05/12/2003	0502	<1	µg/l	
CHC1	CHC1-SW-05-12-0902	05/12/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-12-1302	05/12/2003	1302	<1	µg/l	>24 Hours
CHC1 Dup	SW1152	05/12/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-12-1702	05/12/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-12-2102	05/12/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-13-0102	05/13/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-13-0502	05/13/2003	0502	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-13-0902	05/13/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-13-1302	05/13/2003	1302	<1	µg/l	
CHC1	CHC1-SW-05-13-1702	05/13/2003	1702	<1	µg/l	
CHC1	CHC1-SW-05-13-2102	05/13/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-14-0102	05/14/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-14-0502	05/14/2003	0502	<1	µg/l	
CHC1 Dup	SW1153	05/14/2003	0502	<1	µg/l	
CHC1	CHC1-SW-05-14-0902	05/14/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-14-1302	05/14/2003	1302	<1	µg/l	>24 Hours
CHC1 Dup	SW1167	05/14/2003	1302	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-14-1702	05/14/2003	1702	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-14-2102	05/14/2003	2102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-15-0102	05/15/2003	0102	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-15-0502	05/15/2003	0502	<1	µg/l	>24 Hours

FIRST STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

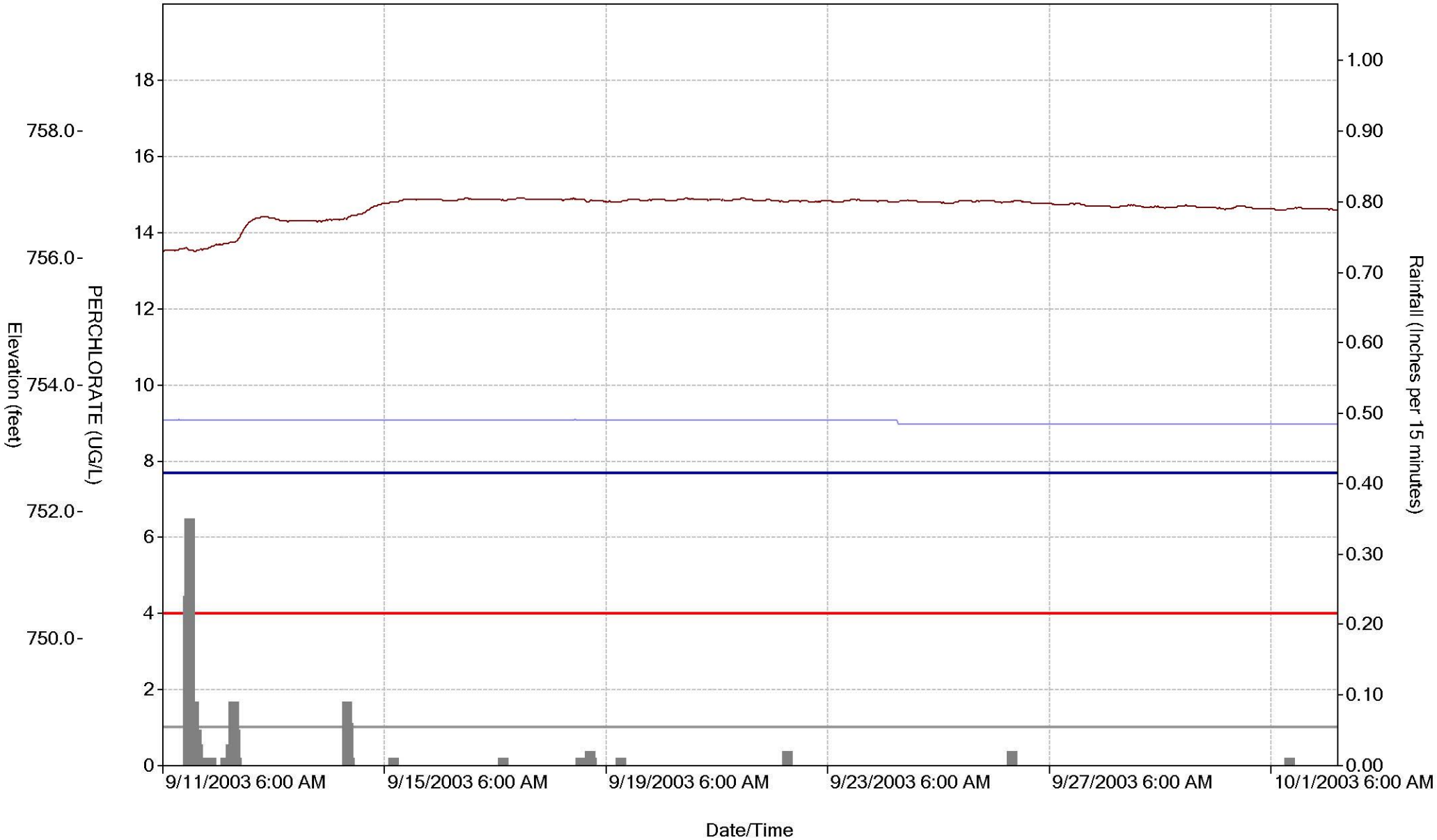
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-05-15-0902	05/15/2003	0902	<1	µg/l	>24 Hours
CHC1	CHC1-SW-05-15-1302	05/15/2003	1302	<1	µg/l	
CHC1	CHC1-SW-05-15-1702	05/15/2003	1702	<1	µg/l	
CHC1	CHC1-SW-05-15-2102	05/15/2003	2102	<1	µg/l	
CHC1	CHC1-SW-05-16-0102	05/16/2003	0102	<1	µg/l	
CHC1	CHC1-SW-05-16-0502	05/16/2003	0502	<1	µg/l	
CHC1 Dup	SW1168	05/16/2003	0502	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Appendix G

STORM SAMPLING PERCHLORATE DATA VS TIME (SEPTEMBER 11, 2003 TO OCTOBER 2, 2003)

Station Creek at A&M Property (SC1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC1)	Min: 0.0	Max: 0.0	Avg: < 0.005
Rainfall (SC-3/OC-1 data used 8/18/03 to 10/20/03 due to equipment error)	Min: 0.00	Max: 0.35	Avg: 0.001
Corrected Surface Elevation	Min: 753.38	Max: 753.45	Avg: 753.423
Corrected Groundwater Elevation (SC-1 and TRM-1 share one well)	Min: 756.10	Max: 756.93	Avg: 756.790
Bottom of Stream at Bubbler	Min: 752.61	Max: 752.61	Avg: 752.610

SECOND STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	Not Sampled	09/11/2003	0700	--	--	Dry
SC1	Not Sampled	09/11/2003	1227	--	--	Dry
SC1	Not Sampled	09/11/2003	1627	--	--	Dry
SC1	Not Sampled	09/11/2003	2027	--	--	Dry
SC1	Not Sampled	09/12/2003	0027	--	--	Dry
SC1	Not Sampled	09/12/2003	0427	--	--	Dry
SC1	Not Sampled	09/12/2003	0827	--	--	Dry
SC1	Not Sampled	09/12/2003	1227	--	--	Dry
SC1	Not Sampled	09/12/2003	1627	--	--	Dry
SC1	Not Sampled	09/12/2003	2027	--	--	Dry
SC1	Not Sampled	09/13/2003	0027	--	--	Dry
SC1	Not Sampled	09/13/2003	0427	--	--	Dry
SC1	Not Sampled	09/13/2003	0827	--	--	Dry
SC1	Not Sampled	09/13/2003	1227	--	--	Dry
SC1	Not Sampled	09/13/2003	1627	--	--	Dry
SC1	Not Sampled	09/13/2003	2027	--	--	Dry
SC1	Not Sampled	09/14/2003	0027	--	--	Dry
SC1	Not Sampled	09/14/2003	0427	--	--	Dry
SC1	Not Sampled	09/14/2003	0827	--	--	Dry
SC1	Not Sampled	09/15/2003	0911	--	--	Dry
SC1	Not Sampled	09/15/2003	1311	--	--	Dry
SC1	Not Sampled	09/15/2003	1711	--	--	Dry
SC1	Not Sampled	09/15/2003	2111	--	--	Dry
SC1	Not Sampled	09/16/2003	0111	--	--	Dry
SC1	Not Sampled	09/16/2003	0511	--	--	Dry
SC1	Not Sampled	09/16/2003	0912	--	--	Dry
SC1	Not Sampled	09/16/2003	1311	--	--	Dry
SC1	Not Sampled	09/16/2003	1711	--	--	Dry
SC1	Not Sampled	09/16/2003	2111	--	--	Dry
SC1	Not Sampled	09/17/2003	0111	--	--	Dry
SC1	Not Sampled	09/17/2003	0511	--	--	Dry
SC1	Not Sampled	09/17/2003	0911	--	--	Dry
SC1	Not Sampled	09/17/2003	1311	--	--	Dry
SC1	Not Sampled	09/17/2003	1711	--	--	Dry
SC1	Not Sampled	09/17/2003	2111	--	--	Dry
SC1	Not Sampled	09/18/2003	0111	--	--	Dry
SC1	Not Sampled	09/18/2003	0511	--	--	Dry
SC1	Not Sampled	09/18/2003	0911	--	--	Dry
SC1	Not Sampled	09/18/2003	1311	--	--	Dry
SC1	Not Sampled	09/18/2003	1711	--	--	Dry
SC1	Not Sampled	09/18/2003	2111	--	--	Dry
SC1	Not Sampled	09/19/2003	0111	--	--	Dry
SC1	Not Sampled	09/19/2003	0511	--	--	Dry
SC1	Not Sampled	09/19/2003	0911	--	--	Dry

SECOND STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

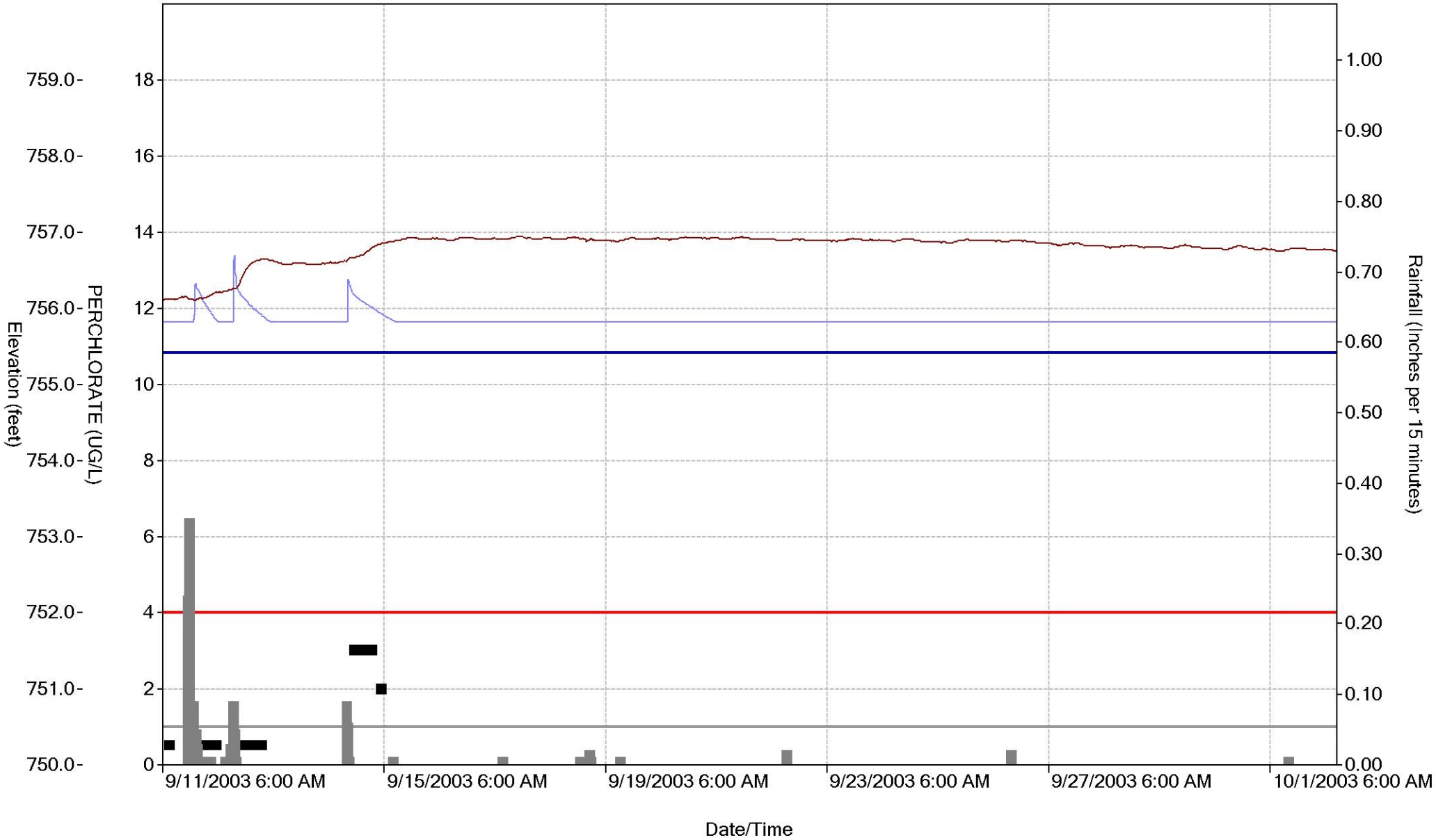
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	Not Sampled	09/19/2003	1311	--	--	Dry
SC1	Not Sampled	09/19/2003	1711	--	--	Dry
SC1	Not Sampled	09/19/2003	2111	--	--	Dry
SC1	Not Sampled	09/20/2003	0111	--	--	Dry
SC1	Not Sampled	09/20/2003	0511	--	--	Dry
SC1	Not Sampled	09/20/2003	0912	--	--	Dry
SC1	Not Sampled	09/20/2003	1311	--	--	Dry
SC1	Not Sampled	09/20/2003	1711	--	--	Dry
SC1	Not Sampled	09/20/2003	2111	--	--	Dry
SC1	Not Sampled	09/21/2003	0111	--	--	Dry
SC1	Not Sampled	09/21/2003	0511	--	--	Dry
SC1	Not Sampled	09/21/2003	0911	--	--	Dry
SC1	Not Sampled	09/21/2003	1311	--	--	Dry
SC1	Not Sampled	09/21/2003	1711	--	--	Dry
SC1	Not Sampled	09/21/2003	2111	--	--	Dry
SC1	Not Sampled	09/22/2003	0111	--	--	Dry
SC1	Not Sampled	09/22/2003	0511	--	--	Dry
SC1	Not Sampled	09/22/2003	0911	--	--	Dry
SC1	Not Sampled	09/22/2003	1311	--	--	Dry
SC1	Not Sampled	09/22/2003	1711	--	--	Dry
SC1	Not Sampled	09/22/2003	2111	--	--	Dry
SC1	Not Sampled	09/23/2003	0111	--	--	Dry
SC1	Not Sampled	09/23/2003	0511	--	--	Dry
SC1	Not Sampled	09/23/2003	0911	--	--	Dry
SC1	Not Sampled	09/23/2003	1311	--	--	Dry
SC1	Not Sampled	09/23/2003	1711	--	--	Dry
SC1	Not Sampled	09/23/2003	2111	--	--	Dry
SC1	Not Sampled	09/24/2003	0111	--	--	Dry
SC1	Not Sampled	09/24/2003	0511	--	--	Dry
SC1	Not Sampled	09/24/2003	0911	--	--	Dry
SC1	Not Sampled	09/24/2003	1311	--	--	Dry
SC1	Not Sampled	09/24/2003	1711	--	--	Dry
SC1	Not Sampled	09/24/2003	2111	--	--	Dry
SC1	Not Sampled	09/25/2003	0111	--	--	Dry
SC1	Not Sampled	09/25/2003	0511	--	--	Dry
SC1	Not Sampled	09/25/2003	0911	--	--	Dry
SC1	Not Sampled	09/25/2003	1311	--	--	Dry
SC1	Not Sampled	09/25/2003	1711	--	--	Dry
SC1	Not Sampled	09/25/2003	2111	--	--	Dry
SC1	Not Sampled	09/26/2003	0111	--	--	Dry
SC1	Not Sampled	09/26/2003	0511	--	--	Dry
SC1	Not Sampled	09/26/2003	0911	--	--	Dry
SC1	Not Sampled	09/26/2003	1311	--	--	Dry
SC1	Not Sampled	09/26/2003	1711	--	--	Dry

SECOND STORM SAMPLING EVENT SC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC1	Not Sampled	09/26/2003	2111	--	--	Dry
SC1	Not Sampled	09/27/2003	0111	--	--	Dry
SC1	Not Sampled	09/27/2003	0511	--	--	Dry
SC1	Not Sampled	09/27/2003	0911	--	--	Dry
SC1	Not Sampled	09/27/2003	1311	--	--	Dry
SC1	Not Sampled	09/27/2003	1711	--	--	Dry
SC1	Not Sampled	09/27/2003	2111	--	--	Dry
SC1	Not Sampled	09/28/2003	0111	--	--	Dry
SC1	Not Sampled	09/28/2003	0511	--	--	Dry
SC1	Not Sampled	09/28/2003	0911	--	--	Dry
SC1	Not Sampled	09/28/2003	1311	--	--	Dry
SC1	Not Sampled	09/28/2003	1711	--	--	Dry
SC1	Not Sampled	09/28/2003	2111	--	--	Dry
SC1	Not Sampled	09/29/2003	0111	--	--	Dry
SC1	Not Sampled	09/29/2003	0511	--	--	Dry
SC1	Not Sampled	09/29/2003	0911	--	--	Dry
SC1	Not Sampled	09/29/2003	1311	--	--	Dry
SC1	Not Sampled	09/29/2003	1711	--	--	Dry
SC1	Not Sampled	09/29/2003	2111	--	--	Dry
SC1	Not Sampled	09/30/2003	0111	--	--	Dry
SC1	Not Sampled	09/30/2003	0511	--	--	Dry
SC1	Not Sampled	09/30/2003	0911	--	--	Dry
SC1	Not Sampled	09/30/2003	1311	--	--	Dry
SC1	Not Sampled	09/30/2003	1711	--	--	Dry
SC1	Not Sampled	09/30/2003	2111	--	--	Dry
SC1	Not Sampled	10/01/2003	0111	--	--	Dry
SC1	Not Sampled	10/01/2003	0511	--	--	Dry
SC1	Not Sampled	10/01/2003	0911	--	--	Dry

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.

Tributary M at A&M property (TRM1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (TRM1)	Min: 0.5	Max: 3.0	Avg: 1.25
Rainfall (SC-3/OC-1 data used 8/18/03 to 10/20/03 due to equipment error)	Min: 0.00	Max: 0.35	Avg: 0.001
Corrected Surface Elevation	Min: 755.81	Max: 756.69	Avg: 755.830
Corrected Groundwater Elevation (SC-1 and TRM-1 share one well)	Min: 756.10	Max: 756.93	Avg: 756.790
Bottom of Stream at Bubbler	Min: 755.41	Max: 755.41	Avg: 755.410

SECOND STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	Not Sampled	09/11/2003	0700	--	--	Dry
TRM1	TRM1-SW-09-11-0908	09/11/2003	0908	<1	µg/l	>24 Hours
TRM1	Not Sampled	09/11/2003	1308	--	--	Dry
TRM1	Not Sampled	09/11/2003	1708	--	--	Dry
TRM1	TRM1-SW-09-11-2108	09/11/2003	2108	<1	µg/l	>24 Hours
TRM1	TRM1-SW-09-12-0108	09/12/2003	0108	<1	µg/l	>24 Hours
TRM1	TRM1-SW-09-12-0508	09/12/2003	0508	<1	µg/l	>24 Hours
TRM1	Not Sampled	09/12/2003	0908	--	--	Dry
TRM1	TRM1-SW-09-12-1308	09/12/2003	1308	<1	µg/l	>24 Hours
TRM1	TRM1-SW-09-12-1708	09/12/2003	1708	<1	µg/l	>24 Hours
TRM1	TRM1-SW-09-12-2108	09/12/2003	2108	<1	µg/l	>24 Hours
TRM1	TRM1-SW-09-13-0108	09/13/2003	0108	<1	µg/l	>24 Hours
TRM1	Not Sampled	09/13/2003	0508	--	--	Dry
TRM1	Not Sampled	09/13/2003	0908	--	--	Dry
TRM1	Not Sampled	09/13/2003	1308	--	--	Dry
TRM1	Not Sampled	09/13/2003	1708	--	--	Dry
TRM1	Not Sampled	09/13/2003	2108	--	--	Dry
TRM1	Not Sampled	09/14/2003	0108	--	--	Dry
TRM1	Not Sampled	09/14/2003	0508	--	--	Dry
TRM1	Not Sampled	09/14/2003	0908	--	--	Dry
TRM1	Not Sampled	09/14/2003	1308	--	--	Dry
TRM1	TRM1-SW-09-14-1708	09/14/2003	1708	**3 J**	µg/l	
TRM1	TRM1-SW-09-14-2108	09/14/2003	2108	**3 J**	µg/l	
TRM1	TRM1-SW-09-15-0108	09/15/2003	0108	**3 J**	µg/l	
TRM1	TRM1-SW-09-15-0508	09/15/2003	0508	**2 J**	µg/l	
TRM1	Not Sampled	09/15/2003	0908	--	--	Dry
TRM1	Not Sampled	09/15/2003	1308	--	--	Dry
TRM1	Not Sampled	09/15/2003	1708	--	--	Dry
TRM1	Not Sampled	09/15/2003	2108	--	--	Dry
TRM1	Not Sampled	09/16/2003	0108	--	--	Dry
TRM1	Not Sampled	09/16/2003	0508	--	--	Dry
TRM1	Not Sampled	09/16/2003	0908	--	--	Dry
TRM1	Not Sampled	09/16/2003	1308	--	--	Dry
TRM1	Not Sampled	09/16/2003	1708	--	--	Dry
TRM1	Not Sampled	09/16/2003	2108	--	--	Dry
TRM1	Not Sampled	09/17/2003	0108	--	--	Dry
TRM1	Not Sampled	09/17/2003	0508	--	--	Dry
TRM1	Not Sampled	09/17/2003	0908	--	--	Dry
TRM1	Not Sampled	09/17/2003	1308	--	--	Dry
TRM1	Not Sampled	09/17/2003	1708	--	--	Dry
TRM1	Not Sampled	09/17/2003	2108	--	--	Dry
TRM1	Not Sampled	09/18/2003	0008	--	--	Dry
TRM1	Not Sampled	09/18/2003	0508	--	--	Dry
TRM1	Not Sampled	09/18/2003	0908	--	--	Dry

SECOND STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	Not Sampled	09/18/2003	1308	--	--	Dry
TRM1	Not Sampled	09/18/2003	1708	--	--	Dry
TRM1	Not Sampled	09/18/2003	2108	--	--	Dry
TRM1	Not Sampled	09/19/2003	0108	--	--	Dry
TRM1	Not Sampled	09/19/2003	0508	--	--	Dry
TRM1	Not Sampled	09/19/2003	0908	--	--	Dry
TRM1	Not Sampled	09/19/2003	1308	--	--	Dry
TRM1	Not Sampled	09/19/2003	1708	--	--	Dry
TRM1	Not Sampled	09/19/2003	2108	--	--	Dry
TRM1	Not Sampled	09/20/2003	0108	--	--	Dry
TRM1	Not Sampled	09/20/2003	0508	--	--	Dry
TRM1	Not Sampled	09/20/2003	0908	--	--	Dry
TRM1	Not Sampled	09/20/2003	1308	--	--	Dry
TRM1	Not Sampled	09/20/2003	1708	--	--	Dry
TRM1	Not Sampled	09/20/2003	2108	--	--	Dry
TRM1	Not Sampled	09/21/2003	0108	--	--	Dry
TRM1	Not Sampled	09/21/2003	0508	--	--	Dry
TRM1	Not Sampled	09/21/2003	0908	--	--	Dry
TRM1	Not Sampled	09/21/2003	1308	--	--	Dry
TRM1	Not Sampled	09/21/2003	1708	--	--	Dry
TRM1	Not Sampled	09/21/2003	2108	--	--	Dry
TRM1	Not Sampled	09/22/2003	0108	--	--	Dry
TRM1	Not Sampled	09/22/2003	0508	--	--	Dry
TRM1	Not Sampled	09/22/2003	0908	--	--	Dry
TRM1	Not Sampled	09/22/2003	1308	--	--	Dry
TRM1	Not Sampled	09/22/2003	1708	--	--	Dry
TRM1	Not Sampled	09/22/2003	2108	--	--	Dry
TRM1	Not Sampled	09/23/2003	0108	--	--	Dry
TRM1	Not Sampled	09/23/2003	0508	--	--	Dry
TRM1	Not Sampled	09/23/2003	0909	--	--	Dry
TRM1	Not Sampled	09/23/2003	1308	--	--	Dry
TRM1	Not Sampled	09/23/2003	1708	--	--	Dry
TRM1	Not Sampled	09/23/2003	2108	--	--	Dry
TRM1	Not Sampled	09/24/2003	0109	--	--	Dry
TRM1	Not Sampled	09/24/2003	0508	--	--	Dry
TRM1	Not Sampled	09/24/2003	0908	--	--	Dry
TRM1	Not Sampled	09/24/2003	1308	--	--	Dry
TRM1	Not Sampled	09/24/2003	1708	--	--	Dry
TRM1	Not Sampled	09/24/2003	2108	--	--	Dry
TRM1	Not Sampled	09/25/2003	0108	--	--	Dry
TRM1	Not Sampled	09/25/2003	0508	--	--	Dry
TRM1	Not Sampled	09/25/2003	0908	--	--	Dry
TRM1	Not Sampled	09/25/2003	1308	--	--	Dry
TRM1	Not Sampled	09/25/2003	1708	--	--	Dry

SECOND STORM SAMPLING EVENT TRM1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
TRM1	Not Sampled	09/25/2003	2108	--	--	Dry
TRM1	Not Sampled	09/26/2003	0108	--	--	Dry
TRM1	Not Sampled	09/26/2003	0508	--	--	Dry
TRM1	Not Sampled	09/26/2003	0908	--	--	Dry
TRM1	Not Sampled	09/26/2003	1308	--	--	Dry
TRM1	Not Sampled	09/26/2003	1708	--	--	Dry
TRM1	Not Sampled	09/26/2003	2108	--	--	Dry
TRM1	Not Sampled	09/27/2003	0108	--	--	Dry
TRM1	Not Sampled	09/27/2003	0508	--	--	Dry
TRM1	Not Sampled	09/27/2003	0908	--	--	Dry
TRM1	Not Sampled	09/27/2003	1308	--	--	Dry
TRM1	Not Sampled	09/27/2003	1708	--	--	Dry
TRM1	Not Sampled	09/27/2003	2108	--	--	Dry
TRM1	Not Sampled	09/28/2003	0108	--	--	Dry
TRM1	Not Sampled	09/28/2003	0508	--	--	Dry
TRM1	Not Sampled	09/28/2003	0908	--	--	Dry
TRM1	Not Sampled	09/28/2003	1308	--	--	Dry
TRM1	Not Sampled	09/28/2003	1708	--	--	Dry
TRM1	Not Sampled	09/28/2003	2108	--	--	Dry
TRM1	Not Sampled	09/29/2003	0108	--	--	Dry
TRM1	Not Sampled	09/29/2003	0508	--	--	Dry
TRM1	Not Sampled	09/29/2003	0908	--	--	Dry
TRM1	Not Sampled	09/29/2003	1308	--	--	Dry
TRM1	Not Sampled	09/29/2003	1708	--	--	Dry
TRM1	Not Sampled	09/29/2003	2108	--	--	Dry
TRM1	Not Sampled	09/30/2003	0108	--	--	Dry
TRM1	Not Sampled	09/30/2003	0508	--	--	Dry
TRM1	Not Sampled	09/30/2003	0908	--	--	Dry
TRM1	Not Sampled	09/30/2003	1308	--	--	Dry
TRM1	Not Sampled	09/30/2003	1708	--	--	Dry
TRM1	Not Sampled	09/30/2003	2108	--	--	Dry
TRM1	Not Sampled	10/01/2003	0108	--	--	Dry
TRM1	Not Sampled	10/01/2003	0508	--	--	Dry
TRM1	Not Sampled	10/01/2003	0908	--	--	Dry

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

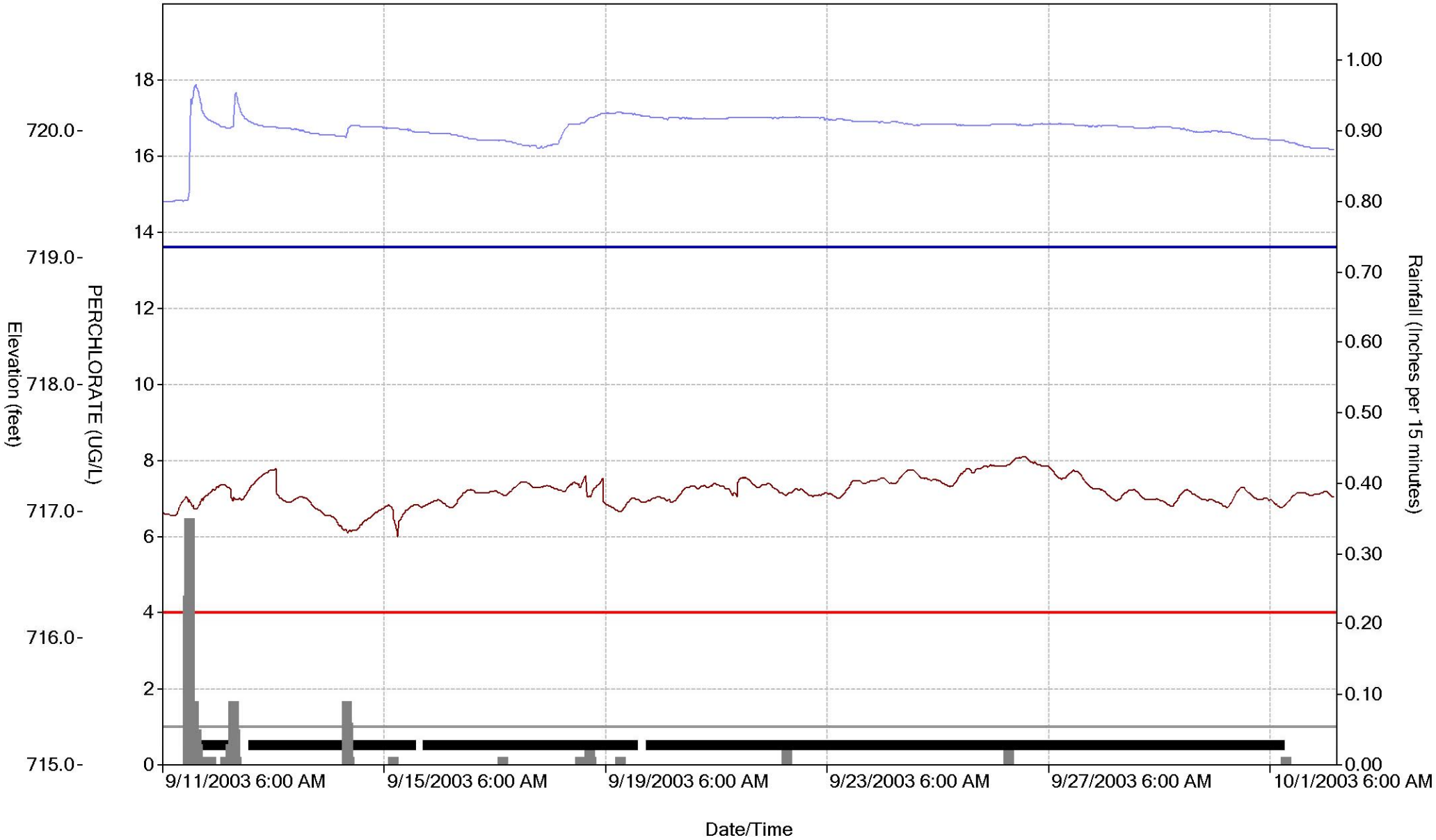
µg/l micrograms per liter.

-- Not applicable.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2003/12/31 14:05

Station Creek at 107(SC3)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC3)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.35	Avg: 0.001
Corrected Surface Elevation	Min: 719.44	Max: 720.36	Avg: 720.013
Corrected Groundwater Elevation	Min: 716.80	Max: 717.42	Avg: 717.147
Bottom of Stream at Bubbler	Min: 719.08	Max: 719.08	Avg: 719.080

SECOND STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	Not Sampled	09/11/2003	0700	--	--	Dry
SC3	Not Sampled	09/11/2003	1727	--	--	Dry
SC3	SC3-SW-09-11-2127	09/11/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-12-0127	09/12/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-12-0527	09/12/2003	0527	<1	µg/l	>24 Hours
SC3 Dup	SW1194	09/12/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-12-0927	09/12/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-12-1327	09/12/2003	1327	<1	µg/l	>24 Hours
SC3	Not Sampled	09/12/2003	1727	--	--	Equipment Error
SC3	SC3-SW-09-12-2127	09/12/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-0127	09/13/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-0527	09/13/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-0927	09/13/2003	0927	<1	µg/l	>24 Hours
SC3 Dup	SW1195	09/13/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-1327	09/13/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-1727	09/13/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-13-2127	09/13/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-14-0127	09/14/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-14-0527	09/14/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-14-0927	09/14/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-14-1327	09/14/2003	1327	<1	µg/l	
SC3	SC3-SW-09-14-1727	09/14/2003	1727	<1	µg/l	
SC3	SC3-SW-09-14-2127	09/14/2003	2127	<1	µg/l	
SC3	SC3-SW-09-15-0127	09/15/2003	0127	<1	µg/l	
SC3 Dup	SW1196	09/15/2003	0127	<1	µg/l	
SC3	SC3-SW-09-15-0527	09/15/2003	0527	<1	µg/l	
SC3	SC3-SW-09-15-0927	09/15/2003	0927	<1	µg/l	
SC3	SC3-SW-09-15-1327	09/15/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-15-1727	09/15/2003	1727	<1	µg/l	>24 Hours
SC3	Not Sampled	09/15/2003	2127	--	--	Equipment Error
SC3	SC3-SW-09-16-0127	09/16/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-16-0527	09/16/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-16-0927	09/16/2003	0927	<1	µg/l	
SC3	SC3-SW-09-16-1327	09/16/2003	1327	<1	µg/l	
SC3	SC3-SW-09-16-1727	09/16/2003	1727	<1	µg/l	
SC3 Dup	SW1209	09/16/2003	1727	<1	µg/l	
SC3	SC3-SW-09-16-2127	09/16/2003	2127	<1	µg/l	
SC3	SC3-SW-09-17-0127	09/17/2003	0127	<1	µg/l	
SC3	SC3-SW-09-17-0527	09/17/2003	0527	<1	µg/l	
SC3	SC3-SW-09-17-0927	09/17/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-17-1327	09/17/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-17-1727	09/17/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-17-2127	09/17/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-18-0127	09/18/2003	0127	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3 Dup	SW1220	09/18/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-18-0527	09/18/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-18-0927	09/18/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-18-1327	09/18/2003	1327	<1	µg/l	
SC3	SC3-SW-09-18-1727	09/18/2003	1727	<1	µg/l	
SC3	SC3-SW-09-18-2127	09/18/2003	2127	<1	µg/l	
SC3	SC3-SW-09-19-0127	09/19/2003	0127	<1	µg/l	
SC3	SC3-SW-09-19-0527	09/19/2003	0527	<1	µg/l	
SC3	SC3-SW-09-19-0927	09/19/2003	0927	<1	µg/l	
SC3	SC3-SW-09-19-1327	09/19/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-19-1727	09/19/2003	1727	<1	µg/l	>24 Hours
SC3	Not Sampled	09/19/2003	2127	--	--	Equipment Error
SC3	SC3-SW-09-20-0127	09/20/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-20-0527	09/20/2003	0527	<1	µg/l	>24 Hours
SC3 Dup	SW1239	09/20/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-20-0927	09/20/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-20-1327	09/20/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-20-1727	09/20/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-20-2127	09/20/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-21-0127	09/21/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-21-0527	09/21/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-21-0927	09/21/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-21-1327	09/21/2003	1327	<1	µg/l	
SC3	SC3-SW-09-21-1727	09/21/2003	1727	<1	µg/l	
SC3	SC3-SW-09-21-2127	09/21/2003	2127	<1	µg/l	
SC3 Dup	SW1240	09/21/2003	2127	<1	µg/l	
SC3	SC3-SW-09-22-0127	09/22/2003	0127	<1	µg/l	
SC3	SC3-SW-09-22-0527	09/22/2003	0527	<1	µg/l	
SC3	SC3-SW-09-22-0927	09/22/2003	0927	<1	µg/l	
SC3	SC3-SW-09-22-1327	09/22/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-22-1727	09/22/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-22-2127	09/22/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-23-0127	09/23/2003	0127	<1	µg/l	>24 Hours
SC3 Dup	SW1262	09/23/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-23-0527	09/23/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-23-0927	09/23/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-23-1327	09/23/2003	1327	<1	µg/l	
SC3	SC3-SW-09-23-1727	09/23/2003	1727	<1	µg/l	
SC3	SC3-SW-09-23-2127	09/23/2003	2127	<1	µg/l	
SC3	SC3-SW-09-24-0127	09/24/2003	0127	<1	µg/l	
SC3	SC3-SW-09-24-0527	09/24/2003	0527	<1	µg/l	
SC3	SC3-SW-09-24-0927	09/24/2003	0927	<1	µg/l	
SC3	SC3-SW-09-24-1327	09/24/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-24-1727	09/24/2003	1727	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC3	SC3-SW-09-24-2127	09/24/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-25-0127	09/25/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-25-0527	09/25/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-25-0927	09/25/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-25-1327	09/25/2003	1327	<1	µg/l	
SC3	SC3-SW-09-25-1727	09/25/2003	1727	<1	µg/l	
SC3	SC3-SW-09-25-2127	09/25/2003	2127	<1	µg/l	
SC3	SC3-SW-09-26-0127	09/26/2003	0127	<1	µg/l	
SC3 Dup	SW1277	09/26/2003	0127	<1	µg/l	
SC3	SC3-SW-09-26-0527	09/26/2003	0527	<1	µg/l	
SC3	SC3-SW-09-26-0927	09/26/2003	0927	<1	µg/l	
SC3	SC3-SW-09-26-1327	09/26/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-26-1727	09/26/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-26-2127	09/26/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-0127	09/27/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-0527	09/27/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-0927	09/27/2003	0927	<1	µg/l	>24 Hours
SC3 Dup	SW1291	09/27/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-1327	09/27/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-1727	09/27/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-27-2127	09/27/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-28-0127	09/28/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-28-0527	09/28/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-28-0927	09/28/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-28-1327	09/28/2003	1327	<1	µg/l	
SC3	SC3-SW-09-28-1727	09/28/2003	1727	<1	µg/l	
SC3	SC3-SW-09-28-2127	09/28/2003	2127	<1	µg/l	
SC3	SC3-SW-09-29-0127	09/29/2003	0127	<1	µg/l	
SC3 Dup	SW1292	09/29/2003	0127	<1	µg/l	
SC3	SC3-SW-09-29-0527	09/29/2003	0527	<1	µg/l	
SC3	SC3-SW-09-29-0927	09/29/2003	0927	<1	µg/l	
SC3	SC3-SW-09-29-1327	09/29/2003	1327	<1	µg/l	>24 Hours
SC3	SC3-SW-09-29-1727	09/29/2003	1727	<1	µg/l	>24 Hours
SC3	SC3-SW-09-29-2127	09/29/2003	2127	<1	µg/l	>24 Hours
SC3 Dup	SW1308	09/29/2003	2127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-30-0127	09/30/2003	0127	<1	µg/l	>24 Hours
SC3	SC3-SW-09-30-0527	09/30/2003	0527	<1	µg/l	>24 Hours
SC3	SC3-SW-09-30-0927	09/30/2003	0927	<1	µg/l	>24 Hours
SC3	SC3-SW-09-30-1327	09/30/2003	1327	<1	µg/l	
SC3	SC3-SW-09-30-1727	09/30/2003	1727	<1	µg/l	
SC3	SC3-SW-09-30-2127	09/30/2003	2127	<1	µg/l	
SC3	SC3-SW-10-01-0127	10/01/2003	0127	<1	µg/l	
SC3	SC3-SW-10-01-0527	10/01/2003	0527	<1	µg/l	
SC3	SC3-SW-10-01-0927	10/01/2003	0927	<1	µg/l	

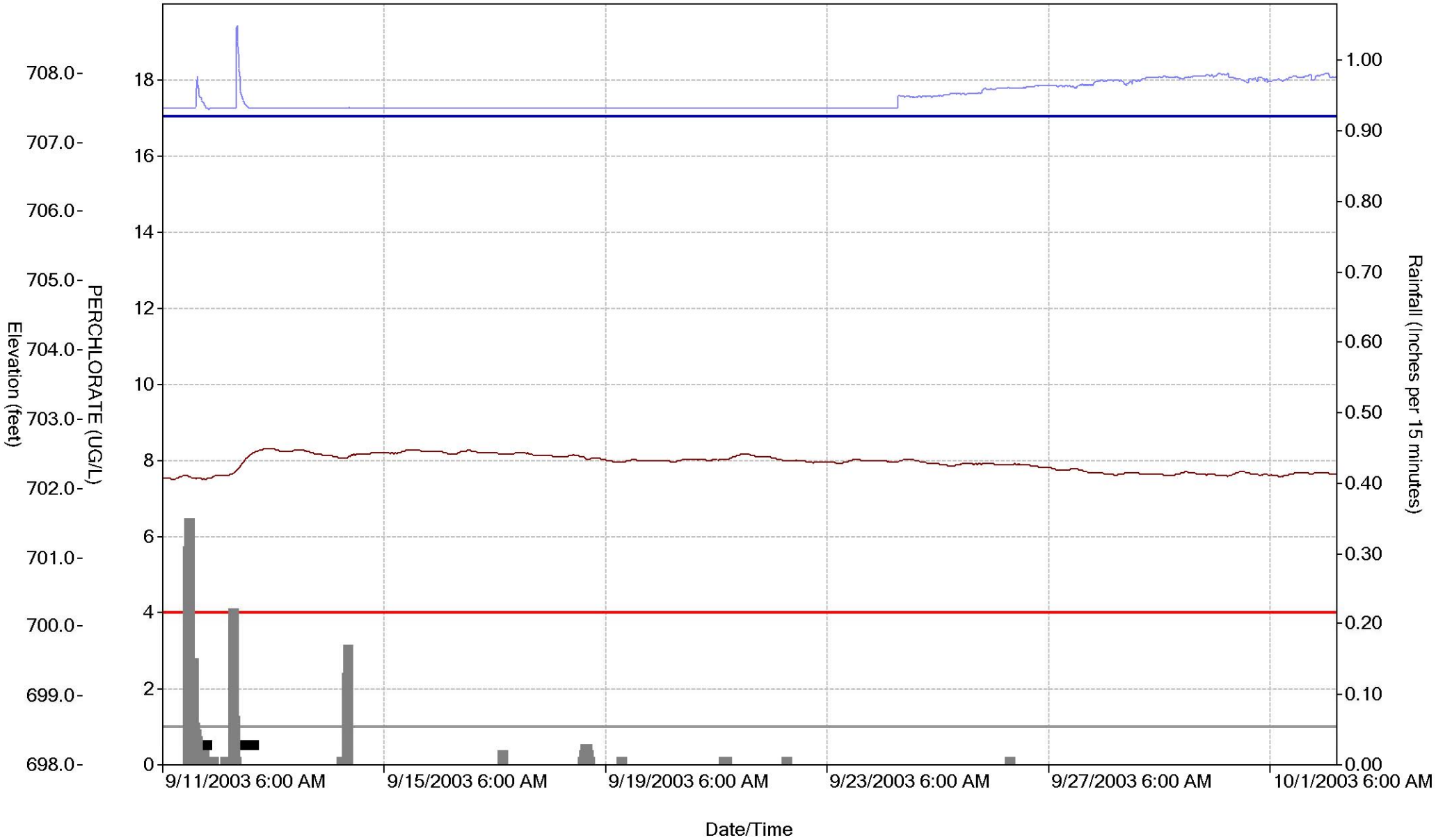
SECOND STORM SAMPLING EVENT SC3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/31 13:56

Onion Creek at 107 (OC1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (OC1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.35	Avg: 0.001
Corrected Surface Elevation	Min: 707.47	Max: 708.68	Avg: 707.618
Corrected Groundwater Elevation	Min: 702.12	Max: 702.57	Avg: 702.359
Bottom of Stream at Bubbler	Min: 707.36	Max: 707.36	Avg: 707.360

SECOND STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	Not Sampled	09/11/2003	0700	--	--	Dry
OC1	Not Sampled	09/11/2003	1724	--	--	Dry
OC1	OC1-SW-09-11-2124	09/11/2003	2124	<1	µg/l	>24 Hours
OC1	OC1-SW-09-12-0124	09/12/2003	0124	<1	µg/l	>24 Hours
OC1	Not Sampled	09/12/2003	0524	--	--	Dry
OC1	Not Sampled	09/12/2003	0924	--	--	Dry
OC1	OC1-SW-09-12-1324	09/12/2003	1324	<1	µg/l	>24 Hours
OC1	OC1-SW-09-12-1724	09/12/2003	1724	<1	µg/l	>24 Hours
OC1	OC1-SW-09-12-2124	09/12/2003	2124	<1	µg/l	>24 Hours
OC1	Not Sampled	09/13/2003	0124	--	--	Dry
OC1	Not Sampled	09/13/2003	0524	--	--	Dry
OC1	Not Sampled	09/13/2003	0924	--	--	Dry
OC1	Not Sampled	09/13/2003	1324	--	--	Dry
OC1	Not Sampled	09/13/2003	1724	--	--	Dry
OC1	Not Sampled	09/13/2003	2124	--	--	Dry
OC1	Not Sampled	09/14/2003	0124	--	--	Dry
OC1	Not Sampled	09/14/2003	0524	--	--	Dry
OC1	Not Sampled	09/14/2003	0924	--	--	Dry
OC1	Not Sampled	09/14/2003	1324	--	--	Dry
OC1	Not Sampled	09/14/2003	1724	--	--	Dry
OC1	Not Sampled	09/14/2003	2124	--	--	Dry
OC1	Not Sampled	09/15/2003	0124	--	--	Dry
OC1	Not Sampled	09/15/2003	0524	--	--	Dry
OC1	Not Sampled	09/15/2003	0924	--	--	Dry
OC1	Not Sampled	09/15/2003	1324	--	--	Dry
OC1	Not Sampled	09/15/2003	1724	--	--	Dry
OC1	Not Sampled	09/15/2003	2124	--	--	Dry
OC1	Not Sampled	09/16/2003	0124	--	--	Dry
OC1	Not Sampled	09/16/2003	0524	--	--	Dry
OC1	Not Sampled	09/16/2003	0924	--	--	Dry
OC1	Not Sampled	09/16/2003	1324	--	--	Dry
OC1	Not Sampled	09/16/2003	1724	--	--	Dry
OC1	Not Sampled	09/16/2003	2124	--	--	Dry
OC1	Not Sampled	09/17/2003	0124	--	--	Dry
OC1	Not Sampled	09/17/2003	0524	--	--	Dry
OC1	Not Sampled	09/17/2003	0924	--	--	Dry
OC1	Not Sampled	09/17/2003	1324	--	--	Dry
OC1	Not Sampled	09/17/2003	1724	--	--	Dry
OC1	Not Sampled	09/17/2003	2124	--	--	Dry
OC1	Not Sampled	09/18/2003	0124	--	--	Dry
OC1	Not Sampled	09/18/2003	0524	--	--	Dry
OC1	Not Sampled	09/18/2003	0924	--	--	Dry
OC1	Not Sampled	09/18/2003	1324	--	--	Dry
OC1	Not Sampled	09/18/2003	1724	--	--	Dry

SECOND STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

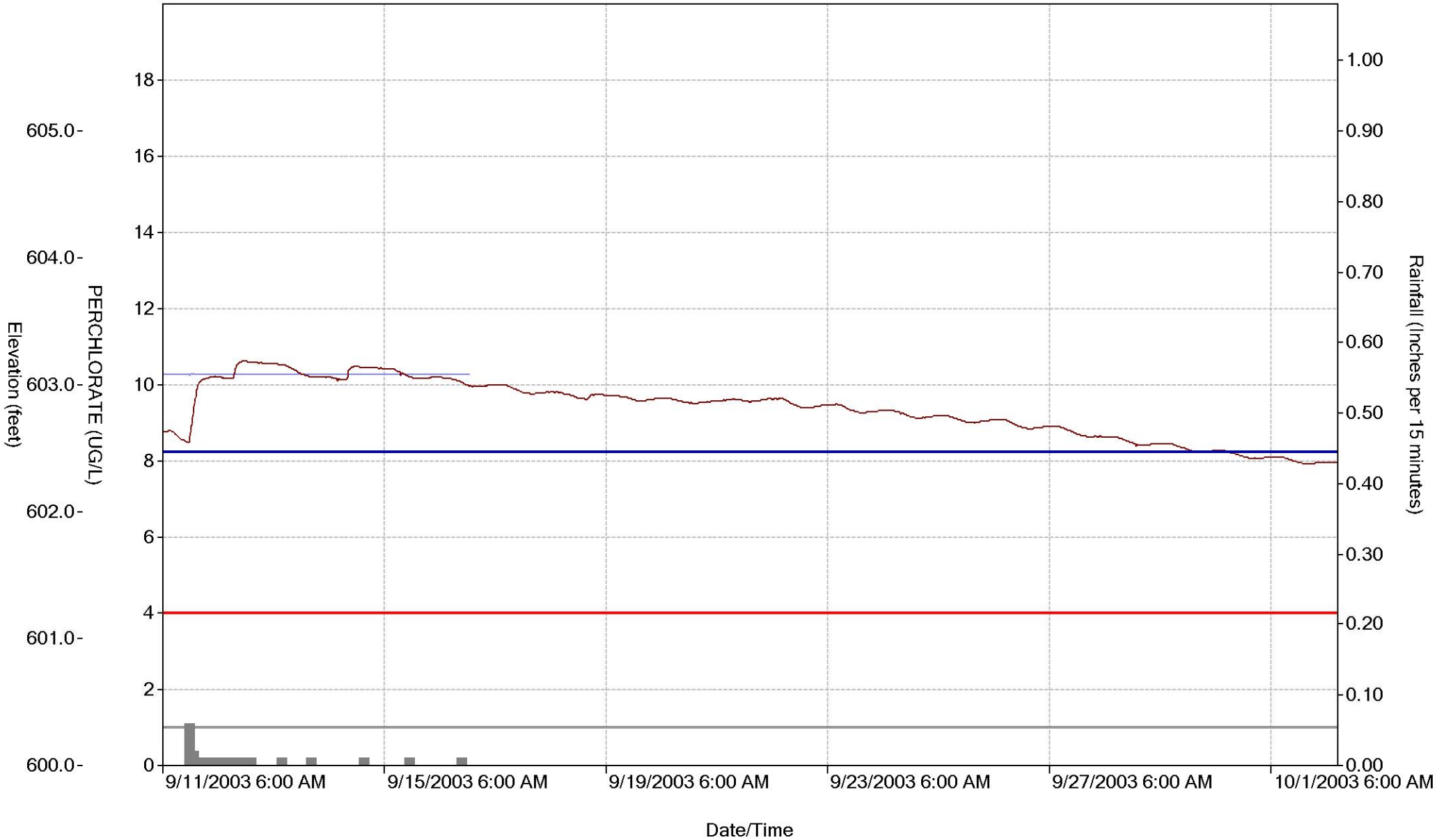
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	Not Sampled	09/18/2003	2124	--	--	Dry
OC1	Not Sampled	09/19/2003	0124	--	--	Dry
OC1	Not Sampled	09/19/2003	0524	--	--	Dry
OC1	Not Sampled	09/19/2003	0924	--	--	Dry
OC1	Not Sampled	09/19/2003	1324	--	--	Dry
OC1	Not Sampled	09/19/2003	1724	--	--	Dry
OC1	Not Sampled	09/19/2003	2124	--	--	Dry
OC1	Not Sampled	09/20/2003	0124	--	--	Dry
OC1	Not Sampled	09/20/2003	0524	--	--	Dry
OC1	Not Sampled	09/20/2003	0924	--	--	Dry
OC1	Not Sampled	09/20/2003	1324	--	--	Dry
OC1	Not Sampled	09/20/2003	1724	--	--	Dry
OC1	Not Sampled	09/20/2003	2124	--	--	Dry
OC1	Not Sampled	09/21/2003	0124	--	--	Dry
OC1	Not Sampled	09/21/2003	0524	--	--	Dry
OC1	Not Sampled	09/21/2003	0924	--	--	Dry
OC1	Not Sampled	09/21/2003	1324	--	--	Dry
OC1	Not Sampled	09/21/2003	1724	--	--	Dry
OC1	Not Sampled	09/21/2003	2124	--	--	Dry
OC1	Not Sampled	09/22/2003	0124	--	--	Dry
OC1	Not Sampled	09/22/2003	0524	--	--	Dry
OC1	Not Sampled	09/22/2003	0924	--	--	Dry
OC1	Not Sampled	09/22/2003	1324	--	--	Dry
OC1	Not Sampled	09/22/2003	1724	--	--	Dry
OC1	Not Sampled	09/22/2003	2124	--	--	Dry
OC1	Not Sampled	09/23/2003	0124	--	--	Dry
OC1	Not Sampled	09/23/2003	0524	--	--	Dry
OC1	Not Sampled	09/23/2003	0924	--	--	Dry
OC1	Not Sampled	09/23/2003	1324	--	--	Dry
OC1	Not Sampled	09/23/2003	1724	--	--	Dry
OC1	Not Sampled	09/23/2003	2124	--	--	Dry
OC1	Not Sampled	09/24/2003	0124	--	--	Dry
OC1	Not Sampled	09/24/2003	0524	--	--	Dry
OC1	Not Sampled	09/24/2003	0924	--	--	Dry
OC1	Not Sampled	09/24/2003	1324	--	--	Dry
OC1	Not Sampled	09/24/2003	1724	--	--	Dry
OC1	Not Sampled	09/24/2003	2124	--	--	Dry
OC1	Not Sampled	09/25/2003	0124	--	--	Dry
OC1	Not Sampled	09/25/2003	0524	--	--	Dry
OC1	Not Sampled	09/25/2003	0924	--	--	Dry
OC1	Not Sampled	09/25/2003	1324	--	--	Dry
OC1	Not Sampled	09/25/2003	1724	--	--	Dry
OC1	Not Sampled	09/25/2003	2124	--	--	Dry
OC1	Not Sampled	09/26/2003	0124	--	--	Dry

SECOND STORM SAMPLING EVENT OC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
OC1	Not Sampled	09/26/2003	0524	--	--	Dry
OC1	Not Sampled	09/26/2003	0924	--	--	Dry
OC1	Not Sampled	09/26/2003	1324	--	--	Dry
OC1	Not Sampled	09/26/2003	1724	--	--	Dry
OC1	Not Sampled	09/26/2003	2124	--	--	Dry
OC1	Not Sampled	09/27/2003	0124	--	--	Dry
OC1	Not Sampled	09/27/2003	0524	--	--	Dry
OC1	Not Sampled	09/27/2003	0924	--	--	Dry
OC1	Not Sampled	09/27/2003	1324	--	--	Dry
OC1	Not Sampled	09/27/2003	1724	--	--	Dry
OC1	Not Sampled	09/27/2003	2124	--	--	Dry
OC1	Not Sampled	09/28/2003	0124	--	--	Dry
OC1	Not Sampled	09/28/2003	0524	--	--	Dry
OC1	Not Sampled	09/28/2003	0924	--	--	Dry
OC1	Not Sampled	09/28/2003	1324	--	--	Dry
OC1	Not Sampled	09/28/2003	1724	--	--	Dry
OC1	Not Sampled	09/28/2003	2124	--	--	Dry
OC1	Not Sampled	09/29/2003	0124	--	--	Dry
OC1	Not Sampled	09/29/2003	0524	--	--	Dry
OC1	Not Sampled	09/29/2003	0924	--	--	Dry
OC1	Not Sampled	09/29/2003	1324	--	--	Dry
OC1	Not Sampled	09/29/2003	1724	--	--	Dry
OC1	Not Sampled	09/29/2003	2124	--	--	Dry
OC1	Not Sampled	09/30/2003	0124	--	--	Dry
OC1	Not Sampled	09/30/2003	0524	--	--	Dry
OC1	Not Sampled	09/30/2003	0924	--	--	Dry
OC1	Not Sampled	09/30/2003	1324	--	--	Dry
OC1	Not Sampled	09/30/2003	1724	--	--	Dry
OC1	Not Sampled	09/30/2003	2124	--	--	Dry
OC1	Not Sampled	10/01/2003	0124	--	--	Dry
OC1	Not Sampled	10/01/2003	0524	--	--	Dry
OC1	Not Sampled	10/01/2003	0924	--	--	Dry

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

Station Creek at Ogelsby Neff Park Road (SC5)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SC5)	Min: 0.0	Max: 0.0	Avg: < 0.005
Rainfall	Min: 0.00	Max: 0.06	Avg: 0.001
Corrected Surface Elevation	Min: 603.07	Max: 603.09	Avg: 603.083
Corrected Groundwater Elevation	Min: 602.37	Max: 603.18	Avg: 602.805
Bottom of Stream at Bubbler	Min: 602.47	Max: 602.47	Avg: 602.470

SECOND STORM SAMPLING EVENT SC5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	09/11/2003	0700	--	--	Dry
SC5	Not Sampled	09/11/2003	1848	--	--	Dry
SC5	Not Sampled	09/11/2003	2248	--	--	Dry
SC5	Not Sampled	09/12/2003	0248	--	--	Dry
SC5	Not Sampled	09/12/2003	0648	--	--	Dry
SC5	Not Sampled	09/12/2003	1048	--	--	Dry
SC5	Not Sampled	09/12/2003	1448	--	--	Dry
SC5	Not Sampled	09/12/2003	1848	--	--	Dry
SC5	Not Sampled	09/12/2003	2248	--	--	Dry
SC5	Not Sampled	09/13/2003	0248	--	--	Dry
SC5	Not Sampled	09/13/2003	0648	--	--	Dry
SC5	Not Sampled	09/13/2003	1048	--	--	Dry
SC5	Not Sampled	09/13/2003	1448	--	--	Dry
SC5	Not Sampled	09/13/2003	1848	--	--	Dry
SC5	Not Sampled	09/13/2003	2248	--	--	Dry
SC5	Not Sampled	09/14/2003	0248	--	--	Dry
SC5	Not Sampled	09/14/2003	0648	--	--	Dry
SC5	Not Sampled	09/14/2003	1048	--	--	Dry
SC5	Not Sampled	09/14/2003	1448	--	--	Dry
SC5	Not Sampled	09/14/2003	1848	--	--	Dry
SC5	Not Sampled	09/14/2003	2248	--	--	Dry
SC5	Not Sampled	09/15/2003	0248	--	--	Dry
SC5	Not Sampled	09/15/2003	0648	--	--	Dry
SC5	Not Sampled	09/15/2003	1048	--	--	Dry
SC5	Not Sampled	09/15/2003	1448	--	--	Dry
SC5	Not Sampled	09/15/2003	1848	--	--	Dry
SC5	Not Sampled	09/15/2003	2248	--	--	Dry
SC5	Not Sampled	09/16/2003	0248	--	--	Dry
SC5	Not Sampled	09/16/2003	0648	--	--	Dry
SC5	Not Sampled	09/16/2003	1048	--	--	Dry
SC5	Not Sampled	09/16/2003	1448	--	--	Dry
SC5	Not Sampled	09/16/2003	1848	--	--	Dry
SC5	Not Sampled	09/16/2003	2248	--	--	Dry
SC5	Not Sampled	09/17/2003	0248	--	--	Dry
SC5	Not Sampled	09/17/2003	0648	--	--	Dry
SC5	Not Sampled	09/17/2003	1048	--	--	Dry
SC5	Not Sampled	09/17/2003	1448	--	--	Dry
SC5	Not Sampled	09/17/2003	1848	--	--	Dry
SC5	Not Sampled	09/17/2003	2248	--	--	Dry
SC5	Not Sampled	09/18/2003	0248	--	--	Dry
SC5	Not Sampled	09/18/2003	0648	--	--	Dry
SC5	Not Sampled	09/18/2003	1048	--	--	Dry
SC5	Not Sampled	09/18/2003	1448	--	--	Dry
SC5	Not Sampled	09/18/2003	1848	--	--	Dry

SECOND STORM SAMPLING EVENT SC5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	09/18/2003	2248	--	--	Dry
SC5	Not Sampled	09/19/2003	0248	--	--	Dry
SC5	Not Sampled	09/19/2003	0648	--	--	Dry
SC5	Not Sampled	09/19/2003	1048	--	--	Dry
SC5	Not Sampled	09/19/2003	1448	--	--	Dry
SC5	Not Sampled	09/19/2003	1848	--	--	Dry
SC5	Not Sampled	09/19/2003	2248	--	--	Dry
SC5	Not Sampled	09/20/2003	0248	--	--	Dry
SC5	Not Sampled	09/20/2003	0648	--	--	Dry
SC5	Not Sampled	09/20/2003	1048	--	--	Dry
SC5	Not Sampled	09/20/2003	1448	--	--	Dry
SC5	Not Sampled	09/20/2003	1848	--	--	Dry
SC5	Not Sampled	09/20/2003	2248	--	--	Dry
SC5	Not Sampled	09/21/2003	0248	--	--	Dry
SC5	Not Sampled	09/21/2003	0648	--	--	Dry
SC5	Not Sampled	09/21/2003	1048	--	--	Dry
SC5	Not Sampled	09/21/2003	1448	--	--	Dry
SC5	Not Sampled	09/21/2003	1848	--	--	Dry
SC5	Not Sampled	09/21/2003	2248	--	--	Dry
SC5	Not Sampled	09/22/2003	0248	--	--	Dry
SC5	Not Sampled	09/22/2003	0648	--	--	Dry
SC5	Not Sampled	09/22/2003	1048	--	--	Dry
SC5	Not Sampled	09/22/2003	1448	--	--	Dry
SC5	Not Sampled	09/22/2003	1848	--	--	Dry
SC5	Not Sampled	09/22/2003	2248	--	--	Dry
SC5	Not Sampled	09/23/2003	0248	--	--	Dry
SC5	Not Sampled	09/23/2003	0648	--	--	Dry
SC5	Not Sampled	09/23/2003	1048	--	--	Dry
SC5	Not Sampled	09/23/2003	1448	--	--	Dry
SC5	Not Sampled	09/23/2003	1848	--	--	Dry
SC5	Not Sampled	09/23/2003	2248	--	--	Dry
SC5	Not Sampled	09/24/2003	0248	--	--	Dry
SC5	Not Sampled	09/24/2003	0648	--	--	Dry
SC5	Not Sampled	09/24/2003	1048	--	--	Dry
SC5	Not Sampled	09/24/2003	1448	--	--	Dry
SC5	Not Sampled	09/24/2003	1848	--	--	Dry
SC5	Not Sampled	09/24/2003	2248	--	--	Dry
SC5	Not Sampled	09/25/2003	0248	--	--	Dry
SC5	Not Sampled	09/25/2003	0648	--	--	Dry
SC5	Not Sampled	09/25/2003	1048	--	--	Dry
SC5	Not Sampled	09/25/2003	1448	--	--	Dry
SC5	Not Sampled	09/25/2003	1848	--	--	Dry
SC5	Not Sampled	09/25/2003	2248	--	--	Dry
SC5	Not Sampled	09/26/2003	0248	--	--	Dry

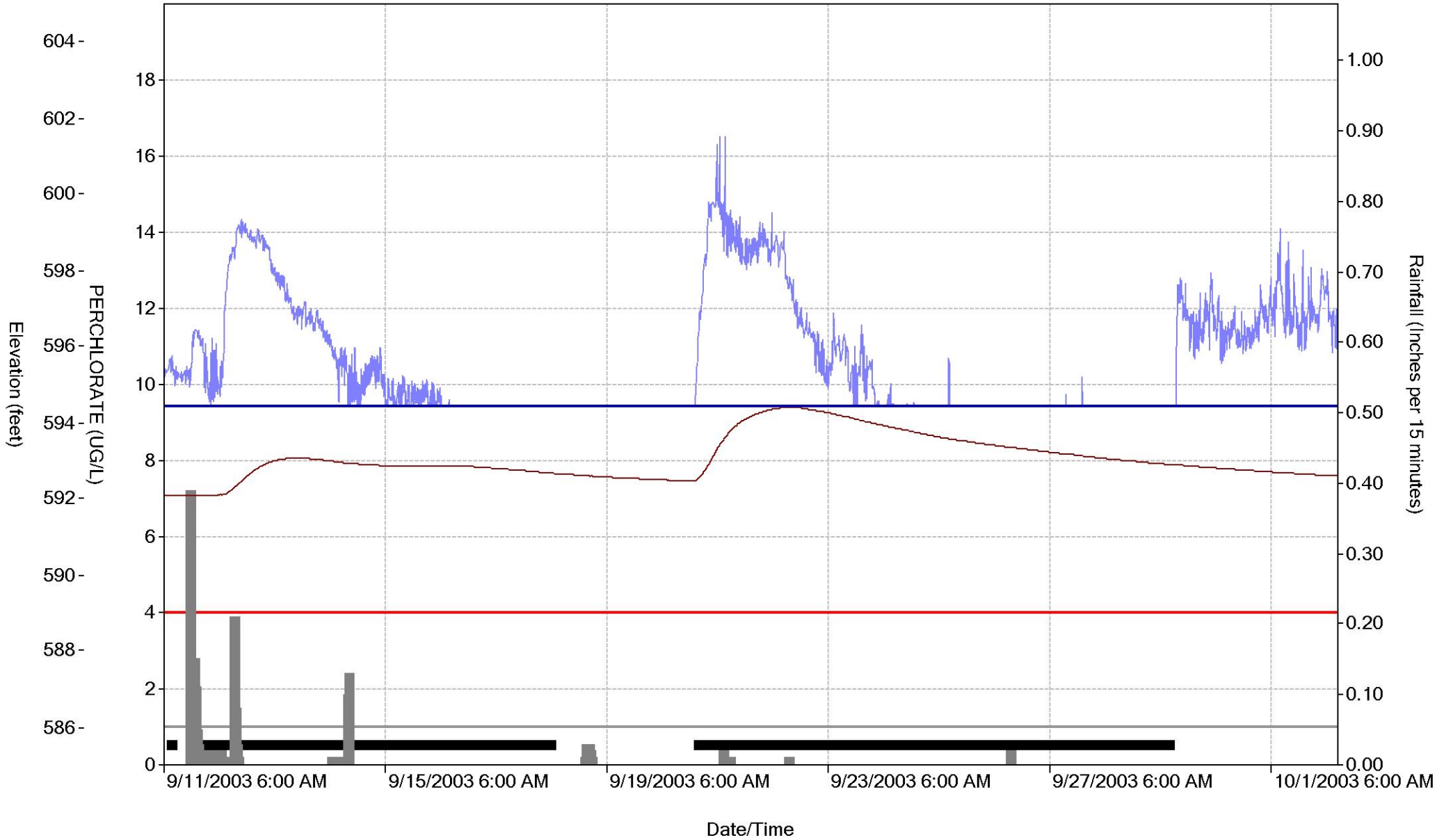
SECOND STORM SAMPLING EVENT SC5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SC5	Not Sampled	09/26/2003	0648	--	--	Dry
SC5	Not Sampled	09/26/2003	1048	--	--	Dry
SC5	Not Sampled	09/26/2003	1448	--	--	Dry
SC5	Not Sampled	09/26/2003	1848	--	--	Dry
SC5	Not Sampled	09/26/2003	2248	--	--	Dry
SC5	Not Sampled	09/27/2003	0248	--	--	Dry
SC5	Not Sampled	09/27/2003	0648	--	--	Dry
SC5	Not Sampled	09/27/2003	1048	--	--	Dry
SC5	Not Sampled	09/27/2003	1448	--	--	Dry
SC5	Not Sampled	09/27/2003	1848	--	--	Dry
SC5	Not Sampled	09/27/2003	2248	--	--	Dry
SC5	Not Sampled	09/28/2003	0248	--	--	Dry
SC5	Not Sampled	09/28/2003	0648	--	--	Dry
SC5	Not Sampled	09/28/2003	1048	--	--	Dry
SC5	Not Sampled	09/28/2003	1448	--	--	Dry
SC5	Not Sampled	09/28/2003	1848	--	--	Dry
SC5	Not Sampled	09/28/2003	2248	--	--	Dry
SC5	Not Sampled	09/29/2003	0248	--	--	Dry
SC5	Not Sampled	09/29/2003	0648	--	--	Dry
SC5	Not Sampled	09/29/2003	1048	--	--	Dry
SC5	Not Sampled	09/29/2003	1448	--	--	Dry
SC5	Not Sampled	09/29/2003	1848	--	--	Dry
SC5	Not Sampled	09/29/2003	2248	--	--	Dry
SC5	Not Sampled	09/30/2003	0248	--	--	Dry
SC5	Not Sampled	09/30/2003	0648	--	--	Dry
SC5	Not Sampled	09/30/2003	1048	--	--	Dry
SC5	Not Sampled	09/30/2003	1448	--	--	Dry
SC5	Not Sampled	09/30/2003	1848	--	--	Dry
SC5	Not Sampled	09/30/2003	2248	--	--	Dry
SC5	Not Sampled	10/01/2003	0248	--	--	Dry
SC5	Not Sampled	10/01/2003	0648	--	--	Dry
SC5	Not Sampled	10/01/2003	1048	--	--	Dry
SC5	Not Sampled	10/01/2003	1448	--	--	Dry

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.

2003/12/31 13:54

Leon River at 236 (LR1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (LR1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.39	Avg: 0.001
Corrected Surface Elevation	Min: 594.43	Max: 601.51	Avg: 595.601
Corrected Groundwater Elevation	Min: 592.06	Max: 594.39	Avg: 593.038
Bottom of Stream at Bubbler	Min: 594.43	Max: 594.43	Avg: 594.430

SECOND STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-09-11-0940	09/11/2003	0940	<1	µg/l	
LR1	Not Sampled	09/11/2003	1742	--	--	Equipment Error
LR1	LR1-SW-09-11-2142	09/11/2003	2142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-0142	09/12/2003	0142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-0542	09/12/2003	0542	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-0942	09/12/2003	0942	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-1342	09/12/2003	1342	<1	µg/l	>24 Hours
LR1 Dup	SW1197	09/12/2003	1342	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-1742	09/12/2003	1742	<1	µg/l	>24 Hours
LR1 Dup	SW1198	09/12/2003	1742	<1	µg/l	>24 Hours
LR1	LR1-SW-09-12-2142	09/12/2003	2142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-0142	09/13/2003	0142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-0542	09/13/2003	0542	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-0942	09/13/2003	0942	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-1342	09/13/2003	1342	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-1742	09/13/2003	1742	<1	µg/l	>24 Hours
LR1	LR1-SW-09-13-2142	09/13/2003	2142	<1	µg/l	>24 Hours
LR1 Dup	SW1199	09/13/2003	2142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-14-0142	09/14/2003	0142	<1	µg/l	>24 Hours
LR1	LR1-SW-09-14-0542	09/14/2003	0542	<1	µg/l	>24 Hours
LR1	LR1-SW-09-14-0942	09/14/2003	0942	<1	µg/l	>24 Hours
LR1	LR1-SW-09-14-1342	09/14/2003	1342	<1	µg/l	
LR1	LR1-SW-09-14-1742	09/14/2003	1742	<1	µg/l	
LR1	LR1-SW-09-14-2142	09/14/2003	2142	<1	µg/l	
LR1	LR1-SW-09-15-0142	09/15/2003	0142	<1	µg/l	
LR1	LR1-SW-09-15-0542	09/15/2003	0542	<1	µg/l	
LR1	LR1-SW-09-15-0942	09/15/2003	0942	<1	µg/l	
LR1 Dup	SW1200	09/15/2003	0942	<1	µg/l	
LR1	LR1-SW-09-15-1342	09/15/2003	1342	<1	µg/l	>24 Hours
LR1	LR1-SW-09-15-1742	09/15/2003	1742	<1	µg/l	>24 Hours
LR1	LR1-SW-09-15-2141	09/15/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-16-0141	09/16/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-16-0541	09/16/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-16-0941	09/16/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-16-1341	09/16/2003	1341	<1	µg/l	
LR1	LR1-SW-09-16-1741	09/16/2003	1741	<1	µg/l	
LR1	LR1-SW-09-16-2141	09/16/2003	2141	<1	µg/l	
LR1 Dup	SW1210	09/16/2003	2141	<1	µg/l	
LR1	LR1-SW-09-17-0141	09/17/2003	0141	<1	µg/l	
LR1	LR1-SW-09-17-0541	09/17/2003	0541	<1	µg/l	
LR1	LR1-SW-09-17-0941	09/17/2003	0941	<1	µg/l	
LR1	LR1-SW-09-17-1341	09/17/2003	1341	<1	µg/l	>24 Hours
LR1	LR1-SW-09-17-1741	09/17/2003	1741	<1	µg/l	>24 Hours
LR1 Dup	SW1221	09/17/2003	1741	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-09-17-2141	09/17/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-18-0141	09/18/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-18-0541	09/18/2003	0541	<1	µg/l	>24 Hours
LR1	Not Sampled	09/18/2003	0941	--	--	Equipment Error
LR1	Not Sampled	09/18/2003	1341	--	--	Equipment Error
LR1	Not Sampled	09/18/2003	1741	--	--	Equipment Error
LR1	Not Sampled	09/18/2003	2141	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	0141	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	0541	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	0941	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	1341	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	1741	--	--	Equipment Error
LR1	Not Sampled	09/19/2003	2141	--	--	Equipment Error
LR1	Not Sampled	09/20/2003	0141	--	--	Equipment Error
LR1	Not Sampled	09/20/2003	0541	--	--	Equipment Error
LR1	Not Sampled	09/20/2003	0941	--	--	Equipment Error
LR1	Not Sampled	09/20/2003	1341	--	--	Equipment Error
LR1	Not Sampled	09/20/2003	1741	--	--	Equipment Error
LR1	LR1-SW-09-20-2141	09/20/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-21-0141	09/21/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-21-0541	09/21/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-21-0941	09/21/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-21-1341	09/21/2003	1341	<1	µg/l	
LR1	LR1-SW-09-21-1741	09/21/2003	1741	<1	µg/l	
LR1	LR1-SW-09-21-2141	09/21/2003	2141	<1	µg/l	
LR1 Dup	SW1241	09/21/2003	2141	<1	µg/l	
LR1	LR1-SW-09-22-0141	09/22/2003	0141	<1	µg/l	
LR1	LR1-SW-09-22-0541	09/22/2003	0541	<1	µg/l	
LR1	LR1-SW-09-22-0941	09/22/2003	0941	<1	µg/l	
LR1	LR1-SW-09-22-1341	09/22/2003	1341	<1	µg/l	>24 Hours
LR1	LR1-SW-09-22-1741	09/22/2003	1741	<1	µg/l	>24 Hours
LR1	LR1-SW-09-22-2141	09/22/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-23-0141	09/23/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-23-0541	09/23/2003	0541	<1	µg/l	>24 Hours
LR1 Dup	SW1263	09/23/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-23-0941	09/23/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-23-1341	09/23/2003	1341	<1	µg/l	
LR1	LR1-SW-09-23-1741	09/23/2003	1741	<1	µg/l	
LR1	LR1-SW-09-23-2141	09/23/2003	2141	<1	µg/l	
LR1	LR1-SW-09-24-0141	09/24/2003	0141	<1	µg/l	
LR1	LR1-SW-09-24-0541	09/24/2003	0541	<1	µg/l	
LR1	LR1-SW-09-24-0941	09/24/2003	0941	<1	µg/l	
LR1	LR1-SW-09-24-1341	09/24/2003	1341	<1	µg/l	>24 Hours
LR1 Dup	SW1278	09/24/2003	1341	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LR1	LR1-SW-09-24-1741	09/24/2003	1741	<1	µg/l	>24 Hours
LR1	LR1-SW-09-24-2141	09/24/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-25-0141	09/25/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-25-0541	09/25/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-25-0941	09/25/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-25-1341	09/25/2003	1341	<1	µg/l	
LR1	LR1-SW-09-25-1741	09/25/2003	1741	<1	µg/l	
LR1	LR1-SW-09-25-2141	09/25/2003	2141	<1	µg/l	
LR1	LR1-SW-09-26-0141	09/26/2003	0141	<1	µg/l	
LR1	LR1-SW-09-26-0541	09/26/2003	0541	<1	µg/l	
LR1 Dup	SW1279	09/26/2003	0541	<1	µg/l	
LR1	LR1-SW-09-26-0941	09/26/2003	0941	<1	µg/l	
LR1	LR1-SW-09-26-1341	09/26/2003	1341	<1	µg/l	>24 Hours
LR1	LR1-SW-09-26-1741	09/26/2003	1741	<1	µg/l	>24 Hours
LR1	LR1-SW-09-26-2141	09/26/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-0141	09/27/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-0541	09/27/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-0941	09/27/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-1341	09/27/2003	1341	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-1742	09/27/2003	1742	<1	µg/l	>24 Hours
LR1 Dup	SW1293	09/27/2003	1742	<1	µg/l	>24 Hours
LR1	LR1-SW-09-27-2141	09/27/2003	2141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-28-0141	09/28/2003	0141	<1	µg/l	>24 Hours
LR1	LR1-SW-09-28-0541	09/28/2003	0541	<1	µg/l	>24 Hours
LR1	LR1-SW-09-28-0941	09/28/2003	0941	<1	µg/l	>24 Hours
LR1	LR1-SW-09-28-1341	09/28/2003	1341	<1	µg/l	
LR1	LR1-SW-09-28-1741	09/28/2003	1741	<1	µg/l	
LR1	LR1-SW-09-28-2141	09/28/2003	2141	<1	µg/l	
LR1	LR1-SW-09-29-0141	09/29/2003	0141	<1	µg/l	
LR1	LR1-SW-09-29-0541	09/29/2003	0541	<1	µg/l	
LR1	LR1-SW-09-29-0941	09/29/2003	0941	<1	µg/l	
LR1 Dup	SW1294	09/29/2003	0941	<1	µg/l	
LR1	Not Sampled	09/29/2003	1341	--	--	Equipment Error
LR1	Not Sampled	09/29/2003	1741	--	--	Equipment Error
LR1	Not Sampled	09/29/2003	2141	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	0141	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	0541	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	0941	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	1341	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	1741	--	--	Equipment Error
LR1	Not Sampled	09/30/2003	2141	--	--	Equipment Error
LR1	Not Sampled	10/01/2003	0141	--	--	Equipment Error
LR1	Not Sampled	10/01/2003	0541	--	--	Equipment Error
LR1	Not Sampled	10/01/2003	0941	--	--	Equipment Error

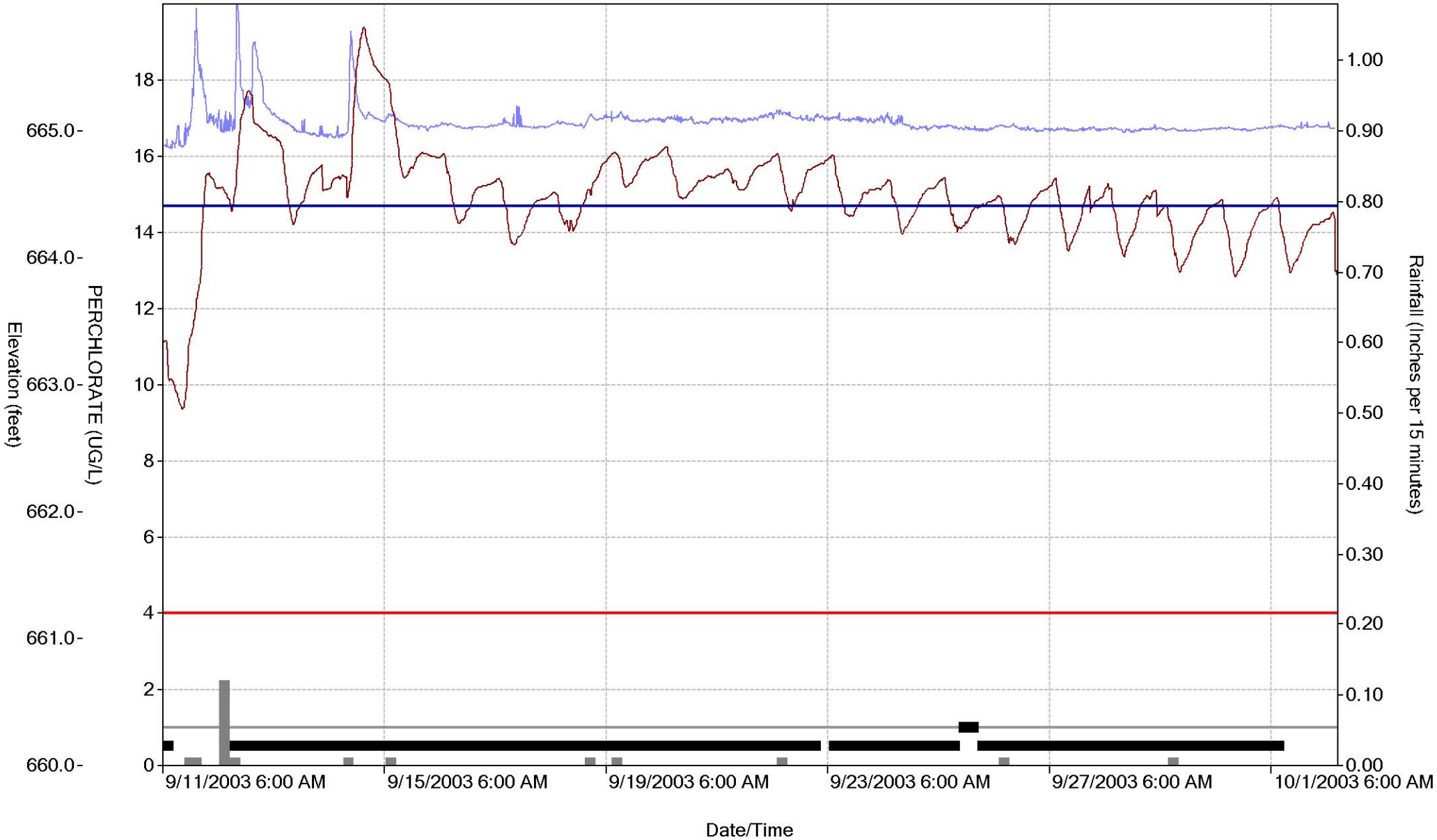
SECOND STORM SAMPLING EVENT LR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/31 13:53

Harris Creek at Middle Windsor Road (HC1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (HC1)	Min: 0.5	Max: 1.0	Avg: 0.51
Rainfall	Min: 0.00	Max: 0.12	Avg: < 0.0005
Corrected Surface Elevation	Min: 664.86	Max: 666.32	Avg: 665.063
Corrected Groundwater Elevation	Min: 662.81	Max: 665.81	Avg: 664.475
Bottom of Stream at Bubbler	Min: 664.41	Max: 664.41	Avg: 664.410

SECOND STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-09-11-0825	09/11/2003	0825	<1	µg/l	
HC1 Dup	SW1190	09/11/2003	0825	<1	µg/l	
HC1	HC1-SW-09-12-0841	09/12/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-12-1241	09/12/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-12-1641	09/12/2003	1641	<1	µg/l	>24 Hours
HC1 Dup	SW1192	09/12/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-12-2041	09/12/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-0041	09/13/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-0441	09/13/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-0841	09/13/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-1241	09/13/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-1641	09/13/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-13-2041	09/13/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-14-0041	09/14/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-14-0441	09/14/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-14-0841	09/14/2003	0841	<1	µg/l	>24 Hours
HC1 Dup	SW1193	09/14/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-14-1241	09/14/2003	1241	<1	µg/l	
HC1	HC1-SW-09-14-1641	09/14/2003	1641	<1	µg/l	
HC1	HC1-SW-09-14-2041	09/14/2003	2041	<1	µg/l	
HC1	HC1-SW-09-15-0041	09/15/2003	0041	<1	µg/l	
HC1	HC1-SW-09-15-0441	09/15/2003	0441	<1	µg/l	
HC1	HC1-SW-09-15-0841	09/15/2003	0841	<1	µg/l	
HC1	HC1-SW-09-15-1241	09/15/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-15-1641	09/15/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-15-2041	09/15/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-16-0041	09/16/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-16-0441	09/16/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-16-0841	09/16/2003	0841	<1	µg/l	
HC1	HC1-SW-09-16-1241	09/16/2003	1241	<1	µg/l	
HC1	HC1-SW-09-16-1641	09/16/2003	1641	<1	µg/l	
HC1 Dup	SW1208	09/16/2003	1641	<1	µg/l	
HC1	HC1-SW-09-16-2041	09/16/2003	2041	<1	µg/l	
HC1	HC1-SW-09-17-0041	09/17/2003	0041	<1	µg/l	
HC1	HC1-SW-09-17-0441	09/17/2003	0441	<1	µg/l	
HC1	HC1-SW-09-17-0841	09/17/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-17-1241	09/17/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-17-1641	09/17/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-17-2041	09/17/2003	2041	<1	µg/l	>24 Hours
HC1 Dup	SW1219	09/17/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-18-0041	09/18/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-18-0441	09/18/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-18-0841	09/18/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-18-1241	09/18/2003	1241	<1	µg/l	

SECOND STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1	HC1-SW-09-18-1641	09/18/2003	1641	<1	µg/l	
HC1	HC1-SW-09-18-2041	09/18/2003	2041	<1	µg/l	
HC1	HC1-SW-09-19-0041	09/19/2003	0041	<1	µg/l	
HC1	HC1-SW-09-19-0441	09/19/2003	0441	<1	µg/l	
HC1	HC1-SW-09-19-0841	09/19/2003	0841	<1	µg/l	
HC1	HC1-SW-09-19-1241	09/19/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-19-1641	09/19/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-19-2041	09/19/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-0041	09/20/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-0441	09/20/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-0841	09/20/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-1241	09/20/2003	1241	<1	µg/l	>24 Hours
HC1 Dup	SW1235	09/20/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-1641	09/20/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-20-2041	09/20/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-21-0041	09/21/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-21-0441	09/21/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-21-0841	09/21/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-21-1241	09/21/2003	1241	<1	µg/l	
HC1	HC1-SW-09-21-1641	09/21/2003	1641	<1	µg/l	
HC1	HC1-SW-09-21-2041	09/21/2003	2041	<1	µg/l	
HC1	HC1-SW-09-22-0041	09/22/2003	0041	<1	µg/l	
HC1	HC1-SW-09-22-0441	09/22/2003	0441	<1	µg/l	
HC1 Dup	SW1236	09/22/2003	0441	<1	µg/l	
HC1	HC1-SW-09-22-0841	09/22/2003	0841	<1	µg/l	
HC1	HC1-SW-09-22-1241	09/22/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-22-1641	09/22/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-22-2041	09/22/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-23-0041	09/23/2003	0041	<1	µg/l	>24 Hours
HC1	Not Sampled	09/23/2003	0441	--	--	Equipment Error
HC1	HC1-SW-09-23-0841	09/23/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-23-1241	09/23/2003	1241	<1	µg/l	
HC1	HC1-SW-09-23-1641	09/23/2003	1641	<1	µg/l	
HC1 Dup	SW1260	09/23/2003	1641	<1	µg/l	
HC1	HC1-SW-09-23-2041	09/23/2003	2041	<1	µg/l	
HC1	HC1-SW-09-24-0041	09/24/2003	0041	<1	µg/l	
HC1	HC1-SW-09-24-0441	09/24/2003	0441	<1	µg/l	
HC1	HC1-SW-09-24-0841	09/24/2003	0841	<1	µg/l	
HC1	HC1-SW-09-24-1241	09/24/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-24-1641	09/24/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-24-2041	09/24/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-25-0041	09/25/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-25-0441	09/25/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-25-0841	09/25/2003	0841	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC1 Dup	SW1273	09/25/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-25-1241	09/25/2003	1241	<1	µg/l	
HC1	HC1-SW-09-25-1641	09/25/2003	1641	**1 J**	µg/l	
HC1	HC1-SW-09-25-2041	09/25/2003	2041	**1 J**	µg/l	
HC1	HC1-SW-09-26-0041	09/26/2003	0041	<1	µg/l	
HC1	HC1-SW-09-26-0441	09/26/2003	0441	<1	µg/l	
HC1	HC1-SW-09-26-0841	09/26/2003	0841	<1	µg/l	
HC1	HC1-SW-09-26-1241	09/26/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-26-1641	09/26/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-26-2041	09/26/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-0041	09/27/2003	0041	<1	µg/l	>24 Hours
HC1 Dup	SW1289	09/27/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-0441	09/27/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-0841	09/27/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-1241	09/27/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-1641	09/27/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-27-2041	09/27/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-28-0041	09/28/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-28-0441	09/28/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-28-0841	09/28/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-28-1241	09/28/2003	1241	<1	µg/l	
HC1	HC1-SW-09-28-1641	09/28/2003	1641	<1	µg/l	
HC1 Dup	SW1290	09/28/2003	1641	<1	µg/l	
HC1	HC1-SW-09-28-2041	09/28/2003	2041	<1	µg/l	
HC1	HC1-SW-09-29-0041	09/29/2003	0041	<1	µg/l	
HC1	HC1-SW-09-29-0441	09/29/2003	0441	<1	µg/l	
HC1	HC1-SW-09-29-0841	09/29/2003	0841	<1	µg/l	
HC1	HC1-SW-09-29-1241	09/29/2003	1241	<1	µg/l	>24 Hours
HC1	HC1-SW-09-29-1641	09/29/2003	1641	<1	µg/l	>24 Hours
HC1	HC1-SW-09-29-2041	09/29/2003	2041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-30-0041	09/30/2003	0041	<1	µg/l	>24 Hours
HC1	HC1-SW-09-30-0441	09/30/2003	0441	<1	µg/l	>24 Hours
HC1	HC1-SW-09-30-0841	09/30/2003	0841	<1	µg/l	>24 Hours
HC1 Dup	SW1305	09/30/2003	0841	<1	µg/l	>24 Hours
HC1	HC1-SW-09-30-1241	09/30/2003	1241	<1	µg/l	
HC1	HC1-SW-09-30-1641	09/30/2003	1641	<1	µg/l	
HC1	HC1-SW-09-30-2041	09/30/2003	2041	<1	µg/l	
HC1	HC1-SW-10-01-0041	10/01/2003	0041	<1	µg/l	
HC1	HC1-SW-10-01-0441	10/01/2003	0441	<1	µg/l	
HC1	HC1-SW-10-01-0841	10/01/2003	0841	<1	µg/l	

SECOND STORM SAMPLING EVENT HC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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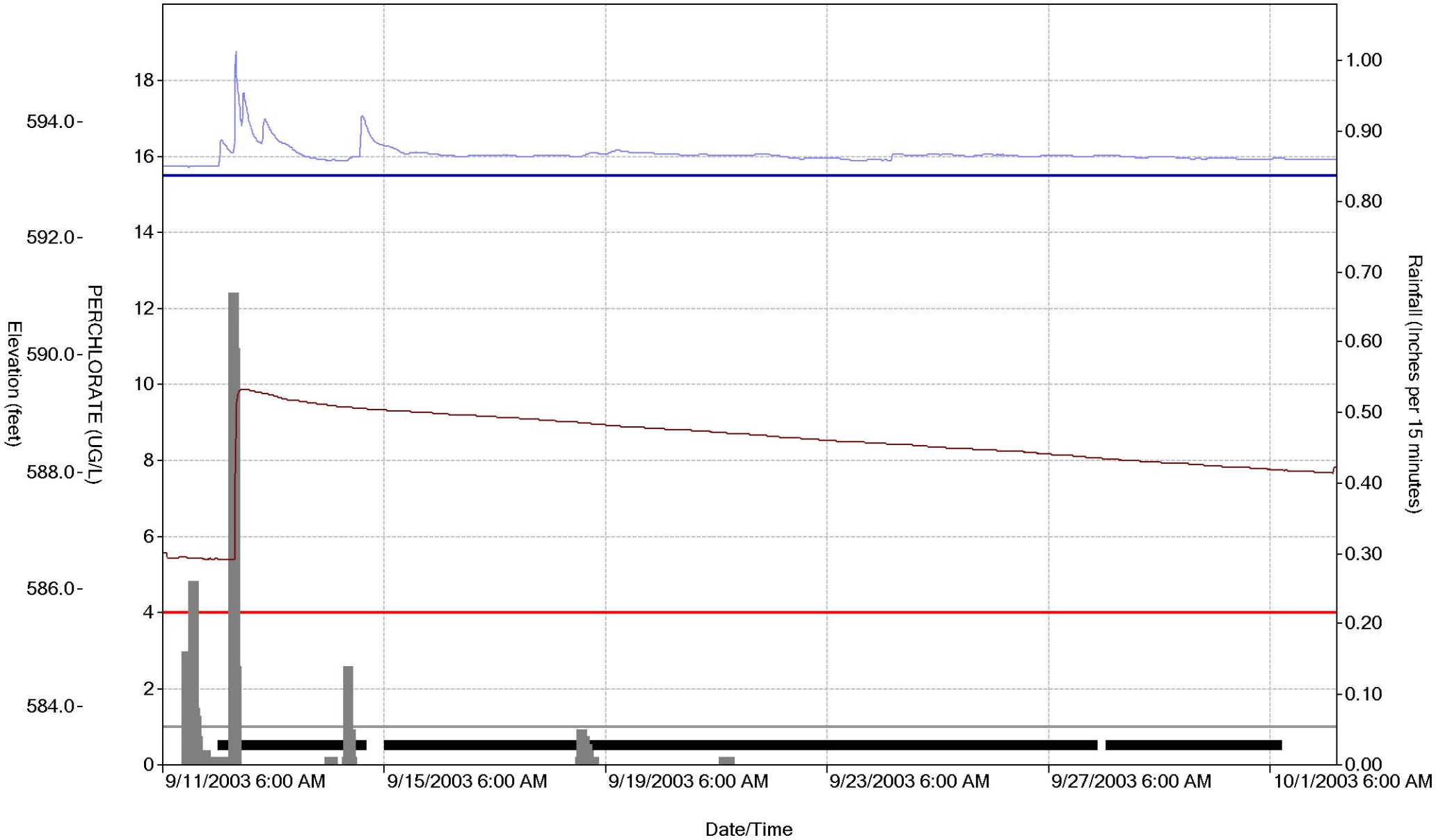
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2003/12/31 13:54

Harris Creek near Val Verde Road (HC2)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (HC2)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.67	Avg: 0.002
Corrected Surface Elevation	Min: 593.22	Max: 595.20	Avg: 593.423
Corrected Groundwater Elevation	Min: 586.49	Max: 589.40	Avg: 588.469
Bottom of Stream at Bubbler	Min: 593.08	Max: 593.08	Avg: 593.080

SECOND STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	Not Sampled	09/11/2003	0700	--	--	Dry
HC2	HC2-SW-09-12-0831	09/12/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-12-1231	09/12/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-12-1631	09/12/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-12-2031	09/12/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-0031	09/13/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-0431	09/13/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-0831	09/13/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-1231	09/13/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-1631	09/13/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-13-2031	09/13/2003	2031	<1	µg/l	>24 Hours
HC2 Dup	SW1191	09/13/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-14-0031	09/14/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-14-0431	09/14/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-14-0831	09/14/2003	0831	<1	µg/l	
HC2	HC2-SW-09-14-1231	09/14/2003	1231	<1	µg/l	
HC2	HC2-SW-09-14-1631	09/14/2003	1631	<1	µg/l	
HC2	HC2-SW-09-14-2031	09/14/2003	2031	<1	µg/l	
HC2	Not Sampled	09/15/2003	0031	--	--	Equipment Error
HC2	Not Sampled	09/15/2003	0431	--	--	Equipment Error
HC2	HC2-SW-09-15-0831	09/15/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-15-1231	09/15/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-15-1631	09/15/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-15-2031	09/15/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-16-0031	09/16/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-16-0431	09/16/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-16-0831	09/16/2003	0831	<1	µg/l	
HC2	HC2-SW-09-16-1231	09/16/2003	1231	<1	µg/l	
HC2	HC2-SW-09-16-1631	09/16/2003	1631	<1	µg/l	
HC2	HC2-SW-09-16-2031	09/16/2003	2031	<1	µg/l	
HC2 Dup	SW1207B	09/16/2003	2031	<1	µg/l	
HC2	HC2-SW-09-17-0031	09/17/2003	0031	<1	µg/l	
HC2	HC2-SW-09-17-0431	09/17/2003	0431	<1	µg/l	
HC2	HC2-SW-09-17-0831	09/17/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-17-1231	09/17/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-17-1631	09/17/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-17-2031	09/17/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-18-0031	09/18/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-18-0431	09/18/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-18-0831	09/18/2003	0831	<1	µg/l	>24 Hours
HC2 Dup	SW1218	09/18/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-18-1231	09/18/2003	1231	<1	µg/l	
HC2	HC2-SW-09-18-1631	09/18/2003	1631	<1	µg/l	
HC2	HC2-SW-09-18-2031	09/18/2003	2031	<1	µg/l	

SECOND STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-09-19-0031	09/19/2003	0031	<1	µg/l	
HC2	HC2-SW-09-19-0431	09/19/2003	0431	<1	µg/l	
HC2	HC2-SW-09-19-0831	09/19/2003	0831	<1	µg/l	
HC2	HC2-SW-09-19-1231	09/19/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-19-1631	09/19/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-19-2031	09/19/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-0031	09/20/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-0431	09/20/2003	0431	<1	µg/l	>24 Hours
HC2 Dup	SW1233	09/20/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-0831	09/20/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-1231	09/20/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-1631	09/20/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-20-2031	09/20/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-21-0031	09/21/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-21-0431	09/21/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-21-0831	09/21/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-21-1231	09/21/2003	1231	<1	µg/l	
HC2	HC2-SW-09-21-1631	09/21/2003	1631	<1	µg/l	
HC2	HC2-SW-09-21-2031	09/21/2003	2031	<1	µg/l	
HC2 Dup	SW1234	09/21/2003	2031	<1	µg/l	
HC2	HC2-SW-09-22-0031	09/22/2003	0031	<1	µg/l	
HC2	HC2-SW-09-22-0431	09/22/2003	0431	<1	µg/l	
HC2	HC2-SW-09-22-0831	09/22/2003	0831	<1	µg/l	
HC2	HC2-SW-09-22-1231	09/22/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-22-1631	09/22/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-22-2031	09/22/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-23-0031	09/23/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-23-0431	09/23/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-23-0831	09/23/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-23-1231	09/23/2003	1231	<1	µg/l	
HC2	HC2-SW-09-23-1631	09/23/2003	1631	<1	µg/l	
HC2	HC2-SW-09-23-2031	09/23/2003	2031	<1	µg/l	
HC2	HC2-SW-09-24-0031	09/24/2003	0031	<1	µg/l	
HC2 Dup	SW1259	09/24/2003	0031	<1	µg/l	
HC2	HC2-SW-09-24-0431	09/24/2003	0431	<1	µg/l	
HC2	HC2-SW-09-24-0831	09/24/2003	0831	<1	µg/l	
HC2	HC2-SW-09-24-1231	09/24/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-24-1631	09/24/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-24-2031	09/24/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-25-0031	09/25/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-25-0431	09/25/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-25-0831	09/25/2003	0831	<1	µg/l	>24 Hours
HC2 Dup	SW1272	09/25/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-25-1231	09/25/2003	1231	<1	µg/l	

SECOND STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HC2	HC2-SW-09-25-1631	09/25/2003	1631	<1	µg/l	
HC2	HC2-SW-09-25-2031	09/25/2003	2031	<1	µg/l	
HC2	HC2-SW-09-26-0031	09/26/2003	0031	<1	µg/l	
HC2	HC2-SW-09-26-0431	09/26/2003	0431	<1	µg/l	
HC2	HC2-SW-09-26-0831	09/26/2003	0831	<1	µg/l	
HC2	HC2-SW-09-26-1231	09/26/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-26-1631	09/26/2003	1631	<1	µg/l	>24 Hours
HC2 Dup	SW1287	09/26/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-26-2031	09/26/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-0031	09/27/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-0431	09/27/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-0831	09/27/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-1231	09/27/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-1631	09/27/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-27-2031	09/27/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-28-0031	09/28/2003	0031	<1	µg/l	>24 Hours
HC2	Not Sampled	09/28/2003	0431	--	--	Equipment Error
HC2	HC2-SW-09-28-0831	09/28/2003	0831	<1	µg/l	
HC2 Dup	SW1288	09/28/2003	0831	<1	µg/l	
HC2	HC2-SW-09-28-1231	09/28/2003	1231	<1	µg/l	
HC2	HC2-SW-09-28-1631	09/28/2003	1631	<1	µg/l	
HC2	HC2-SW-09-28-2031	09/28/2003	2031	<1	µg/l	
HC2	HC2-SW-09-29-0031	09/29/2003	0031	<1	µg/l	
HC2	HC2-SW-09-29-0431	09/29/2003	0431	<1	µg/l	
HC2	HC2-SW-09-29-0831	09/29/2003	0831	<1	µg/l	
HC2	HC2-SW-09-29-1231	09/29/2003	1231	<1	µg/l	>24 Hours
HC2	HC2-SW-09-29-1631	09/29/2003	1631	<1	µg/l	>24 Hours
HC2	HC2-SW-09-29-2031	09/29/2003	2031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-30-0031	09/30/2003	0031	<1	µg/l	>24 Hours
HC2	HC2-SW-09-30-0431	09/30/2003	0431	<1	µg/l	>24 Hours
HC2	HC2-SW-09-30-0831	09/30/2003	0831	<1	µg/l	>24 Hours
HC2	HC2-SW-09-30-1231	09/30/2003	1231	<1	µg/l	
HC2	HC2-SW-09-30-1631	09/30/2003	1631	<1	µg/l	
HC2 Dup	SW1304	09/30/2003	1631	<1	µg/l	
HC2	HC2-SW-09-30-2031	09/30/2003	2031	<1	µg/l	
HC2	HC2-SW-10-01-0031	10/01/2003	0031	<1	µg/l	
HC2	HC2-SW-10-01-0431	10/01/2003	0431	<1	µg/l	
HC2	HC2-SW-10-01-0831	10/01/2003	0831	<1	µg/l	

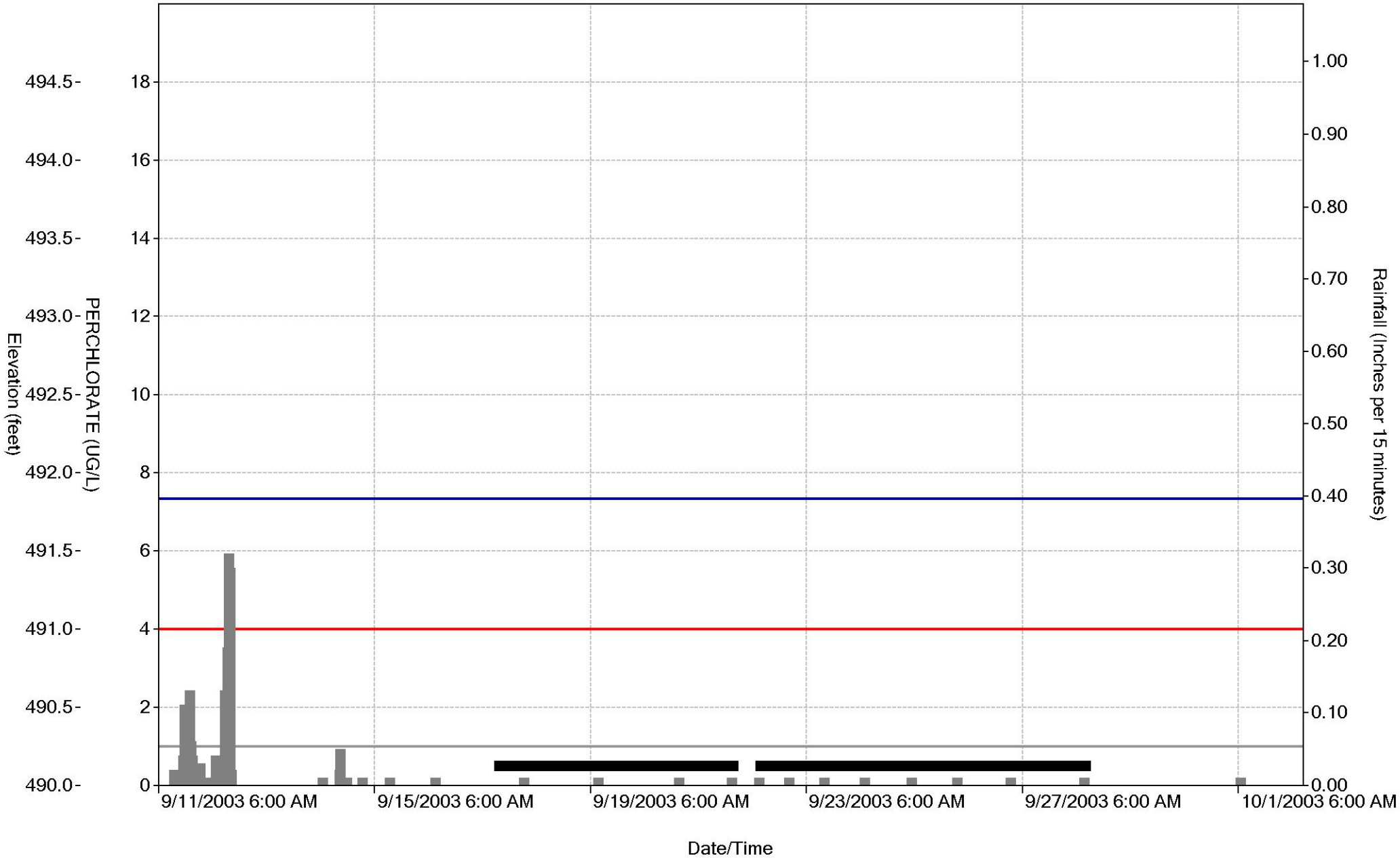
SECOND STORM SAMPLING EVENT HC2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/31 13:58

South Bosque River at Church Road (SBR3)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR3)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.32	Avg: 0.002
Bottom of Stream at Bubbler	Min: 491.83	Max: 491.83	Avg: 491.830

SECOND STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	Not Sampled	09/11/2003	0700	--	--	Dry
SBR3	Not Sampled	09/11/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/11/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/11/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	0940	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/12/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	0940	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/13/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	0940	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/14/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	09/15/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/15/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/15/2003	0940	--	--	Equipment Error
SBR3	SBR3-SW-09-17-1340	09/17/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-17-1740	09/17/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-17-2140	09/17/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-18-0140	09/18/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-18-0540	09/18/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-18-0940	09/18/2003	0940	<1	µg/l	
SBR3	SBR3-SW-09-18-1340	09/18/2003	1340	<1	µg/l	
SBR3	SBR3-SW-09-18-1740	09/18/2003	1740	<1	µg/l	
SBR3 Dup	SW1217	09/18/2003	1740	<1	µg/l	
SBR3	SBR3-SW-09-18-2140	09/18/2003	2140	<1	µg/l	
SBR3	SBR3-SW-09-19-0140	09/19/2003	0140	<1	µg/l	
SBR3	SBR3-SW-09-19-0540	09/19/2003	0540	<1	µg/l	
SBR3	SBR3-SW-09-19-0940	09/19/2003	0940	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-19-1340	09/19/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-19-1740	09/19/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-19-2140	09/19/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-20-0140	09/20/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-20-0540	09/20/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-20-0940	09/20/2003	0940	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

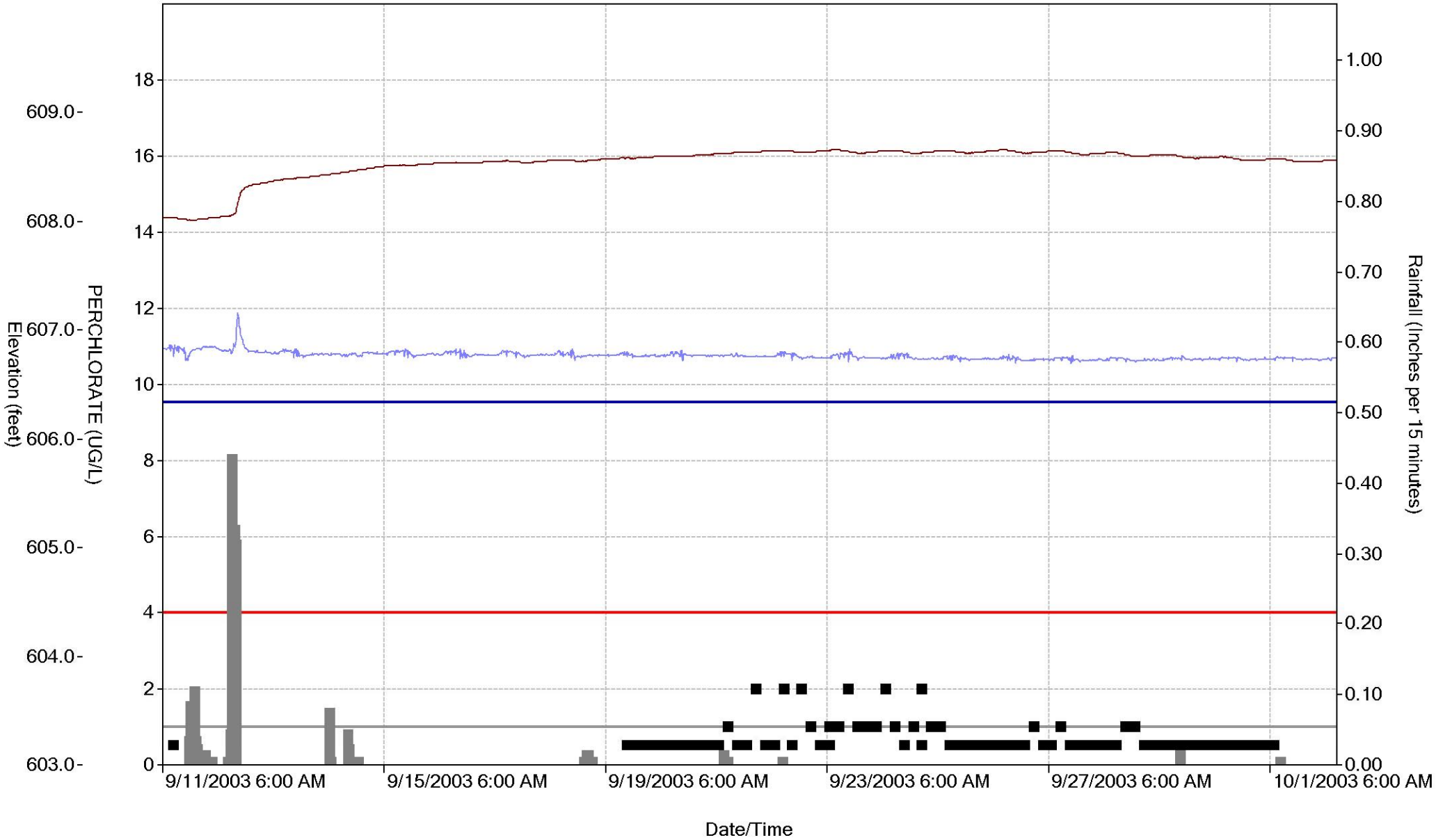
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	SBR3-SW-09-20-1340	09/20/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-20-1740	09/20/2003	1740	<1	µg/l	>24 Hours
SBR3 Dup	SW1244	09/20/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-20-2140	09/20/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-21-0140	09/21/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-21-0540	09/21/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-21-0940	09/21/2003	0940	<1	µg/l	
SBR3	SBR3-SW-09-21-1340	09/21/2003	1340	<1	µg/l	
SBR3	SBR3-SW-09-21-1740	09/21/2003	1740	<1	µg/l	
SBR3	SBR3-SW-09-21-2140	09/21/2003	2140	<1	µg/l	
SBR3	SBR3-SW-09-22-0140	09/22/2003	0140	--	--	Sample broken in shipment
SBR3	Not Sampled	09/22/2003	0540	--	--	Equipment Error
SBR3	SBR3-SW-09-22-0940	09/22/2003	0940	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-22-1340	09/22/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-22-1740	09/22/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-22-2140	09/22/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-23-0140	09/23/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-23-0540	09/23/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-23-0940	09/23/2003	0940	<1	µg/l	
SBR3	SBR3-SW-09-23-1340	09/23/2003	1340	<1	µg/l	
SBR3 Dup	SW1258	09/23/2003	1340	<1	µg/l	
SBR3	SBR3-SW-09-23-1740	09/23/2003	1740	<1	µg/l	
SBR3	SBR3-SW-09-23-2140	09/23/2003	2140	<1	µg/l	
SBR3	SBR3-SW-09-24-0140	09/24/2003	0140	<1	µg/l	
SBR3	SBR3-SW-09-24-0540	09/24/2003	0540	<1	µg/l	
SBR3	SBR3-SW-09-24-0940	09/24/2003	0940	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-24-1340	09/24/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-24-1740	09/24/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-24-2140	09/24/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-25-0140	09/25/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-25-0540	09/25/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-25-0940	09/25/2003	0940	<1	µg/l	
SBR3	SBR3-SW-09-25-1340	09/25/2003	1340	<1	µg/l	
SBR3 Dup	SW1271	09/25/2003	1340	<1	µg/l	
SBR3	SBR3-SW-09-25-1740	09/25/2003	1740	<1	µg/l	
SBR3	SBR3-SW-09-25-2140	09/25/2003	2140	<1	µg/l	
SBR3	SBR3-SW-09-26-0140	09/26/2003	0140	<1	µg/l	
SBR3	SBR3-SW-09-26-0540	09/26/2003	0540	<1	µg/l	
SBR3	SBR3-SW-09-26-0940	09/26/2003	0940	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-26-1340	09/26/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-26-1740	09/26/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-26-2140	09/26/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-27-0140	09/27/2003	0140	<1	µg/l	>24 Hours
SBR3 Dup	SW1286	09/27/2003	0140	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR3 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR3	SBR3-SW-09-27-0540	09/27/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-27-0940	09/27/2003	0940	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-27-1340	09/27/2003	1340	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-27-1740	09/27/2003	1740	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-27-2140	09/27/2003	2140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-28-0140	09/28/2003	0140	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-28-0540	09/28/2003	0540	<1	µg/l	>24 Hours
SBR3	SBR3-SW-09-28-0940	09/28/2003	0940	<1	µg/l	
SBR3	Not Sampled	09/28/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/28/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/28/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	09/29/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/29/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/29/2003	0940	--	--	Equipment Error
SBR3	Not Sampled	09/29/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/29/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	0540	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	0940	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	1340	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	1740	--	--	Equipment Error
SBR3	Not Sampled	09/30/2003	2140	--	--	Equipment Error
SBR3	Not Sampled	10/01/2003	0140	--	--	Equipment Error
SBR3	Not Sampled	10/01/2003	0540	--	--	Equipment Error

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

South Bosque River at Indian Trail (SBR1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR1)	Min: 0.5	Max: 2.0	Avg: 0.71
Rainfall	Min: 0.00	Max: 0.44	Avg: 0.001
Corrected Surface Elevation	Min: 606.69	Max: 607.16	Avg: 606.760
Corrected Groundwater Elevation	Min: 608.01	Max: 608.65	Avg: 608.533
Bottom of Stream at Bubbler	Min: 606.34	Max: 606.34	Avg: 606.340

SECOND STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-09-11-1045	09/11/2003	1045	<1	µg/l	
SBR1	Not Sampled	09/11/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/11/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/12/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/13/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/14/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/15/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	1049	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/16/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	1848	--	--	Equipment Error
SBR1	Not Sampled	09/17/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/18/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/18/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/18/2003	1048	--	--	Equipment Error
SBR1	Not Sampled	09/18/2003	1448	--	--	Equipment Error
SBR1	Not Sampled	09/18/2003	1848	--	--	Equipment Error

SECOND STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	Not Sampled	09/18/2003	2248	--	--	Equipment Error
SBR1	Not Sampled	09/19/2003	0248	--	--	Equipment Error
SBR1	Not Sampled	09/19/2003	0648	--	--	Equipment Error
SBR1	Not Sampled	09/19/2003	1048	--	--	Equipment Error
SBR1	SBR1-SW-09-19-1501	09/19/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-19-1901	09/19/2003	1901	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-19-2301	09/19/2003	2301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-0301	09/20/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-0701	09/20/2003	0701	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-1101	09/20/2003	1101	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-1501	09/20/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-1901	09/20/2003	1901	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-20-2301	09/20/2003	2301	<1	µg/l	>24 Hours
SBR1 Dup	SW1237A	09/20/2003	2301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-21-0301	09/21/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-21-0701	09/21/2003	0701	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-21-1101	09/21/2003	1101	**1 J**	µg/l	
SBR1	SBR1-SW-09-21-1501	09/21/2003	1501	<1	µg/l	
SBR1	SBR1-SW-09-21-1901	09/21/2003	1901	<1	µg/l	
SBR1	SBR1-SW-09-21-2301	09/21/2003	2301	**2 J**	µg/l	
SBR1	SBR1-SW-09-22-0301	09/22/2003	0301	<1	µg/l	
SBR1	SBR1-SW-09-22-0701	09/22/2003	0701	<1	µg/l	
SBR1	SBR1-SW-09-22-1101	09/22/2003	1101	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-22-1501	09/22/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-22-1901	09/22/2003	1901	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-22-2301	09/22/2003	2301	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-23-0301	09/23/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-23-0701	09/23/2003	0701	<1	µg/l	>24 Hours
SBR1 Dup	SW1261	09/23/2003	0701	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-23-1101	09/23/2003	1101	**1 J**	µg/l	
SBR1	SBR1-SW-09-23-1501	09/23/2003	1501	**2 J**	µg/l	
SBR1	SBR1-SW-09-23-1901	09/23/2003	1901	**1 J**	µg/l	
SBR1	SBR1-SW-09-23-2301	09/23/2003	2301	**1 J**	µg/l	
SBR1	SBR1-SW-09-24-0301	09/24/2003	0301	**1 J**	µg/l	
SBR1	SBR1-SW-09-24-0701	09/24/2003	0701	**2 J**	µg/l	
SBR1	SBR1-SW-09-24-1101	09/24/2003	1101	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-24-1501	09/24/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-24-1901	09/24/2003	1901	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-24-2301	09/24/2003	2301	<1	µg/l	>24 Hours
SBR1 Dup	SW1274	09/24/2003	2301	**2 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-25-0301	09/25/2003	0301	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-25-0701	09/25/2003	0701	**1 J**	µg/l	
SBR1	SBR1-SW-09-25-1101	09/25/2003	1101	<1	µg/l	
SBR1	SBR1-SW-09-25-1501	09/25/2003	1501	<1	µg/l	

SECOND STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR1	SBR1-SW-09-25-1901	09/25/2003	1901	<1	µg/l	
SBR1	SBR1-SW-09-25-2301	09/25/2003	2301	<1	µg/l	
SBR1	SBR1-SW-09-26-0301	09/26/2003	0301	<1	µg/l	
SBR1	SBR1-SW-09-26-0701	09/26/2003	0701	<1	µg/l	
SBR1	SBR1-SW-09-26-1101	09/26/2003	1101	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-26-1501	09/26/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-26-1901	09/26/2003	1901	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-26-2301	09/26/2003	2301	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-0301	09/27/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-0701	09/27/2003	0701	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-1101	09/27/2003	1101	**1 J**	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-1501	09/27/2003	1501	<1	µg/l	>24 Hours
SBR1 Dup	SW1297	09/27/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-1901	09/27/2003	1901	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-27-2301	09/27/2003	2301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-28-0301	09/28/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-28-0701	09/28/2003	0701	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-28-1101	09/28/2003	1101	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-28-1501	09/28/2003	1501	**1 J**	µg/l	
SBR1	SBR1-SW-09-28-1901	09/28/2003	1901	**1 J**	µg/l	
SBR1	SBR1-SW-09-28-2301	09/28/2003	2301	<1	µg/l	
SBR1	SBR1-SW-09-29-0301	09/29/2003	0301	<1	µg/l	
SBR1	SBR1-SW-09-29-0701	09/29/2003	0701	<1	µg/l	
SBR1 Dup	SW1298	09/29/2003	0701	<1	µg/l	
SBR1	SBR1-SW-09-29-1102	09/29/2003	1101	<1	µg/l	
SBR1	SBR1-SW-09-29-1501	09/29/2003	1501	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-29-1901	09/29/2003	1901	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-29-2301	09/29/2003	2301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-30-0301	09/30/2003	0301	<1	µg/l	>24 Hours
SBR1 Dup	SW1306	09/30/2003	0301	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-30-0701	09/30/2003	0701	<1	µg/l	>24 Hours
SBR1	SBR1-SW-09-30-1101	09/30/2003	1101	<1	µg/l	
SBR1	SBR1-SW-09-30-1501	09/30/2003	1501	<1	µg/l	
SBR1	SBR1-SW-09-30-1901	09/30/2003	1901	<1	µg/l	
SBR1	SBR1-SW-09-30-2301	09/30/2003	2301	<1	µg/l	
SBR1	SBR1-SW-10-01-0301	10/01/2003	0301	<1	µg/l	
SBR1	SBR1-SW-10-01-0701	10/01/2003	0701	<1	µg/l	

SECOND STORM SAMPLING EVENT SBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 4)

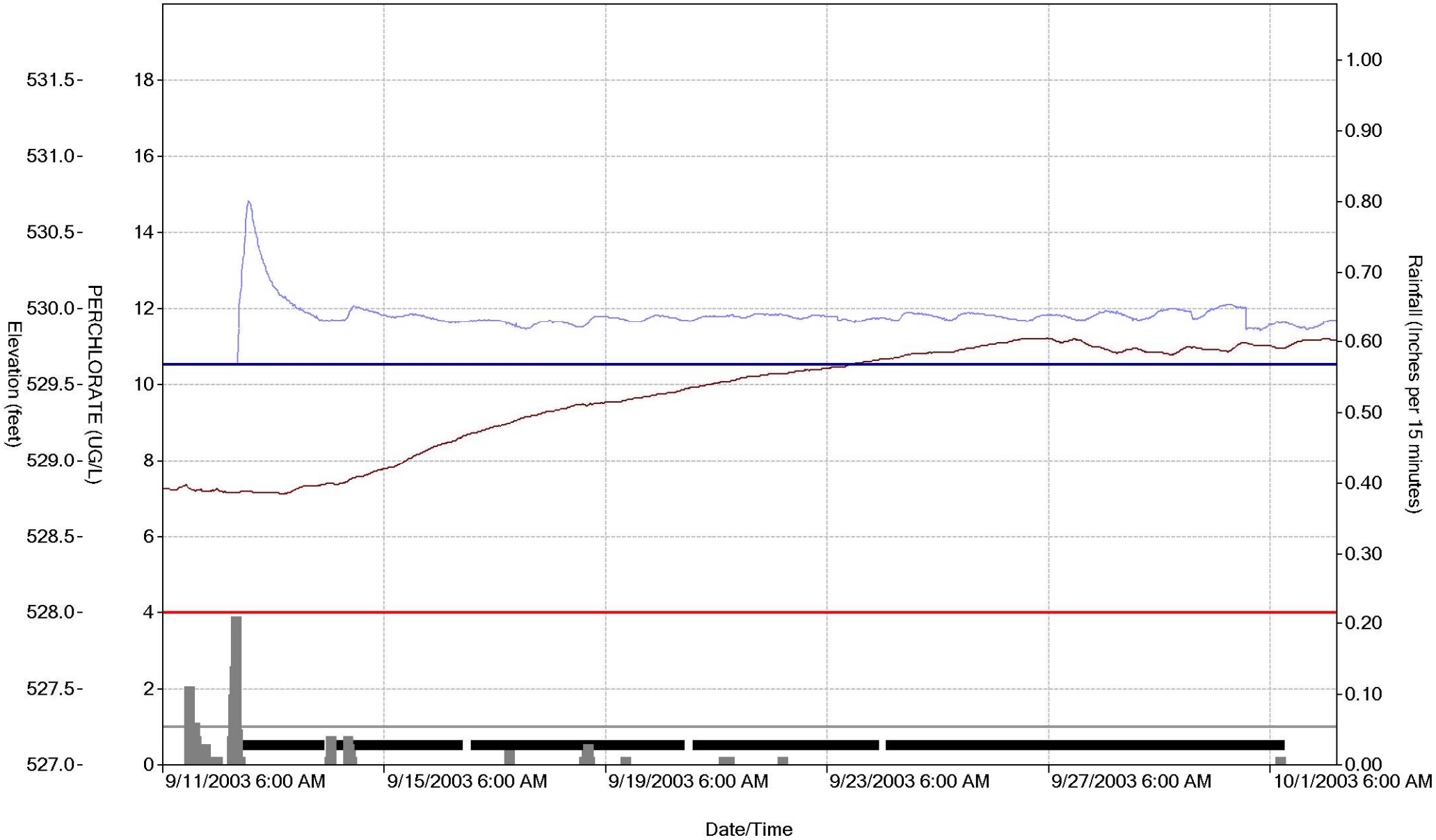
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.
J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

2003/12/31 13:57

South Bosque River near Cotton Belt Parkway (SBR2)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR2)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.21	Avg: 0.001
Corrected Surface Elevation	Min: 529.63	Max: 530.70	Avg: 529.931
Corrected Groundwater Elevation	Min: 528.78	Max: 529.80	Avg: 529.415
Bottom of Stream at Bubbler	Min: 529.63	Max: 529.63	Avg: 529.630

SECOND STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2	Not Sampled	09/11/2003	0700	--	--	Dry
SBR2	Not Sampled	09/11/2003	1743	--	--	Dry
SBR2	Not Sampled	09/11/2003	2143	--	--	Dry
SBR2	Not Sampled	09/12/2003	0143	--	--	Dry
SBR2	Not Sampled	09/12/2003	0543	--	--	Dry
SBR2	Not Sampled	09/12/2003	0943	--	--	Dry
SBR2	Not Sampled	09/12/2003	1343	--	--	Dry
SBR2	SBR2-SW-09-12-1743	09/12/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-12-2143	09/12/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-0143	09/13/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-0543	09/13/2003	0543	<1	µg/l	>24 Hours
SBR2 Dup	SW1204	09/13/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-0943	09/13/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-1343	09/13/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-1743	09/13/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-13-2143	09/13/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-14-0143	09/14/2003	0143	<1	µg/l	>24 Hours
SBR2	Not Sampled	09/14/2003	0543	--	--	Equipment Error
SBR2	SBR2-SW-09-14-0943	09/14/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-14-1343	09/14/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-14-1743	09/14/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-14-2143	09/14/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-15-0143	09/15/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-15-0543	09/15/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-15-0943	09/15/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-15-1343	09/15/2003	1343	<1	µg/l	
SBR2 Dup	SW1205	09/15/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-15-1743	09/15/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-15-2143	09/15/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-16-0143	09/16/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-16-0543	09/16/2003	0543	<1	µg/l	>24 Hours
SBR2 Dup	SW1212	09/16/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-16-0943	09/16/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-16-1343	09/16/2003	1343	<1	µg/l	
SBR2	Not Sampled	09/16/2003	1743	--	--	Equipment Error
SBR2	SBR2-SW-09-16-2143	09/16/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-17-0143	09/17/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-17-0543	09/17/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-17-0943	09/17/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-19-1343	09/17/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-19-1743	09/17/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-19-2143	09/17/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-18-0143	09/18/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-18-0543	09/18/2003	0543	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2 Dup	SW1223	09/18/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-18-0943	09/18/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-18-1343	09/18/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-18-1743	09/18/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-18-2143	09/18/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-19-0143	09/19/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-19-0543	09/19/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-19-0943	09/19/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-19-1343	09/19/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-19-1743	09/19/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-19-2143	09/19/2003	2143	<1	µg/l	>24 Hours
SBR2 Dup	SW1237B	09/19/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-20-0143	09/20/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-20-0543	09/20/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-20-0943	09/20/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-20-1343	09/20/2003	1343	<1	µg/l	>24 Hours
SBR2	Not Sampled	09/20/2003	1743	--	--	Equipment Error
SBR2	SBR2-SW-09-20-2143	09/20/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-21-0143	09/21/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-21-0543	09/21/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-21-0943	09/21/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-21-1343	09/21/2003	1343	<1	µg/l	
SBR2 Dup	SW1238	09/21/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-21-1743	09/21/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-21-2143	09/21/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-22-0143	09/22/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-22-0543	09/22/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-22-0943	09/22/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-22-1343	09/22/2003	1343	<1	µg/l	>24 Hours
SBR2 Dup	SW1265	09/22/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-22-1743	09/22/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-22-2143	09/22/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-23-0143	09/23/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-23-0543	09/23/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-23-0943	09/23/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-23-1343	09/23/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-23-1743	09/23/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-23-2143	09/23/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-24-0143	09/24/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-24-0543	09/24/2003	0543	--	--	Sample broken in shipment
SBR2	SBR2-SW-09-24-0943	09/24/2003	0943	<1	µg/l	
SBR2 Dup	SW1266	09/24/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-24-1343	09/24/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-24-1743	09/24/2003	1743	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR2 Dup	SW1275	09/24/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-24-2143	09/24/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-25-0143	09/25/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-25-0543	09/25/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-25-0943	09/25/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-25-1343	09/25/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-25-1743	09/25/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-25-2143	09/25/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-26-0143	09/26/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-26-0543	09/26/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-26-0943	09/26/2003	0943	<1	µg/l	
SBR2 Dup	SW1276	09/26/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-26-1343	09/26/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-26-1743	09/26/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-26-2143	09/26/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-0143	09/27/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-0543	09/27/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-0943	09/27/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-1343	09/27/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-1743	09/27/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-27-2143	09/27/2003	2143	<1	µg/l	>24 Hours
SBR2 Dup	SW1299	09/27/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-28-0143	09/28/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-28-0543	09/28/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-28-0943	09/28/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-28-1343	09/28/2003	1343	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-28-1743	09/28/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-28-2143	09/28/2003	2143	<1	µg/l	
SBR2	SBR2-SW-09-29-0143	09/29/2003	0143	<1	µg/l	
SBR2	SBR2-SW-09-29-0543	09/29/2003	0543	<1	µg/l	
SBR2	SBR2-SW-09-29-0943	09/29/2003	0943	<1	µg/l	
SBR2	SBR2-SW-09-29-1343	09/29/2003	1343	<1	µg/l	
SBR2 Dup	SW1300	09/29/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-29-1743	09/29/2003	1743	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-29-2143	09/29/2003	2143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-30-0143	09/30/2003	0143	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-30-0543	09/30/2003	0543	<1	µg/l	>24 Hours
SBR2 Dup	SW1307	09/30/2003	0543	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-30-0943	09/30/2003	0943	<1	µg/l	>24 Hours
SBR2	SBR2-SW-09-30-1343	09/30/2003	1343	<1	µg/l	
SBR2	SBR2-SW-09-30-1743	09/30/2003	1743	<1	µg/l	
SBR2	SBR2-SW-09-30-2143	09/30/2003	2143	<1	µg/l	
SBR2	SBR2-SW-10-01-0143	10/01/2003	0143	<1	µg/l	
SBR2	SBR2-SW-10-01-0543	10/01/2003	0543	<1	µg/l	
SBR2	SBR2-SW-10-01-0943	10/01/2003	0943	<1	µg/l	

SECOND STORM SAMPLING EVENT SBR2 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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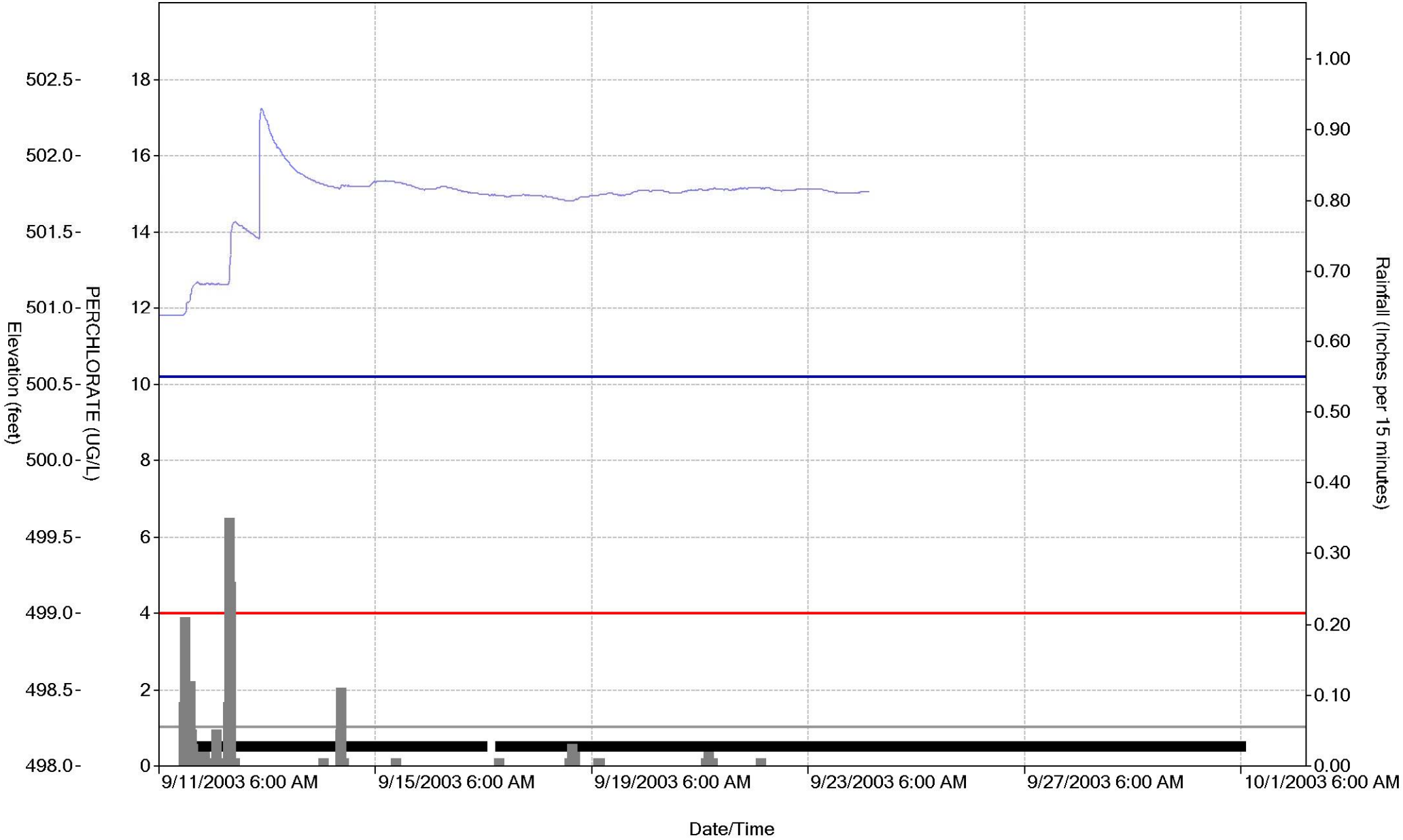
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

South Bosque River near Ruff Road (SBR4)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR4)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.35	Avg: 0.002
Corrected Surface Elevation	Min: 500.95	Max: 502.31	Avg: 501.700
Bottom of Stream at Bubbler	Min: 500.54	Max: 500.54	Avg: 500.540

SECOND STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	Not Sampled	09/11/2003	0700	--	--	Dry
SBR4	SBR4-SW-09-11-1740	09/11/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-11-2140	09/11/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-0140	09/12/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-0540	09/12/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-0940	09/12/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-1340	09/12/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-1740	09/12/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-12-2140	09/12/2003	2140	<1	µg/l	>24 Hours
SBR4 Dup	SW1206	09/12/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-0140	09/13/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-0540	09/13/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-0940	09/13/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-1340	09/13/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-1740	09/13/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-13-2140	09/13/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-14-0140	09/14/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-14-0540	09/14/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-14-0940	09/14/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-14-1340	09/14/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-14-1740	09/14/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-14-2140	09/14/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-15-0140	09/15/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-15-0540	09/15/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-15-0940	09/15/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-15-1340	09/15/2003	1340	<1	µg/l	
SBR4 Dup	SW1207A	09/15/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-15-1740	09/15/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-15-2140	09/15/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-16-0140	09/16/2003	0140	<1	µg/l	>24 Hours
SBR4 Dup	SW1213	09/16/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-16-0540	09/16/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-16-0940	09/16/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-16-1340	09/16/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-16-1740	09/16/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-16-2140	09/16/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-17-0140	09/17/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-17-0540	09/17/2003	0540	<1	µg/l	
SBR4	Not Sampled	09/17/2003	0940	--	--	Equipment Error
SBR4	SBR4-SW-09-17-1340	09/17/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-17-1740	09/17/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-17-2140	09/17/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-18-0140	09/18/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-18-0540	09/18/2003	0540	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-09-18-0940	09/18/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-18-1340	09/18/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-18-1740	09/18/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-18-2140	09/18/2003	2140	<1	µg/l	
SBR4 Dup	SW1216	09/18/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-19-0140	09/19/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-19-0540	09/19/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-19-0940	09/19/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-19-1340	09/19/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-19-1740	09/19/2003	1740	<1	µg/l	>24 Hours
SBR4 Dup	SW1231	09/19/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-19-2140	09/19/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-0140	09/20/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-0540	09/20/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-0940	09/20/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-1340	09/20/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-1740	09/20/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-20-2140	09/20/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-21-0140	09/21/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-21-0540	09/21/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-21-0940	09/21/2003	0940	<1	µg/l	
SBR4 Dup	SW1232	09/21/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-21-1340	09/21/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-21-1740	09/21/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-21-2140	09/21/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-22-0140	09/22/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-22-0540	09/22/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-22-0940	09/22/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-22-1340	09/22/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-22-1740	09/22/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-22-2140	09/22/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-23-0140	09/23/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-23-0540	09/23/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-23-0940	09/23/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-23-1340	09/23/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-23-1740	09/23/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-23-2140	09/23/2003	2140	<1	µg/l	
SBR4 Dup	SW1257	09/23/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-24-0140	09/24/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-24-0540	09/24/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-24-0940	09/24/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-24-1340	09/24/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-24-1740	09/24/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-24-2140	09/24/2003	2140	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR4	SBR4-SW-09-25-0140	09/25/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-25-0540	09/25/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-25-0940	09/25/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-25-1340	09/25/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-25-1740	09/25/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-25-2140	09/25/2003	2140	<1	µg/l	
SBR4 Dup	SW1270	09/25/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-26-0140	09/26/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-26-0540	09/26/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-26-0940	09/26/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-26-1340	09/26/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-26-1740	09/26/2003	1740	<1	µg/l	>24 Hours
SBR4 Dup	SW1284	09/26/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-26-2140	09/26/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-0140	09/27/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-0540	09/27/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-0940	09/27/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-1340	09/27/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-1740	09/27/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-27-2140	09/27/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-28-0140	09/28/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-28-0540	09/28/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-28-0940	09/28/2003	0940	<1	µg/l	
SBR4 Dup	SW1285	09/28/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-28-1340	09/28/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-28-1740	09/28/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-28-2140	09/28/2003	2140	<1	µg/l	
SBR4	SBR4-SW-09-29-0140	09/29/2003	0140	<1	µg/l	
SBR4	SBR4-SW-09-29-0540	09/29/2003	0540	<1	µg/l	
SBR4	SBR4-SW-09-29-0940	09/29/2003	0940	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-29-1340	09/29/2003	1340	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-29-1740	09/29/2003	1740	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-29-2140	09/29/2003	2140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-30-0140	09/30/2003	0140	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-30-0540	09/30/2003	0540	<1	µg/l	>24 Hours
SBR4	SBR4-SW-09-30-0940	09/30/2003	0940	<1	µg/l	
SBR4	SBR4-SW-09-30-1340	09/30/2003	1340	<1	µg/l	
SBR4	SBR4-SW-09-30-1740	09/30/2003	1740	<1	µg/l	
SBR4	SBR4-SW-09-30-2140	09/30/2003	2140	<1	µg/l	
SBR4 Dup	SW1303	09/30/2003	2140	<1	µg/l	
SBR4	SBR4-SW-10-01-0140	10/01/2003	0140	<1	µg/l	
SBR4	SBR4-SW-10-01-0540	10/01/2003	0540	<1	µg/l	

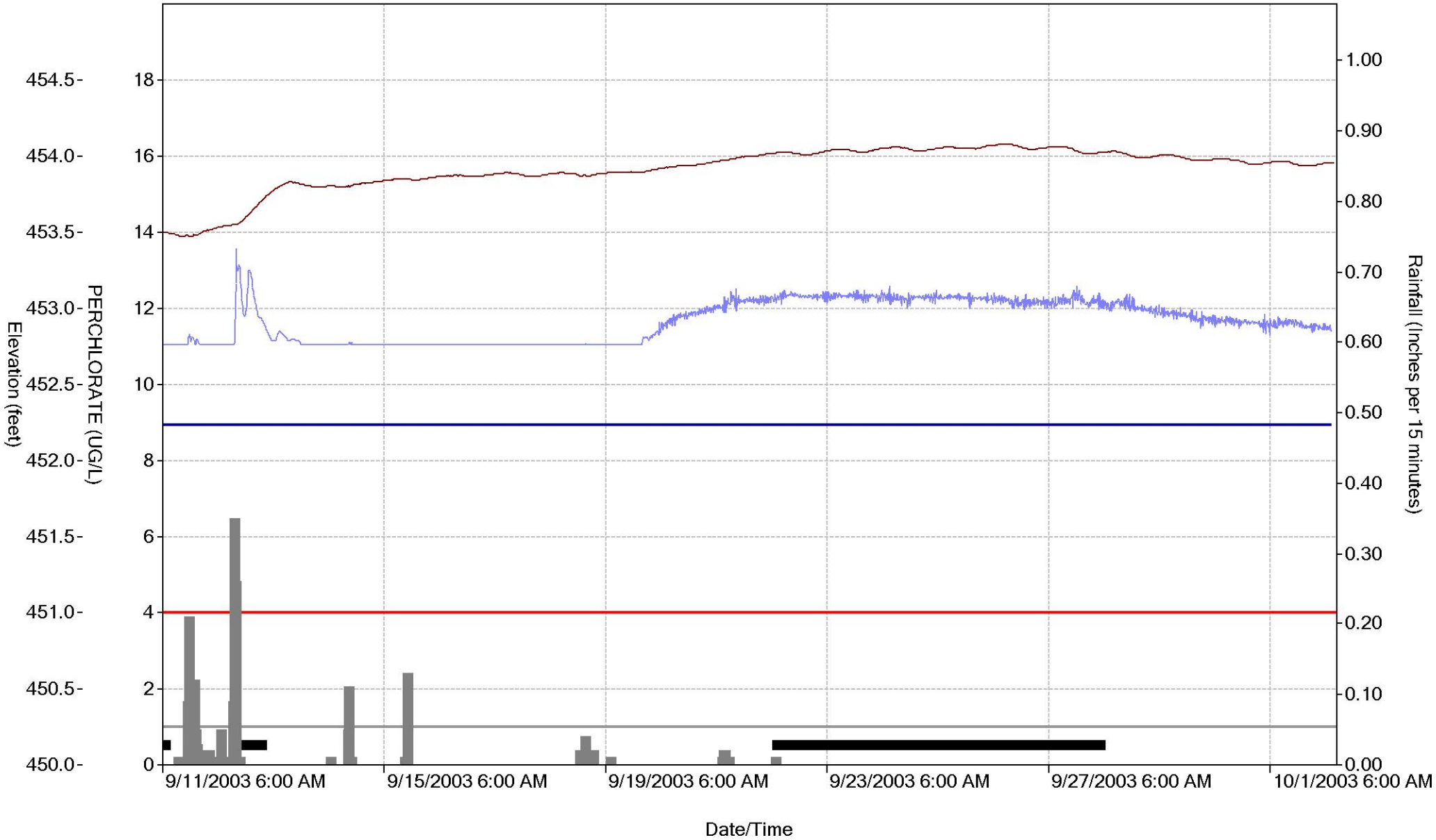
SECOND STORM SAMPLING EVENT SBR4 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/29 15:02

South Bosque River at 84 (SBR5)
Storm Sampling Perchlorate data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (SBR5)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall (MBR-1 data used as no rain gauge installed at SBR-5)	Min: 0.00	Max: 0.35	Avg: 0.002
Corrected Surface Elevation	Min: 452.76	Max: 453.39	Avg: 452.914
Corrected Groundwater Elevation	Min: 453.47	Max: 454.08	Avg: 453.912
Bottom of Stream at Bubbler	Min: 452.23	Max: 452.23	Avg: 452.230

SECOND STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	SBR5-SW-09-11-0740	09/11/2003	0740	<1	µg/l	
SBR5	Not Sampled	09/12/2003	1329	--	--	Dry
SBR5	SBR5-SW-09-12-1711	09/12/2003	1711	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-12-2111	09/12/2003	2111	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-13-0111	09/13/2003	0111	<1	µg/l	>24 Hours
SBR5	Not Sampled	09/13/2003	0511	--	--	Dry
SBR5	Not Sampled	09/13/2003	0911	--	--	Dry
SBR5	Not Sampled	09/13/2003	1311	--	--	Dry
SBR5	Not Sampled	09/13/2003	1711	--	--	Dry
SBR5	Not Sampled	09/13/2003	2111	--	--	Dry
SBR5	Not Sampled	09/14/2003	0111	--	--	Dry
SBR5	Not Sampled	09/14/2003	0511	--	--	Dry
SBR5	Not Sampled	09/14/2003	0911	--	--	Dry
SBR5	Not Sampled	09/14/2003	1311	--	--	Dry
SBR5	Not Sampled	09/14/2003	1711	--	--	Dry
SBR5	Not Sampled	09/14/2003	2111	--	--	Dry
SBR5	Not Sampled	09/15/2003	0111	--	--	Dry
SBR5	Not Sampled	09/15/2003	0511	--	--	Dry
SBR5	Not Sampled	09/15/2003	0911	--	--	Dry
SBR5	Not Sampled	09/15/2003	1311	--	--	Dry
SBR5	Not Sampled	09/15/2003	1611	--	--	Dry
SBR5	Not Sampled	09/15/2003	2011	--	--	Dry
SBR5	Not Sampled	09/16/2003	0011	--	--	Dry
SBR5	Not Sampled	09/16/2003	0411	--	--	Dry
SBR5	Not Sampled	09/16/2003	0811	--	--	Dry
SBR5	Not Sampled	09/16/2003	1211	--	--	Dry
SBR5	Not Sampled	09/16/2003	1611	--	--	Dry
SBR5	Not Sampled	09/16/2003	2011	--	--	Dry
SBR5	Not Sampled	09/17/2003	0011	--	--	Dry
SBR5	Not Sampled	09/17/2003	0411	--	--	Dry
SBR5	Not Sampled	09/17/2003	0811	--	--	Dry
SBR5	Not Sampled	09/17/2003	1211	--	--	Dry
SBR5	Not Sampled	09/17/2003	1611	--	--	Dry
SBR5	Not Sampled	09/17/2003	2011	--	--	Dry
SBR5	Not Sampled	09/18/2003	0011	--	--	Dry
SBR5	Not Sampled	09/18/2003	0411	--	--	Dry
SBR5	Not Sampled	09/18/2003	0811	--	--	Dry
SBR5	Not Sampled	09/18/2003	1211	--	--	Dry
SBR5	Not Sampled	09/18/2003	1611	--	--	Dry
SBR5	Not Sampled	09/18/2003	2011	--	--	Dry
SBR5	Not Sampled	09/19/2003	0011	--	--	Dry
SBR5	Not Sampled	09/19/2003	0411	--	--	Dry
SBR5	Not Sampled	09/19/2003	0811	--	--	Dry
SBR5	Not Sampled	09/19/2003	1211	--	--	Dry

SECOND STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	Not Sampled	09/19/2003	1611	--	--	Dry
SBR5	Not Sampled	09/19/2003	2011	--	--	Dry
SBR5	Not Sampled	09/20/2003	0010	--	--	Dry
SBR5	Not Sampled	09/20/2003	0410	--	--	Dry
SBR5	Not Sampled	09/20/2003	0810	--	--	Dry
SBR5	Not Sampled	09/20/2003	1211	--	--	Dry
SBR5	Not Sampled	09/20/2003	1610	--	--	Dry
SBR5	Not Sampled	09/20/2003	2010	--	--	Dry
SBR5	Not Sampled	09/21/2003	0010	--	--	Dry
SBR5	Not Sampled	09/21/2003	0410	--	--	Dry
SBR5	Not Sampled	09/21/2003	0810	--	--	Dry
SBR5	Not Sampled	09/21/2003	1210	--	--	Dry
SBR5	Not Sampled	09/21/2003	1610	--	--	Dry
SBR5	Not Sampled	09/21/2003	2010	--	--	Dry
SBR5	Not Sampled	09/22/2003	0010	--	--	Dry
SBR5	Not Sampled	09/22/2003	0410	--	--	Dry
SBR5	SBR5-SW-09-22-0810	09/22/2003	0810	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-22-1210	09/22/2003	1210	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-22-1610	09/22/2003	1610	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-22-2010	09/22/2003	2010	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-23-0010	09/23/2003	0010	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-23-0410	09/23/2003	0410	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-23-0810	09/23/2003	0810	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-23-1210	09/23/2003	1210	<1	µg/l	
SBR5	SBR5-SW-09-23-1610	09/23/2003	1610	<1	µg/l	
SBR5	SBR5-SW-09-23-2010	09/23/2003	2010	<1	µg/l	
SBR5	SBR5-SW-09-24-0010	09/24/2003	0010	<1	µg/l	
SBR5	SBR5-SW-09-24-0410	09/24/2003	0410	<1	µg/l	
SBR5 Dup	SW1256	09/24/2003	0410	<1	µg/l	
SBR5	SBR5-SW-09-24-0810	09/24/2003	0810	<1	µg/l	
SBR5	SBR5-SW-09-24-1211	09/24/2003	1211	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-24-1610	09/24/2003	1610	<1	µg/l	>24 Hours
SBR5 Dup	SW1268	09/24/2003	1610	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-24-2010	09/24/2003	2010	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-25-0010	09/25/2003	0010	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-25-0410	09/25/2003	0410	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-25-0811	09/25/2003	0811	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-25-1210	09/25/2003	1210	<1	µg/l	
SBR5	SBR5-SW-09-25-1610	09/25/2003	1610	<1	µg/l	
SBR5	SBR5-SW-09-25-2010	09/25/2003	2010	<1	µg/l	
SBR5	SBR5-SW-09-26-0011	09/26/2003	0011	<1	µg/l	
SBR5	SBR5-SW-09-26-0412	09/26/2003	0412	<1	µg/l	
SBR5	SBR5-SW-09-26-0812	09/26/2003	0812	<1	µg/l	
SBR5 Dup	SW1269	09/26/2003	0812	<1	µg/l	

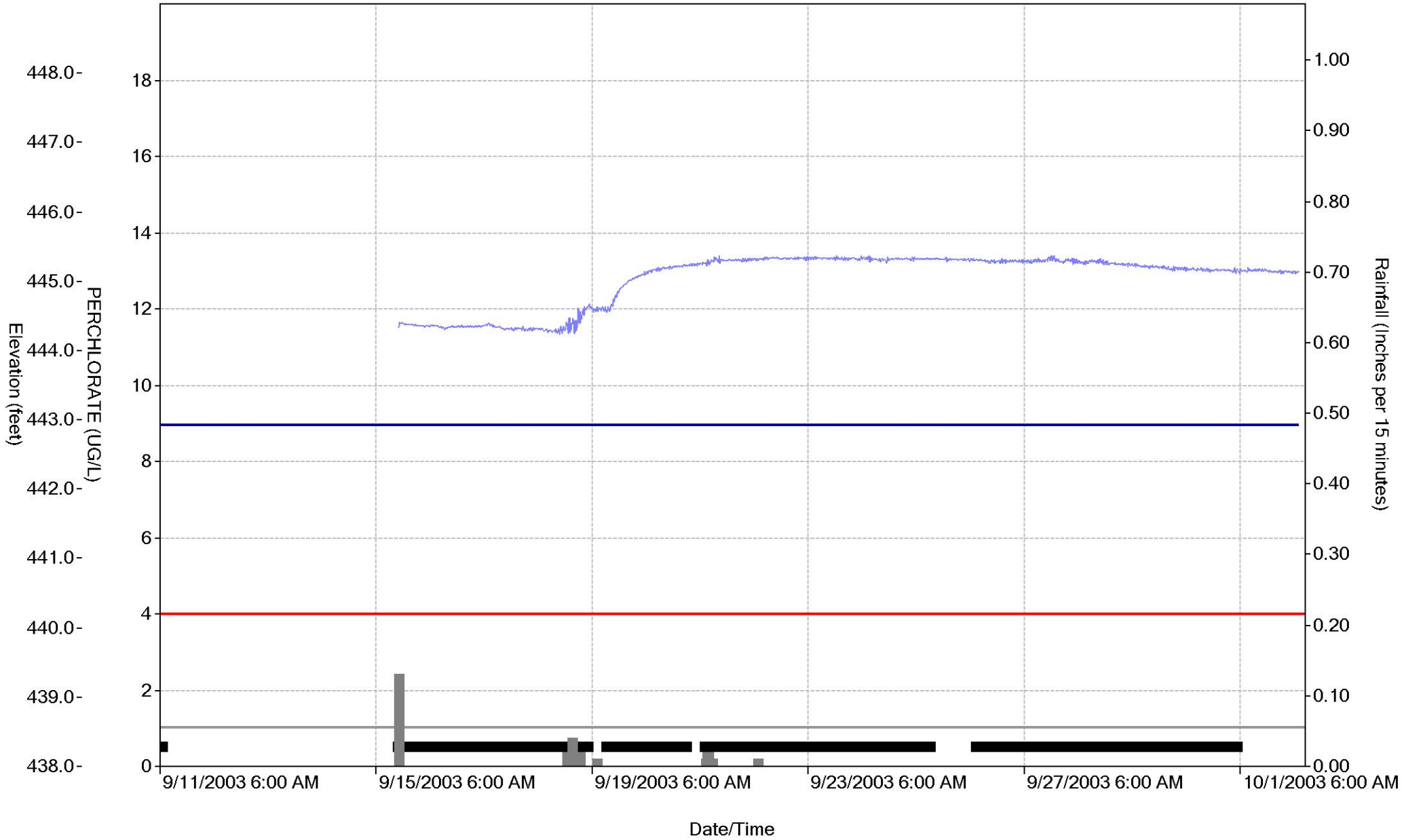
SECOND STORM SAMPLING EVENT SBR5 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
SBR5	SBR5-SW-09-26-1211	09/26/2003	1211	<1	µg/l	>24 Hours
SBR5 Dup	SW1282	09/26/2003	1211	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-26-1611	09/26/2003	1611	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-26-2011	09/26/2003	2011	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-0012	09/27/2003	0012	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-0412	09/27/2003	0412	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-0812	09/27/2003	0812	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-1212	09/27/2003	1212	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-1611	09/27/2003	1611	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-27-2012	09/27/2003	2012	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-28-0012	09/28/2003	0012	<1	µg/l	>24 Hours
SBR5	SBR5-SW-09-28-0411	09/28/2003	0411	<1	µg/l	>24 Hours
SBR5 Dup	SW1283	09/28/2003	0411	<1	µg/l	>24 Hours
SBR5	Not Sampled	09/28/2003	0811	--	--	Equipment Error
SBR5	Not Sampled	09/28/2003	1211	--	--	Equipment Error
SBR5	Not Sampled	09/28/2003	1612	--	--	Equipment Error
SBR5	Not Sampled	09/28/2003	2011	--	--	Equipment Error
SBR5	Not Sampled	09/29/2003	0011	--	--	Equipment Error
SBR5	Not Sampled	09/29/2003	0411	--	--	Equipment Error
SBR5	Not Sampled	09/29/2003	0811	--	--	Equipment Error
SBR5	Not Sampled	09/29/2003	1211	--	--	Dry
SBR5	Not Sampled	09/29/2003	1611	--	--	Dry
SBR5	Not Sampled	09/29/2003	2011	--	--	Dry
SBR5	Not Sampled	09/30/2003	0011	--	--	Dry
SBR5	Not Sampled	09/30/2003	0411	--	--	Dry
SBR5	Not Sampled	09/30/2003	0811	--	--	Dry
SBR5	Not Sampled	09/30/2003	1211	--	--	Dry
SBR5	Not Sampled	09/30/2003	1611	--	--	Dry
SBR5	Not Sampled	09/30/2003	2011	--	--	Dry
SBR5	Not Sampled	10/01/2003	0011	--	--	Dry
SBR5	Not Sampled	10/01/2003	0411	--	--	Dry
SBR5	Not Sampled	10/01/2003	0811	--	--	Dry

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

2003/12/31 13:55

Middle Bosque River downstream of intersection of South Bosque (MBR1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (MBR1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall	Min: 0.00	Max: 0.13	Avg: < 0.0005
Corrected Surface Elevation	Min: 444.22	Max: 445.36	Avg: 445.032
Bottom of Stream at Bubbler	Min: 442.91	Max: 442.91	Avg: 442.910

SECOND STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-09-11-0730	09/11/2003	0730	<1	µg/l	
MBR1	MBR1-SW-09-15-1603	09/15/2003	1603	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-15-2002	09/15/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-16-0002	09/16/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-16-0402	09/16/2003	0402	<1	µg/l	>24 Hours
MBR1 Dup	SW1214	09/16/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-16-0802	09/16/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-16-1202	09/16/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-16-1602	09/16/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-16-2002	09/16/2003	2002	<1	µg/l	
MBR1	MBR1-SW-09-17-0002	09/17/2003	0002	<1	µg/l	
MBR1	MBR1-SW-09-17-0402	09/17/2003	0402	<1	µg/l	
MBR1	MBR1-SW-09-17-0802	09/17/2003	0802	<1	µg/l	
MBR1	MBR1-SW-09-17-1202	09/17/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-17-1602	09/17/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-17-2002	09/17/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-18-0002	09/18/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-18-0402	09/18/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-18-0802	09/18/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-18-1202	09/18/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-18-1602	09/18/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-18-2002	09/18/2003	2002	<1	µg/l	
MBR1	MBR1-SW-09-19-0002	09/19/2003	0002	<1	µg/l	
MBR1	MBR1-SW-09-19-0402	09/19/2003	0402	<1	µg/l	
MBR1 Dup	SW1215	09/19/2003	0402	<1	µg/l	
MBR1	Not Sampled	09/19/2003	0802	--	--	Equipment Error
MBR1	MBR1-SW-09-19-1202	09/19/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-19-1602	09/19/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-19-2002	09/19/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-0002	09/20/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-0402	09/20/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-0802	09/20/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-1202	09/20/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-1602	09/20/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-20-2002	09/20/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-21-0002	09/21/2003	0002	<1	µg/l	>24 Hours
MBR1 Dup	SW1230	09/21/2003	0002	<1	µg/l	>24 Hours
MBR1	Not Sampled	09/21/2003	0402	--	--	Equipment Error
MBR1	MBR1-SW-09-21-0802	09/21/2003	0802	<1	µg/l	
MBR1	MBR1-SW-09-21-1202	09/21/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-21-1602	09/21/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-21-2002	09/21/2003	2002	<1	µg/l	
MBR1	MBR1-SW-09-22-0002	09/22/2003	0002	<1	µg/l	
MBR1	MBR1-SW-09-22-0402	09/22/2003	0402	<1	µg/l	

SECOND STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 3)

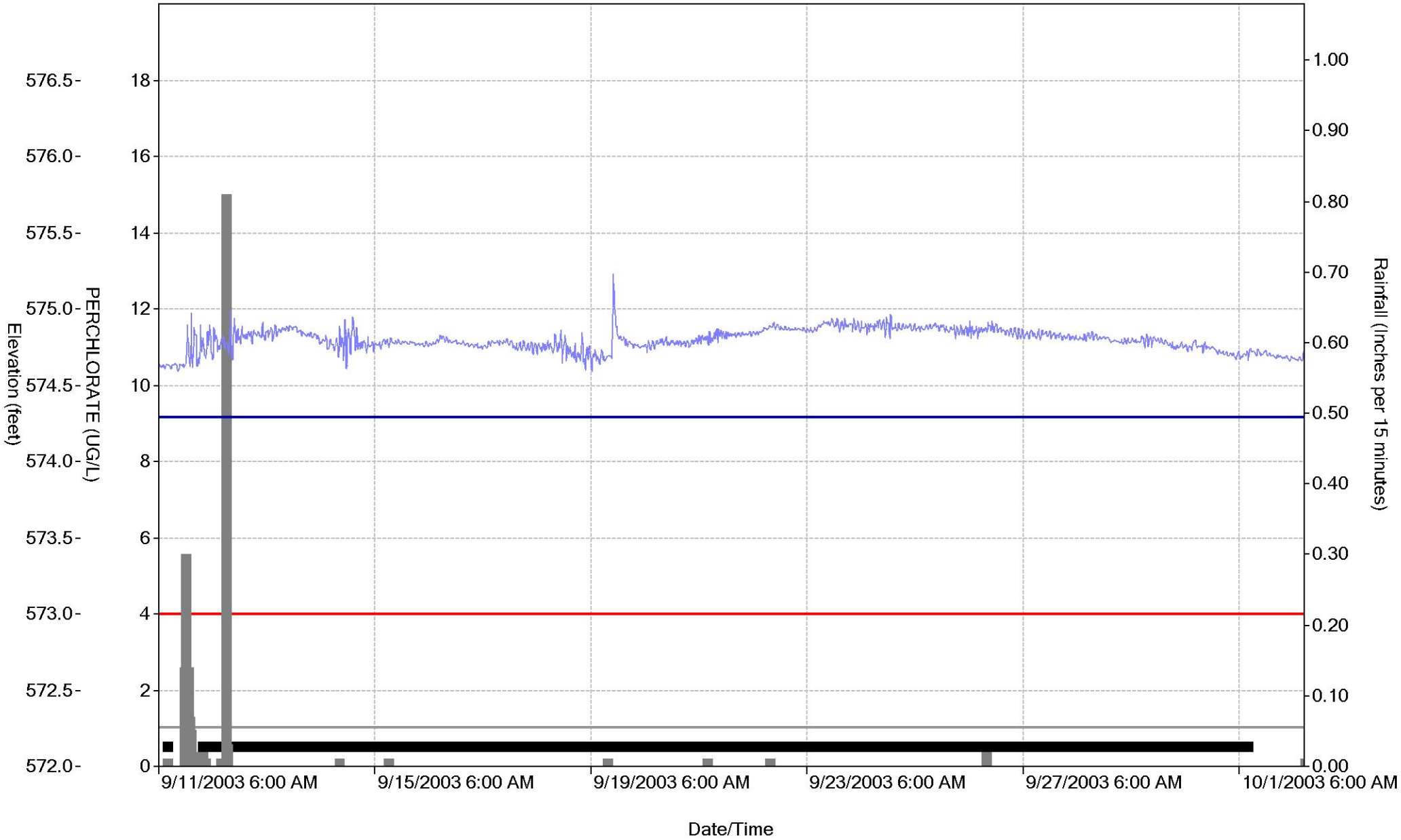
Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-09-22-0802	09/22/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-22-1202	09/22/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-22-1602	09/22/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-22-2002	09/22/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-23-0002	09/23/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-23-0402	09/23/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-23-0802	09/23/2003	0802	<1	µg/l	
MBR1	MBR1-SW-09-23-1202	09/23/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-23-1602	09/23/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-23-2002	09/23/2003	2002	<1	µg/l	
MBR1 Dup	SW1255	09/23/2003	2002	<1	µg/l	
MBR1	MBR1-SW-09-24-0002	09/24/2003	0002	<1	µg/l	
MBR1	MBR1-SW-09-24-0402	09/24/2003	0402	<1	µg/l	
MBR1	MBR1-SW-09-24-0802	09/24/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-24-1202	09/24/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-24-1602	09/24/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-24-2002	09/24/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-25-0002	09/25/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-25-0402	09/25/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-25-0802	09/25/2003	0802	<1	µg/l	
MBR1	MBR1-SW-09-25-1202	09/25/2003	1202	<1	µg/l	
MBR1	Not Sampled	09/25/2003	1602	--	--	Equipment Error
MBR1	Not Sampled	09/25/2003	2002	--	--	Equipment Error
MBR1	Not Sampled	09/26/2003	0002	--	--	Equipment Error
MBR1	Not Sampled	09/26/2003	0402	--	--	Equipment Error
MBR1	MBR1-SW-09-26-0802	09/26/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-26-1202	09/26/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-26-1602	09/26/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-26-2002	09/26/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-0002	09/27/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-0402	09/27/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-0802	09/27/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-1202	09/27/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-1602	09/27/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-27-2002	09/27/2003	2002	<1	µg/l	>24 Hours
MBR1 Dup	SW1281	09/27/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-28-0002	09/28/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-28-0402	09/28/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-28-0802	09/28/2003	0802	<1	µg/l	
MBR1	SBR4-SW-09-28-1202	09/28/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-28-1602	09/28/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-28-2002	09/28/2003	2002	<1	µg/l	
MBR1	MBR1-SW-09-29-0002	09/29/2003	0002	<1	µg/l	
MBR1	MBR1-SW-09-29-0402	09/29/2003	0402	<1	µg/l	

SECOND STORM SAMPLING EVENT MBR1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 3)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
MBR1	MBR1-SW-09-29-0802	09/29/2003	0802	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-29-1202	09/29/2003	1202	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-29-1602	09/29/2003	1602	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-29-2002	09/29/2003	2002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-30-0002	09/30/2003	0002	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-30-0402	09/30/2003	0402	<1	µg/l	>24 Hours
MBR1	MBR1-SW-09-30-0802	09/30/2003	0802	<1	µg/l	
MBR1	MBR1-SW-09-30-1202	09/30/2003	1202	<1	µg/l	
MBR1	MBR1-SW-09-30-1602	09/30/2003	1602	<1	µg/l	
MBR1	MBR1-SW-09-30-2002	09/30/2003	2002	<1	µg/l	
MBR1 Dup	SW1302	09/30/2003	2002	<1	µg/l	
MBR1	MBR1-SW-10-01-0002	10/01/2003	0002	<1	µg/l	
MBR1	MBR1-SW-10-01-0402	10/01/2003	0402	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

Cowhouse Creek at Tank Destroyer Road (CHC1)
Storm Sampling Perchlorate Data vs Time (September 11, 2003 to October 2, 2003)



Legend:	Stats:		
REPORTING LIMIT	Min: 4	Max: 4	Avg: 4.0
METHOD DETECTION LIMIT	Min: 1	Max: 1	Avg: 1.0
PERCHLORATE DATA (CHC1)	Min: 0.5	Max: 0.5	Avg: 0.50
Rainfall (LR-1 data used from 11/05/02 to 03/24/03 due to equipment error)	Min: 0.00	Max: 0.81	Avg: 0.001
Corrected Surface Elevation	Min: 574.59	Max: 575.23	Avg: 574.792
Bottom of Stream at Bubbler	Min: 574.29	Max: 574.29	Avg: 574.290

SECOND STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 4)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-09-11-1015	09/11/2003	1015	<1	µg/l	
CHC1	Not Sampled	09/11/2003	1745	--	--	Equipment Error
CHC1	Not Sampled	09/11/2003	2145	--	--	Equipment Error
CHC1	CHC1-SW-09-12-0145	09/12/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-12-0545	09/12/2003	0545	<1	µg/l	>24 Hours
CHC1 Dup	SW1201	09/12/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-12-0945	09/12/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-12-1345	09/12/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-12-1745	09/12/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-12-2145	09/12/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-0145	09/13/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-0545	09/13/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-0945	09/13/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-1345	09/13/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-1745	09/13/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-13-2145	09/13/2003	2145	<1	µg/l	>24 Hours
CHC1 Dup	SW1202	09/14/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-14-0145	09/14/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-14-0545	09/14/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-14-0945	09/14/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-14-1345	09/14/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-14-1745	09/14/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-14-2145	09/14/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-15-0145	09/15/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-15-0545	09/15/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-15-0945	09/15/2003	0945	<1	µg/l	
CHC1 Dup	SW1203	09/15/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-15-1345	09/15/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-15-1745	09/15/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-15-2145	09/15/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-16-0145	09/16/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-16-0545	09/16/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-16-0945	09/16/2003	0945	<1	µg/l	>24 Hours
CHC1 Dup	SW1211	09/16/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-16-1345	09/16/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-16-1745	09/16/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-16-2145	09/16/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-17-0145	09/17/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-17-0545	09/17/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-17-0945	09/17/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-17-1345	09/17/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-17-1745	09/17/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-17-2145	09/17/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-18-0145	09/18/2003	0145	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-09-18-0545	09/18/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-18-0945	09/18/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-18-1345	09/18/2003	1345	<1	µg/l	
CHC1 Dup	SW1222	09/18/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-18-1745	09/18/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-18-2145	09/18/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-19-0145	09/19/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-19-0545	09/19/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-19-0945	09/19/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-19-1345	09/19/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-19-1745	09/19/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-19-2145	09/19/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-0145	09/20/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-0545	09/20/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-0945	09/20/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-1345	09/20/2003	1345	<1	µg/l	>24 Hours
CHC1 Dup	SW1242	09/20/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-1745	09/20/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-20-2145	09/20/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-21-0145	09/21/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-21-0545	09/21/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-21-0945	09/21/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-21-1345	09/21/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-21-1745	09/21/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-21-2145	09/21/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-22-0145	09/22/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-22-0545	09/22/2003	0545	<1	µg/l	
CHC1 Dup	SW1243	09/22/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-22-0945	09/22/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-22-1345	09/22/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-22-1745	09/22/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-22-2145	09/22/2003	2145	<1	µg/l	>24 Hours
CHC1 Dup	SW1264	09/22/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-23-0145	09/23/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-23-0545	09/23/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-23-0945	09/23/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-23-1345	09/23/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-23-1745	09/23/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-23-2145	09/23/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-24-0145	09/24/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-24-0545	09/24/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-24-0945	09/24/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-24-1345	09/24/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-24-1745	09/24/2003	1745	<1	µg/l	>24 Hours

SECOND STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
CHC1	CHC1-SW-09-24-2145	09/24/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-25-0145	09/25/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-25-0545	09/25/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-25-0945	09/25/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-25-1345	09/25/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-25-1745	09/25/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-25-2145	09/25/2003	2145	<1	µg/l	
CHC1 Dup	SW1280	09/25/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-26-0145	09/26/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-26-0545	09/26/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-26-0945	09/26/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-26-1345	09/26/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-26-1745	09/26/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-26-2145	09/26/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-0145	09/27/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-0545	09/27/2003	0545	<1	µg/l	>24 Hours
CHC1 Dup	SW1295	09/27/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-0945	09/27/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-1345	09/27/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-1745	09/27/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-27-2145	09/27/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-28-0145	09/28/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-28-0545	09/28/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-28-0945	09/28/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-28-1345	09/28/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-28-1745	09/28/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-28-2145	09/28/2003	2145	<1	µg/l	
CHC1	CHC1-SW-09-29-0145	09/29/2003	0145	<1	µg/l	
CHC1	CHC1-SW-09-29-0545	09/29/2003	0545	<1	µg/l	
CHC1	CHC1-SW-09-29-0945	09/29/2003	0945	<1	µg/l	
CHC1 Dup	SW1296	09/29/2003	0945	<1	µg/l	
CHC1	CHC1-SW-09-29-1345	09/29/2003	1345	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-29-1745	09/29/2003	1745	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-29-2145	09/29/2003	2145	<1	µg/l	>24 Hours
CHC1 Dup	SW1309	09/29/2003	2145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-30-0145	09/30/2003	0145	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-30-0545	09/30/2003	0545	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-30-0945	09/30/2003	0945	<1	µg/l	>24 Hours
CHC1	CHC1-SW-09-30-1345	09/30/2003	1345	<1	µg/l	
CHC1	CHC1-SW-09-30-1745	09/30/2003	1745	<1	µg/l	
CHC1	CHC1-SW-09-30-2145	09/30/2003	2145	<1	µg/l	
CHC1	CHC1-SW-10-01-0145	10/01/2003	0145	<1	µg/l	
CHC1	CHC1-SW-10-01-0545	10/01/2003	0545	<1	µg/l	
CHC1	CHC1-SW-10-01-0945	10/01/2003	0945	<1	µg/l	

SECOND STORM SAMPLING EVENT CHC1 WATER SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

Appendix H

DELTA AREA STUDY LOCATIONS WATER QUALITY AND TEMPERATURE DATA

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB1					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
1	25.41	3.53	306.3	7.48	0.15	42.8

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB2					
Date	06/12/03					
Time	10:30					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1					
Transperancy. Secchi Disc (Meters)	0.21					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5 to 10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.46					
1.3	25.46	3.66	765.9	7.47	0.39	42.3
2	25.44					
2.6	25.93					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB3					
Date	06/12/03					
Time	11:00					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.21					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.46					
1.1	25.47	3.30	309.4	7.46	0.15	40.8
1.5	25.48					
2.2	25.44					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB4					
Date	06/12/03					
Time	11:30					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1					
Transperancy. Secchi Disc (Meters)	0.21					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.49					
0.9	25.45	3.47	312.1	7.49	0.15	42.7
1.0	25.48					
1.7	25.44					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB5					
Date	06/12/03					
Time	12:00					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5 to 10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.43					
0.5	25.44	3.58	316	7.51	0.15	43.8
0.9	25.42					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB6					
Date	06/12/03					
Time	12:30					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.24					
0.9	25.43	3.43	804.0	7.48	0.42	43.3
1.7	25.42					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB7					
Date	06/12/03					
Time	1:00					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.52					
1.5	25.41	3.51	314.7	7.48	0.15	43.1
2.9	25.39					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB8					
Date	06/12/03					
Time	1:30					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent						
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.29					
0.5	26.32	3.58	315.8	7.5	0.15	44.7
1	25.86					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB9					
Date	06/12/03					
Time	1:40					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.44					
0.6	25.85	3.20	317.5	7.47	0.16	39.6
1.1	25.50					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB10					
Date	06/12/03					
Time	1:50					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent						
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.64					
1	25.43	3.27	316	7.42	0.15	40.3
2	25.38					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB11					
Date	06/12/03					
Time	2:00					
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	5%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	25.73					
1	25.45	3.45	313	7.47	0.15	42.4
2.1	25.46					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB12					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.42					
0.4	26.23	3.78	322.1	7.5	0.16	45.2
0.7	26.05					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB13					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain						
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong						
Transperancy. Secchi Disc (Meters)						
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent						
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.38					
0.7	26.05	3.51	314.2	7.49	0.15	43.2
1.5	25.45					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB14					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.09					
0.3	26.17	3.14	340.6	7.47	0.17	39.2
0.6	25.51					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB15					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	27					
0.3	27.04	5.05	355.6	7.76	0.17	63.8
0.7	26.99					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB16					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.37					
1	26.26	3.92	332.5	7.57	0.16	47.5
2.1	25.39					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB17					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.23					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.62					
0.9	25.68	3.78	328.7	7.53	0.16	48
1.8	25.43					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB18					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.21					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10-01					
Air Temperature (C)	10					
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	27.38					
0.5	27.38	5.63	358	7.83	0.18	71.2
1	27.35					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB19					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	40%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	27.35					
0.3	27.35	5.47	359.4	7.84	0.18	70.7
0.5	27.25					

LAKE BELTON DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LB20					
Date	06/12/03					
Time						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson					
Lake:	Lake Belton					
Hydrolab SN#						
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2					
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3					
Transperancy. Secchi Disc (Meters)	0.22					
Color, Borger System						
Aquatic Vegetation @ Collection Site Percent	10%					
Air Temperature (C)						
Wind						
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	26.99					
1.1	26.36	4.30	339.9	7.60	0.17	53.7
2.3	25.40					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW1
Date	06/26/03
Time	8:54 A.M.
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.79					
0.5	28.78					
1	28.48					
1.5	27.84					
1.8	27.71	4.98	362	7.28	0.233	81
2	27.56					
2.5	27.42					
3	27.31					
3.5	26.65					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW2
Date	06/26/03
Time	9:12 AM
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.72					
0.5	28.71					
0.8	28.67	7.17	374	7.5	0.239	90.7
1	28.50					
1.5	28.16					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW3
Date	06/26/03
Time	9:04 AM
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.64					
0.5	28.63					
1	28.42					
1.5	27.83					
2	27.59					
2.2	27.55	4.59	363	7.29	0.233	56.5
2.5	27.39					
3	27.09					
3.5	26.44					
4	25.67					
4.3	25.38					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW4
Date	06/26/03
Time	9:24
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.68					
0.5	28.67					
1	28.59					
1.4	28.39	7.42	369	7.44	0.237	85.0
1.5	28.03					
2	27.81					
2.5	27.69					
2.7	27.63					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW5						
Date	06/26/03						
Time	9:28						
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson						
Lake:	Lake Waco						
Hydrolab SN#							
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain							
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong							
Transperancy. Secchi Disc (Meters)							
Color, Borger System							
Aquatic Vegetation @ Collection Site Percent							
Air Temperature (C)							
Wind							
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**	
0.3	28.70						
0.5	28.69						
1	28.55						
1.5	28.40						
1.8	27.86	4.51	364	7.33	0.234	687	.5
2	27.71						
2.5	27.31						
3	26.80						
3.5	26.06						
3.6	25.97						

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW6
Date	06/26/03
Time	9:35
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	1
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.69					
0.5	28.67					
1	28.41					
1.5	27.94					
2	27.68	3.92	363	7.30	0.232	52.6
2.5	27.48					
3	27.18					
3.5	26.27					
4	25.5					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW7
Date	06/26/03
Time	9:44
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.61					
0.5	28.60					
1	28.37					
1.5	28.17	6.66	371	7.39	0.237	94.4
2	27.77					
2.5	27.44					
3	26.91					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW8
Date	06/26/03
Time	9:51
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.3	28.74					
0.5	28.73					
1	28.43					
1.5	28.25	7.82	370	7.40	0.238	102.6
2	27.67					
2.5	27.45					
3	27.28					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW9
Date	06/26/03
Time	10:01
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.56	8.86	373	7.53	0.239	115.2
0.8	28.49					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW10
Date	06/26/03
Time	10:06
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.70	9.05	373	7.59	0.238	115.0
0.9	28.49					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW11
Date	06/26/03
Time	10:11
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.88	8.88	371	7.65	0.238	116.1
0.9	28.71					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW12
Date	06/26/03
Time	10:20
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.5	28.63	8.90	365	7.64	0.234	110.7
1.1	28.35					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW13
Date	06/26/03
Time	10:23
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.5	28.76					
1	28.44					
1.5	28.11					
2.1	27.67	3.90	364	7.33	0.231	52.3
2.5	27.52					
3	27.42					
3.5	27.29					
4.2	27.23					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW14
Date	06/26/03
Time	10:30
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	1
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.5	28.63					
0.8	28.60	8.46	368	7.55	0.236	111.5
1.0	28.41					
1.5	28.37					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW15
Date	06/26/03
Time	10:39
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.56	9.07	370	7.59	0.236	113.0
0.8	28.44					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW16
Date	06/26/03
Time	10:57
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.5	28.51	8.86	368	7.71	0.235	117.2
1	28.36					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW17
Date	06/26/03
Time	11:01
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.96	7.02	368	7.65	0.236	95.5
0.8	28.91					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW18
Date	06/26/03
Time	10:44
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.68	9.20	367	7.66	0.235	113.3
0.7	28.50					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW19
Date	06/26/03
Time	10:49
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.4	28.56	9.29	368	7.66	0.235	117.0
0.8	28.51					

LAKE WACO DELTA AREA STUDY LOCATIONS
WATER QUALITY AND TEMPERATURE DATA

Site ID	LW20
Date	06/26/03
Time	11:05
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Waco
Hydrolab SN#	
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	0.8
Color, Borger System	32
Aquatic Vegetation @ Collection Site Percent	10
Air Temperature (C)	
Wind	

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**Conductivity**	**pH (s.u.)**	**Salinity (ppt)**	**DO% Sat**
0.5	29.04	9.02	361	7.80	0.231	126.8
1	28.38					

Appendix I

DELTA AREA STUDY SURFACE WATER SAMPLE DATA SUMMARY

LAKE BELTON DELTA AREA STUDY SURFACE WATER SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LB1-SW-1	LB1-SW-1	06/12/2003	1000	<1	µg/l	
LB1-SW-1 Dup	SW-3000	06/12/2003	1000	<1	µg/l	
LB2-SW-1.3	LB2-SW-1.3	06/12/2003	1030	<1	µg/l	
LB3-SW-1.1	LB3-SW-1.1	06/12/2003	1100	<1	µg/l	
LB4-SW-0.9	LB4-SW-0.9	06/12/2003	1130	<1	µg/l	
LB5-SW-0.5	LB5-SW-0.5	06/12/2003	1130	<1	µg/l	
LB5-SW-0.5	LB5-SW-0.5	06/12/2003	1130	<1	µg/l	
LB6-SW-0.5	LB6-SW-0.5	06/12/2003	1230	<1	µg/l	
LB7-SW-1.5	LB7-SW-1.5	06/12/2003	1300	<1	µg/l	
LB8-SW-0.8	LB8-SW-0.8	06/12/2003	1330	<1	µg/l	
LB9-SW-0.6	LB9-SW-0.6	06/12/2003	1340	<1	µg/l	
LB10-SW-1	LB10-SW-1	06/12/2003	1350	<1	µg/l	
LB11-SW-1	LB11-SW-1	06/12/2003	1400	<1	µg/l	
LB11-SW-1	LB11-SW-1	06/12/2003	1400	<1	µg/l	
LB11-SW-1 Dup	SW-3001	06/12/2003	1400	<1	µg/l	
LB12-SW-0.4	LB12-SW-0.4	06/12/2003	1415	<1	µg/l	
LB13-SW-0.7	LB13-SW-0.7	06/12/2003	1430	<1	µg/l	
LB14-SW-0.3	LB14-SW-0.3	06/12/2003	1445	<1	µg/l	
LB15-SW-0.3	LB15-SW-0.3	06/12/2003	1530	<1	µg/l	
LB16-SW-1	LB16-SW-1	06/12/2003	1455	<1	µg/l	
LB17-SW-0.9	LB17-SW-0.9	06/12/2003	1500	<1	µg/l	
LB18-SW-0.5	LB18-SW-0.5	06/12/2003	1520	<1	µg/l	
LB19-SW-0.3	LB19-SW-0.3	06/12/2003	1510	<1	µg/l	
LB20-SW-1.1	LB20-SW-1.1	06/12/2003	1505	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

LAKE BELTON DELTA AREA STUDY EQUIPMENT BLANK SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
Equipment Blank	LB3-SW-1.1-EB	06/12/2003	1115	<1	µg/l	
Equipment Blank	LB14-SW-0.3-EB	06/12/2003	1115	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.

LAKE BELTON DELTA AREA STUDY INVESTIGATIVE DERIVED WASTE SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
IDW	DAFP-IDW-BL	06/12/2003	1610	<1 UJ	µg/l	Water IDW Sample
IDW	DAFP-IDW-BL-1	06/20/2003	0000	<1 UJ	µg/l	Water IDW Sample
IDW	DAFP-IDW-BL-2	06/20/2003	0000	<1 UJ	µg/l	Water IDW Sample

Non-detect sample data are reported to the method detection limit.

µg/l micrograms per liter.

IDW Investigative derived waste

UJ Potential low bias, possible false negative.

LAKE WACO DELTA AREA STUDY SURFACE WATER SAMPLE DATA SUMMARY
LAKE WACO, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LW01-SW-6	LW1-SW-6	06/26/2003	0854	<1	µg/l	
LW01-SW-6 Dup	SW-3003	06/26/2003	0854	<1	µg/l	
LW02-SW-2.5	LW2-SW-2.5	06/26/2003	0917	<1	µg/l	
LW03-SW-7.3	LW3-SW-7.3	06/26/2003	0910	<1	µg/l	
LW04-SW-4.6	LW4-SW-4.6	06/26/2003	0925	<1	µg/l	
LW05-SW-6	LW5-SW-6	06/26/2003	0932	<1	µg/l	
LW05-SW-6	LW5-SW-6	06/26/2003	0932	<1	µg/l	
LW06-SW-6.6	LW6-SW-6.6	06/26/2003	0940	<1	µg/l	
LW07-SW-5	LW7-SW-5	06/26/2003	0948	<1	µg/l	
LW08-SW-5	LW8-SW-5	06/26/2003	0954	<1	µg/l	
LW09-SW-1.3	LW9-SW-1.3	06/26/2003	1002	<1	µg/l	
LW10-SW-1.3	LW10-SW-1.3	06/26/2003	1008	<1	µg/l	
LW10-SW-1.3 Dup	SW-3004	06/26/2003	1008	<1	µg/l	
LW11-SW-1.3	LW11-SW-1.3	06/26/2003	1013	<1	µg/l	
LW12-SW-1.7	LW12-SW-1.7	06/26/2003	1023	<1	µg/l	
LW13-SW-6.9	LW13-SW-6.9	06/26/2003	1027	<1	µg/l	
LW13-SW-6.9	LW13-SW-6.9	06/26/2003	1027	<1	µg/l	
LW14-SW-2.6	LW14-SW-2.6	06/26/2003	1033	<1	µg/l	
LW15-SW-1.3	LW15-SW-1.3	06/26/2003	1040	<1	µg/l	
LW16-SW-1.6	LW16-SW-1.6	06/26/2003	1101	<1	µg/l	
LW17-SW-1.3	LW17-SW-1.3-	06/26/2003	1102	<1	µg/l	
LW18-SW-1.3	LW18-SW-1.3	06/26/2003	1048	<1	µg/l	
LW19-SW-1.3	LW19-SW-1.3	06/26/2003	1051	<1	µg/l	
LW20-SW-1.7	LW20-SW-1.7	06/26/2003	1108	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

LAKE WACO DELTA AREA STUDY EQUIPMENT BLANK SAMPLE DATA SUMMARY
LAKE WACO, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
Equipment Blank	LW3-SW-7.3-EB	06/26/2003	0910	<1	µg/l	
Equipment Blank	LW14-SW-2.6-EB	06/26/2003	1033	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.

LAKE WACO

LAKE WACO DELTA AREA STUDY INVESTIGATIVE DERIVED WASTE SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
IDW	DAFP-IDW-LW1	06/26/2003	1110	<1 UJ	µg/l	Water IDW Sample

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
IDW Investigative derived waste
UJ Potential low bias, possible false negative.

Appendix J

WATER INTAKE SAMPLE DATA SUMMARY

Potable Water

DRINKING WATER INTAKE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
BB		03/16/2001		<1	µg/l	
BB	BB-SW-01-29-0830	01/29/2003	0830	<1	µg/l	
BB	BB-SW-03-17-1020	03/17/2003	1020	<1	µg/l	
BB	BB-SW-04-28-1137	04/28/2003	1137	<1	µg/l	
BB	BB-SW-05-30-0928	05/30/2003	0928	<1	µg/l	
BB	BB-SW-06-20-1005	06/20/2003	1005	<1	µg/l	
BB Dup	SW1179	06/20/2003	1005	<1	µg/l	Water Treatment Plant Down
BB	Not Sampled	07/28/2003	0700	--	--	
BB	BB-SW-09-04-1015	09/04/2003	1015	<1	µg/l	
BB	BB-SW-09-30-0900	09/30/2003	0900	<1	µg/l	Water Treatment Plant Down
BB	Not Sampled	10/31/2003	0700	--	--	
BB	BB-SW-12-15-1018	12/15/2003	1018	<1	µg/l	
BC	BC-SW-01-29-0910	01/29/2003	0910	<1	µg/l	
BC	BC-SW-03-17-0940	03/17/2003	0940	<1	µg/l	
BC Dup	SW-1051	03/17/2003	0940	<1	µg/l	
BC	BC-SW-04-28-1100	04/28/2003	1100	<1	µg/l	
BC	BC-SW-05-30-0844	05/30/2003	0844	<1	µg/l	
BC	BC-SW-06-20-0920	06/20/2003	0920	<1	µg/l	
BC	BC-SW-07-28-0910	07/28/2003	0910	<1	µg/l	
BC	BC-SW-09-04-0934	09/04/2003	0934	<1	µg/l	
BC	BC-SW-09-30-0827	09/30/2003	0827	<1	µg/l	
BC	BC-SW-10-31-0832	10/31/2003	0832	<1	µg/l	
BC	BC-SW-12-15-0925	12/15/2003	0925	<1	µg/l	
GV		03/16/2001		<1	µg/l	
GV	GV-SW-01-29-1106	01/29/2003	1106	<1	µg/l	
GV	GV-SW-03-17-1055	03/17/2003	1055	<1	µg/l	
GV	GV-SW-04-28-1215	04/28/2003	1215	<1	µg/l	
GV	GV-SW-05-30-1000	05/30/2003	1000	<1	µg/l	
GV Dup	SW1174	05/30/2003	1000	<1	µg/l	
GV	GV-SW-06-20-1030	06/20/2003	1030	<1	µg/l	
GV	GV-SW-07-28-1000	07/28/2003	1000	<1	µg/l	
GV	GV-SW-09-04-1055	09/04/2003	1055	<1	µg/l	
GV	GV-SW-09-30-0930	09/30/2003	0930	<1	µg/l	
GV	GV-SW-10-31-0920	10/31/2003	0920	<1	µg/l	
GV	GV-SW-12-15-1105	12/15/2003	1105	<1	µg/l	
TP	TP-SW-01-30-1000	01/30/2003	1000	<1	µg/l	
TP	TP-SW-03-17-0910	03/17/2003	0910	<1	µg/l	
TP	TP-SW-04-28-1014	04/28/2003	1014	<1	µg/l	
TP	TP-SW-05-30-0815	05/30/2003	0815	<1	µg/l	
TP	TP-SW-06-20-0840	06/20/2003	0840	<1	µg/l	
TP	TP-SW-07-28-0825	07/28/2003	0825	<1	µg/l	
TP	TP-SW-09-04-0906	09/04/2003	0906	<1	µg/l	
TP	TP-SW-09-30-0800	09/30/2003	0800	<1	µg/l	
TP	TP-SW-10-31-0800	10/31/2003	0800	<1	µg/l	
TP	TP-SW-12-15-0845	12/15/2003	0845	<1	µg/l	

Potable Water

DRINKING WATER INTAKE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
WA		03/16/2001		<1	µg/l	
WA	35500-14	12/20/2000		<2*	µg/l	
WA	02201-41	01/26/2001		<2*	µg/l	
WA	10801-40	04/25/2001		<2*	µg/l	
WA	22601-65	08/23/2001		<2*	µg/l	
WA	15002-14	05/31/2002		<2*	µg/l	
WA	15002-14	05/31/2002		<2*	µg/l	
WA	17002-9	06/20/2002		<2*	µg/l	
WA	17002-9	06/20/2002		<2*	µg/l	
WA	23402-9	08/23/2002		<2*	µg/l	
WA	23402-9	08/23/2002		<2*	µg/l	
WA	26602-19	09/23/2002		<2*	µg/l	
WA	30302-11	10/30/2002		<2*	µg/l	
WA	32302-7	11/19/2002		<2*	µg/l	
WA	02203-6	01/22/2003		<2*	µg/l	
WA	04803-17	02/17/2003		<2*	µg/l	
WA	08403-5	03/25/2003		<2*	µg/l	
WA	11403-10	04/24/2003		<2*	µg/l	
WA	11403-11	04/24/2003		<2*	µg/l	
WA	13303-12	05/13/2003		<2*	µg/l	
WA	13303-13	05/13/2003		<2*	µg/l	
WA	16803-21	06/17/2003		<2*	µg/l	
WA	16803-22	06/17/2003		<2*	µg/l	
WA	20303-10	07/22/2003		<2*	µg/l	
WA	20303-9	07/22/2003		<2*	µg/l	
WA	23303-5	08/21/2003		<2*	µg/l	
WA	23303-6	08/21/2003		<2*	µg/l	
WA	25303-5	09/10/2003		<2*	µg/l	
WA	25303-6	09/10/2003		<2*	µg/l	
WA	COW126-004	10/07/2003		<2*	µg/l	
WA	COW129-003	10/07/2003		<2*	µg/l	
WA	COW129-012	10/07/2003		<2*	µg/l	
WA	COW226-004	11/04/2003		<2*	µg/l	
WA	COW226-024	11/04/2003		<2*	µg/l	

Non-detect sample data are reported to the method detection limit.
* These samples were collected by the City of Waco and the method detection limit for their laboratory was 2 µg/l

µg/l micrograms per liter.
-- Not applicable.
Dup Duplicate.

IRRIGATION WATER INTAKE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
HR	HR-SW-11-26-1110	11/26/2002	1110	<1	µg/l	
HR Dup	SW1033	11/26/2002	1110	<1	µg/l	
HR	HR-SW-12-18-1000	12/19/2002	1000	<1	µg/l	
HR	HR-SW-01-29-1330	01/29/2003	1330	<1	µg/l	
HR	HR-SW-03-17-1240	03/17/2003	1240	<1	µg/l	
HR	HR-SW-04-28-1343	04/28/2003	1343	<1	µg/l	
HR Dup	SW1058	04/28/2003	1343	<1	µg/l	
HR	HR-SW-06-20-1238	06/20/2003	1238	<1	µg/l	
HR	HR-SW-07-28-1235	07/28/2003	1235	<1	µg/l	
HR	HR-SW-09-04-1340	09/04/2003	1340	<1	µg/l	
HR Dup	SW1189	09/04/2003	1340	<1	µg/l	
HR	HR-SW-09-30-1330	09/30/2003	1330	<1	µg/l	
HR	HR-SW-10-31-1028	10/31/2003	1028	<1	µg/l	
HR	HR-SW-12-15-1245	12/15/2003	1245	<1	µg/l	
RW	RW-SW-11-26-1050	11/26/2002	1050	<1	µg/l	
RW Dup	SW1032	11/26/2002	1050	<1	µg/l	
RW	RW-SW-12-18-1022	12/19/2002	1022	<1	µg/l	
RW	RW-SW-01-29-1335	01/29/2003	1355	<1	µg/l	
RW Dup	SW1042	01/29/2003	1355	<1	µg/l	
RW	RW-SW-03-17-1300	03/17/2003	1300	<1	µg/l	
RW	RW-SW-04-28-1410	04/28/2003	1410	<1	µg/l	
RW	RW-SW-06-20-1255	06/20/2003	1255	<1	µg/l	
RW	RW-SW-07-28-1248	07/28/2003	1248	<1	µg/l	
RW	RW-SW-09-04-1325	09/04/2003	1325	<1	µg/l	
RW	RW-SW-09-30-1350	09/30/2003	1350	<1	µg/l	
RW Dup	SW1301	09/30/2003	1350	<1	µg/l	
RW	RW-SW-10-31-1037	10/31/2003	1037	<1	µg/l	
RW Dup	SW1312	10/31/2003	1037	<1	µg/l	
RW	RW-SW-12-15-1307	12/15/2003	1307	<1	µg/l	
RW Dup	SW1410	12/15/2003		<1	µg/l	
WF	WF-SW-01-30-1030	01/30/2003	1030	<1	µg/l	
WF	WF-SW-03-17-0900	03/17/2003	0900	<1	µg/l	
WF	WF-SW-04-28-1025	04/28/2003	1025	<1	µg/l	
WF	WF-SW-05-30-0755	05/30/2003	0755	<1	µg/l	
WF	WF-SW-06-20-0855	06/20/2003	0855	<1	µg/l	
WF	WF-SW-07-28-0835	07/28/2003	0835	<1	µg/l	
WF Dup	SW1183	07/28/2003	0835	<1	µg/l	
WF	WF-SW-09-04-0845	09/04/2003	0845	<1	µg/l	
WF	WF-SW-09-30-0750	09/30/2003	0750	<1	µg/l	
WF	WF-SW-10-31-0810	10/31/2003	0810	<1	µg/l	
WF	WF-SW-12-15-0824	12/15/2003	0824	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Appendix K

LAKE BELTON ADCP SAMPLING LOCATIONS

FALL, DEEP

LAKE BELTON FALL 2003
SAMPLING LOCATIONS FOR DEEPEST POINT ACROSS EACH TRANSECT

Location	Latitude	Longitude
ADCPT1	31.11192	-97.48058
ADCPT2	31.12886	-97.51061
ADCPT3	31.14563	-97.52283
ADCPT4	31.15357	-97.55592
ADCPT5	31.17150	-97.57740
ADCPT6	31.14120	-97.50093
ADCPT7	31.14025	-97.47523
ADCPT8	31.15268	-97.50623
ADCPT19	31.16245	-97.50515
ADCPT9	31.16310	-97.49745
ADCPT10	31.16347	-97.48097
ADCPT20	31.16290	-97.46493
ADCPT11	31.18223	-97.47210
ADCPT12	31.17738	-97.50365
ADCPT13	31.20167	-97.50682
ADCPT14	31.20843	-97.51100
ADCPT15	31.20933	-97.48678
ADCPT16	31.22500	-97.47328
ADCPT17	31.24655	-97.46208
ADCPT18	31.26533	-97.48017
ADCPT22	31.27503	-97.46863
ADCPT21	31.23315	-97.45450
ADCPT23	31.20339	-97.63766

FALL, FLOW

LAKE BELTON FALL 2003
SAMPLING LOCATIONS FOR IDENTIFIED PREFERENTIAL FLOWS

Location	Latitude	Longitude
ADCPT2F1	31.13039	-97.50598
ADCPT3F1	31.14568	-97.52285
ADCPT4F1	31.15357	-97.55592
ADCPT6F1	31.14148	-97.49968
ADCPT9F1	31.16458	-97.49818
ADCPT10F1	31.16448	-97.48035
ADCPT11F1	31.17988	-97.47380
ADCPT14F1	31.20875	-97.51127
ADCPT15F1	31.20942	-97.48663

WINTER, DEEP

LAKE BELTON WINTER 2003
SAMPLING LOCATIONS FOR DEEPEST POINT ACROSS EACH TRANSECT

Location	Latitude	Longitude
ADCPT1	31.11183	-97.47983
ADCPT2	31.12783	-97.51200
ADCPT3	31.14567	-97.52250
ADCPT4	31.15467	-97.55583
ADCPT5	31.17267	-97.57633
ADCPT6	31.14183	-97.50050
ADCPT7	31.13967	-97.47483
ADCPT8	31.15250	-97.50717
ADCPT19	31.16300	-97.50583
ADCPT9	31.16258	-97.49783
ADCPT10	31.16317	-97.48017
ADCPT20	31.16283	-97.46517
ADCPT11	31.18160	-97.47217
ADCPT12	31.17633	-97.50350
ADCPT13	31.20100	-97.50600
ADCPT14	31.20850	-97.51020
ADCPT15	31.20883	-97.48700
ADCPT16	31.22433	-97.46717
ADCPT17	31.24517	-97.46233
ADCPT18	31.26533	-97.48017
ADCPT22	31.27483	-97.46867
ADCPT21	31.23283	-97.45450

WINTER, FLOW

LAKE BELTON WINTER 2003
SAMPLING LOCATIONS FOR IDENTIFIED PREFERENTIAL FLOWS

Location	Latitude	Longitude
ADCPT15F1	31.20697	-97.48340
ADCPT14F1	31.20650	-97.51250
ADCPT13F1	31.20183	-97.50817
ADCPT12F1	31.17633	-97.50083
ADCPT11F1	31.18000	-97.47267
ADCPT6F1	31.14006	-97.47494
ADCPT1F1	31.10872	-97.48119
ADCPT2F1	31.12750	-97.51308
ADCPT10F1	31.16458	-97.47961
ADCPT19F1	31.16278	-97.50550

Appendix L

LAKE BELTON ADCP SAMPLE DATA SUMMARY

September 2003

LAKE BELTON ADCP SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
ADCPT1	ADCPT1-SW-95	09/23/2003	1125	<1	µg/l	
ADCPT1	ADCPT1-SW-5	09/23/2003	1128	<1	µg/l	
ADCPT2	ADCPT2-SW-94	09/23/2003	1210	<1	µg/l	
ADCPT2	ADCPT2-SW-5	09/23/2003	1215	<1	µg/l	
ADCPT2F1	ADCPT2F1-SW-13.2	09/23/2003	1220	<1	µg/l	
ADCPT3	ADCPT3-SW-5	09/23/2003	1241	<1	µg/l	
ADCPT3	ADCPT3-SW-77.5	09/23/2003	1243	<1	µg/l	
ADCPT3F1	ADCPT3F1-SW-33	09/23/2003	1245	<1	µg/l	
ADCPT4	ADCPT4-SW-51.1	09/23/2003	1315	<1	µg/l	
ADCPT4	ADCPT4-SW-5	09/23/2003	1317	<1	µg/l	
ADCPT4 Dup	SW5000	09/23/2003	1317	<1	µg/l	
ADCPT4F1	ADCPT4F1-SW-33	09/23/2003	1318	<1	µg/l	
ADCPT5	ADCPT5-SW-23.05	09/23/2003	1340	<1	µg/l	
ADCPT5	ADCPT5-SW-5	09/23/2003	1341	<1	µg/l	
ADCPT6	ADCPT6-SW-5	09/24/2003	1025	<1	µg/l	
ADCPT6	ADCPT6-SW-84	09/24/2003	1035	<1	µg/l	
ADCPT6F1	ADCPT6F1-SW-26.5	09/24/2003	1045	<1	µg/l	
ADCPT7	ADCPT7-SW-81	09/24/2003	1055	<1	µg/l	
ADCPT7	ADCPT7-SW-5	09/24/2003	1100	<1	µg/l	
ADCPT8	ADCPT8-SW-67	09/24/2003	1115	<1	µg/l	
ADCPT8	ADCPT8-SW-5	09/24/2003	1120	<1	µg/l	
ADCPT8 Dup	SW5001	09/24/2003	1120	<1	µg/l	
ADCPT9	ADCPT9-SW-47	09/24/2003	1215	<1	µg/l	
ADCPT9F1	ADCPT9F1-SW-13	09/24/2003	1220	<1	µg/l	
ADCPT10	ADCPT10-SW-67	09/24/2003	1225	<1	µg/l	
ADCPT10	ADCPT10-SW-5	09/24/2003	1230	<1	µg/l	
ADCPT10F1	ADCPT10F1-SW-33	09/24/2003	1235	<1	µg/l	
ADCPT10F1 Dup	SW5002	09/24/2003	1235	<1	µg/l	
ADCPT11	ADCPT11-SW-47	09/24/2003	1305	<1	µg/l	
ADCPT11	ADCPT11-SW-5	09/24/2003	1310	<1	µg/l	
ADCPT12	ADCPT12-SW-5	09/24/2003	1325	<1	µg/l	
ADCPT13	ADCPT13-SW-28	09/24/2003	1345	<1	µg/l	
ADCPT13	ADCPT13-SW-5	09/24/2003	1350	<1	µg/l	
ADCPT14	ADCPT14-SW-15	09/24/2003	1405	<1	µg/l	
ADCPT14	ADCPT14-SW-5	09/24/2003	1415	<1	µg/l	
ADCPT14F1	ADCPT14F1-SW-30	09/24/2003	1315	<1	µg/l	
ADCPT14F1	ADCPT14F1-SW-13	09/24/2003	1410	<1	µg/l	
ADCPT15	ADCPT15-SW-18	09/24/2003	1425	<1	µg/l	
ADCPT15	ADCPT15-SW-5	09/24/2003	1435	<1	µg/l	
ADCPT15F1	ADCPT15F1-SW-8	09/24/2003	1430	<1	µg/l	
ADCPT15F1 Dup	SW5003	09/24/2003	1430	<1	µg/l	
ADCPT16	ADCPT16-SW-5	09/24/2003	1455	<1	µg/l	
ADCPT17	ADCPT17-SW-5	09/24/2003	1510	<1	µg/l	
ADCPT17 Dup	SW5004	09/24/2003	1510	<1	µg/l	

LAKE BELTON ADCP SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
ADCPT18	ADCPT18-SW-5	09/24/2003	1520	<1	µg/l	
ADCPT19	ADCPT19-SW-55	09/24/2003	1145	<1	µg/l	
ADCPT19	ADCPT19-SW-5	09/24/2003	1150	<1	µg/l	
ADCPT20	ADCPT20-SW-5	09/24/2003	1250	<1	µg/l	
ADCPT21	ADCPT21-SW-5	09/24/2003	1705	<1	µg/l	
ADCPT22	ADCPT22-SW-5	09/24/2003	1600	<1	µg/l	
ADCPT23	ADCPT23-SW-5	09/23/2003	1425	<1	µg/l	
Equipment Blank	ADCPT12-SW-EB	09/24/2003	1330	<1	µg/l	
Equipment Blank	ADCPT5-SW-EB	09/23/2003	1400	<1	µg/l	
Equipment Blank	ADCPT7-SW-EB	09/24/2003	1105	<1	µg/l	
Equipment Blank	ADCPT14-SW-EB	09/24/2003	1420	<1	µg/l	
Equipment Blank	ADCPT17-SW-EB	09/24/2003	1515	<1	µg/l	
IDW	ADCPFALL-SW	09/24/2003	1655	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

December 2003

LAKE BELTON ADCP SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
ADCPT1	ADCPT1-SW-1152-5	12/17/2003	1152	<1	µg/l	
ADCPT1	ADCPT1-SW-1152-103	12/17/2003	1152	<1	µg/l	
ADCPT1F1	ADCPT1F1-SW-1205-80	12/17/2003	1205	<1	µg/l	
ADCPT2	ADCPT2-SW-1245-5	12/17/2003	1245	<1	µg/l	
ADCPT2	ADCPT2-SW-1245-67	12/17/2003	1245	<1	µg/l	
ADCPT2F1	ADCPT2F1-SW-1255-40	12/17/2003	1255	<1	µg/l	
ADCPT3	ADCPT3-SW-1428-5	12/17/2003	1428	<1	µg/l	
ADCPT3	ADCPT3-SW-1428-60	12/17/2003	1428	<1	µg/l	
ADCPT4	ADCPT4-SW-1400-5	12/17/2003	1400	<1	µg/l	
ADCPT4	ADCPT4-SW-1400-42	12/17/2003	1400	<1	µg/l	
ADCPT5	ADCPT5-SW-1334-5	12/17/2003	1334	<1	µg/l	
ADCPT5	ADCPT5-SW-1334-26	12/17/2003	1334	<1	µg/l	
ADCPT6	ADCPT6-SW-1450-5	12/17/2003	1450	<1	µg/l	
ADCPT6	ADCPT6-SW-1450-86	12/17/2003	1450	<1	µg/l	
ADCPT6F1	ADCPT6F1-SW-1500-50	12/17/2003	1500	<1	µg/l	
ADCPT7	ADCPT7-SW-1514-5	12/17/2003	1514	<1	µg/l	
ADCPT7	ADCPT7-SW-1514-83	12/17/2003	1514	<1	µg/l	
ADCPT8	ADCPT8-SW-1530-5	12/17/2003	1530	<1	µg/l	
ADCPT8	SW9005	12/17/2003	1530	<1	µg/l	
ADCPT8	ADCPT8-SW-1530-62	12/17/2003	1530	<1	µg/l	
ADCPT9	ADCPT9-SW-0947-5	12/18/2003	0947	<1	µg/l	
ADCPT9	ADCPT9-SW-0947-57	12/18/2003	0947	<1	µg/l	
ADCPT10	ADCPT10-SW-0932-5	12/18/2003	0932	<1	µg/l	
ADCPT10	ADCPT10-SW-0932-49	12/18/2003	0932	<1	µg/l	
ADCPT10F1	ADCPT10F1-SW-0936-40	12/18/2003	0936	<1	µg/l	
ADCPT11	ADCPT11-SW-5	12/10/2003	1640	<1	µg/l	
ADCPT11	ADCPT11-SW-55	12/10/2003	1640	<1	µg/l	
ADCPT11F1	ADCPT11F1-SW-40	12/10/2003	1646	<1	µg/l	
ADCPT11F1 Dup	SW9001	12/10/2003	1646	<1	µg/l	
ADCPT12	ADCPT12-SW-5	12/10/2003	1618	<1	µg/l	
ADCPT12	ADCPT12-SW-35	12/10/2003	1618	<1	µg/l	
ADCPT12F1	ADCPT12F1-SW-7	12/10/2003	1604	<1	µg/l	
ADCPT13	ADCPT13-SW-5	12/10/2003	1535	<1	µg/l	
ADCPT13	ADCPT13-SW-24	12/10/2003	1535	<1	µg/l	
ADCPT13F1	ADCPT13F1-SW-23	12/10/2003	1545	<1	µg/l	
ADCPT14	ADCPT14-SW-5	12/10/2003	1509	<1	µg/l	
ADCPT14	ADCPT14-SW-18	12/10/2003	1509	<1	µg/l	
ADCPT14F1	ADCPT14F1-SW-16	12/10/2003	1515	<1	µg/l	
ADCPT15	ADCPT15-SW-5	12/10/2003	1440	<1	µg/l	
ADCPT15	ADCPT15-SW-22	12/10/2003	1440	<1	µg/l	
ADCPT15F1	ADCPT15F1-SW-17	12/10/2003	1509	<1	µg/l	
ADCPT16	ADCPT16-SW-5	12/10/2003	1209	<1	µg/l	
ADCPT16	ADCPT16-SW-15	12/10/2003	1209	<1	µg/l	
ADCPT17	ADCPT17-SW-6	12/10/2003	1258	<1	µg/l	
ADCPT18	ADCPT18-SW-2	12/10/2003	1320	<1	µg/l	
ADCPT19	ADCPT19-SW-1009-5	12/18/2003	1009	<1	µg/l	

LAKE BELTON ADCP SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
ADCPT19	ADCPT19-SW-1009-55	12/18/2003	1009	<1	µg/l	
ADCPT19 Dup	SW9006	12/18/2003	1009	<1	µg/l	
ADCPT19F1	ADCPT19F1-SW-1011-1	12/18/2003	1011	<1	µg/l	
ADCPT20	ADCPT20-SW-0920-5	12/18/2003	0920	<1	µg/l	
ADCPT20 Dup	SW9007	12/18/2003	0920	<1	µg/l	
ADCPT21	ADCPT21-SW-5	12/10/2003	1230	<1	µg/l	
ADCPT22	ADCPT22-SW-3.5	12/10/2003	1345	<1	µg/l	
ADCPT22	SW9000	12/10/2003	1345	<1	µg/l	
Equipment Blank	ADCPT4-SW-1405-EB	12/17/2003	1405	<1	µg/l	
Equipment Blank	ADCPT11F1-SW-EB	12/10/2003	1646	<1	µg/l	
Equipment Blank	ADCPT20-SW-0920-EB	12/18/2003	0920	<1	µg/l	
Equipment Blank	ADCPT22-EB	12/10/2003	0000	<1	µg/l	
IDW	ADCP-WINTER	12/18/2003	0000	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

Appendix M

WELL COMPLETION AND BORING LOGS

Pilot hole drilling and well construction were completed by Total Support Services (TSS). Drilling was completed using hollow stem augers equipped with a three-tooth tungsten-carbide bit. Augers used for drilling were five-foot standard lengths. Drill penetration times varied from 1 minute per foot to 67 minutes per foot. Lithologic sampling during drilling was completed by use of a retrievable wire line split sample barrel. The barrel has a round spring catcher at the base. Drilled formation is allowed to enter the barrel through the catcher, but cannot slip back out past the catcher. At five-foot intervals when augers were added to the drill string, the barrel was retrieved, emptied, and run on wire line back into the augers. The soil and rock cuttings generated during the drilling process were examined in the field as the monitoring well borings were advanced in order to log the borehole stratigraphy and to identify water-bearing zones. No soil samples were retained for chemical analysis during this portion of the field program.

Local Geology

All boreholes were drilled though a thin to moderately thick veneer of soil. The soils were not mature and generally contained angular rock fragments from the underlying bedrock unit. The rock fragments were predominantly limestone. The soil horizon varied from 2 feet to 12 feet in thickness and was composed of dark brown to brownish gray to black, organic soil with minor amounts of quarts sand and lithic fragments. In two boreholes (MW-SC3 and MW-SBR1), a large quantity of highly rounded cobbles was penetrated with the organic soil, or inter-bedded with the soil.

As previously discussed, beneath the soil layer, the Main Street Limestone member of the Cretaceous Georgetown Formation has an average thickness of 35 feet in the study area. Monitoring wells MW-HC1, MW-HC2, MW-SBR1, MW-SBR2, MW-SBR3, and MW-SBR5 were all completed in the Main Street Limestone. Drilling was characterized by a medium- to fine-grained chalky limestone containing variable amounts of terrigones material. Bedding was encountered on a massive 4 foot to 8-foot scale. Cuttings in the upper portion of the borehole appeared to be weathered limestone that was light gray to white in color. The limestone was inter-bedded with sandy calcareous marl. The upper portions of the boreholes were also characterized by fracturing and meteoric solution activity. Minor terrigones and biologic accessories were encountered during drilling.

The Main Street Limestone was generally more massive lower in the boreholes. All drilling completed in the Main Street Limestone was ended after encountering a massive non-fractured medium gray limestone bed beneath the marl rich unit described above. Penetration times in the more massive unit were in excess of one hour per foot. Little to no dissolution was noticed in this unit.

Boreholes MW-SC1, MW-SC3, MW-SC5, MW-OC1, and MW-LR1 were completed in the Weno Limestone and Denton Clay (also called the Denton Marl) members of the Cretaceous Georgetown Formation. Drilling was characterized by a fine-grained chalky limestone containing moderate amounts of terrigones material. Fine bedding was encountered and varied between marl and more sediment-rich units. Cuttings appeared to be highly weathered and the limestone and marl were light gray to yellowish gray in

color. The upper portions of the boreholes were also characterized by fracturing and meteoric solution activity, with more massive beds being found at depth.

Local Hydrogeology

The upper portions of all boreholes in the study area showed visible meteoric dissolution. Most boreholes revealed solution enhanced bedding features and/or fracturing in the upper 20 to 30 feet. Wells were completed, when possible, through these features and several feet into the more massive layers below in order to take advantage of potential fluid migration pathways. All completed wells contained groundwater at the time of development with the exception of MW-HC2.

Water could be seen flowing into boreholes MW-HC1 and MW-SBR1 after the augers were removed from the borehole. It appears from the field investigation that water enters the wells from solution features and/or fractures in the limestone. These features act as conduits for local fluid transport in the study area.

Monitoring Well Construction

All monitoring wells were constructed using 2-inch schedule 40 PVC well casing and 2-inch schedule 40 PVC 0.10 slot well screen. Well casing and screen was "tri-lock" threaded with O-rings. All well materials were in new condition. Each monitoring well was constructed with at least 15 feet of well screen installed across the shallow water table to accommodate seasonal water-table fluctuations. The screen in each monitoring well was placed from the bottom of the borehole (which extends at least 10 feet below where groundwater was first encountered) and the screen extended at least 5 feet above the top of the water table. Upon reaching total well depth, the well casing was run inside the augers. To ensure the stability of the borehole during well construction, the monitoring wells were installed through the drill string. After the riser casing and capped screen were positioned to the desired depth in the borehole, a sand pack consisting of clean, non-carbonate, 16/30-mesh silica sand was placed in the annulus between the screen and borehole wall. The sand was slowly poured down the annulus between the screen and the drill pipe, and allowed to settle out of the drill pipe as the drill pipe was slowly retracted from the borehole. The depth of the sandpack in the annular space was monitored continuously using a weighted probe. As the drill pipe was pulled upward and the sand settled out through the bottom of the pipe, additional sand was added so that sand always remained in the bottom end of the drill string. This prevented the borehole from collapsing around the screen before the sand pack was in place. Sand was added until it was 2 feet above the top of the screen after the drill string was removed. After the required sand pack thickness had been achieved, the sand was allowed to settle for approximately 15 minutes, after which the depth of the sand pack was verified. If additional sand was required, it was added to the borehole as described above. The sand was once again allowed to settle and the thickness of the sand pack was verified. This process continued until settlement of the sand pack was no longer observed. A two-foot thick well seal composed of bentonite hole plug was placed on top of the well gravel pack. After the bentonite seal had been adequately hydrated, the remaining annular space was grouted with neat Portland cement. No accelerator, such as calcium chloride, was added to the cement grout. The cement grout was placed to a depth that allowed for a

protective surface completion to be installed as described below. The well and borehole were then sealed by surface completion.

Well Completion

Two types of well completions were utilized during this study. Standard well completions were accomplished by use of a 4-inch by 4-inch locking cap steel riser. Risers were delivered in standard 5-foot lengths. Risers were cemented into the ground 2-feet leaving a 3-foot stick up, enclosing the 2-inch PVC casing. Surface completions were finished by means of a 4-foot by 4-foot square raised concrete pad. The concrete pad sloped away from the steel casing toward the ground surface. The inner PVC well casing of each well was capped with a lockable, protective, expandable well cap. Well completions were protected by the installation of bollard posts outside each corner of the well pad. Well risers and bollards were painted safety yellow for increased visibility.

Flush mount completions were used at wells MW-SC3 and MW-OC1 due to their locations in high traffic areas. Flush-mount completions utilized a 6-inch bolted aluminum manhole cover set in a 4-foot by 4-foot square flush concrete pad. No bollards or visibility paint were used on flush mount completions.

Drilled depths and general well completion data are presented in **Table 1**, and well completion logs are included with this report at the end of this appendix.

Table 1
Well Completion Data

Well Number	Drilled Depth	Screen Interval	First Water	Completion Type
MW-HC1	20-feet	6 – 19.5 feet	2.8-feet	Standard Riser
MW-HC2	35-feet	10 – 34.5 feet	NA	Standard Riser
MW-SC1	25-feet	7- 24.5 feet	17-feet	Standard Riser
MW-SC3	25-feet	7- 24.5 feet	16.5-feet	Flush Mount
MW-SC5	23.5-feet	6 – 23 feet	7.2-feet	Standard Riser
MW-OC1	30-feet	10 – 29.5 feet	21-feet	Flush Mount
MW-LR1	25-feet	5 - 24.5 feet	16.5-feet	Standard Riser
MW-SBR1	25-feet	7- 24.5 feet	12.5-feet	Standard Riser
MW-SBR2	37.5-feet	10 – 37 feet	23.5-feet	Standard Riser
MW-SBR3	25-feet	6 – 24.5 feet	15.1-feet	Standard Riser
MW-SBR5	24.5-feet	6 – 24 feet	8.6-feet	Standard Riser

All depths are referenced from ground level.

All drill cuttings were captured and containerized at the well head location in sealed 55-gallon drums approved by the Department of Transportation. The drums were labeled with well location information, drum contents (cuttings), and given a drum number corresponding to the number of drums at the location. All drums containing soil and drill cuttings were sampled for perchlorate, and samples were delivered to BRA for shipment to the USACE Engineer Research and Development Center Environmental Laboratory at

the Environmental Chemistry Branch in Omaha, Nebraska for analysis. A summary of the analytical results can be found below in **Table 2**.

Well Development

Following well construction, the wells were developed by bailer and pump methods until discharge water from the well was free of silt and sediment. Development of the wells was completed to ensure that accurate groundwater levels were present in the completed wells, and that perching of water was not occurring due to screen plugging. The monitoring wells were developed no sooner than 24 hours after grouting and well construction was completed.

An electric water-level meter was used to measure the depth to groundwater and the total depth of the monitoring well prior to and immediately after well development. During well development, pH, specific conductivity, and temperature of the purge water were periodically monitored with a field portable meter (e.g., Hydrolab). The selected water-quality meter was calibrated daily according to the manufacturers' instructions. All calibration information and water quality measurements were recorded on a Monitoring Well Development Form. At a minimum, water quality measurements were taken at the beginning of well development and after evacuation of each borehole volume. Well development continued at each well for a maximum of 4 hours or until three consecutive water quality measurements met the following criteria:

- Specific conductivity ±10 percent
- Temperature ± 1° C
- Turbidity < 20 nepholemetric turbidity units (NTUs)
- Within ± 0.2 pH units.

Wells MW-SBR2 and MW-SC1 contained only minor amounts of water at the time of development. As such, the wells were purged and allowed to fully recover numerous times over the 3 days of well development. Purge water from these wells was only clean after numerous purging events.

Well MW-HC2 was dry to its total depth when the wells were developed. No development of this well was undertaken. Subsequently water has slowly filled MW-HC2, but the water level record from this well does not resemble surface water level measurements taken in the area, or the signatures of other ground water monitoring wells constructed for this study.

All purge water was captured and containerized at the well head location in sealed 55-gallon drums. The drums were labeled with well location information and drum number corresponding to the well location. All drums containing development water were temporarily stored near the well and sampled for perchlorate, and samples were delivered to BRA for shipment to the USACE Engineer Research and Development Center Environmental Laboratory at the Environmental Chemistry Branch in Omaha, Nebraska for analysis. A summary of the analytical results can be found in **Table 2**.

Table 2
Analytical Results

Monitoring Well Number	Cuttings Result	Water Result
MW-HC1	ND	ND
MW-HC2	ND	ND
MW-SC1	ND	ND
MW-SC3	ND	1 µg/l* (J)
MW-SC5	ND	9.1 µg/l
MW-OC1	ND	ND
MW-LR1	ND	ND
MW-SBR1	ND	1 µg/l* (J)
MW-SBR2	ND	ND
MW-SBR3	ND	2 µg/l* (J)
MW-SBR5	ND	ND

* Results reported below the method detection limit (1 µg/l).

Investigation Derived Waste Disposal
Investigation derived waste (IDW) that demonstrated to contain no concentrations of perchlorate through laboratory analysis was deposited in the vicinity of the well head. Private land owners were consulted as to the most appropriate deposit areas for the drill cuttings and development water. All empty 55-gallon containers and lids from IDW containing no perchlorate were then transported to the City of Waco landfill for disposal.

IDW that was found to contain concentrations of perchlorate through laboratory analysis was held at the well head while arrangements for proper disposal were made. MWH contracted with Safety-Kleen Systems for the disposal of all IDW containing perchlorate. IDW was picked up from the well head location and transported by Caldwell Environmental Associates, Inc., to Onyx Environmental Services of Port Arthur, Texas for disposal in a Class A environmental landfill.

Well Surveying
MWH subcontracted with ZWA for surveys of all well locations. Reference elevations were linked to the steel well housing adjacent to the top of casing on above ground completions, and to the steel ring on flush mount completions. Surveying was accomplished by use of a GPS unit. The unit was stationed at the site, and allowed to collect and refine satellite date for an average of 3-hours. The long duration for data collection at individual sites increases the accuracy of the readings. Locations with low topographic relief were allowed to collect data for longer periods.

The data point collected from the GPS unit was then applied to the well site using standard surveying methods. In addition to the reference elevation, elevations for pad corners and ground surface at pad corners were collected. A summary of reference elevations can be found in **Table 3**.

Table 3
Monitoring Well Survey Results

Well Number	TOC Elevation
MW-HC1	669.22’
MW-HC2	604.34’
MW-SC1	766.90’
MW-SC3	730.32’
MW-SC5	618.71’
MW-OC1	710.00’
MW-LR1	613.03’
MW-SBR1	620.50’
MW-SBR2	549.33’
MW-SBR3	507.21’
MW-SBR5	465.13’

LOG OF MW - SC1

Project: Bosque and Leon River Watersheds Study
Location: Station Creek at Texas A&M Property

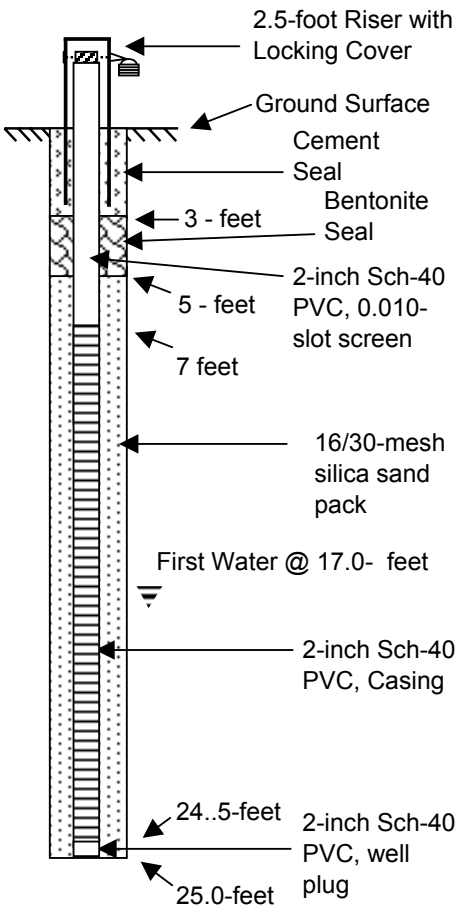
Started: 11-15-02
Finished: 11-15-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°22'53.95925"
Long: 97°29'28.44477"
Elev TOC: 766.90 feet
Drilled Depth: 25 feet
Completed Depth: 25 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4	80%	CL		**0' - 5', Soil (organic)** Silty clay, dark brown to black, dry stream/marsh deposit
5 6 7 8 9 10 11 12 13 14	60%	CL		**5' - 14.5', Sandy - Claystone** Gray brown, dry, friable, bedding is fine, possible organics in bedding layers. moderatley indurated
15 16 17 18 19 20 21 22 23 24 25	40%	LS		**14.5 - 25', Limestone** Tan to gray, thickly bedded, recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated

Represents the first observed water encountered during drilling

WELL COMPLETION



LOG OF MW - SC3

Project: Bosque and Leon River Watersheds Study
Location: Station Creek at SR 107

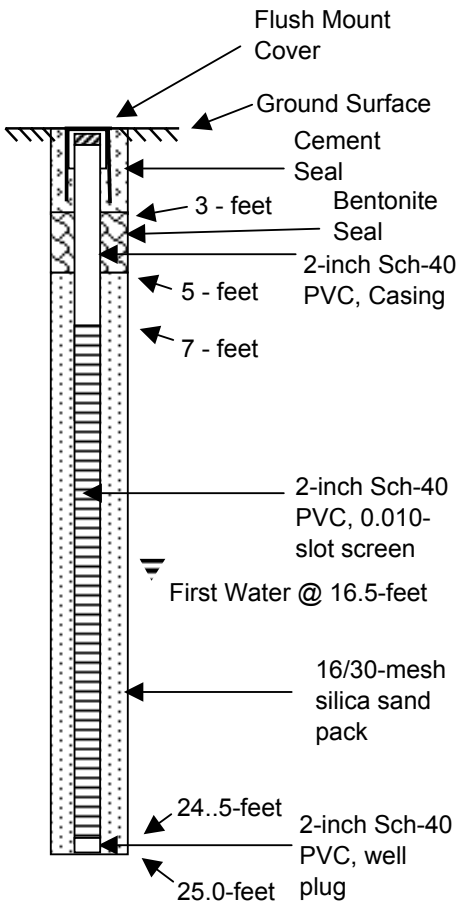
Started: 11-14-02
Finished: 11-14-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°22'01.86505"
Long: 97°29'46.86490"
Elev TOC: 730.32 feet
Drilled Depth: 25 feet
Completed Depth: 25 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5	80%	CL		**0' - 5', Rock & Fill** Limestone pebbles, well sorted, moderately rounded,
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	45% 60%	LS		**5 - 25', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated

Represents the first observed water encountered during drilling

WELL COMPLETION



LOG OF MW - OC1

Project: Bosque and Leon River Watersheds Study
Location: Onion Creek at SR 107

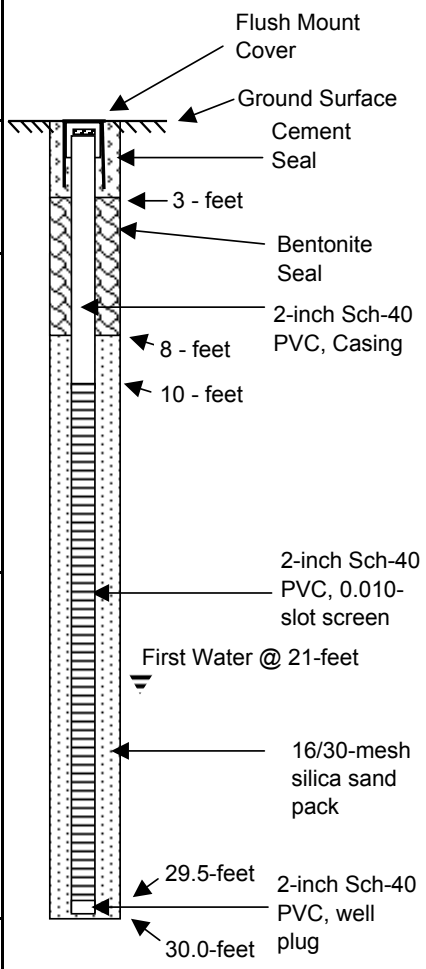
Started: 11-15-02
Finished: 11-15-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°21'08.20041"
Long: 97°28'43.38948"
Elev TOC: 710.00 feet
Drilled Depth: 30 feet
Completed Depth: 30 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5	90%	CL		**0' - 5', Soil & Rock** Limestone pebbles, well sorted, moderately rounded, Dark organic soil
6 7 8 9 10 11 12 13 14 15 16 17	60%	LS		**5 - 17', Limestone** Tan to gray, thickly bedded, recrystalized, slight dissolution, meteoric interbedded with marl, slightly moist, friable, bedding is thin, moderatley indurated
18 19 20 21 22 23 24 25 26 27 28 29 30	30%	LS		**17' - 30', Limestone** Very Hard

Represents the first observed water encountered during drilling

WELL COMPLETION

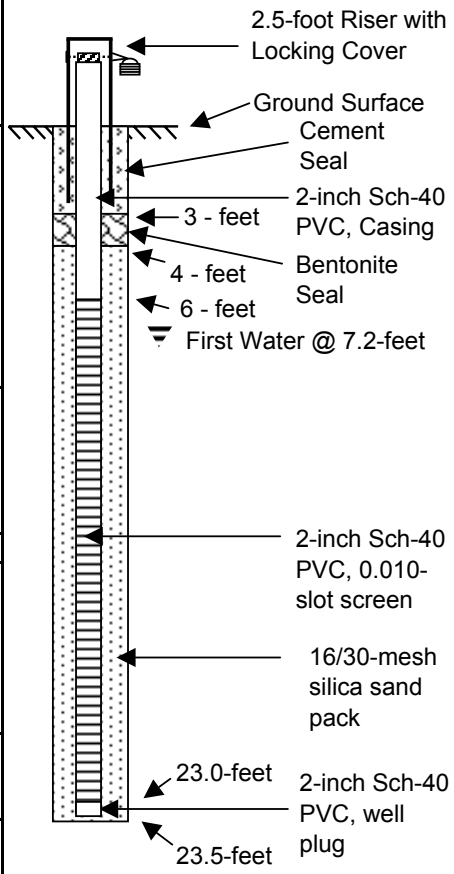


LOG OF MW - SC5

Project: Bosque and Leon River Watersheds Study **Location:** Station Creek at Oglesby Neff Park Road	**Started:** 11-13-02 **Finished:** 11-14-02 **Method:** Auger **Contractor:** Total Support Services **Observed By:** M. Randal Skinner	**Lat:** 31°19'24.18202" **Long:** 97°29'15.38574" **Elev TOC:** 618.71 feet **Drilled Depth:** 23.5 feet **Completed Depth:** 23.5 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5 6 7 8 9	80%	CL		**0' - 10', Soil (organic)** Stream Deposit, dark brown to black, moist, highly organic
10 11 12 13 14	70%	CL & GR		**10' - 15, Soil (organic)** Stream Deposit, dark brown to black, moist,, highly organic **with** Limestone pebbles, well sorted,
15	50%	GR		**Gravel Layer 15'-15.5'**
16 17 18 19 20 21	60%	CL		**15.5' - 21', Sandy - Claystone** Tan brown, dry, friable, bedding is fine, possible organics in bedding layers. moderatley indurated
22 23 23.5	15%	LS		**21' - 23.5', Limestone** Gray, thickly bedded, slightly fossiliferous Gray, slightly moist, friable,

WELL COMPLETION



Represents the first observed water encountered during drilling

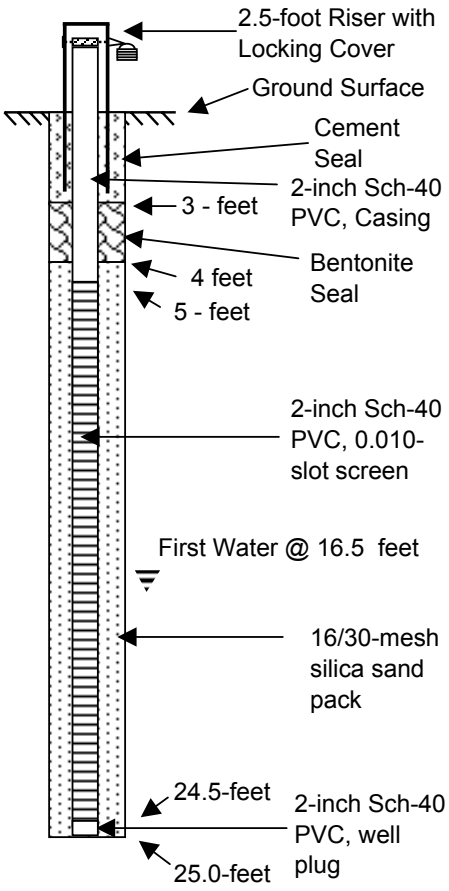
LOG OF MW - LR1

Project: Bosque and Leon River Watersheds Study **Location:** Leon River at Hwy 236	**Started:** 11-22-02 **Finished:** 11-22-02 **Method: Auger** **Contractor:** Total Support Services **Observed By:** M. Randal Skinner	**Lat:** 31°18'49.91350" **Long:** 97°28'21.09970" **Elev TOC:** 613.03 feet **Drilled Depth:** 25 feet **Completed Depth:** 25 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12 13	80%	CL		**0' - 14', Soil (organic)** Silty clay, dark brown, dry stream/marsh deposit River deposit, becomes more silty at base. Possible bedding
14 15 16 17 18 19 20 21 22	60%	LS		**14 - 22', Limestone** Medium gray, moderately bedded, recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated
23 24 25				**22' - 25', Limestone** Very Hard

Represents the first observed water encountered during drilling

WELL COMPLETION



LOG OF MW - HC1

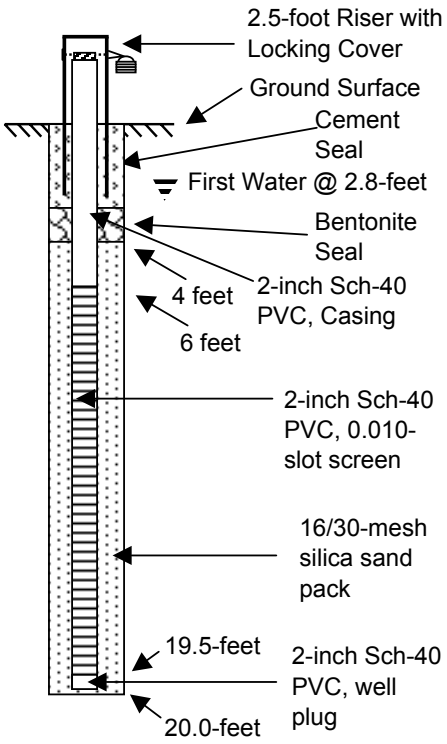
Project: Bosque and Leon River Watersheds Study
Location: Harris Creek at Middle Windsor Road

Started: 11-21-02
Finished: 11-21-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°27'02.43722"
Long: 97°24'12.02084"
Elev TOC:669.22 feet
Drilled Depth: 20.0 feet
Completed Depth: 20.0 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4	90%	CL		**0' - 4', Fill with Gravel**
5 6	40%	CL		**4' - 6' Claystone** Silty clay, dark brown, partly dry to wet
7 8	40%	CL		**6' - 8' Claystone (weathered LS)** Silty clay, gray, partly dry to wet
9 10 11 12 13 14 15 16 17 18 19 20	60%	LS		**8' - 20', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated

WELL COMPLETION



Represents the first observed water encountered during drilling

LOG OF MW - HC2

Project: Bosque and Leon River Watersheds Study
Location: Harris Creek near Val Verde Road

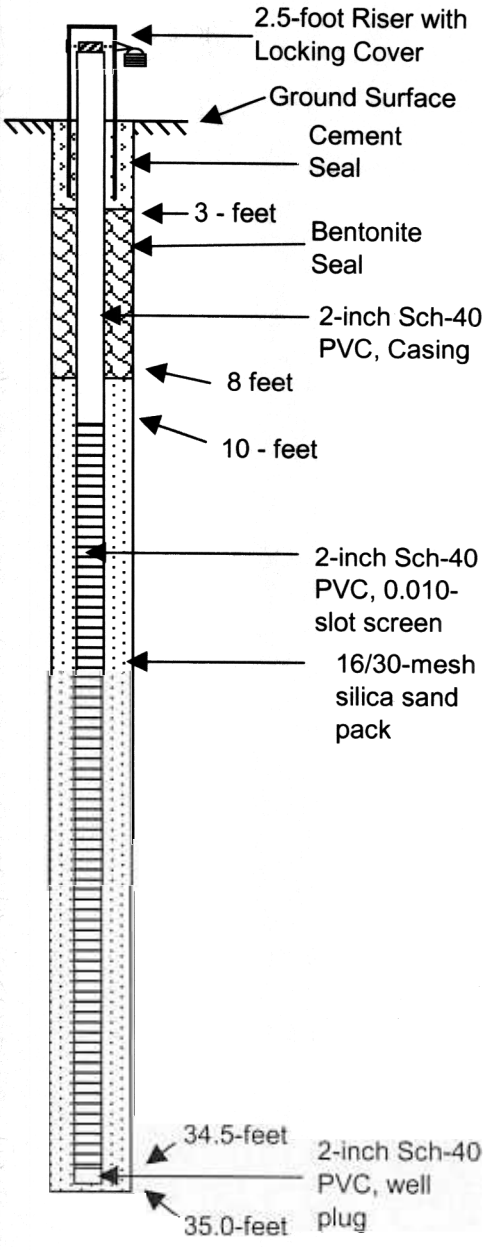
Started: 11-11-02
Finished: 11-11-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°28'52.49381"
Long: 97°21'38.25835"
Elev TOC: 604.34 feet
Drilled Depth: 35 feet
Completed Depth: 35 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5	90%	CL		**0' - 5', Soil** Silty clay, dark brown, dry black - organic layers throughout
6 7 8 9 10	90%	CL		**5' - 10', Soil** Silty clay, dark brown, dry minor amount of limestone pebbles black - organic layers at top
11 12 13	90%	CL		**10' - 12.5', Claystone** Gray brown, dry, friable, bedding is fine, minor amount of limestone pebbles
14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	60%	LS		**12.5 - 31', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated **No water encountered during drilling**
32 33 34 35	10%	LS		**31 - 35', Limestone** Gray, Very Hard,

Represents the first observed water encountered during drilling

WELL COMPLETION



LOG OF MW - SBR3

Project: Bosque and Leon River Watersheds Study
Location: South Bosque River at Church Road

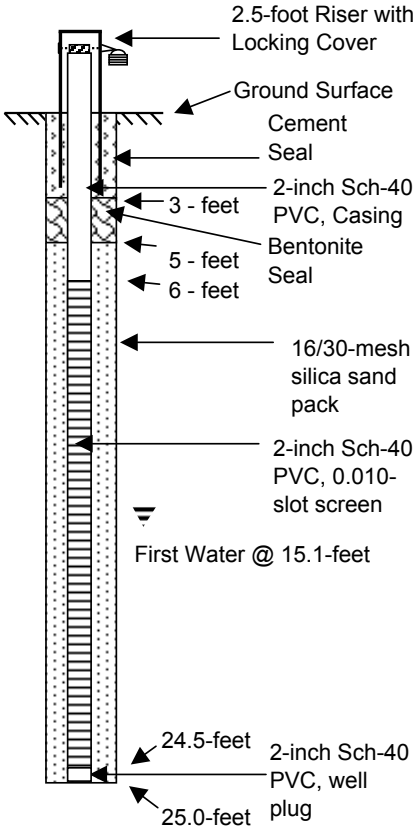
Started: 11-13-02
Finished: 11-13-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°27'39.34026"
Long: 97°17'45.51484"
Elev TOC: 507.21 feet
Drilled Depth: 25 feet
Completed Depth: 25 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12	80%	CL		**0' - 12', Soil (organic)** Silty clay, dark brown to black, dry stream/marsh deposit
13 14 15 16 17 18 19 20 21 22	60%	LS		**12 - 22', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated
23 24 25	20%	LS		**22' - 25', Limestone** as above, very hard

Represents the first observed water encountered during drilling

WELL COMPLETION



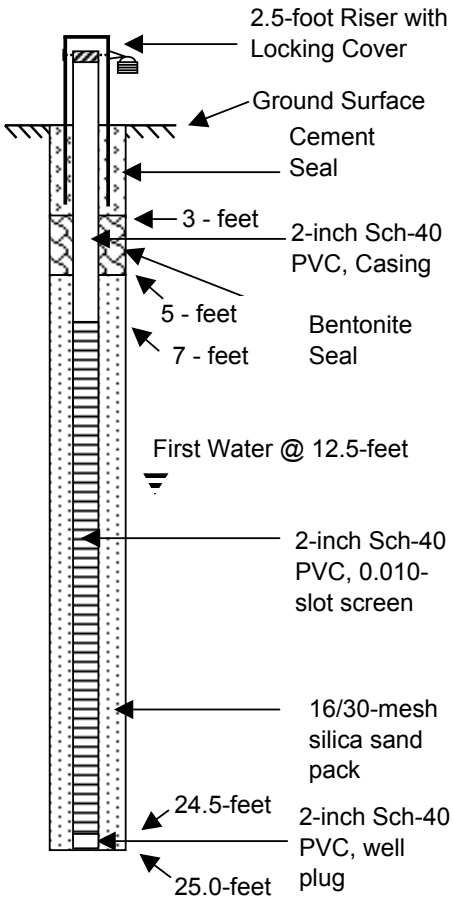
LOG OF MW - SBR1

Project: Bosque and Leon River Watersheds Study **Location:** South Bosque River at Indian Trail Road	**Started:** 11-13-02 **Finished:** 11-14-02 **Method:** Auger **Contractor:** Total Support Services **Observed By:** M. Randal Skinner	**Lat:** 31°24'29.11142" **Long:** 97°22'08.28999" **Elev TOC:** 620.50 feet **Drilled Depth:** 25 feet **Completed Depth:** 25 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2	80%	CL		**0' - 2', Soil (organic)** Silty clay, dark brown, dry
3 4 5 6 7 8 9 10 11 12	40%	GR		**2' - 12', Gravel & Dirt** Limestone pebbles, well sorted, moderately rounded, Dirt is Fe rich and thin Adjacent area has been quarried for gravel
13 14 15 16 17 18 19 20 21 22 23 24 25	60%	LS		**12 - 25', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated

Represents the first observed water encountered during drilling

WELL COMPLETION

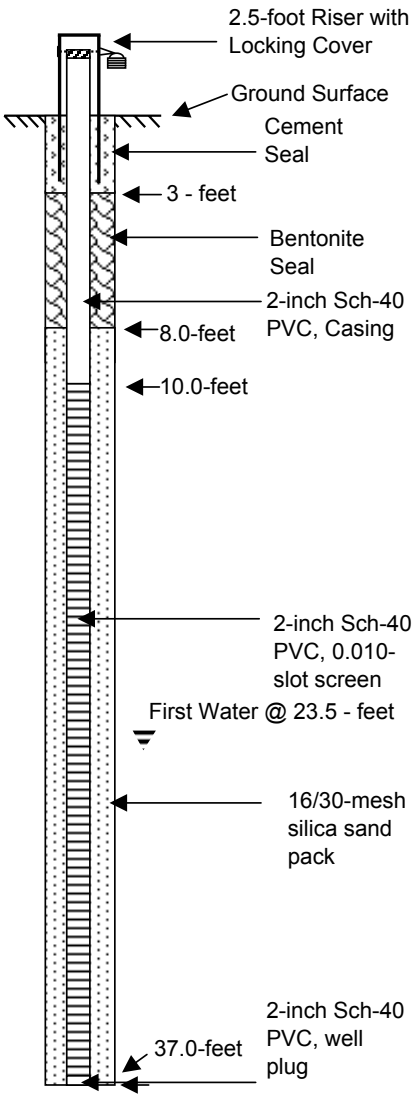


LOG OF MW - SBR2

Project: Bosque and Leon River Watersheds Study **Location:** South Bosque River near Cotton Belt Pkw	**Started:** 11-12-02 **Finished:** 11-12-02 **Method:** Auger **Contractor:** Total Support Services **Observed By:** M. Randal Skinner	**Lat:** 31°25'33.59777" **Long:** 97°18'53.11641" **Elev TOC:** 549.33 feet **Drilled Depth:** 37.5 feet **Completed Depth:** 37.5 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4	90%	CL		**0' - 4', Soil** Silty clay, dark brown, partly dry to moist, no limestone fraction, grades orange at base.
5 6 7 8 9 10 11	40%	CL & LS		**4' - 11' Weatherd Limestone and Soil** Weathered limestone, mostly as rounded to sub angular chips, grayish brown to dark orange, dry
12 13 14 15 16	90%	CL		**11' - 16', Claystone** Gray brown, dry, friable, bedding is fine, possible organics in bedding layers. moderatley indurated
17 18 19 20 21 22 23 24 25 26	90%	CL		**16' - 26', Claystone** Dark gray, slightly moist, friable, bedding is thin, possible organics in bedding layers, moderatley indurated Grading from dark gray to Gray brown at base, varve like
27 28 29 30 31 32	70%	CL & LS		**26' - 32', Limestone with Clay** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated
33 34 35 36 37	60%	LS		**32' - 37.5', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric
				Represents the first observed water encountered during drilling

WELL COMPLETION



LOG OF MW - SBR5

Project: Bosque and Leon River Watersheds Study
Location: South Bosque River at HWY 84

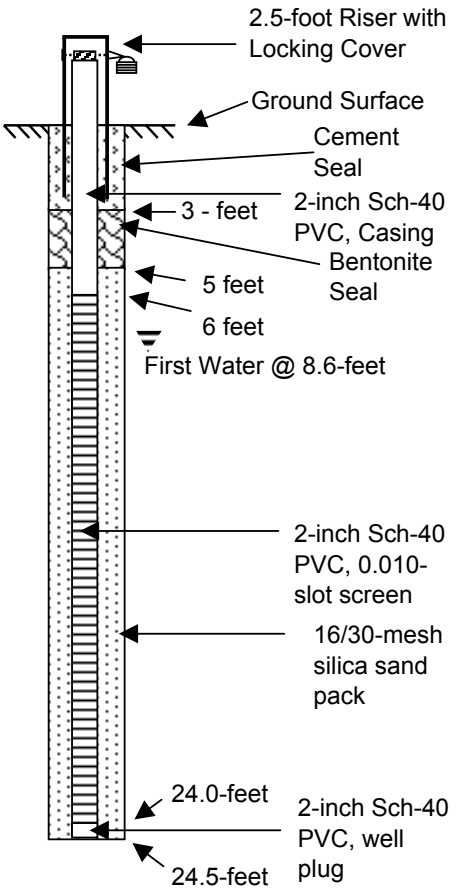
Started: 10-21-02
Finished: 10-22-02
Method: Auger
Contractor: Total Support Services
Observed By: M. Randal Skinner

Lat: 31°29'05.31520"
Long: 97°16'17.624000"
Elev TOC: 465.13 feet
Drilled Depth: 24.5 feet
Completed Depth: 24.5 feet

DEPTH (feet)	% RECOVERY	USCS	LITHOLOGY	LITHOLOGIC DESCRIPTION
1 2 3 4 5 6	90%	CL		**0' - 6', Soil/Fill** Silty clay, dark brown, partly dry to moist, trace of gravel, black - organic layers
7 8 9 10 11	40%	CL		**6' - 11', Sandy - Claystone** Gray brown, dry, friable, bedding is fine, possible organics in bedding layers. moderatley indurated
12 13 14 15 16 17 18 19 20 21 22 23 24 24.5	70%	LS		**11 - 24.5', Limestone** Gray, thickly bedded, slightly fossiliferous recrystalized, slight dissolution, meteoric Clay (interbedded marl) Dark gray, slightly moist, friable, bedding is thin, moderatley indurated

Represents the first observed water encountered during drilling

WELL COMPLETION

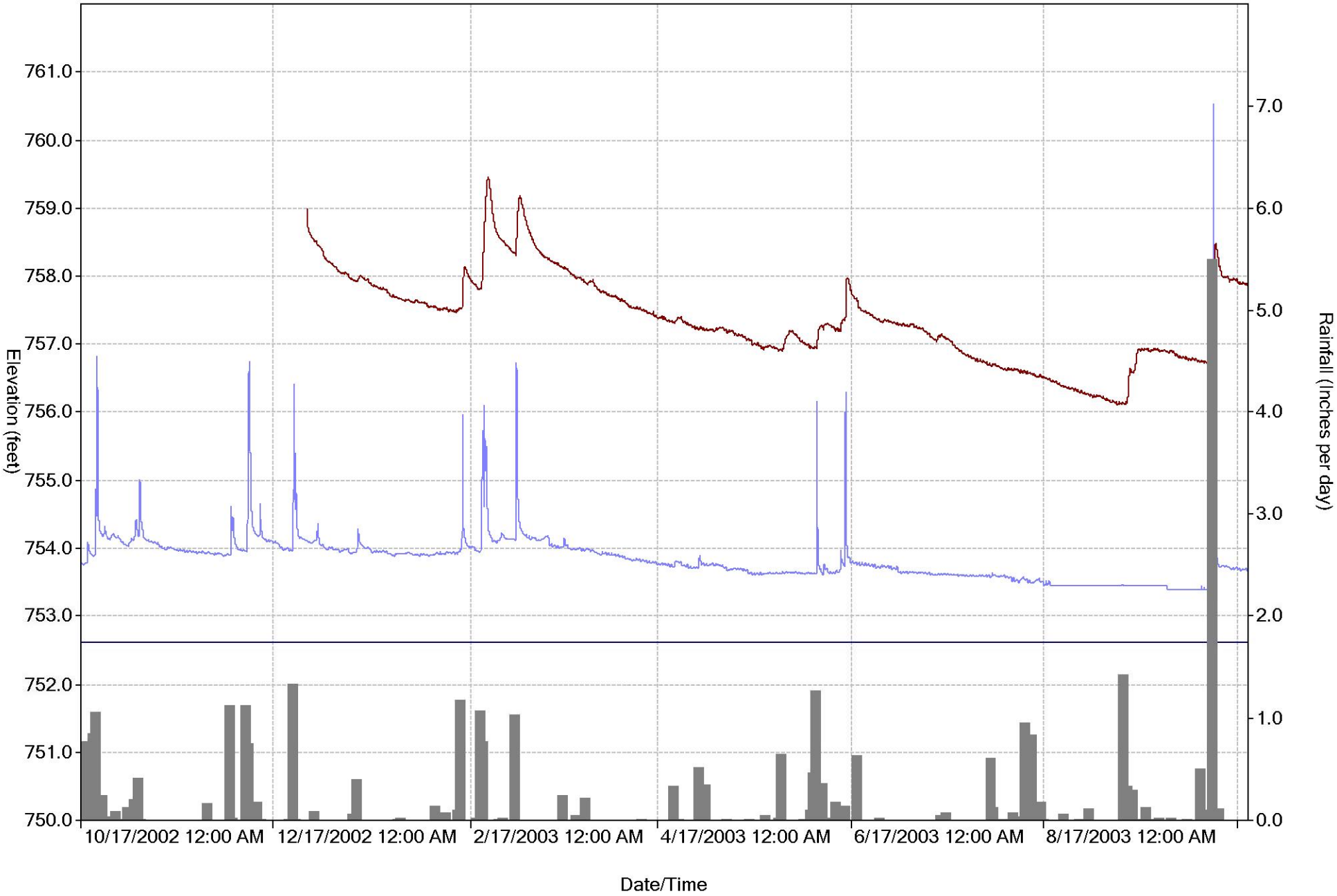


Appendix N

SURFACE WATER/ GROUNDWATER/ RAINFALL VS TIME

2004/02/09 11:16

Station Creek at A&M Property (SC1)
Surface Water/ Groundwater/ Rainfall vs Time

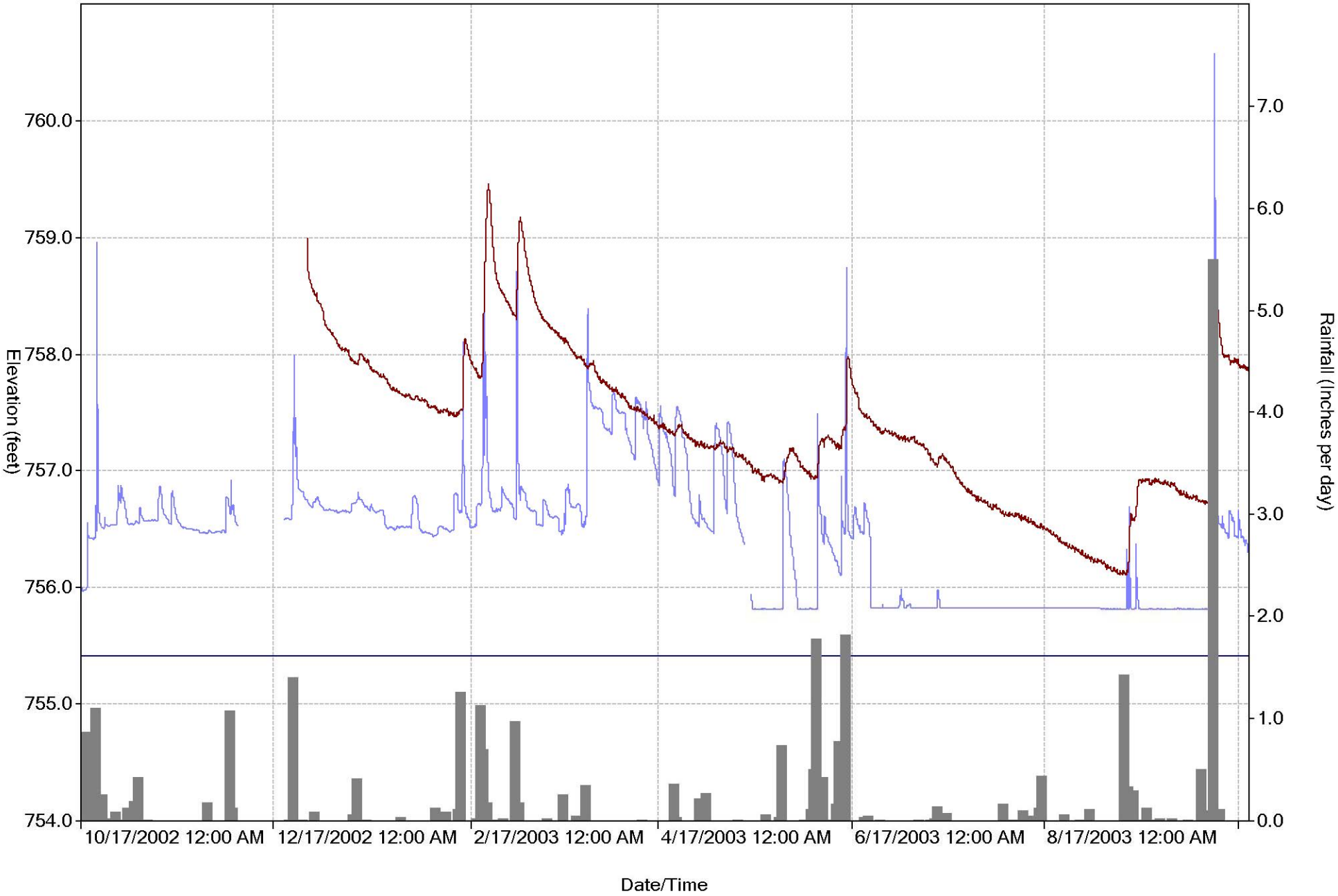


Legend:

- Corrected Surface Elevation
- Bottom of Stream at Bubbler
- Corrected Groundwater Elevation (SC1 and TRM1 share one well)
- Rainfall (SC3/OC1 data used 8/18/03 to 10/20/03 due to equipment error)

2004/02/09 11:22

Tributary M at A&M Property (TRM1)
Surface Water/ Groundwater/ Rainfall vs Time

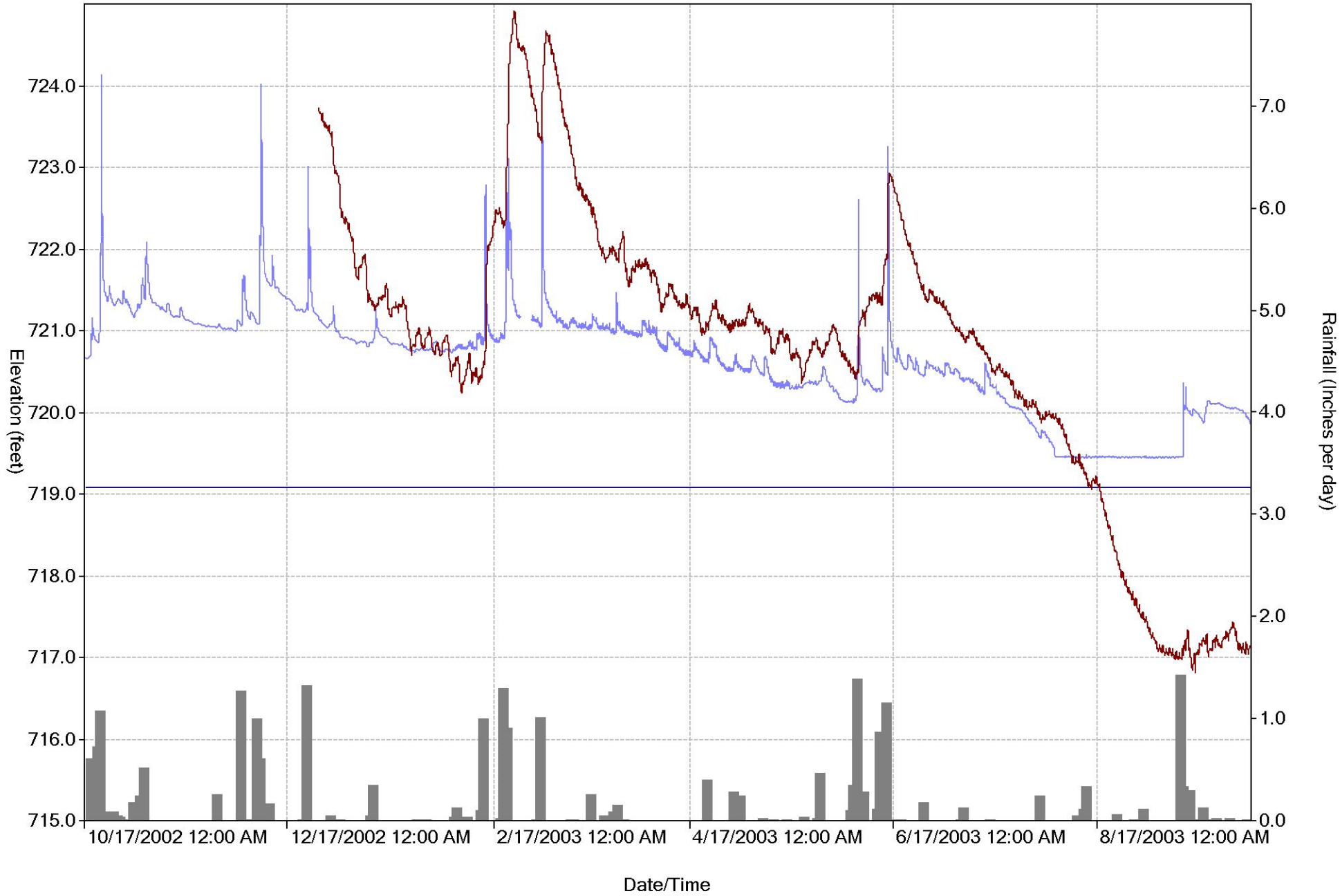


Legend:

- Corrected Surface Elevation
- Bottom of Stream at Bubbler
- Corrected Groundwater Elevation (SC1 and TRM1 share one well)
- Rainfall (SC3/OC1 data used 8/18/03 to 10/20/03 due to equipment error)

2004/02/09 11:18

Station Creek at 107 (SC3)
Surface Water/ Groundwater/ Rainfall vs Time

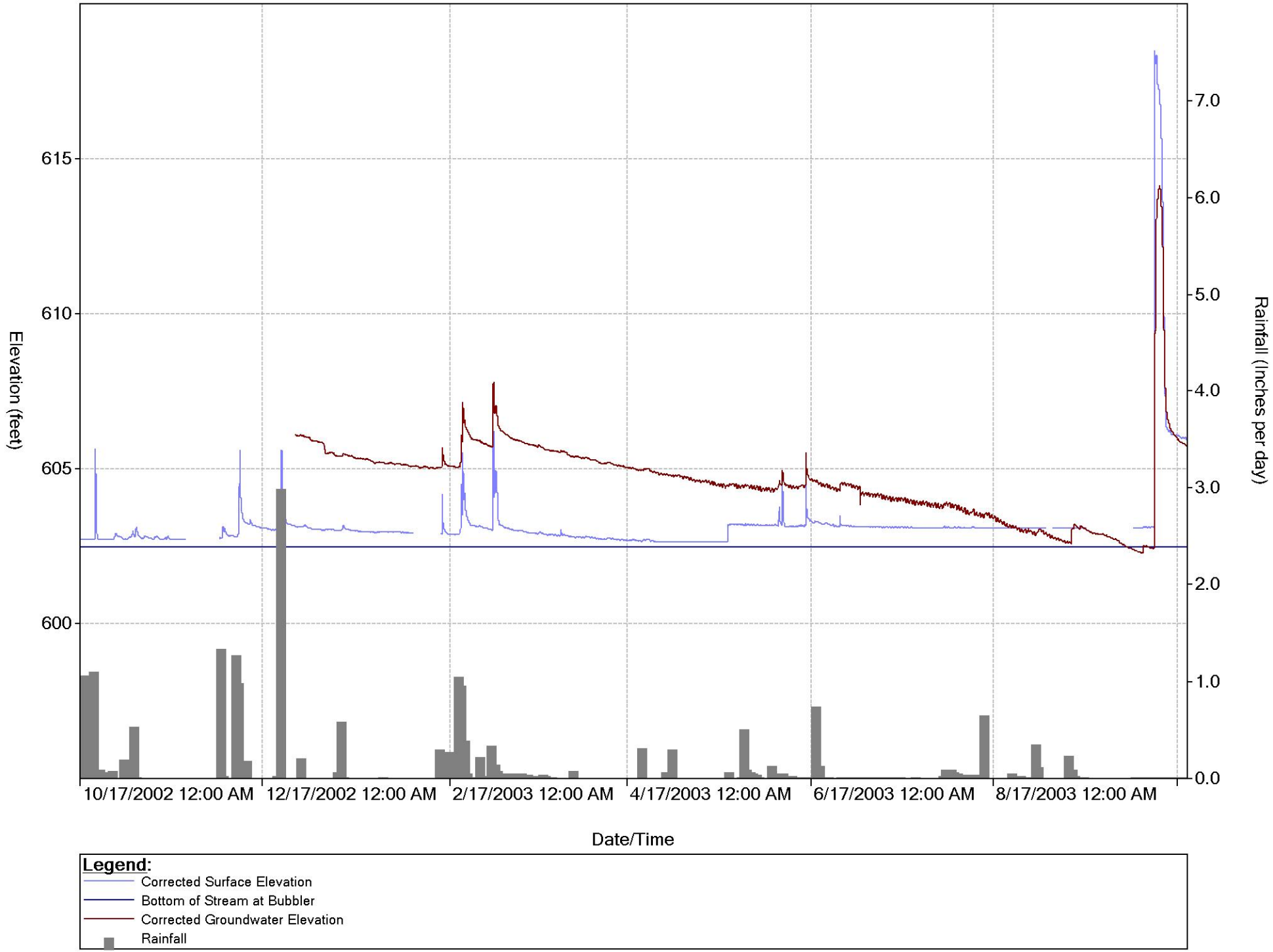


2004/02/09 10:50

Onion Creek at 107 (OC1)
Surface Water/ Groundwater/ Rainfall vs Time

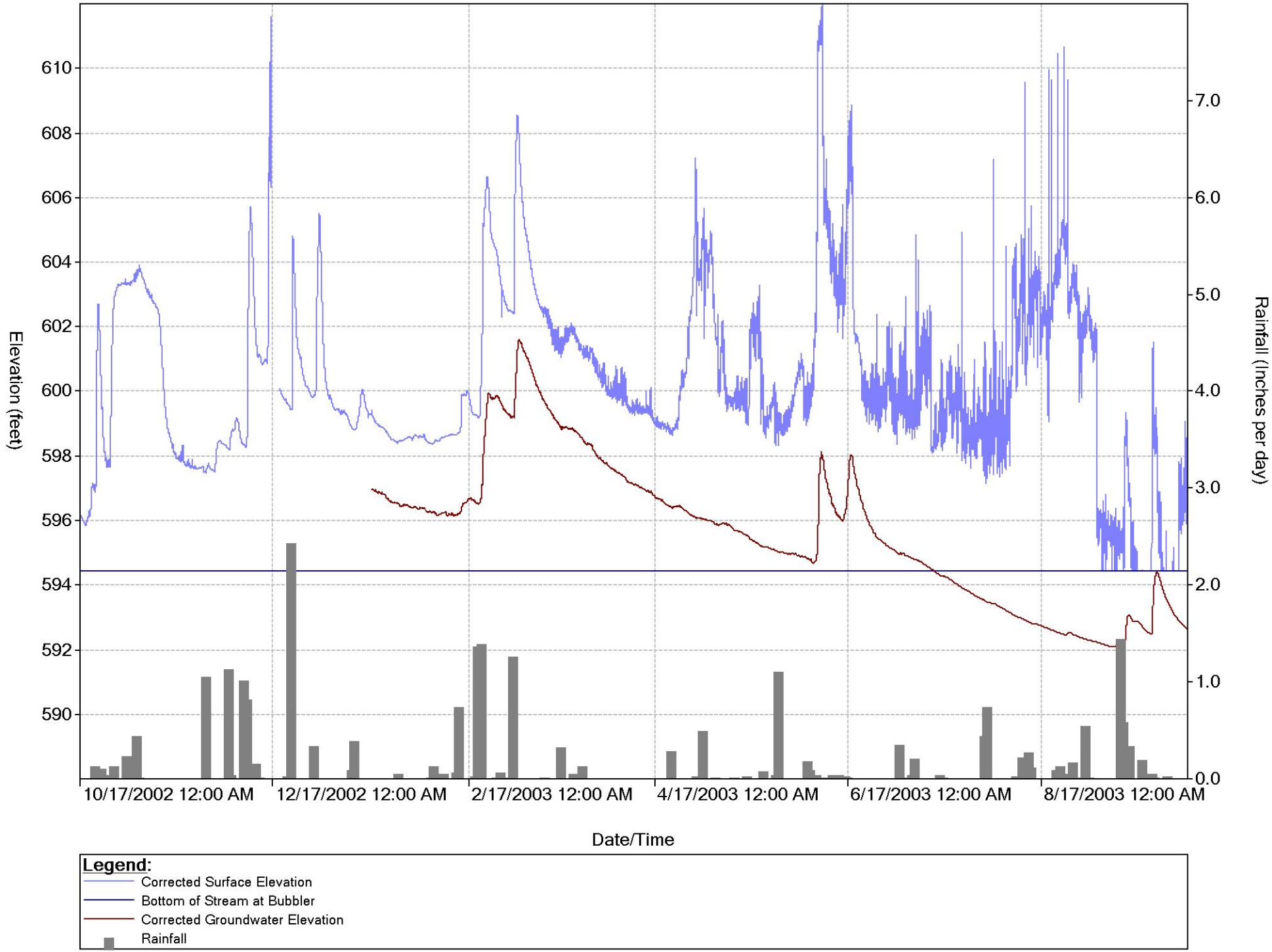
2004/02/09 11:20

Station Creek at Ogelsby Neff Park Road (SC5)
Surface Water/ Groundwater/ Rainfall vs Time



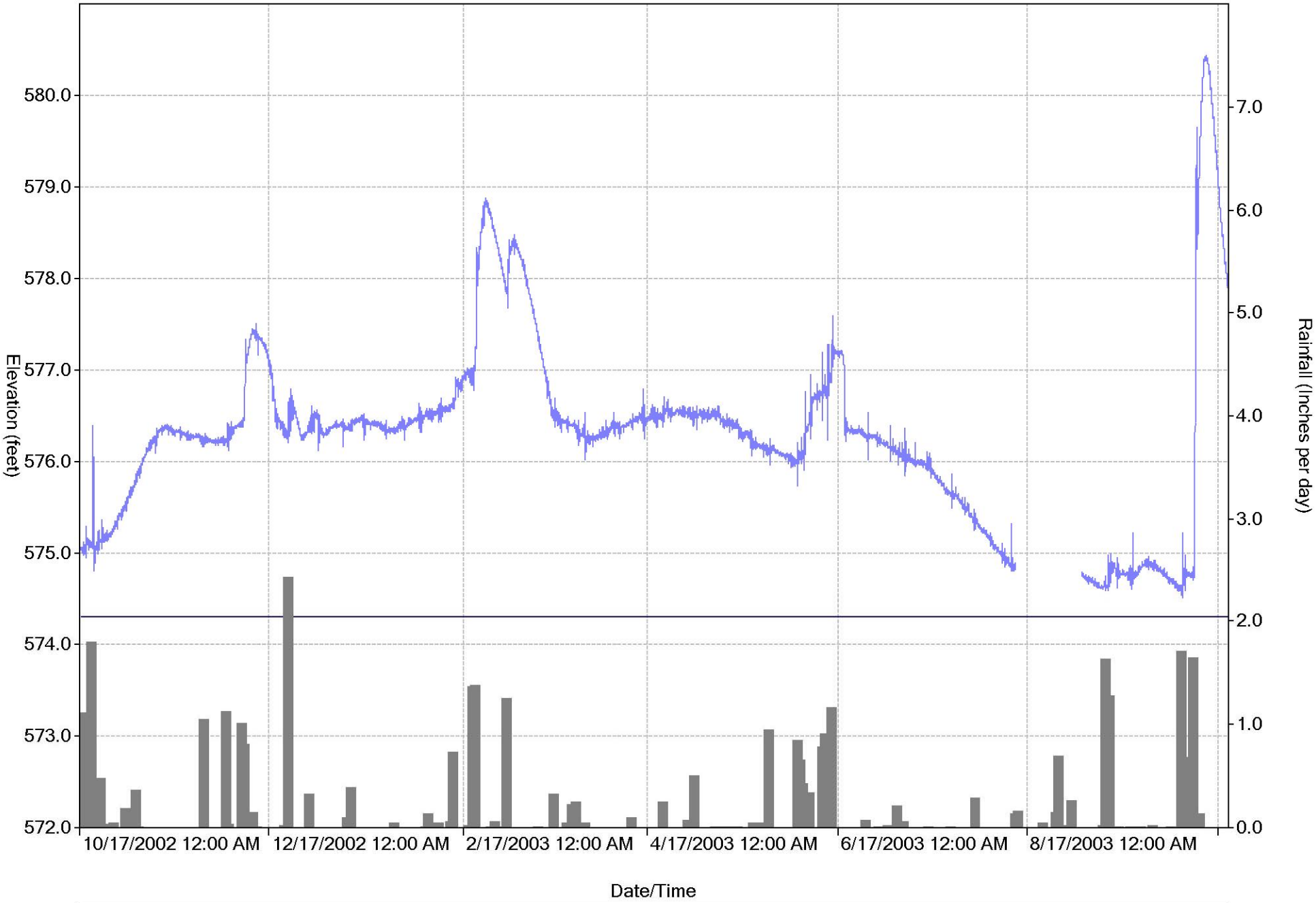
2004/02/09 10:46

Leon River at 236 (LR1)
Surface Water/ Groundwater/ Rainfall vs Time



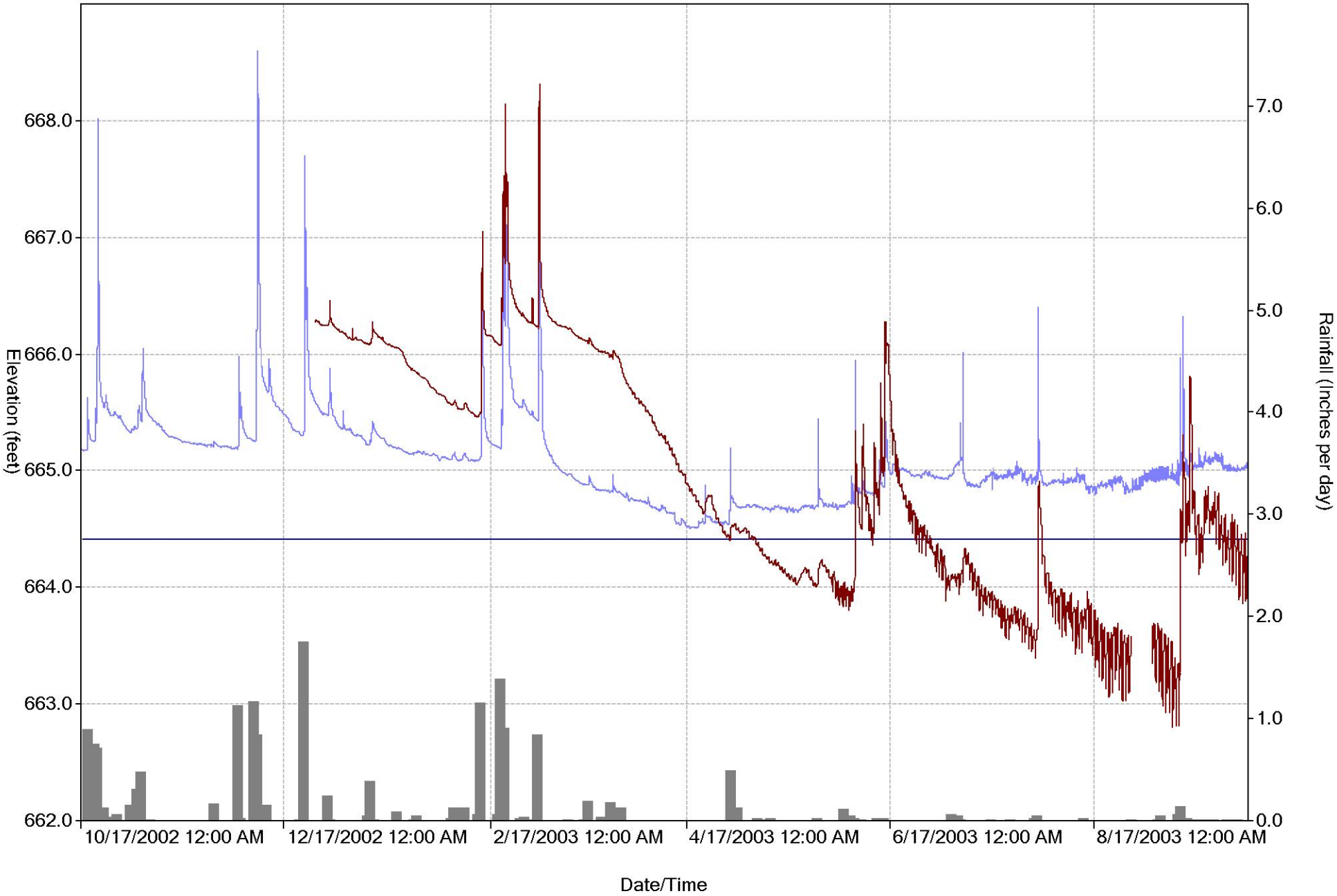
2004/02/09 10:38

Cowhouse Creek at Tank Destroyer Road (CHC1)
Surface Water/ Groundwater/ Rainfall vs Time



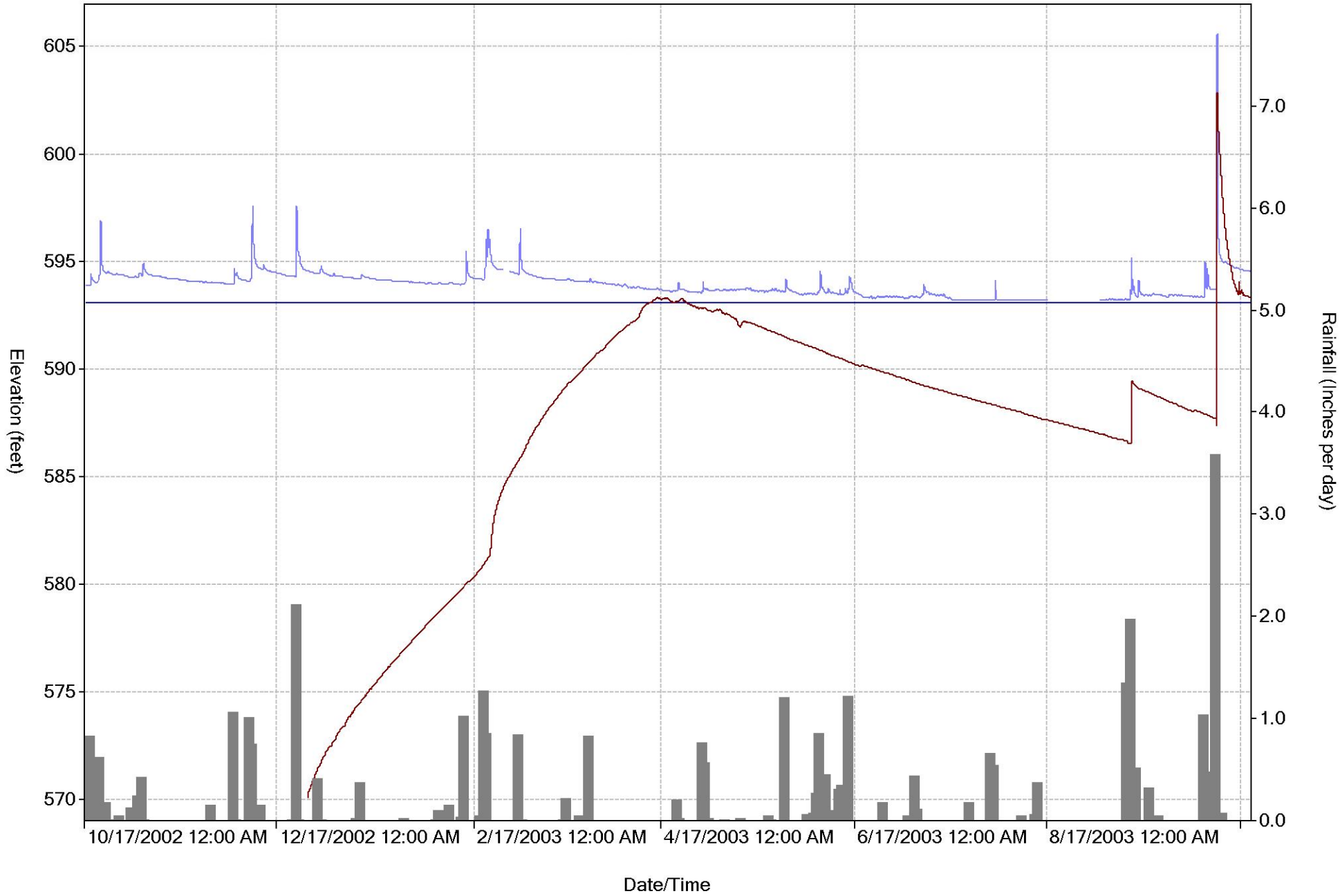
2004/02/09 10:40

Harris Creek at Middle Windsor Road (HC1)
Surface Water/ Groundwater/ Rainfall vs Time



2004/02/09 10:43

Harris Creek near Val Verde Road (HC2)
Surface Water/ Groundwater/ Rainfall vs Time

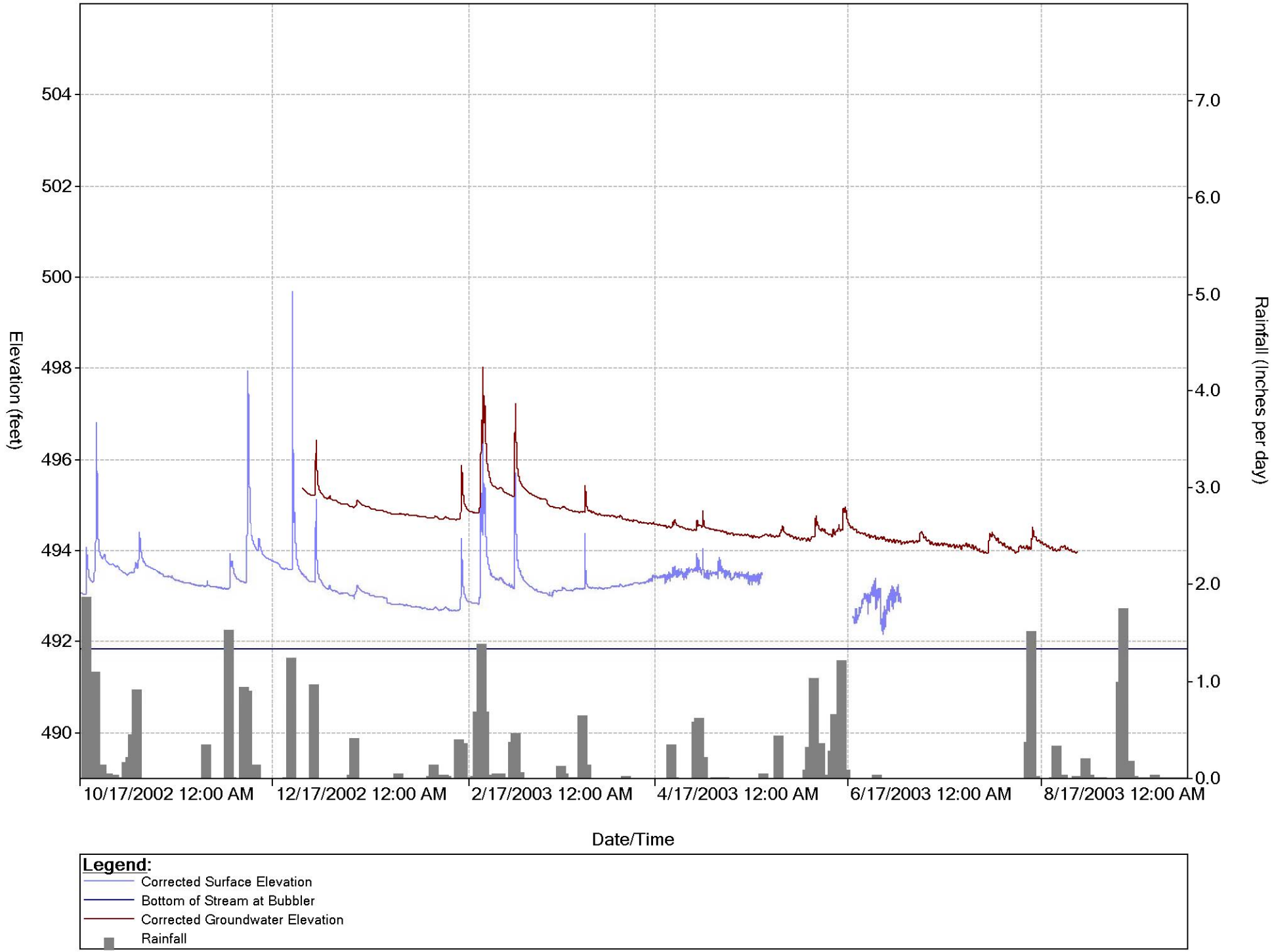


Legend:

- Corrected Surface Elevation
- Bottom of Stream at Bubbler
- Corrected Groundwater Elevation
- Rainfall

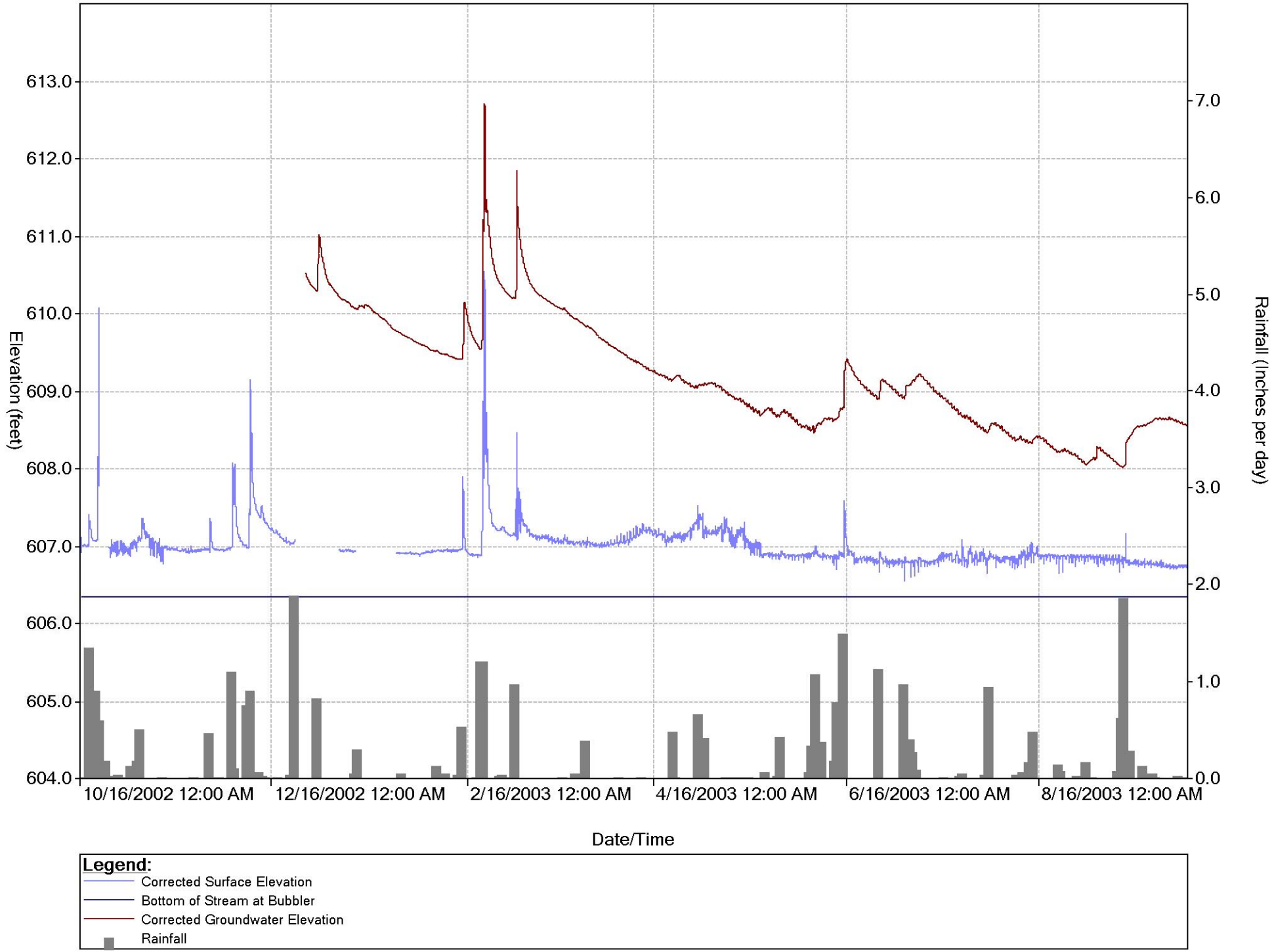
2004/02/09 11:08

South Bosque River at Church Road (SBR3)
Surface Water/ Groundwater/ Rainfall vs Time



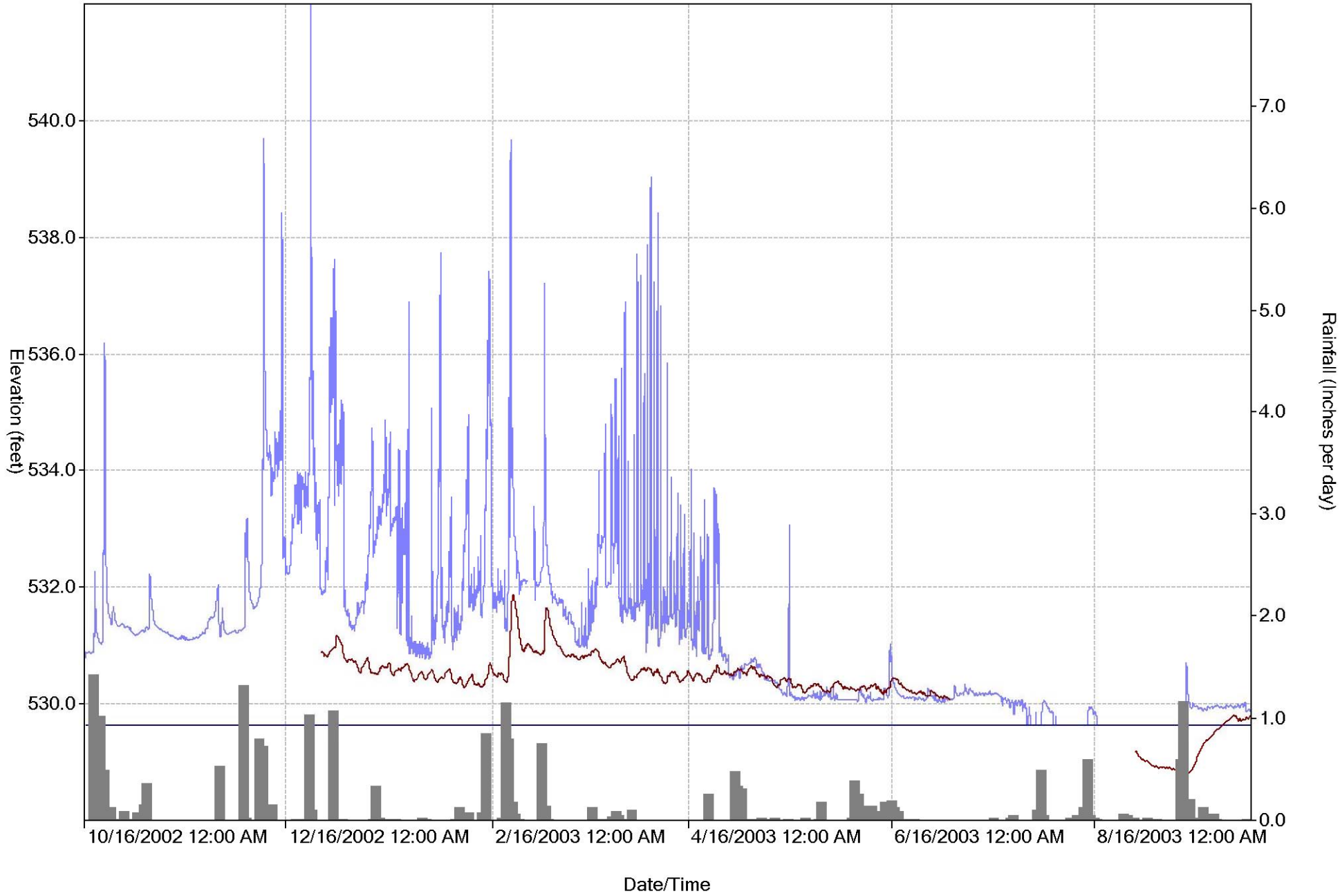
2004/02/09 10:56

South Bosque River at Indian Trail (SBR1)
Surface Water/ Groundwater/ Rainfall vs Time



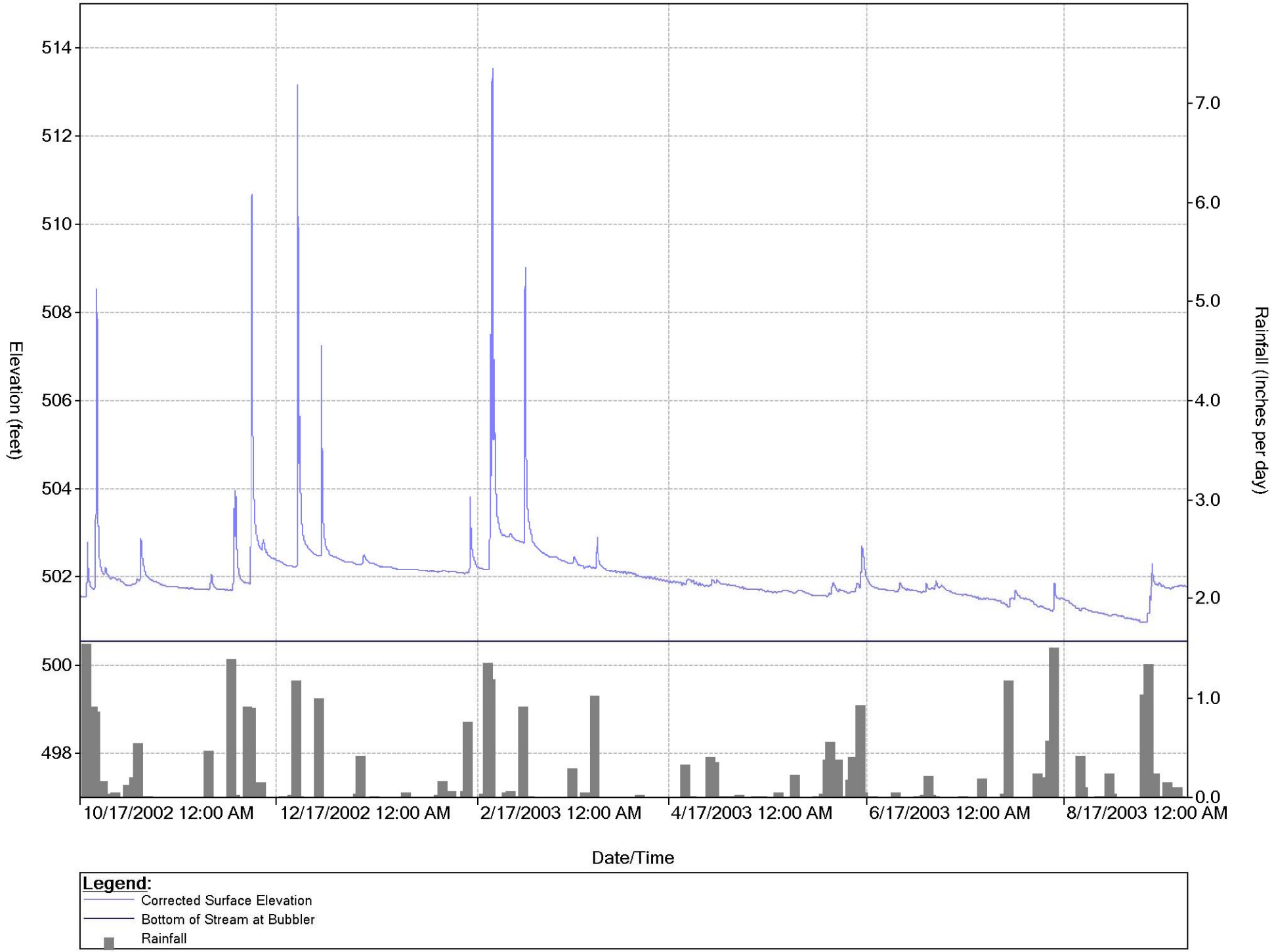
2004/02/09 10:58

South Bosque River near Cotton Belt Parkway (SBR2)
Surface Water/ Groundwater/ Rainfall vs Time



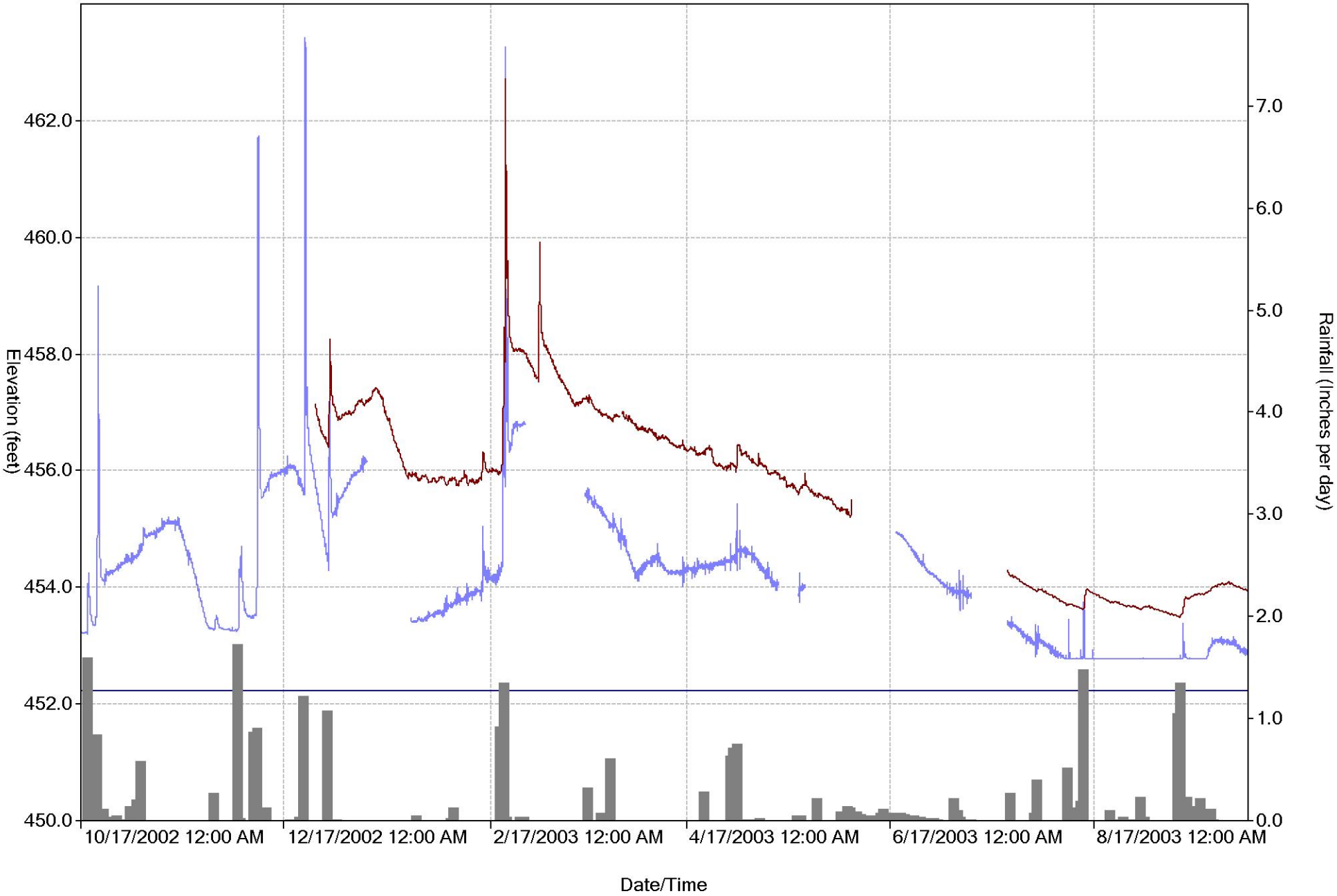
2004/02/09 11:10

South Bosque River near Ruff Road (SBR4)
Surface Water/ Groundwater/ Rainfall vs Time



2004/02/09 11:12

South Bosque River at 84 (SBR5)
Surface Water/ Groundwater/ Rainfall vs Time

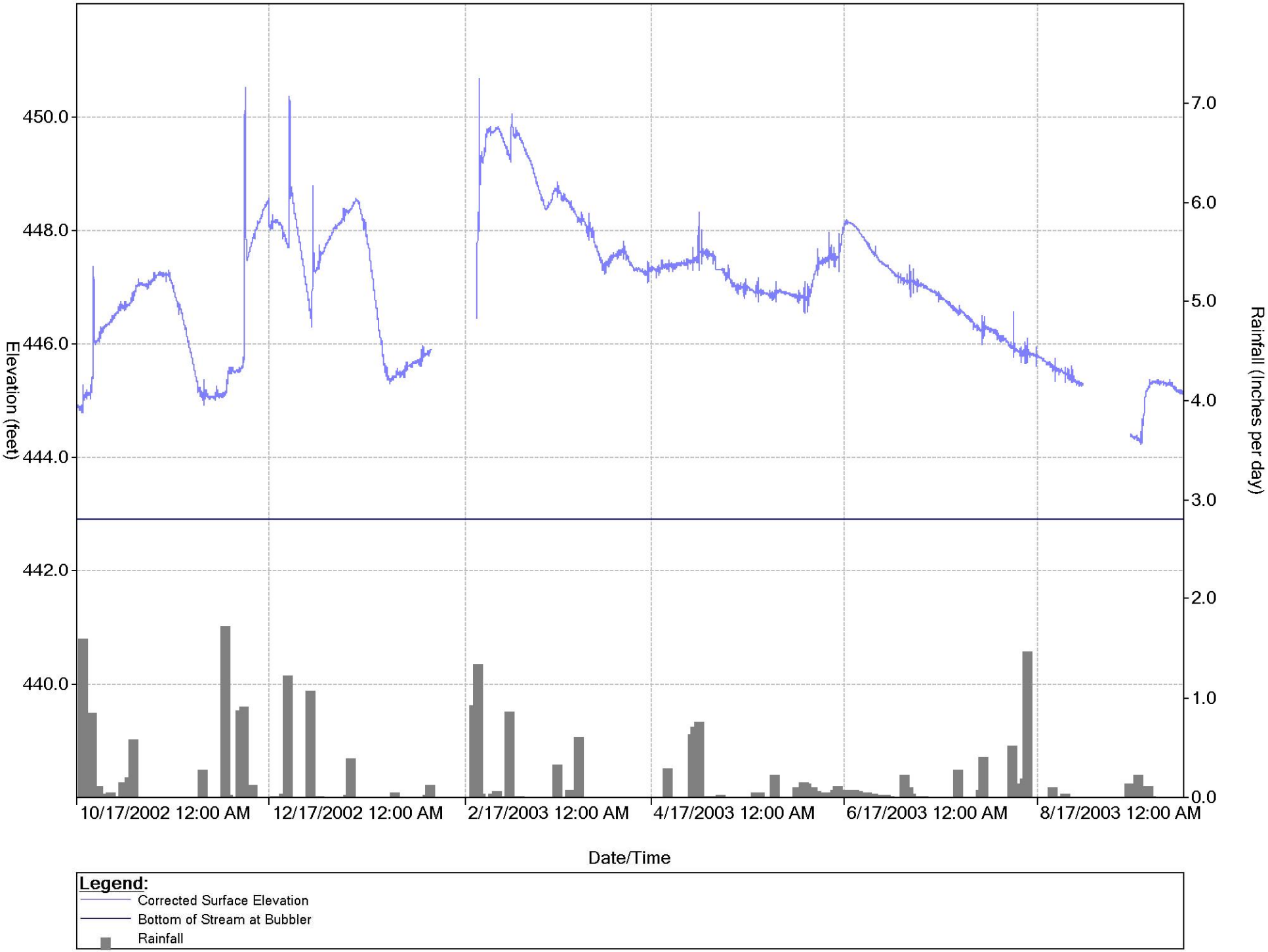


Legend:

- Corrected Surface Elevation
- Bottom of Stream at Bubbler
- Corrected Groundwater Elevation
- Rainfall (MBR1 data used as no rain gauge at SBR5)

2004/02/09 10:48

Middle Bosque River downstream of intersection of South Bosque (MBR1)
Surface Water/ Groundwater/ Rainfall vs Time



Appendix O

LONGITUDINAL MONITORING STATION INFORMATION

Longitudinal Monitoring Station Photographs

Station Creek at A&M Property (SC1)

Tributary M at A&M Property (TRM1)

Station Creek at 107 (SC3)

Onion Creek at 107 (OC1)

Station Creek at Ogelsby Neff Park Road (SC5)

Leon River at 236 (LR1)

Harris Creek at Middle Windsor Road (HC1)

Harris Creek near Val Verde Road (HC2)

South Bosque River at Church Road (SBR3)

South Bosque River at Indian Trail (SBR1)

South Bosque River near Cotton Belt Parkway (SBR2)

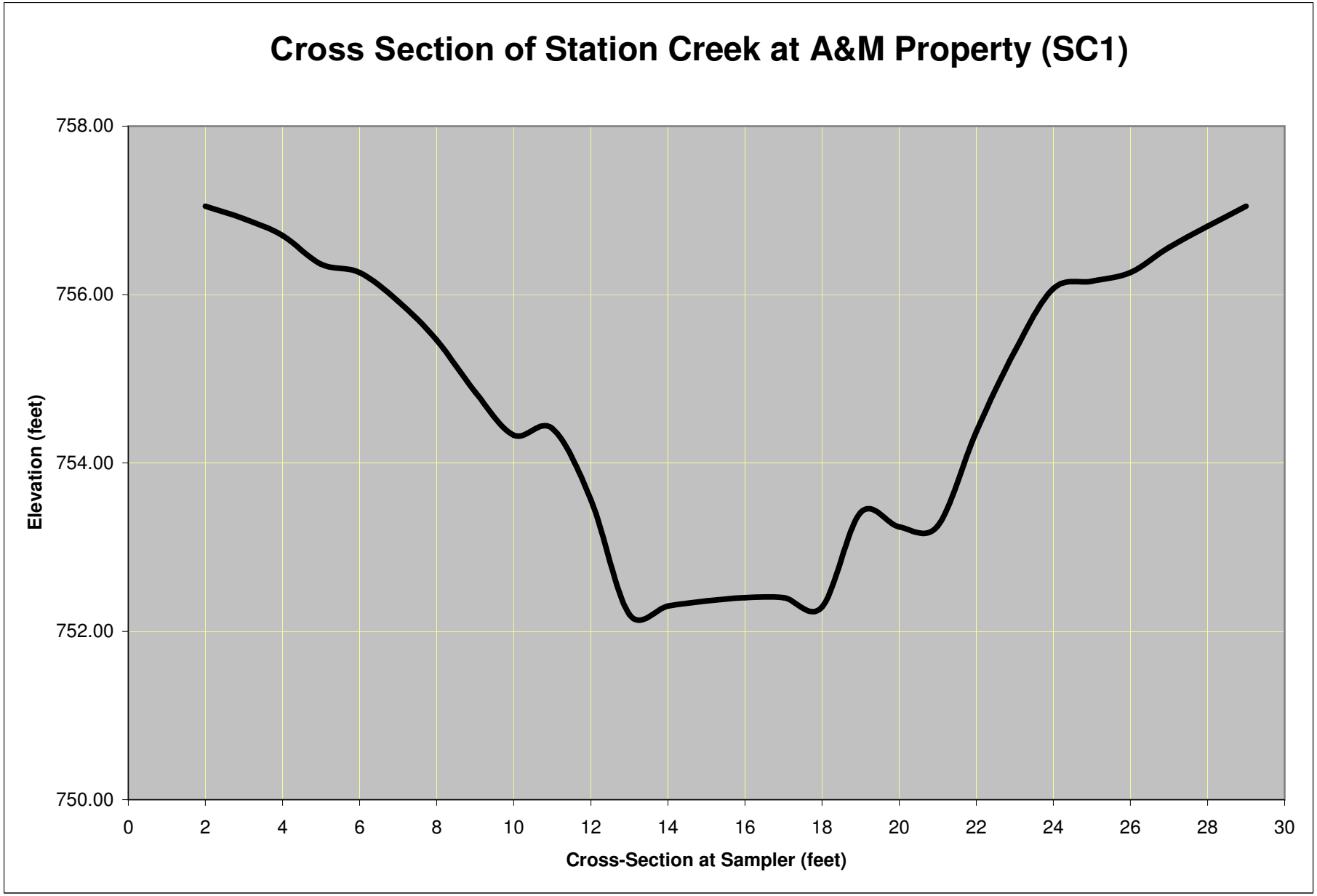
South Bosque River near Ruff Road (SBR4)

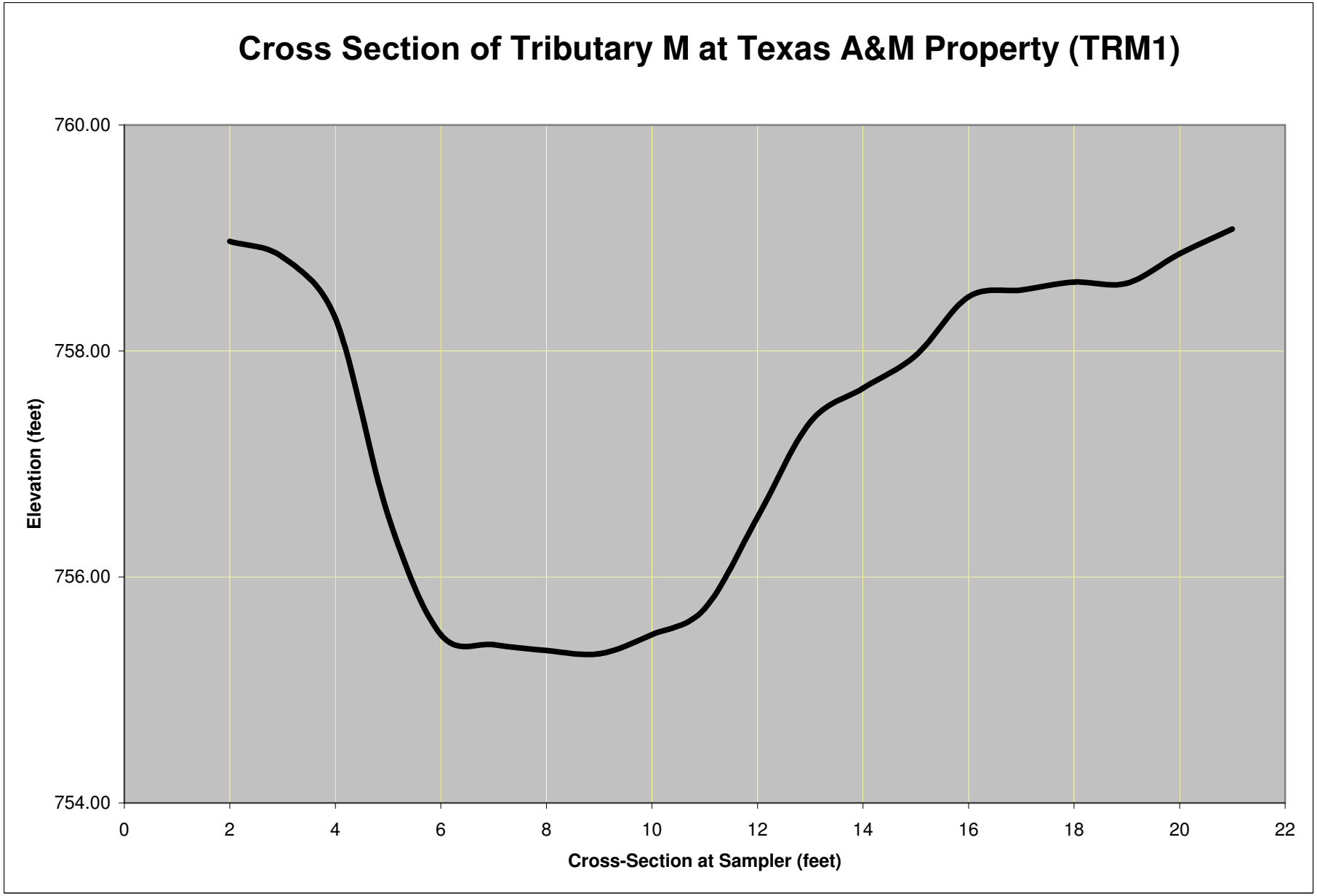
South Bosque River at 84 (SBR5)

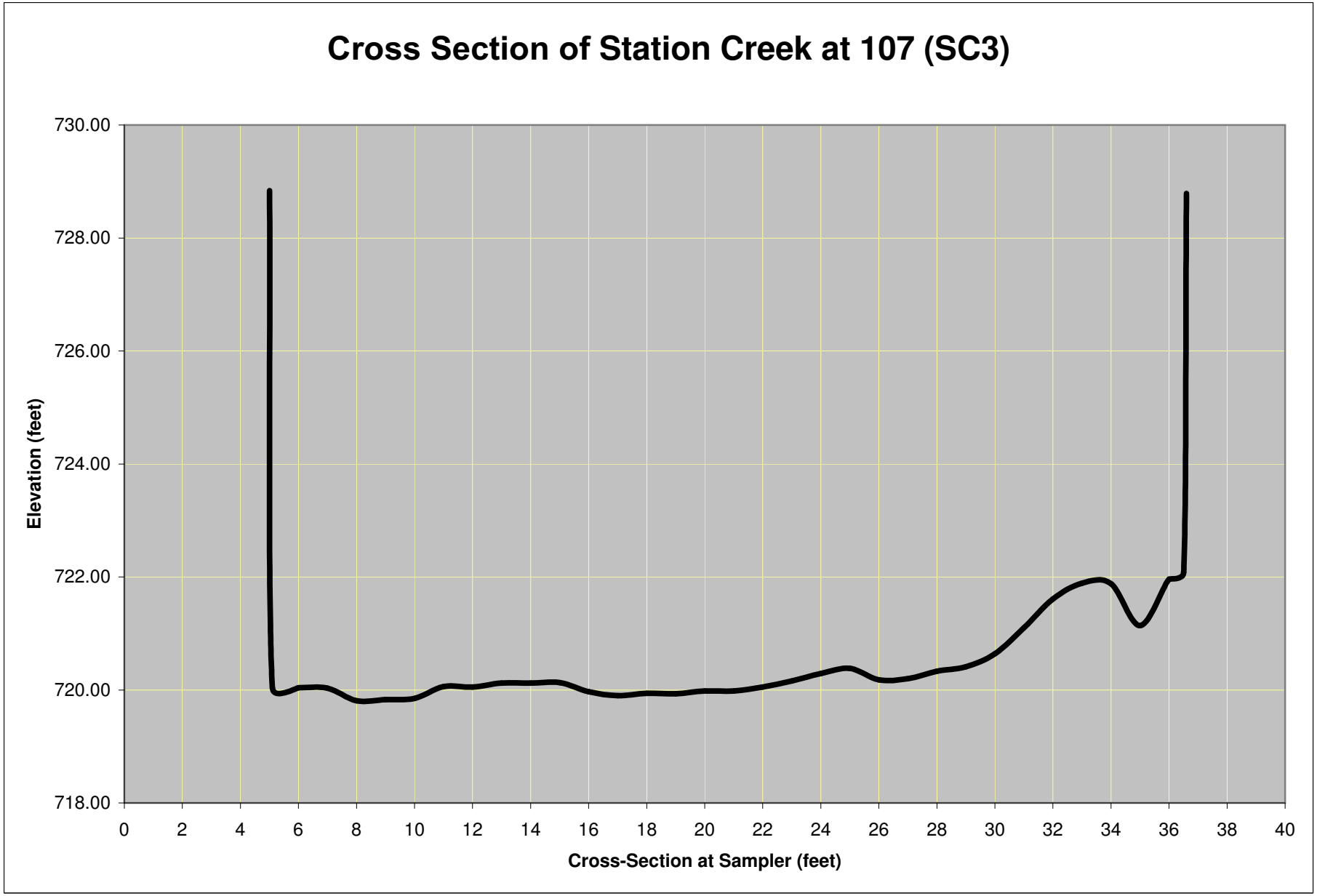
Middle Bosque River downstream of intersection of South Bosque (MBR1)

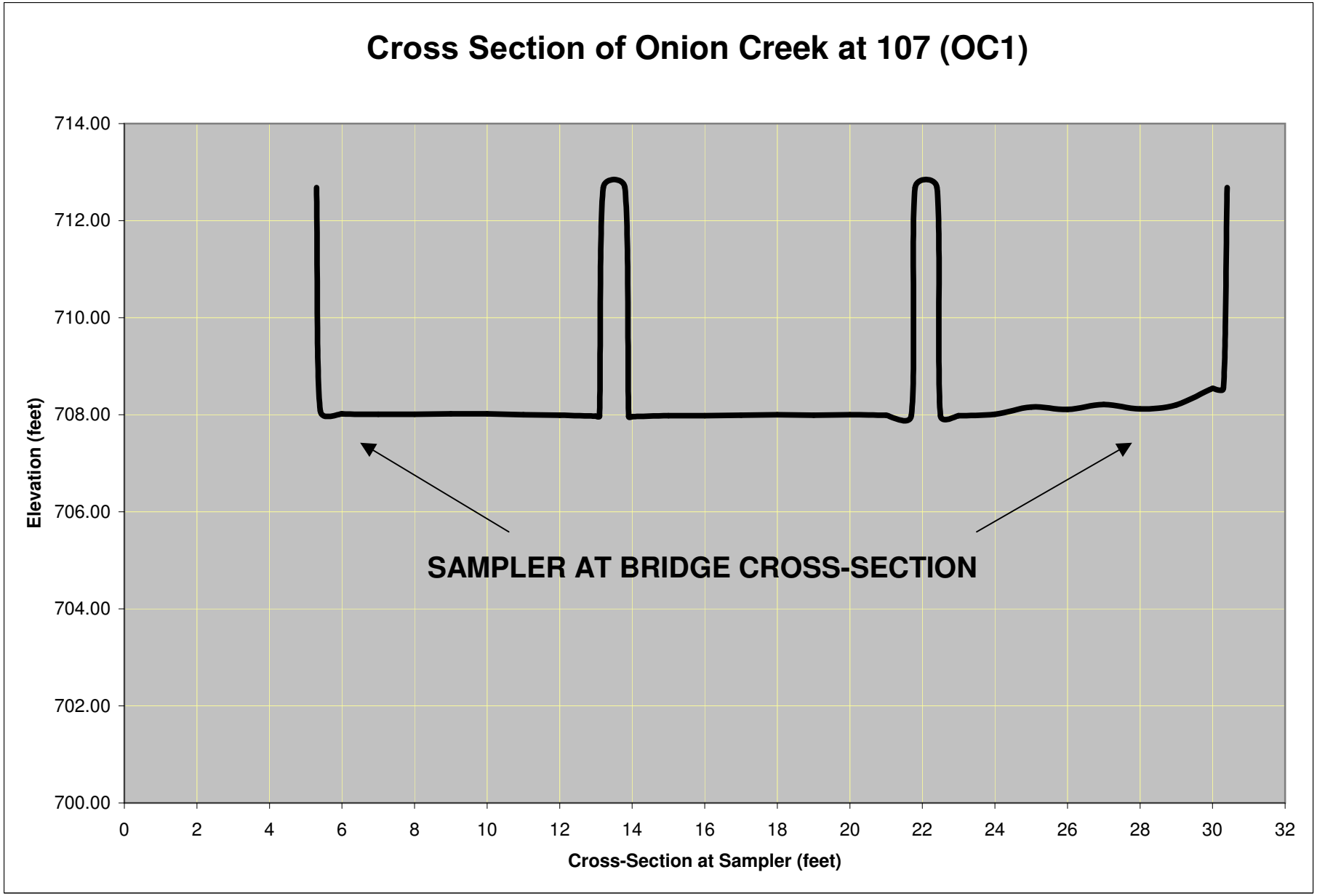
Cowhouse Creek at Tank Destroyer Road (CHC1)

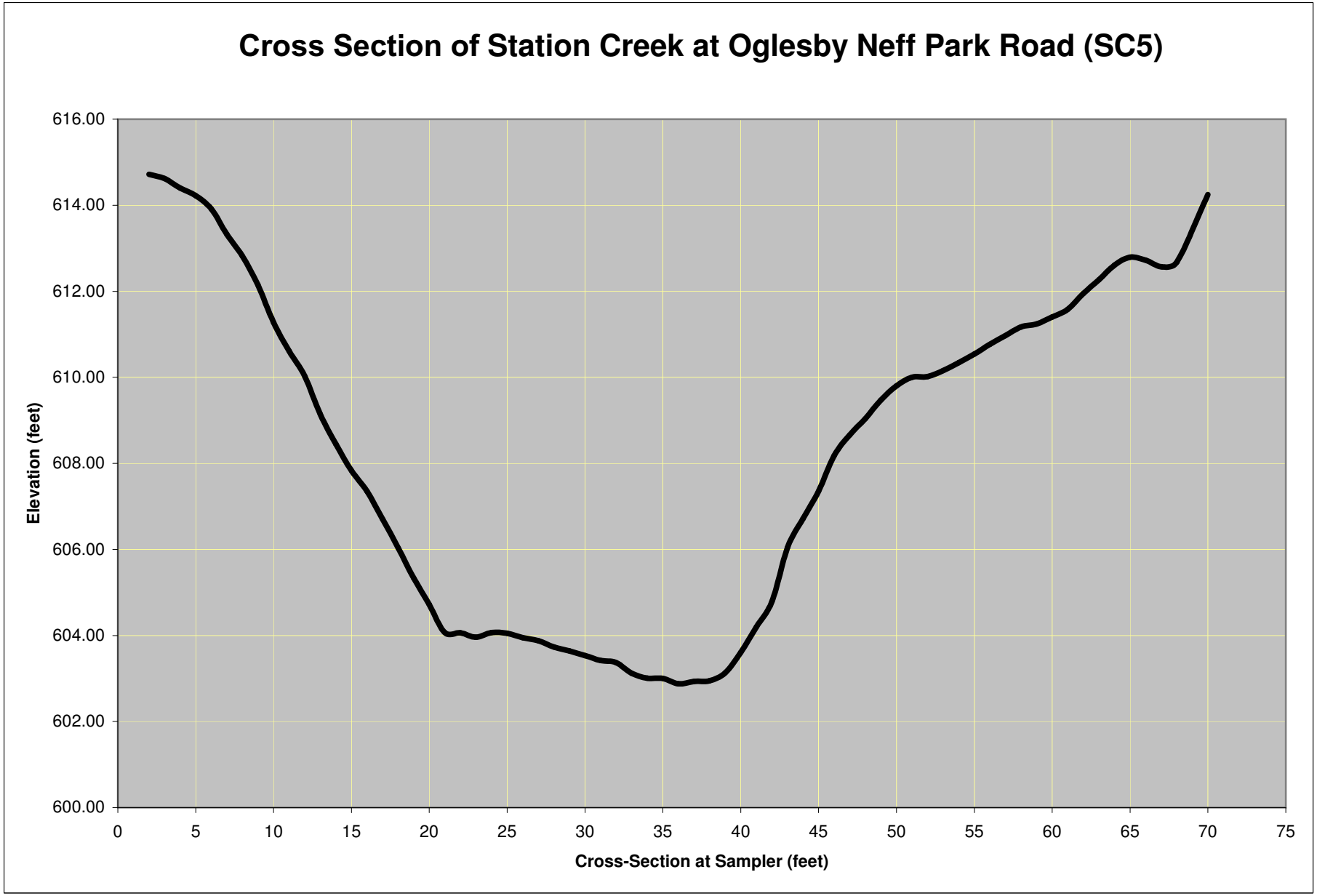
Stream Cross-Sections at Monitoring Stations

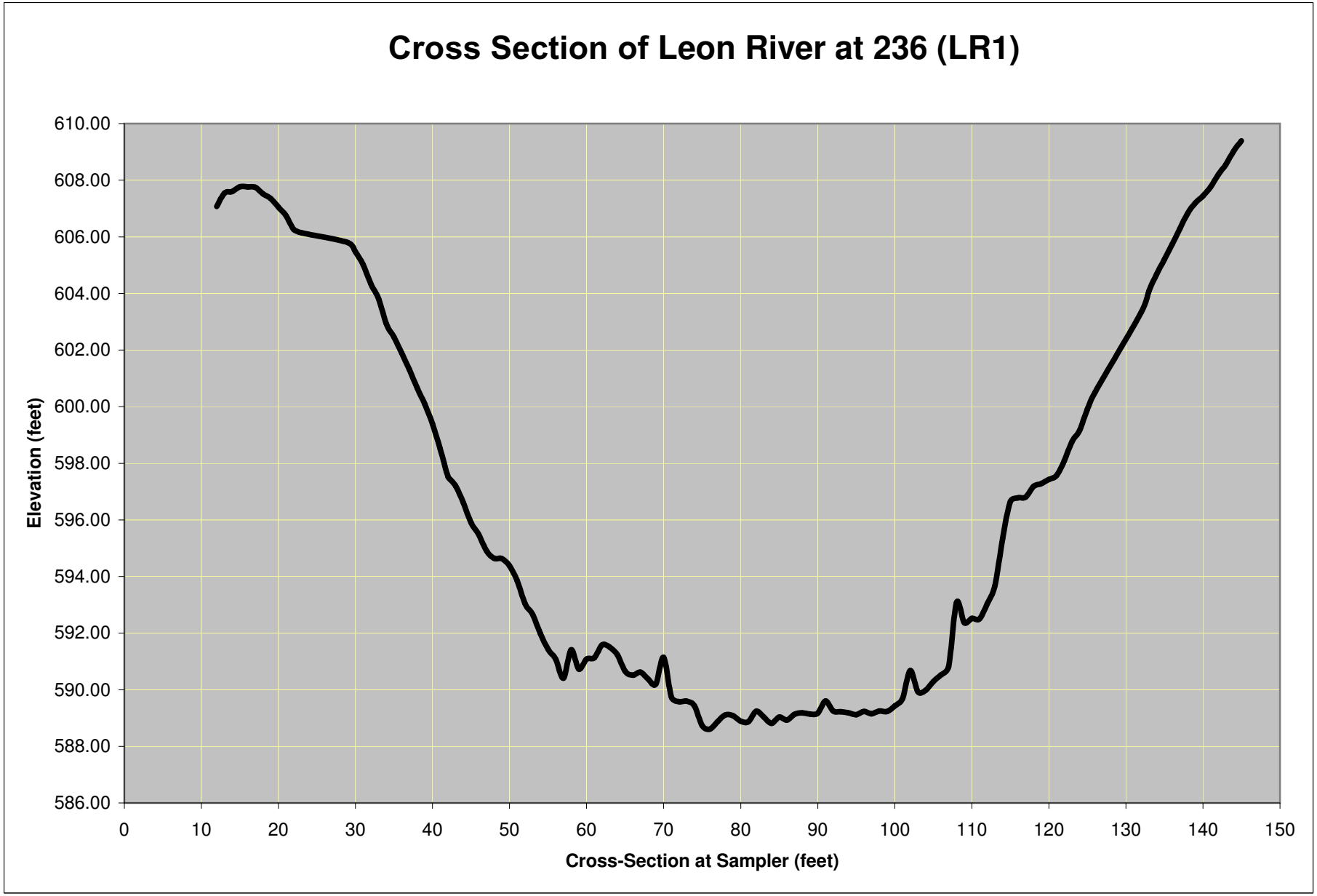

Cross Section of Station Creek at A&M Property (SC1)
758.00
756.00
754.00
752.00
750.00
Elevation (feet)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
Cross-Section at Sampler (feet)

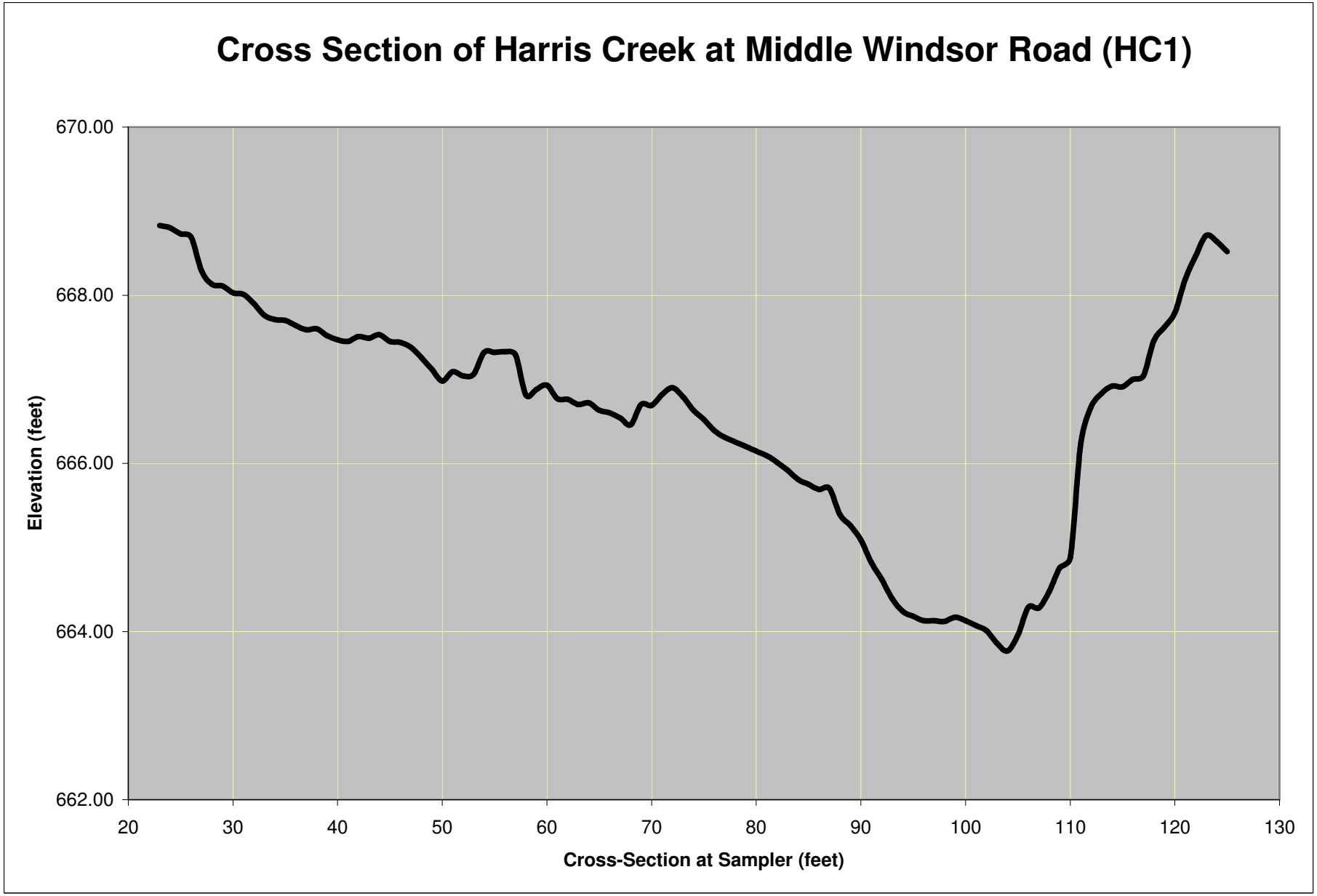

Cross Section of Tributary M at Texas A&M Property (TRM1)
760.00
758.00
756.00
754.00
Elevation (feet)
0
2
4
6
8
10
12
14
16
18
20
22
Cross-Section at Sampler (feet)

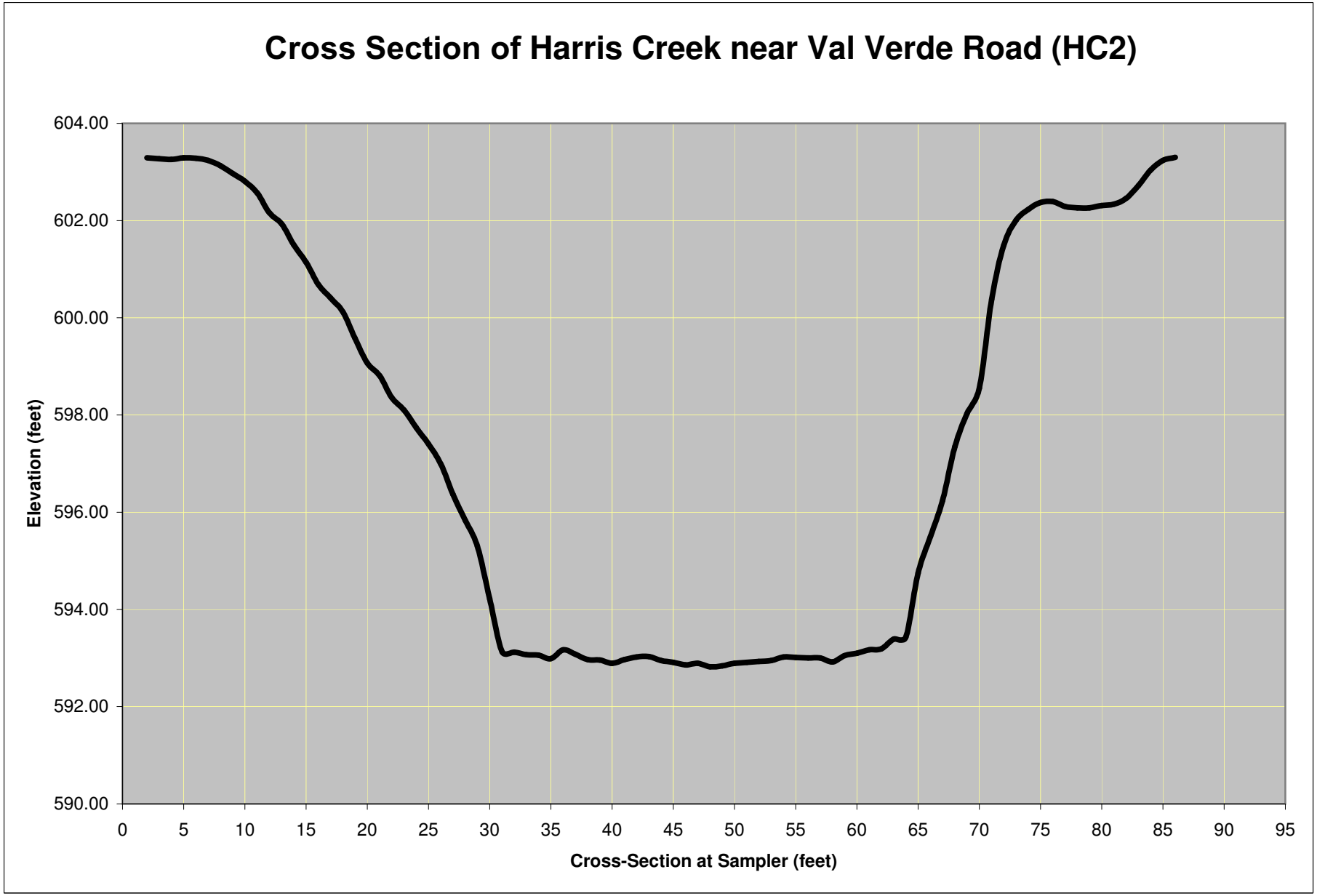

Cross Section of Station Creek at 107 (SC3)
730.00
728.00
726.00
724.00
722.00
720.00
718.00
Elevation (feet)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
Cross-Section at Sampler (feet)

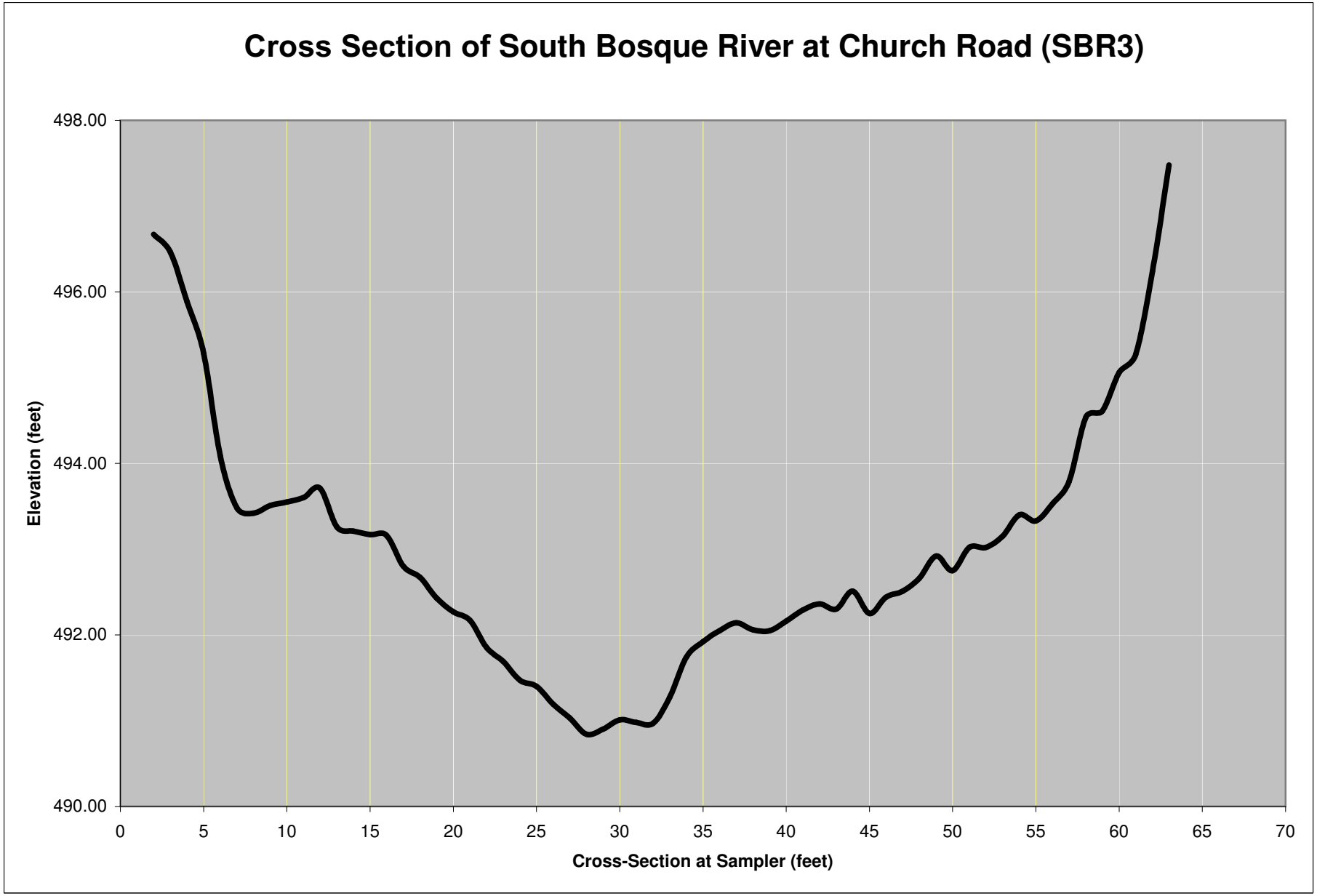

Cross Section of Onion Creek at 107 (OC1)
714.00
712.00
710.00
708.00
706.00
704.00
702.00
700.00
Elevation (feet)
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Cross-Section at Sampler (feet)
SAMPLER AT BRIDGE CROSS-SECTION

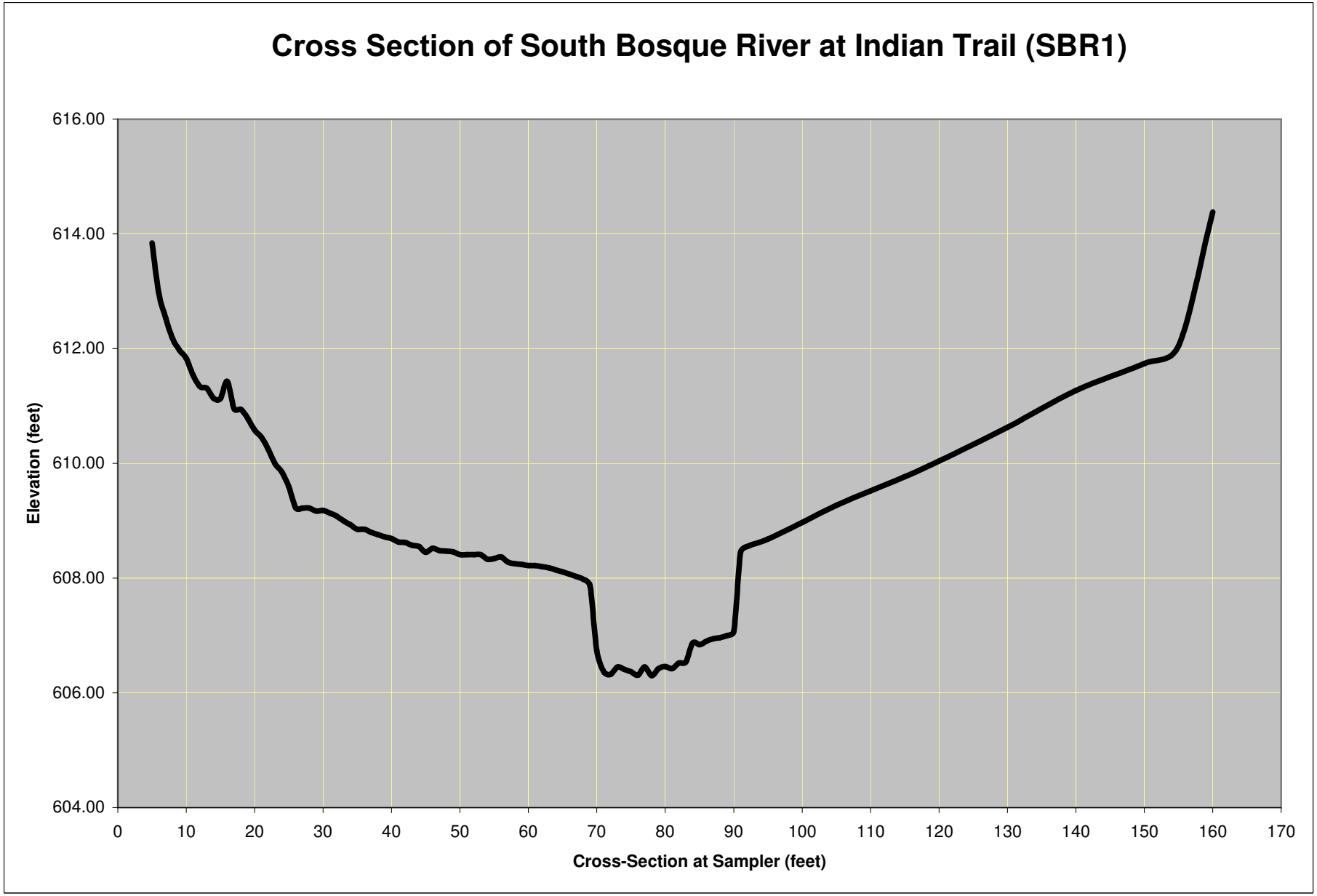

Cross Section of Station Creek at Oglesby Neff Park Road (SC5)
616.00
614.00
612.00
610.00
608.00
606.00
604.00
602.00
600.00
Elevation (feet)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
Cross-Section at Sampler (feet)

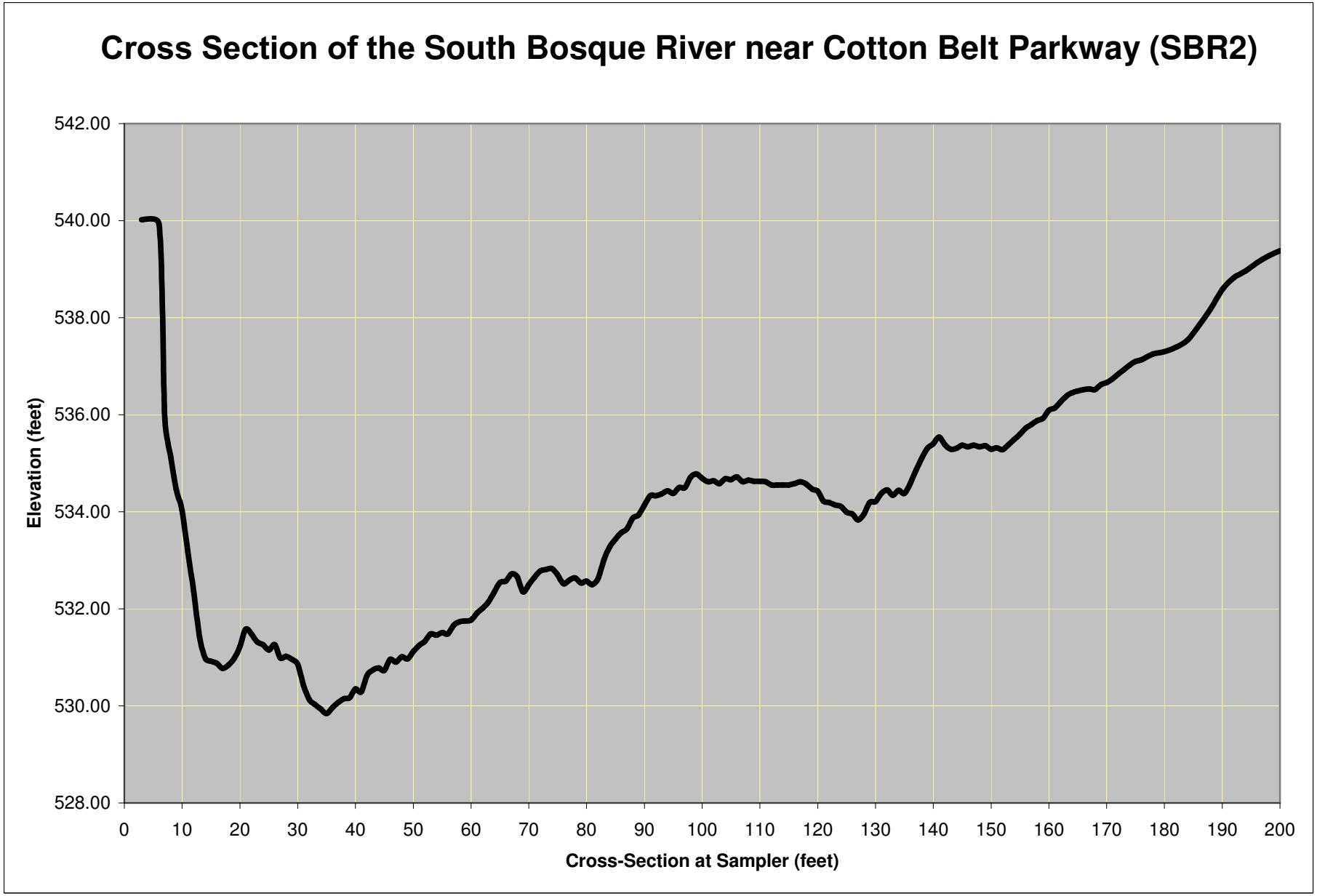

Cross Section of Leon River at 236 (LR1)
Elevation (feet)
610.00
608.00
606.00
604.00
602.00
600.00
598.00
596.00
594.00
592.00
590.00
588.00
586.00
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
Cross-Section at Sampler (feet)

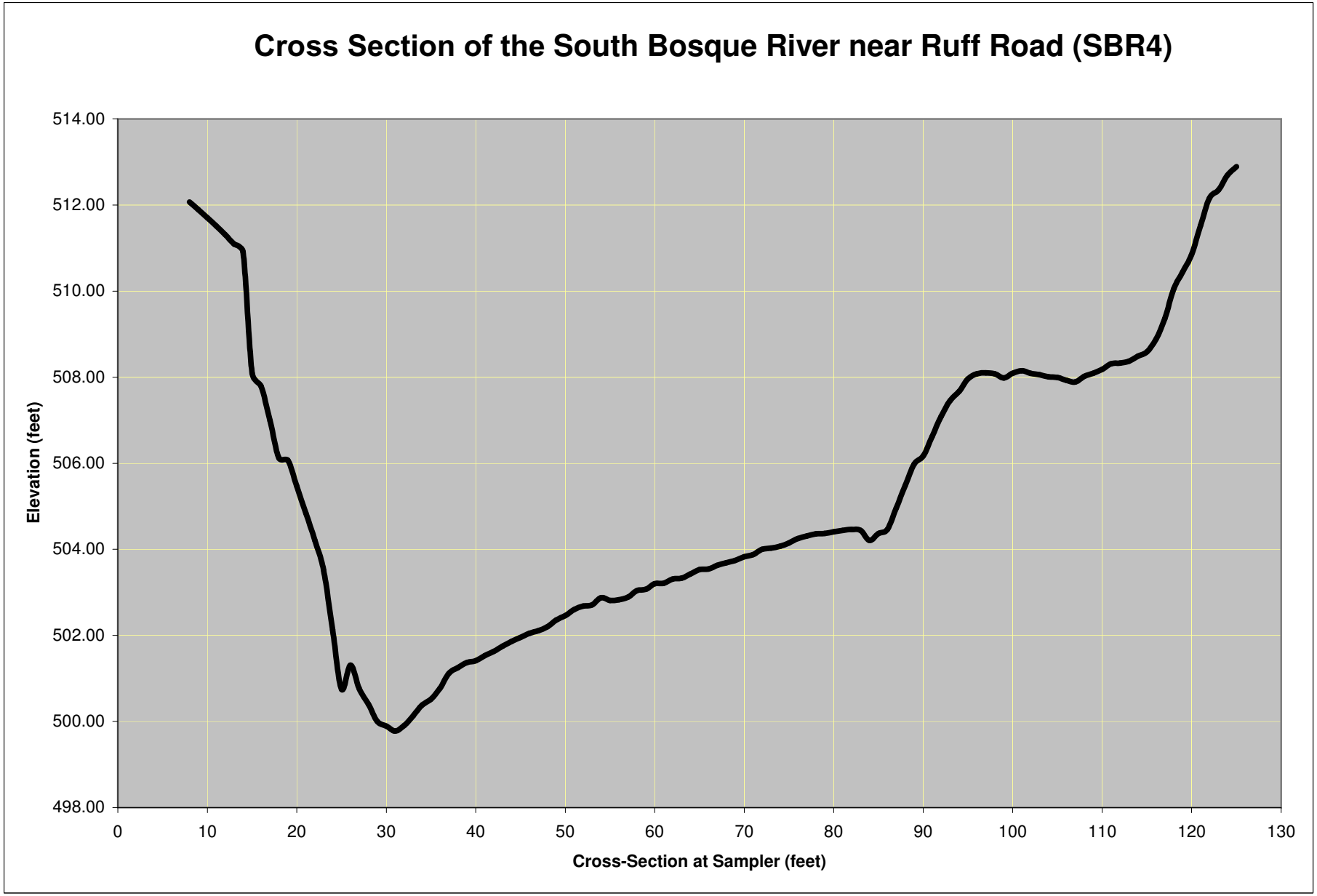

Cross Section of Harris Creek at Middle Windsor Road (HC1)
670.00
668.00
666.00
664.00
662.00
Elevation (feet)
20
30
40
50
60
70
80
90
100
110
120
130
Cross-Section at Sampler (feet)

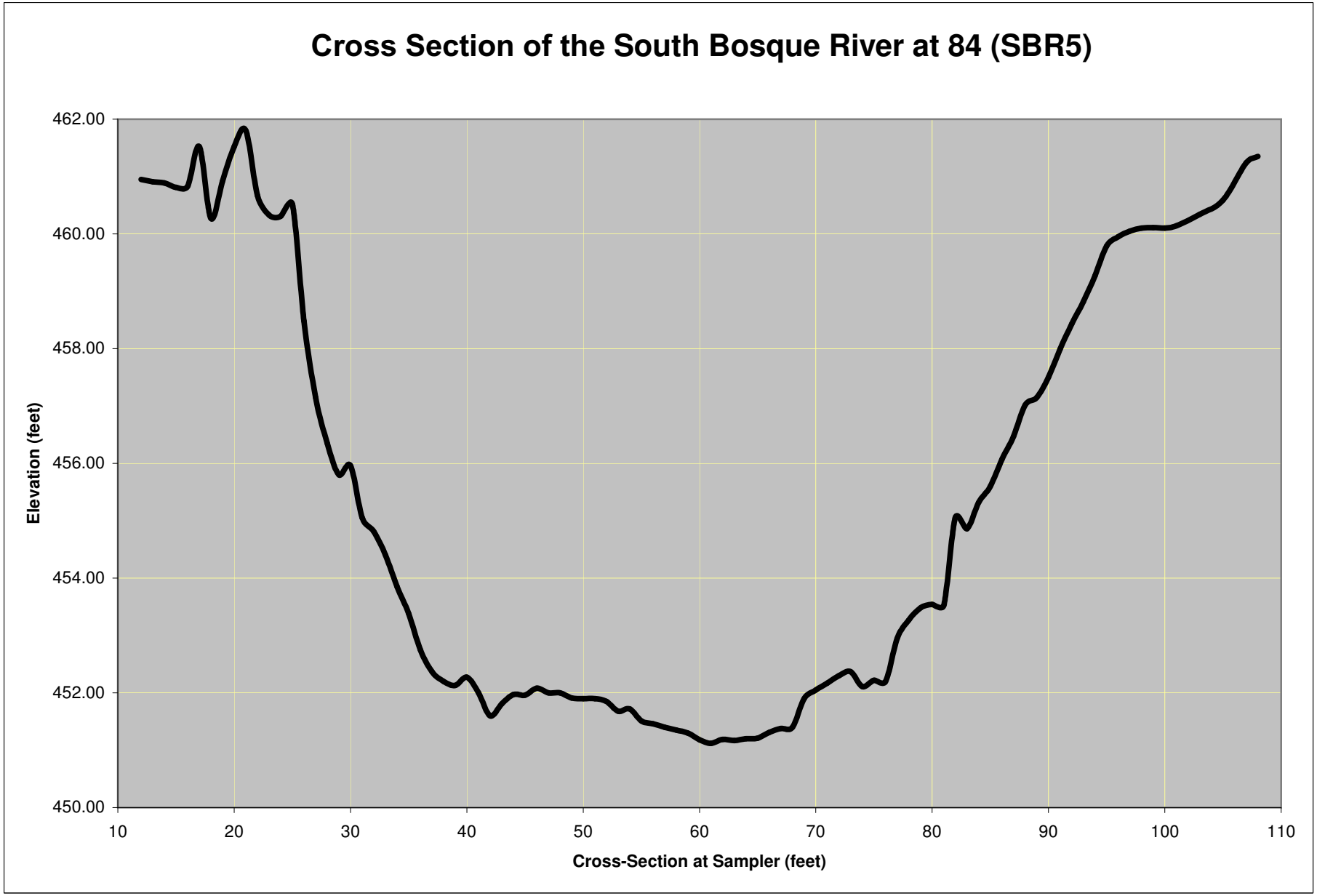

Cross Section of Harris Creek near Val Verde Road (HC2)
604.00
602.00
600.00
598.00
596.00
594.00
592.00
590.00
Elevation (feet)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
Cross-Section at Sampler (feet)

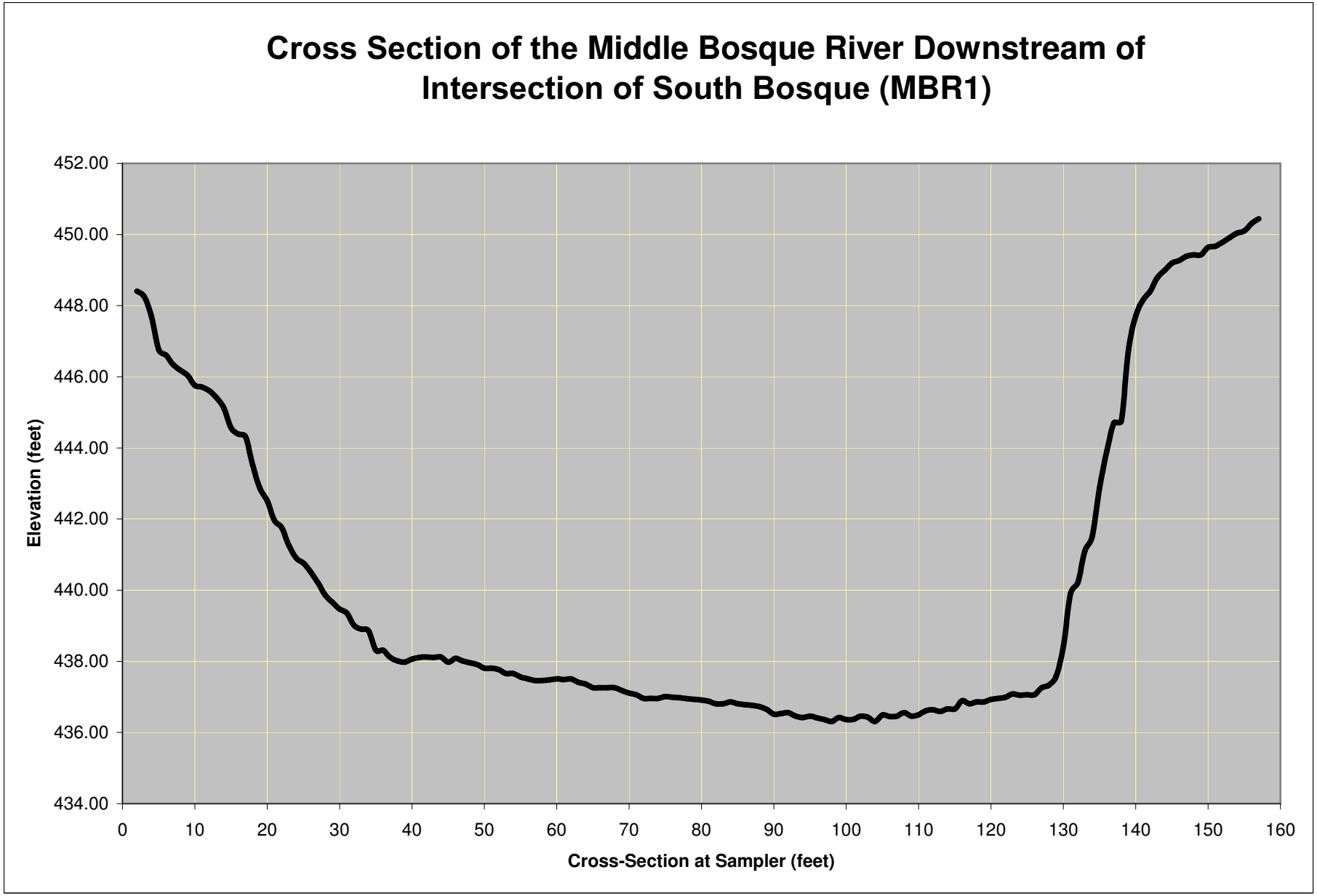

Cross Section of South Bosque River at Church Road (SBR3)
498.00
496.00
494.00
492.00
490.00
Elevation (feet)
0
5
10
15
20
25
30
35
40
45
50
55
60
65
70
Cross-Section at Sampler (feet)

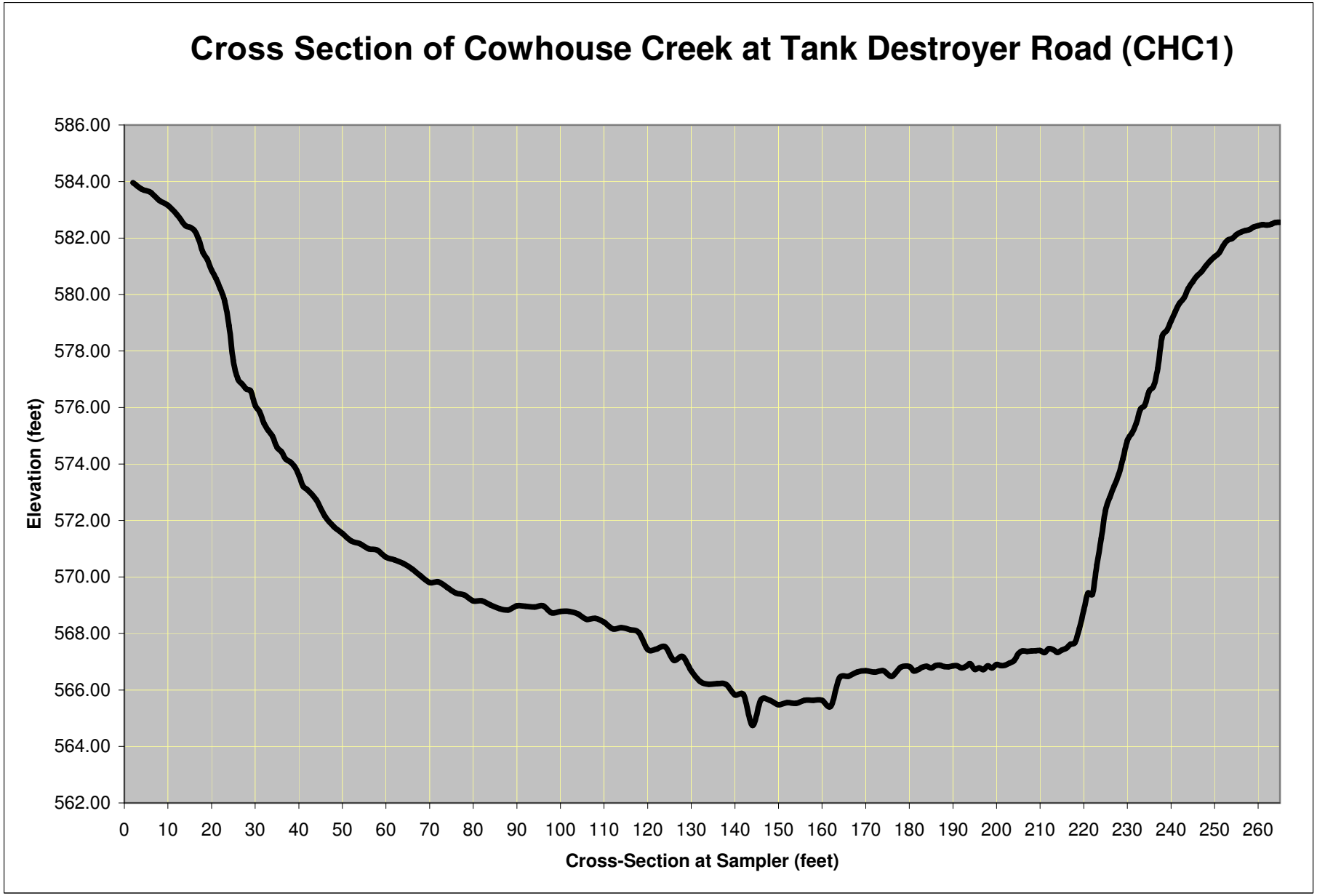

Cross Section of South Bosque River at Indian Trail (SBR1)
616.00
614.00
612.00
610.00
608.00
606.00
604.00
Elevation (feet)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
Cross-Section at Sampler (feet)


Cross Section of the South Bosque River near Cotton Belt Parkway (SBR2)
542.00
540.00
538.00
536.00
534.00
532.00
530.00
528.00
Elevation (feet)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
190
200
Cross-Section at Sampler (feet)

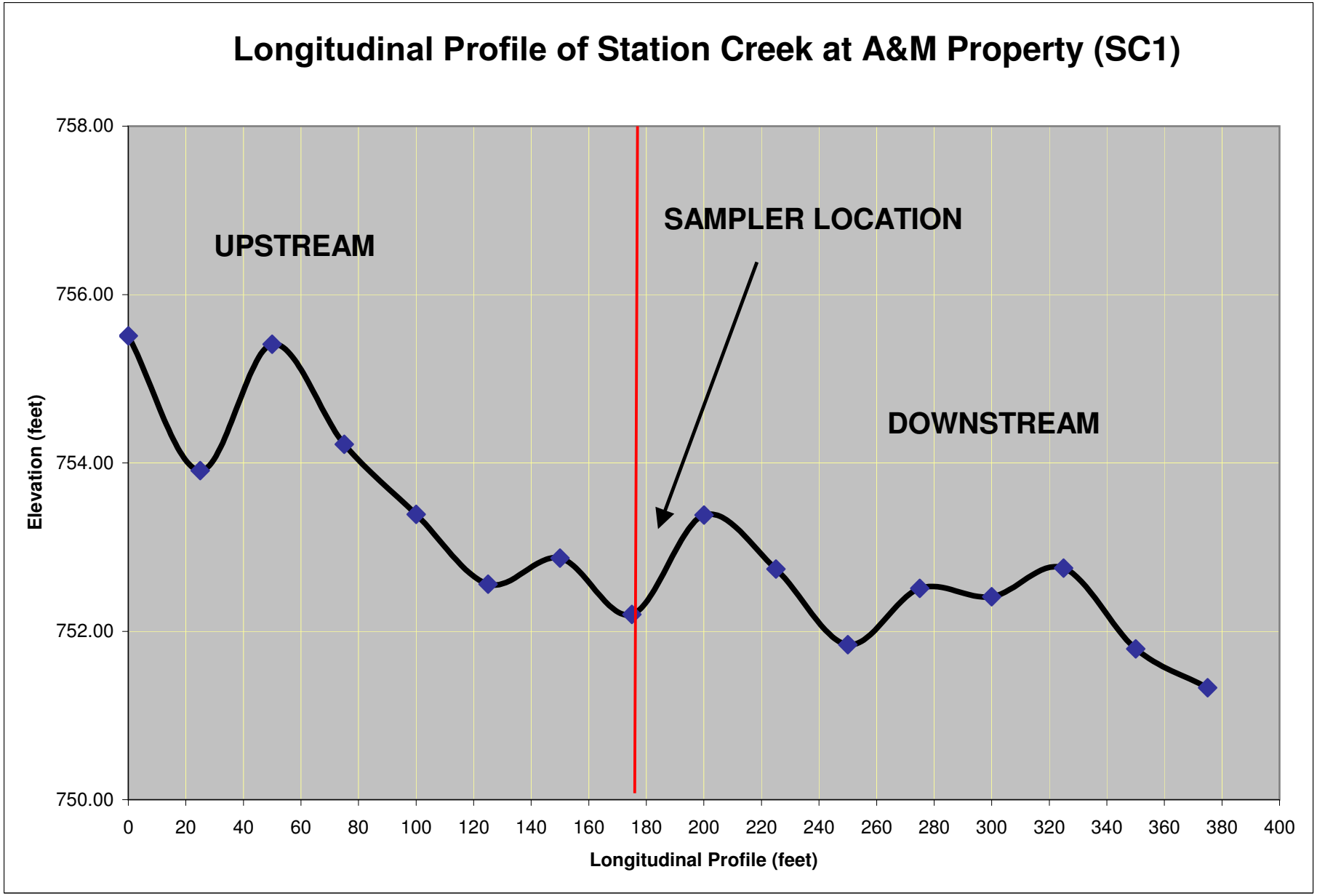

Cross Section of the South Bosque River near Ruff Road (SBR4)
514.00
512.00
510.00
508.00
506.00
504.00
502.00
500.00
498.00
Elevation (feet)
0
10
20
30
40
50
60
70
80
90
100
110
120
130
Cross-Section at Sampler (feet)

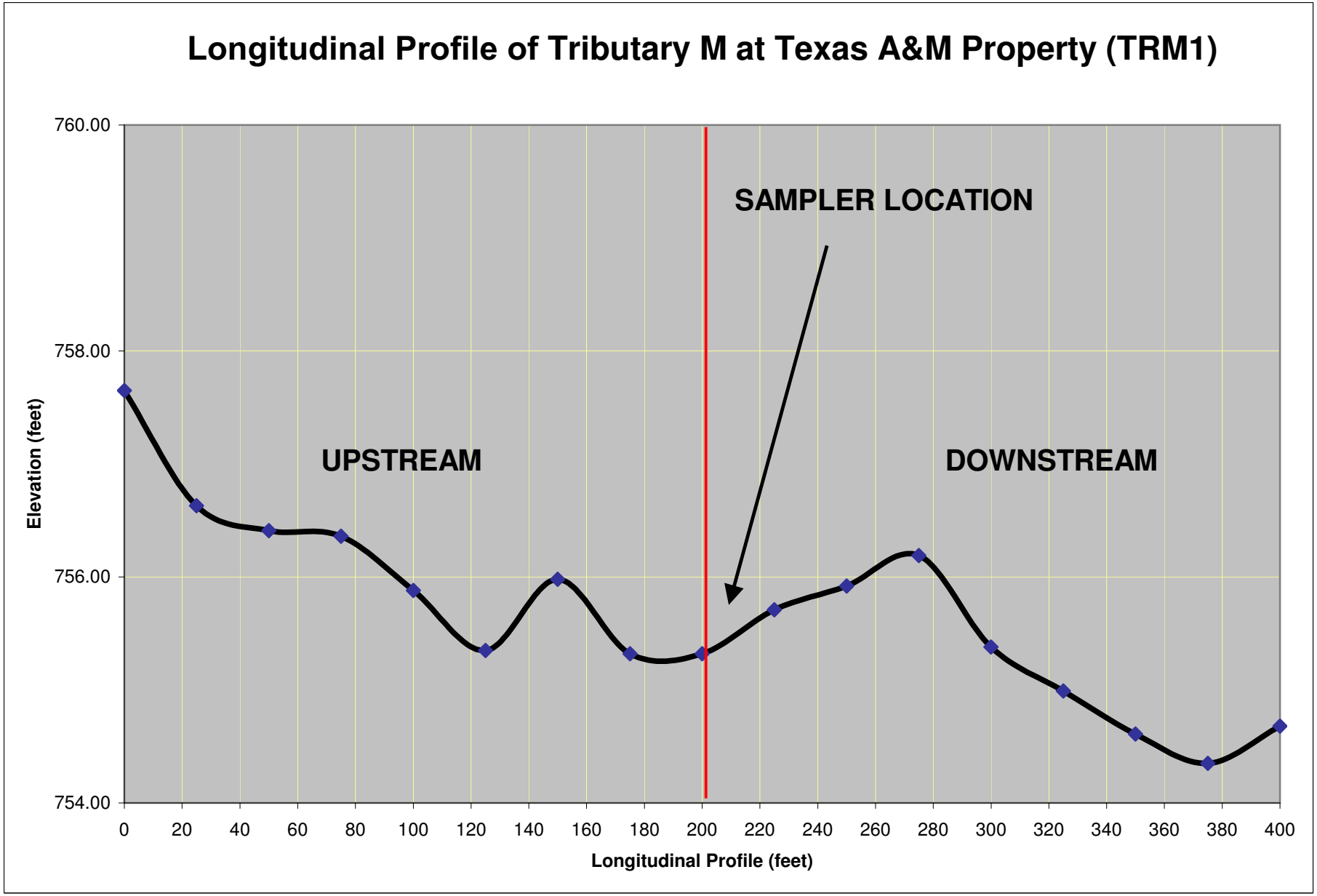

Cross Section of the South Bosque River at 84 (SBR5)
462.00
460.00
458.00
456.00
454.00
452.00
450.00
Elevation (feet)
10
20
30
40
50
60
70
80
90
100
110
Cross-Section at Sampler (feet)

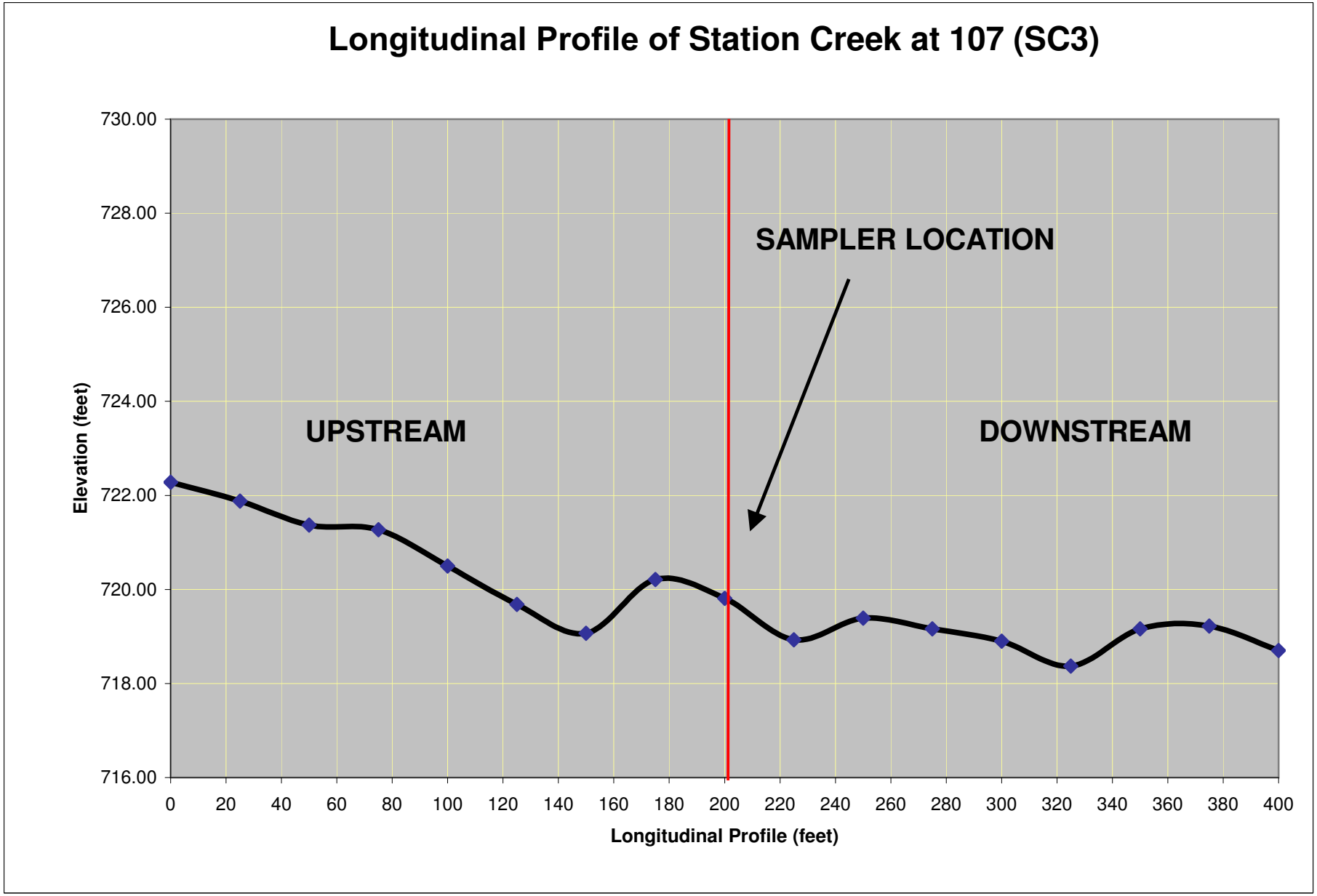

Cross Section of the Middle Bosque River Downstream of Intersection of South Bosque (MBR1)
Elevation (feet)
452.00
450.00
448.00
446.00
444.00
442.00
440.00
438.00
436.00
434.00
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
Cross-Section at Sampler (feet)

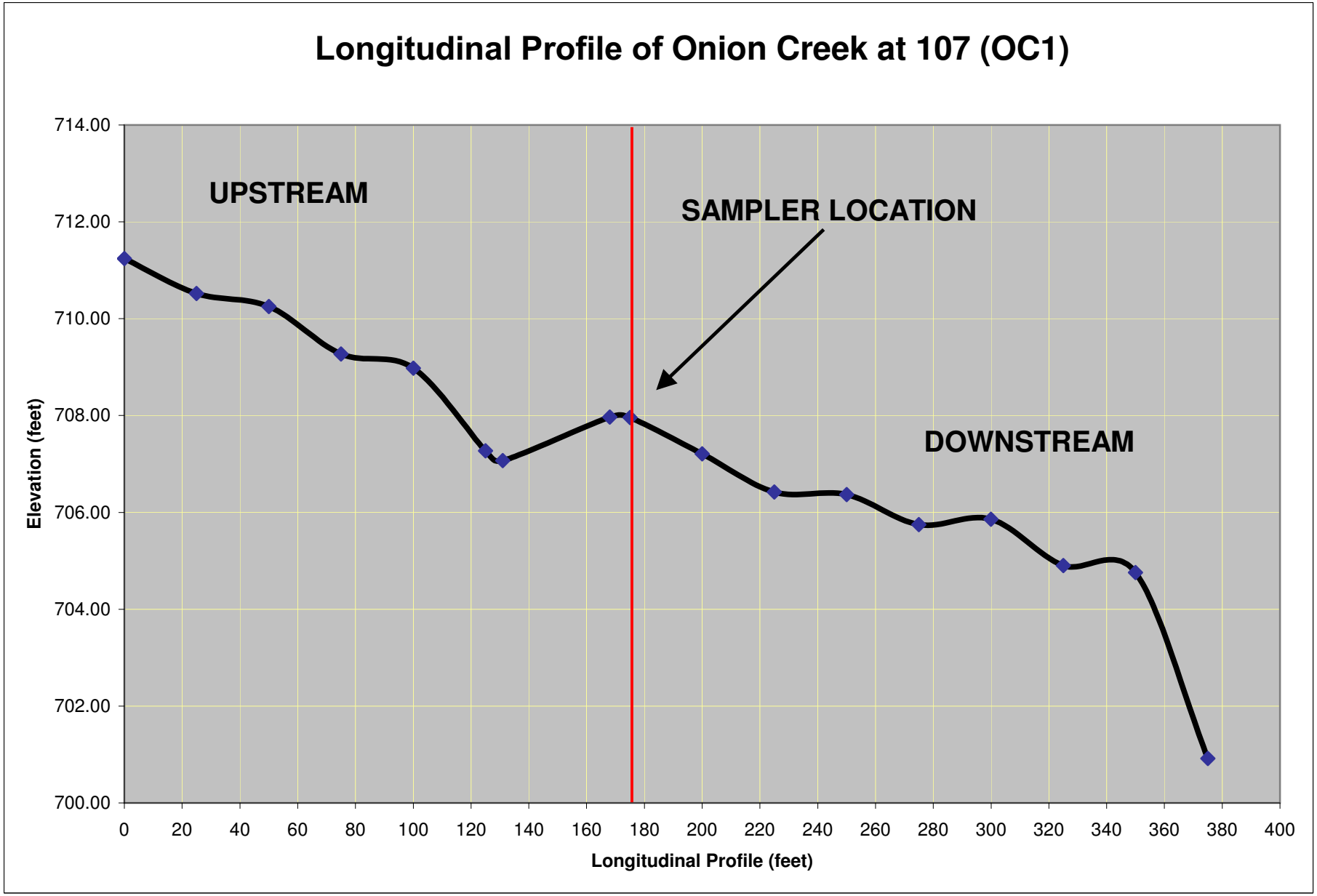

Cross Section of Cowhouse Creek at Tank Destroyer Road (CHC1)
586.00
584.00
582.00
580.00
578.00
576.00
574.00
572.00
570.00
568.00
566.00
564.00
562.00
Elevation (feet)
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260
Cross-Section at Sampler (feet)

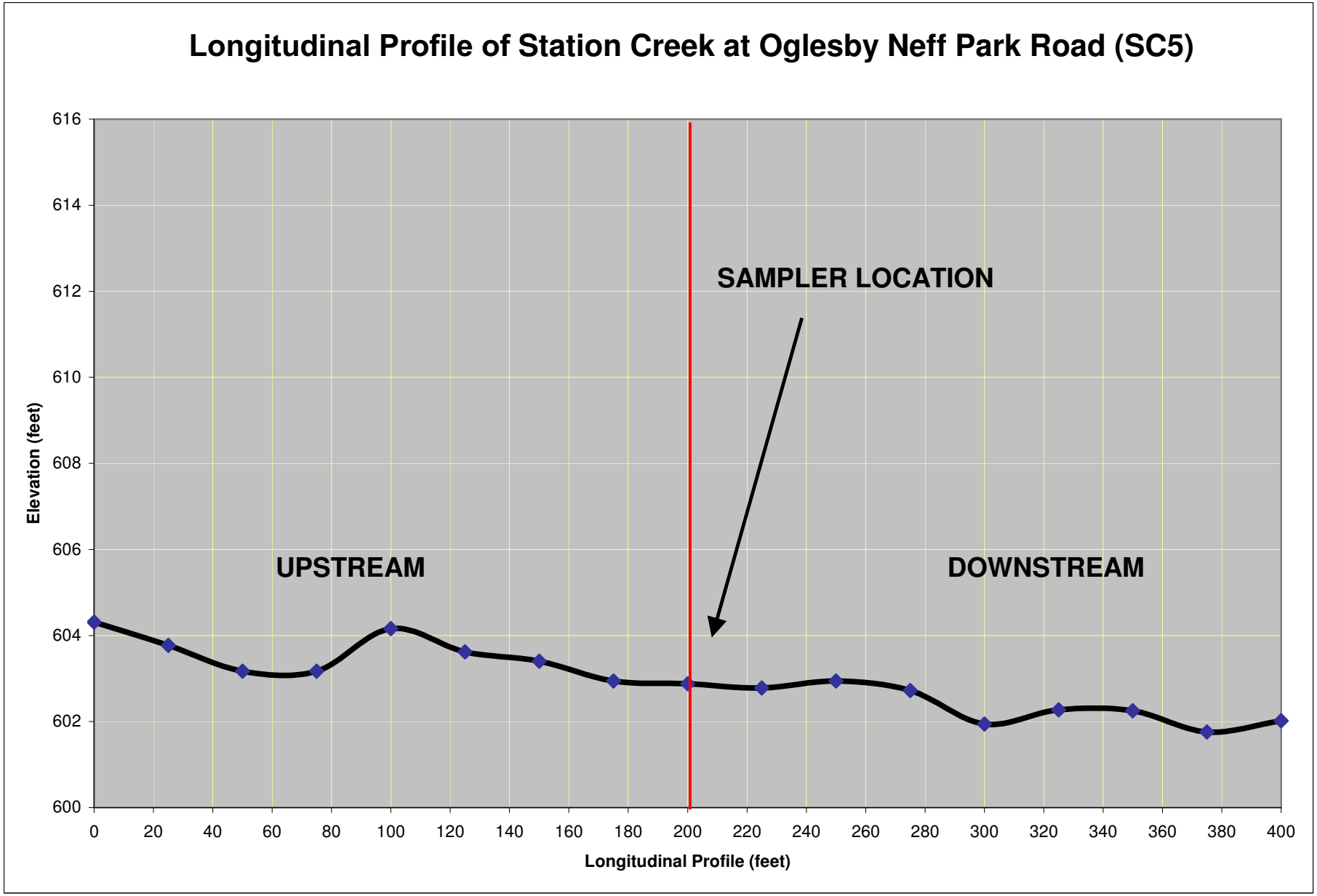
Stream Profiles at Monitoring Stations

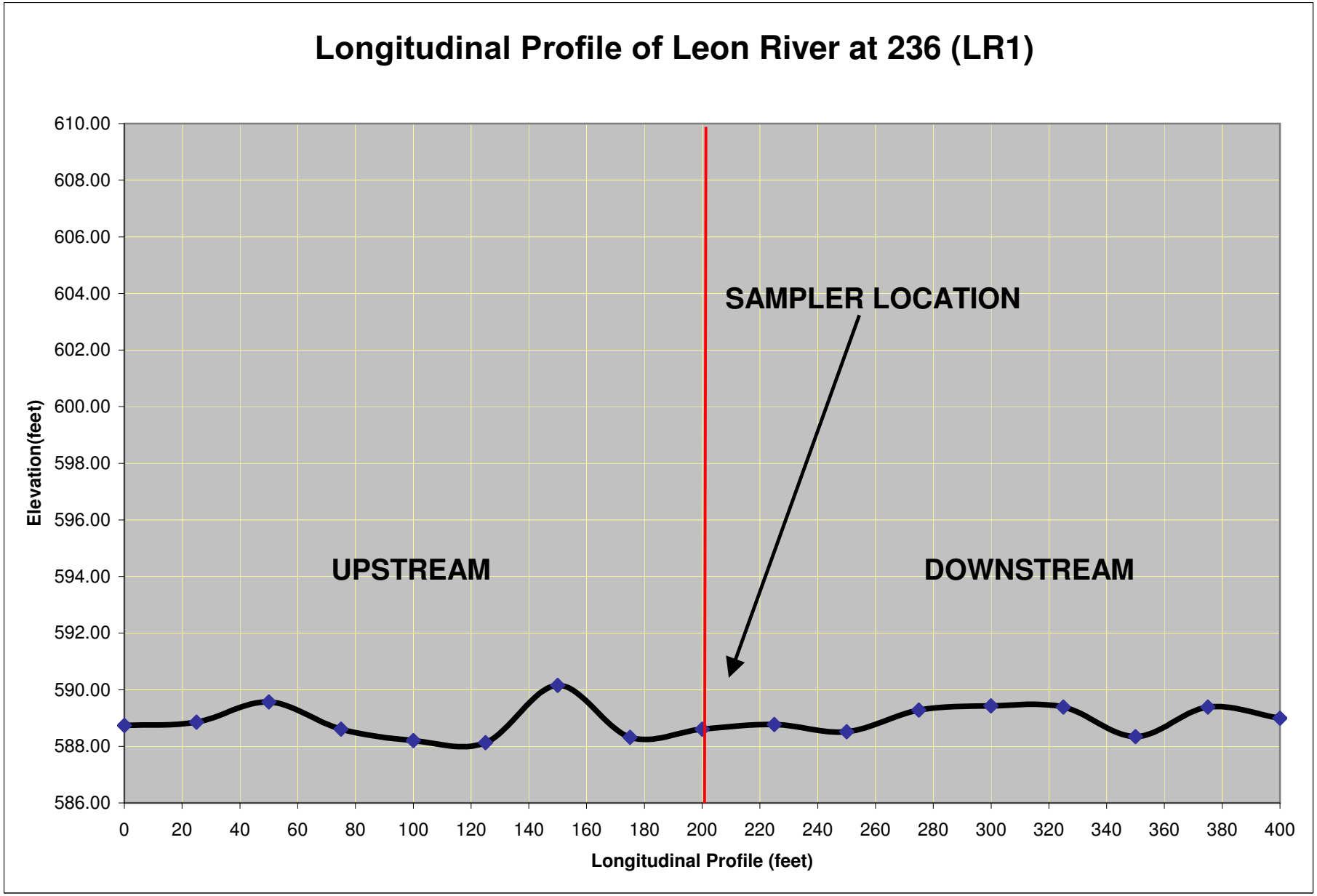

Longitudinal Profile of Station Creek at A&M Property (SC1)
UPSTREAM
SAMPLER LOCATION
DOWNSTREAM
Elevation (feet)
758.00
756.00
754.00
752.00
750.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

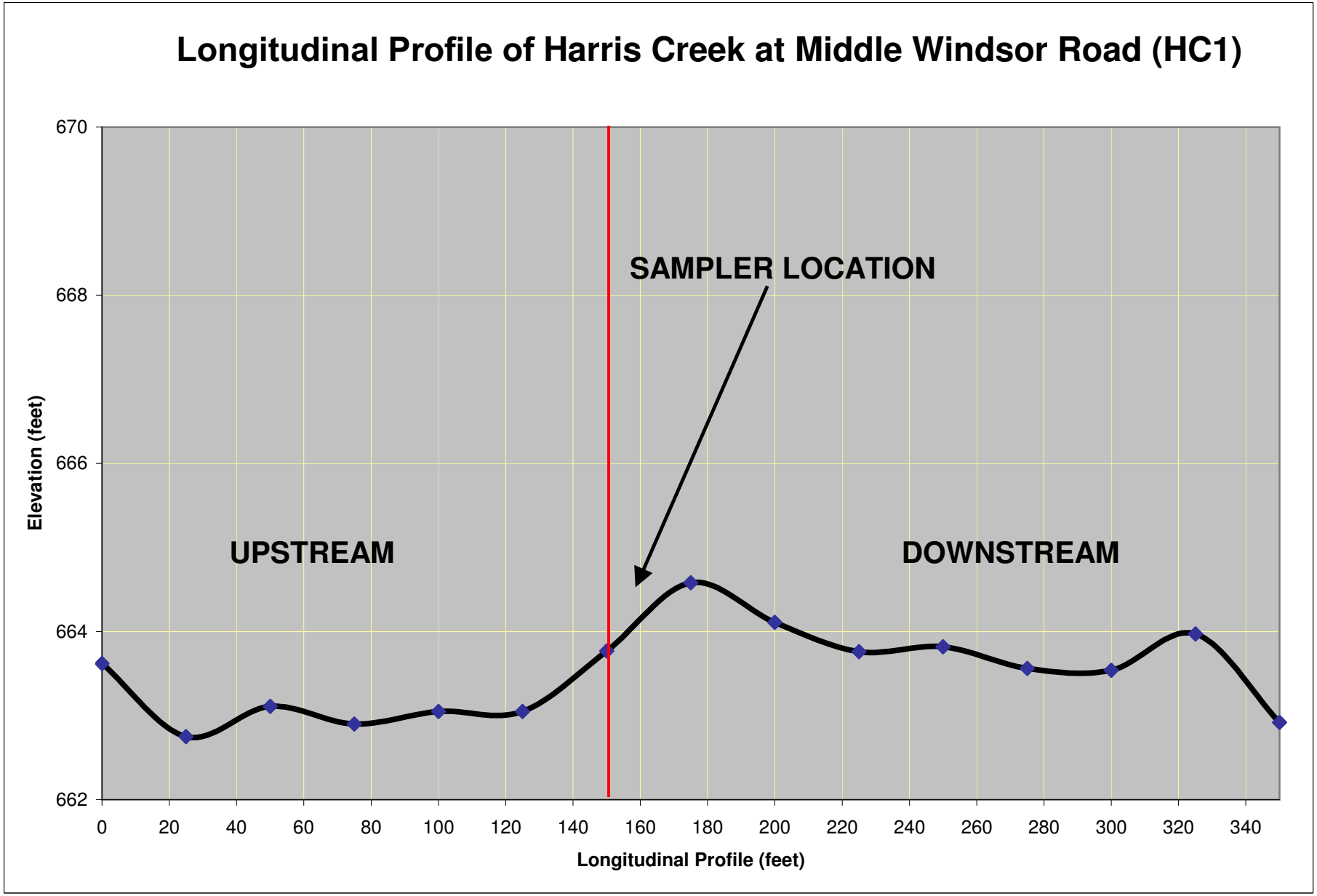

Longitudinal Profile of Tributary M at Texas A&M Property (TRM1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
760.00
758.00
756.00
754.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

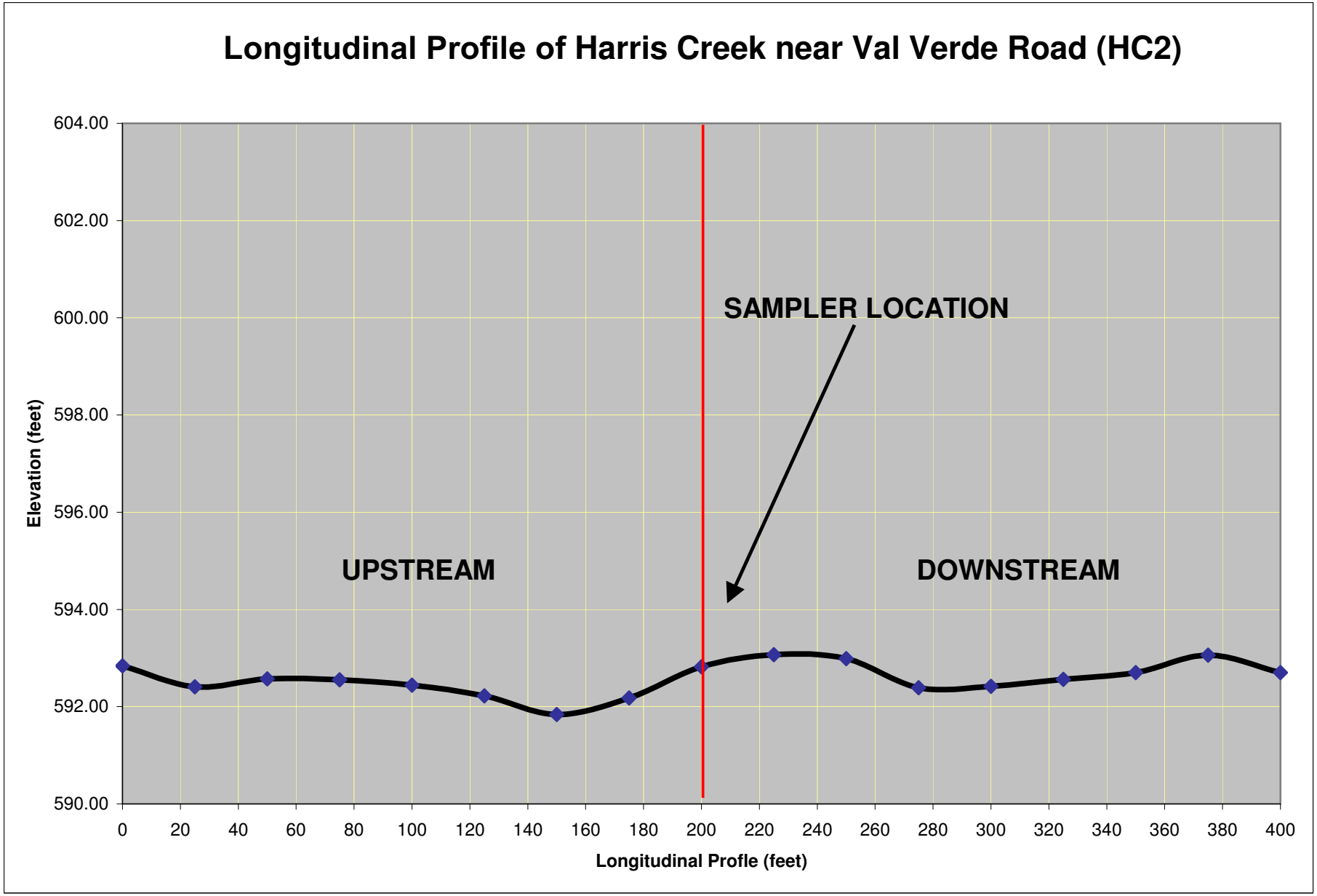

Longitudinal Profile of Station Creek at 107 (SC3)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
730.00
728.00
726.00
724.00
722.00
720.00
718.00
716.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

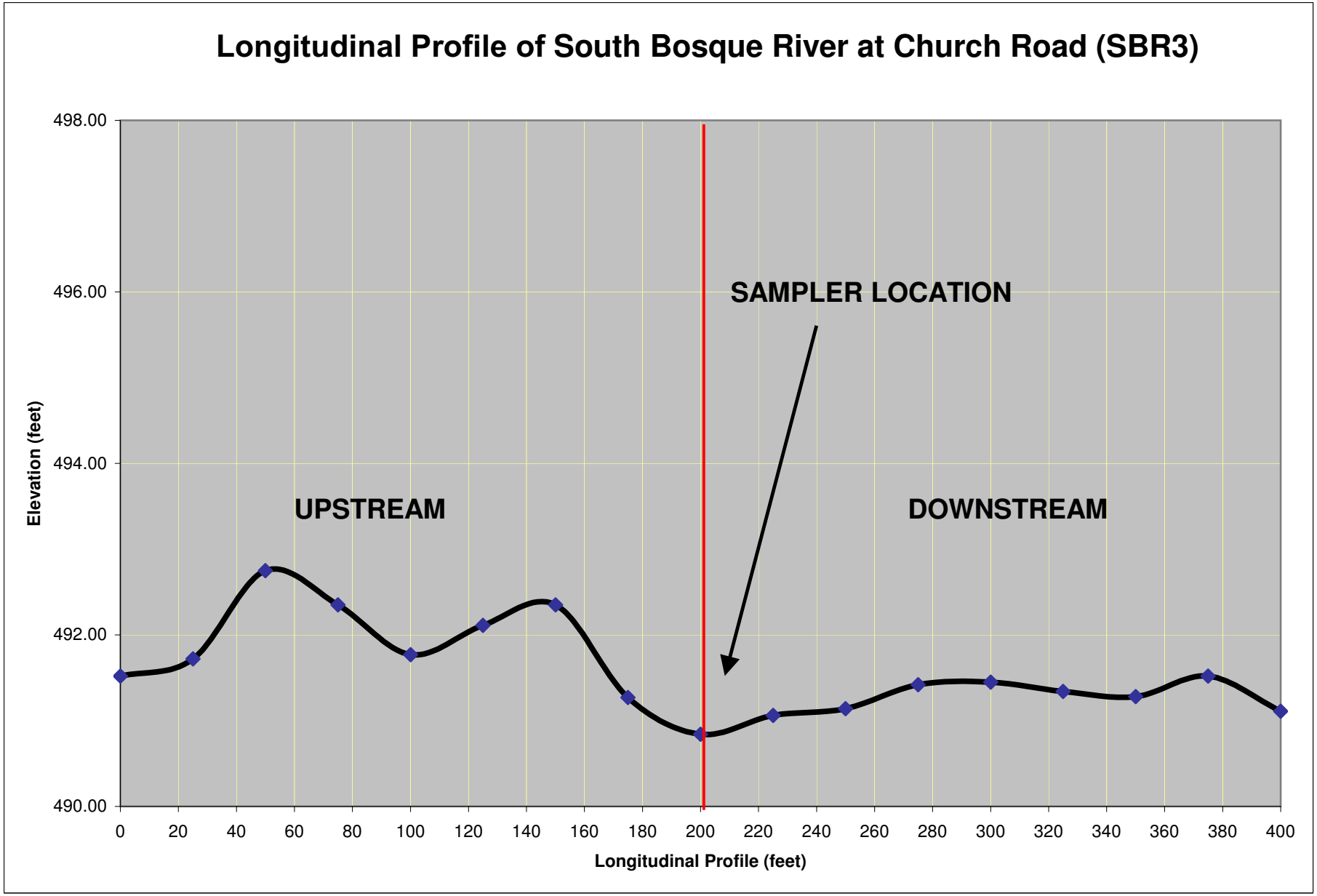

Longitudinal Profile of Onion Creek at 107 (OC1)
UPSTREAM
SAMPLER LOCATION
DOWNSTREAM
Elevation (feet)
714.00
712.00
710.00
708.00
706.00
704.00
702.00
700.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

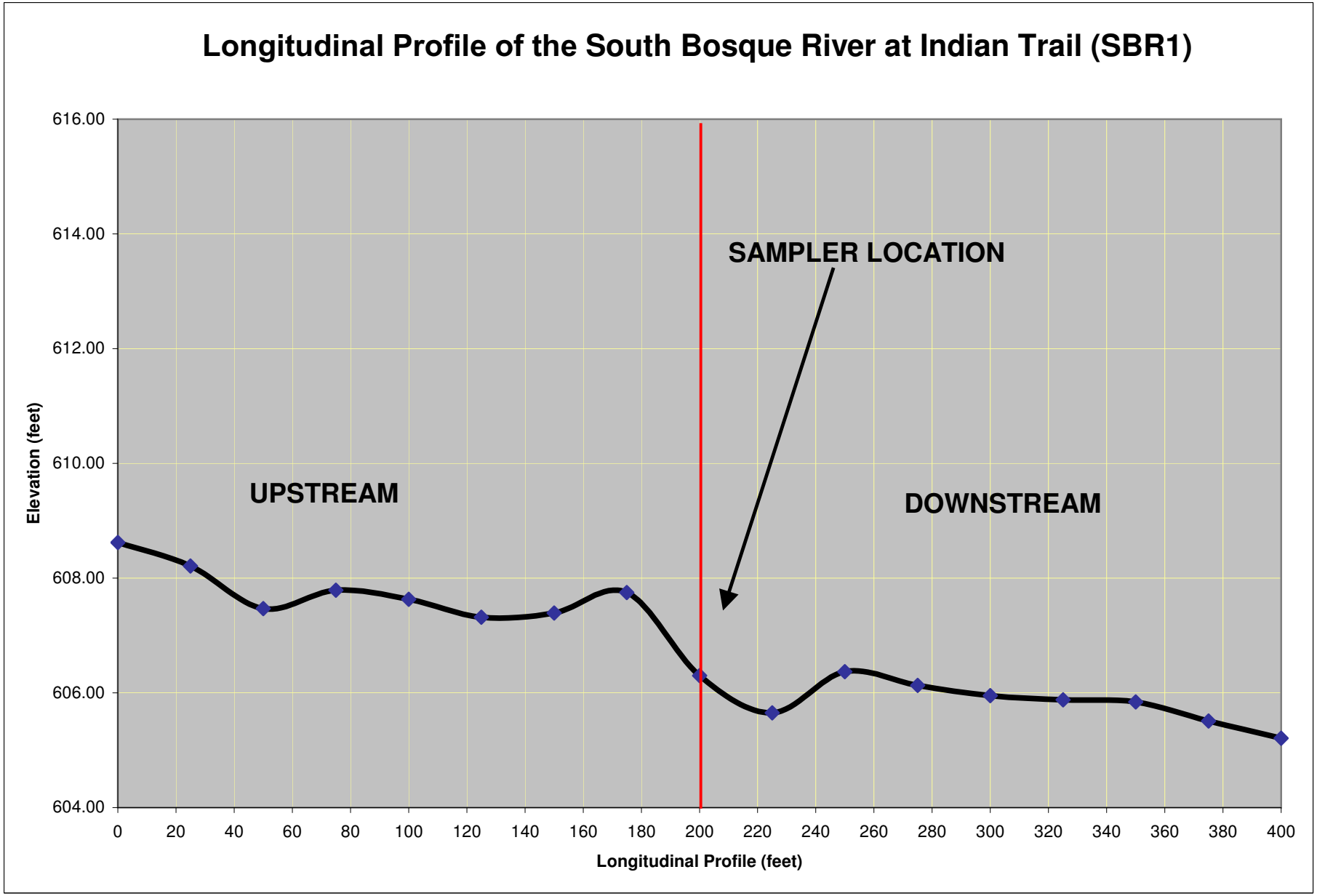

Longitudinal Profile of Station Creek at Oglesby Neff Park Road (SC5)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
616
614
612
610
608
606
604
602
600
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

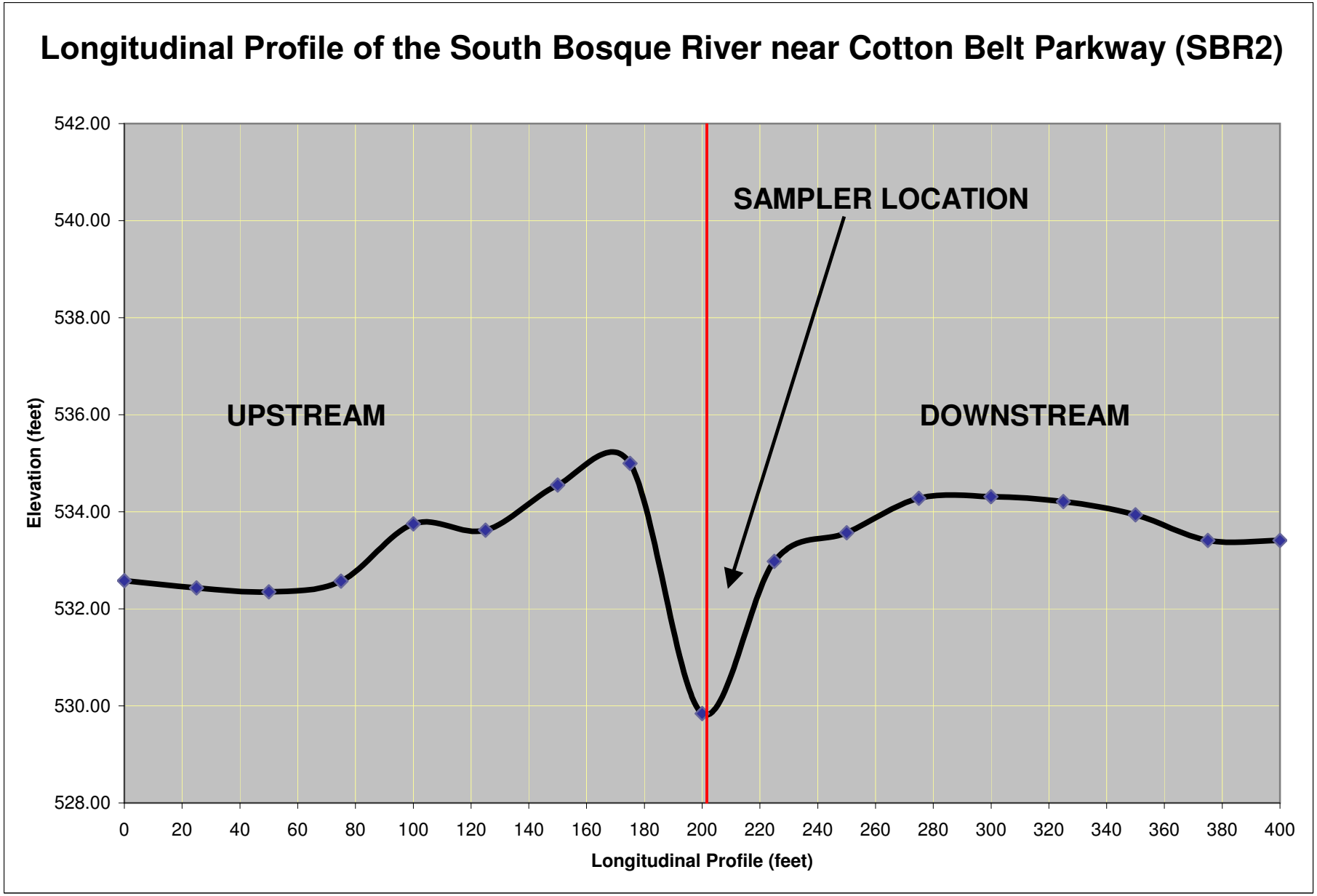

Longitudinal Profile of Leon River at 236 (LR1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation(feet)
610.00
608.00
606.00
604.00
602.00
600.00
598.00
596.00
594.00
592.00
590.00
588.00
586.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

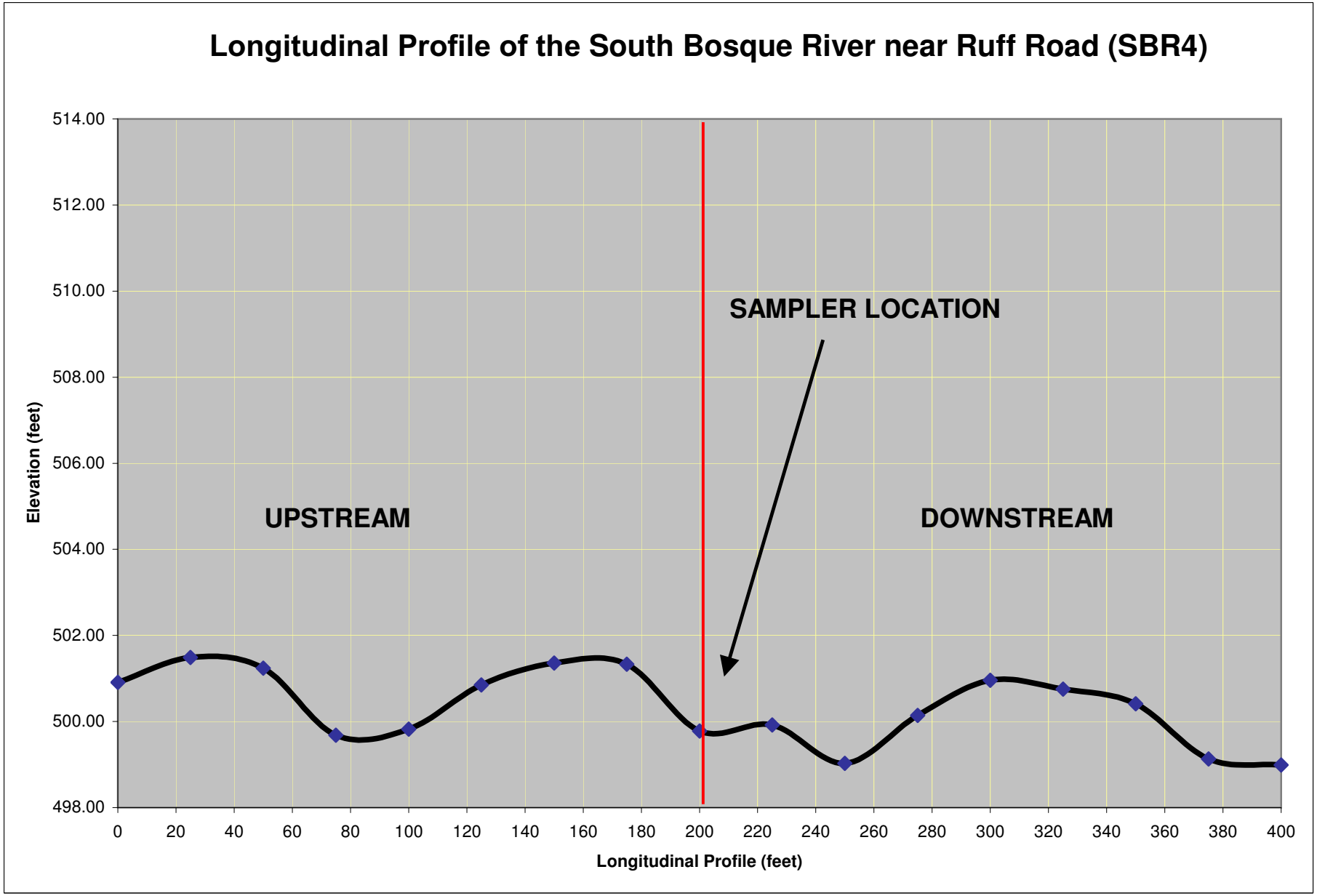

Longitudinal Profile of Harris Creek at Middle Windsor Road (HC1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
670
668
666
664
662
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
Longitudinal Profile (feet)

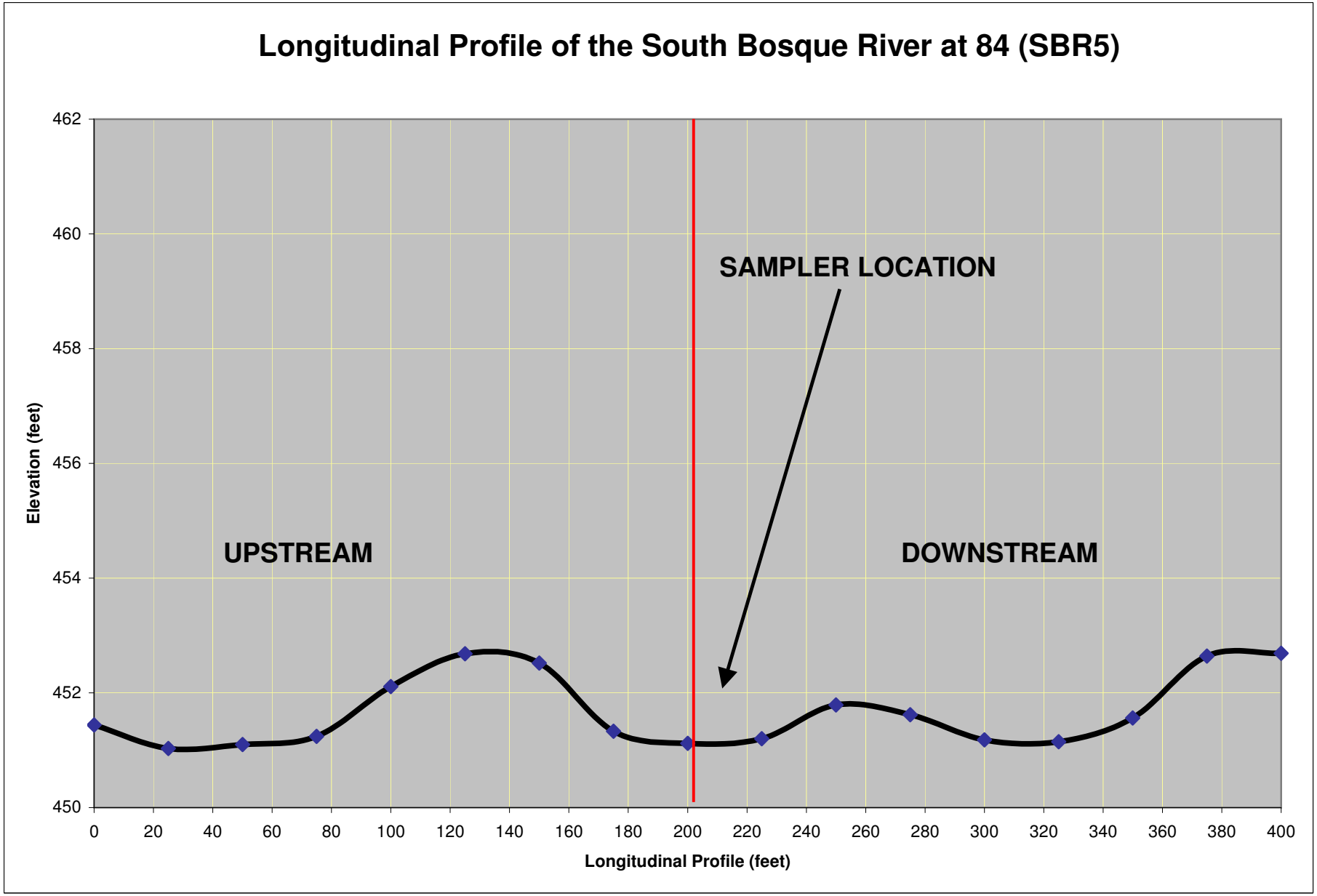

Longitudinal Profile of Harris Creek near Val Verde Road (HC2)
604.00
602.00
600.00
598.00
596.00
594.00
592.00
590.00
Elevation (feet)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profle (feet)

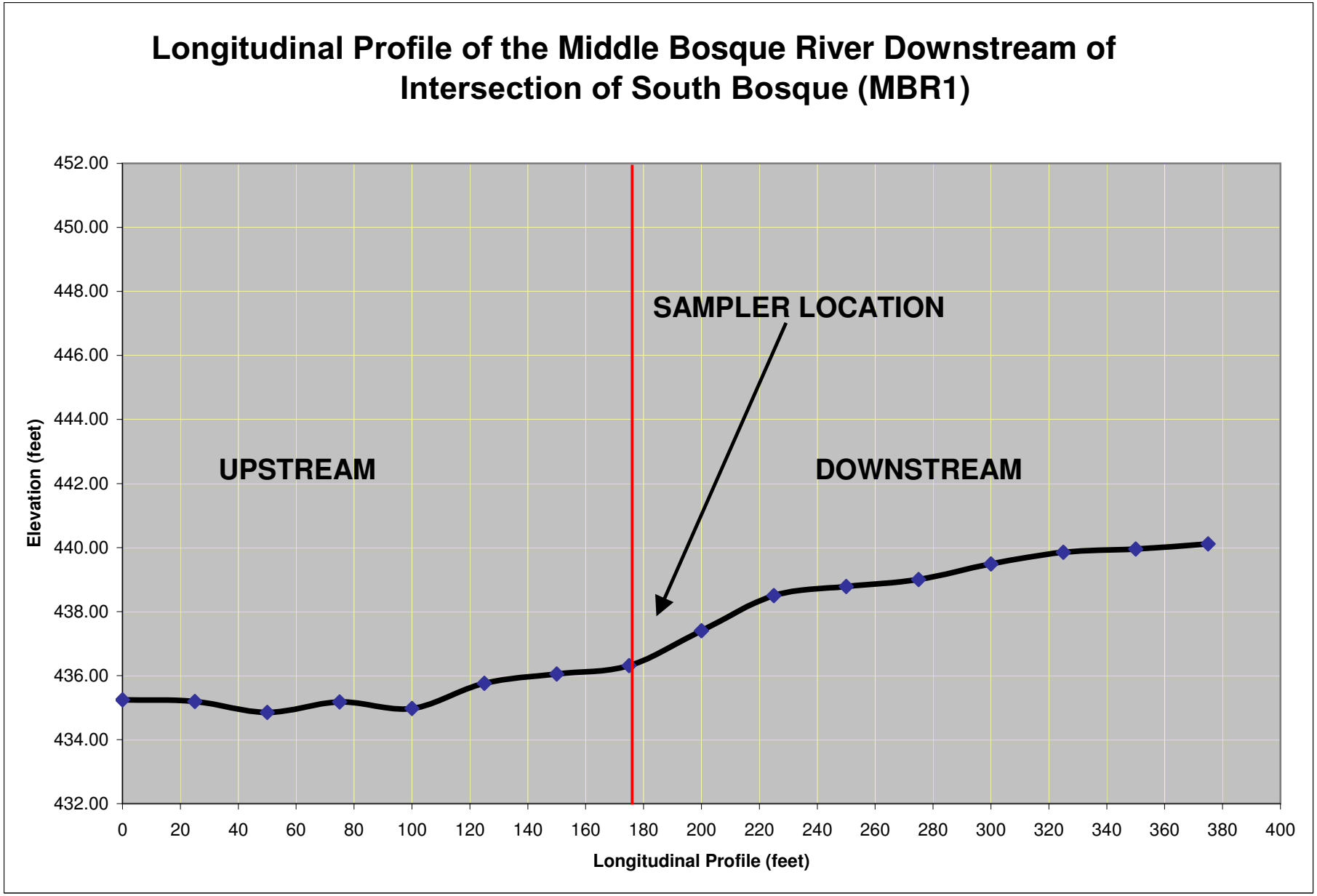

Longitudinal Profile of South Bosque River at Church Road (SBR3)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
498.00
496.00
494.00
492.00
490.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

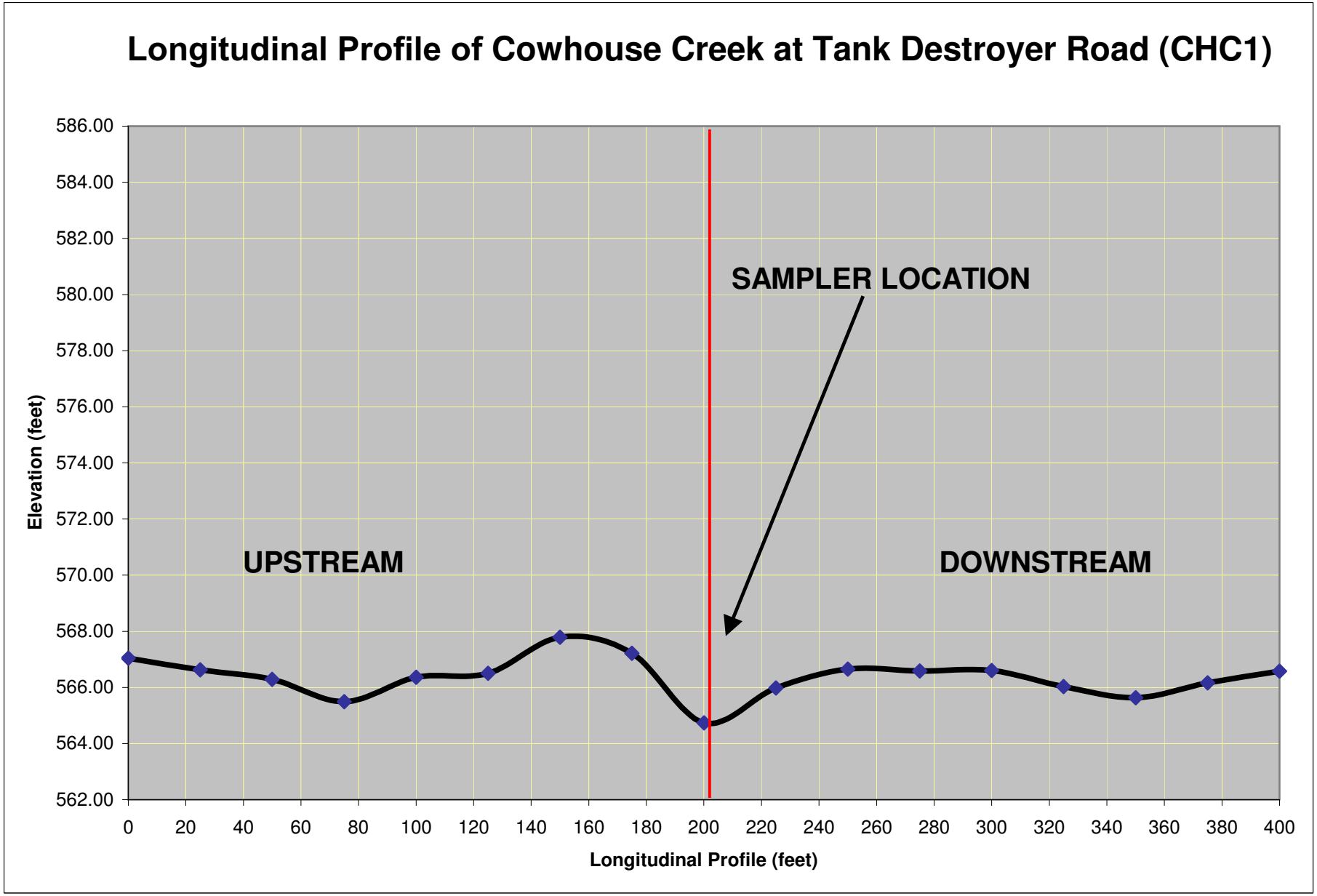

Longitudinal Profile of the South Bosque River at Indian Trail (SBR1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
616.00
614.00
612.00
610.00
608.00
606.00
604.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)


Longitudinal Profile of the South Bosque River near Cotton Belt Parkway (SBR2)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
542.00
540.00
538.00
536.00
534.00
532.00
530.00
528.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)


Longitudinal Profile of the South Bosque River near Ruff Road (SBR4)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
514.00
512.00
510.00
508.00
506.00
504.00
502.00
500.00
498.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

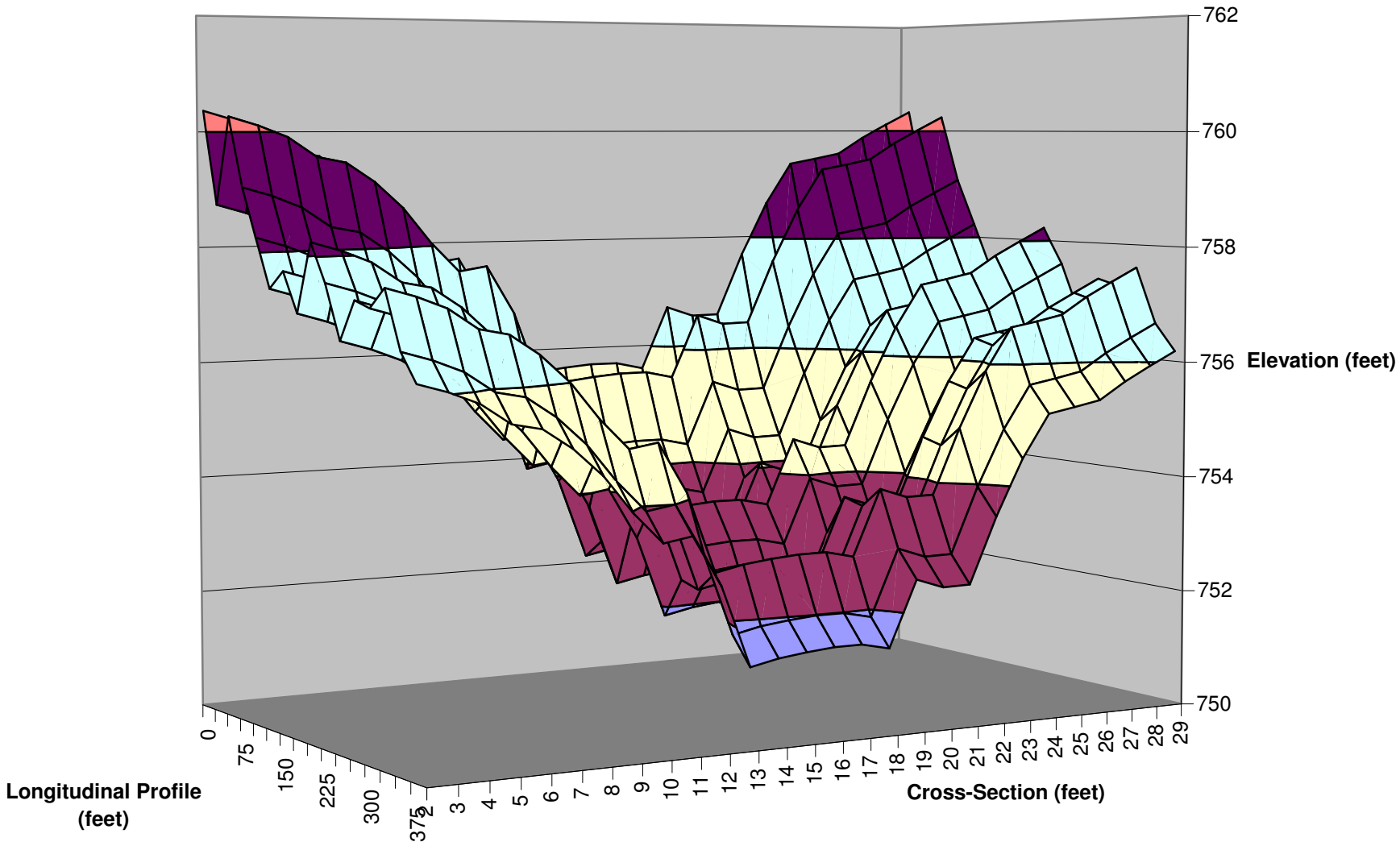

Longitudinal Profile of the South Bosque River at 84 (SBR5)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
462
460
458
456
454
452
450
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)


Longitudinal Profile of the Middle Bosque River Downstream of Intersection of South Bosque (MBR1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
452.00
450.00
448.00
446.00
444.00
442.00
440.00
438.00
436.00
434.00
432.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

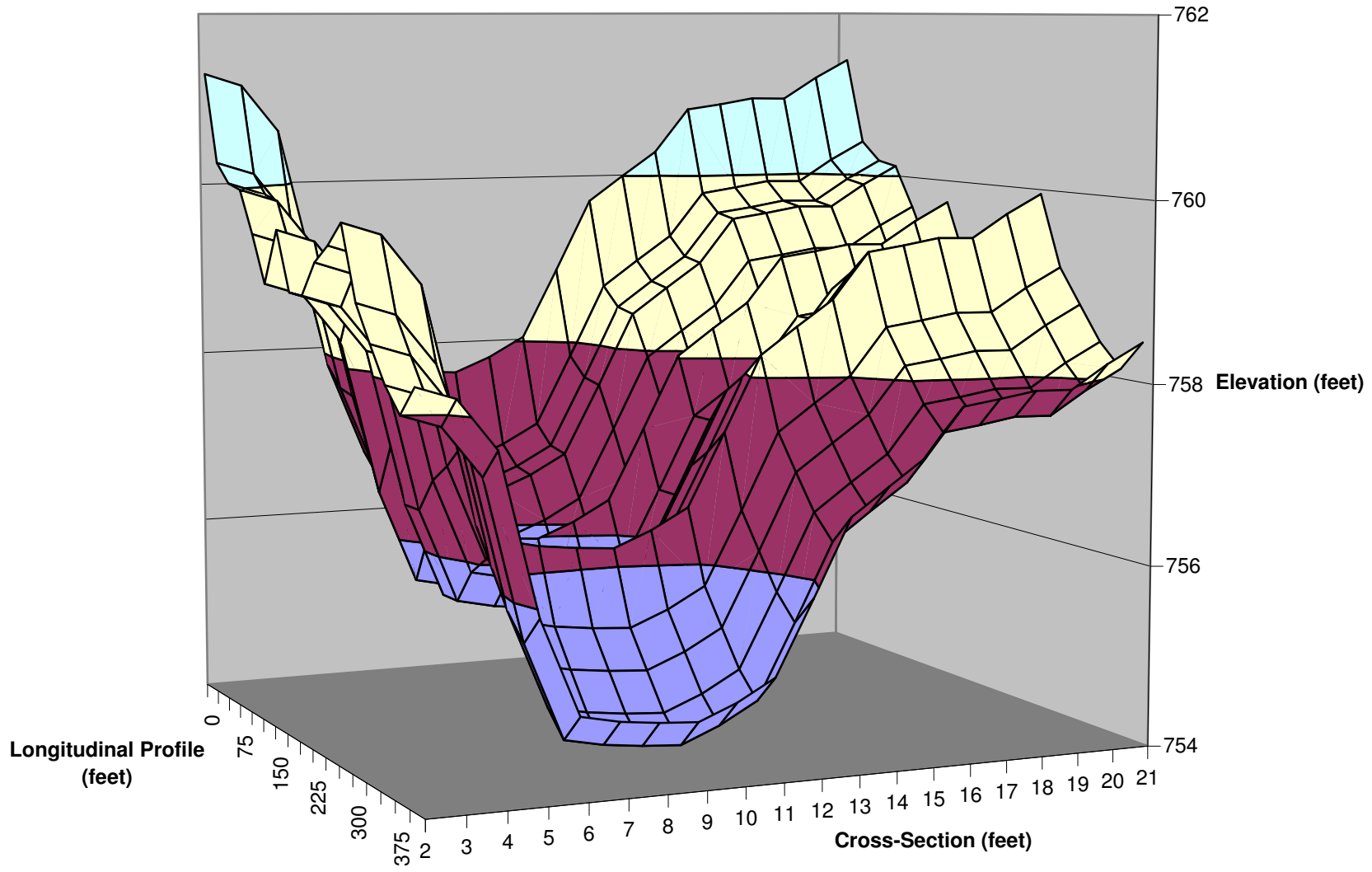

Longitudinal Profile of Cowhouse Creek at Tank Destroyer Road (CHC1)
SAMPLER LOCATION
UPSTREAM
DOWNSTREAM
Elevation (feet)
586.00
584.00
582.00
580.00
578.00
576.00
574.00
572.00
570.00
568.00
566.00
564.00
562.00
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
Longitudinal Profile (feet)

Three-Dimensional Cross Sections at Monitoring Stations

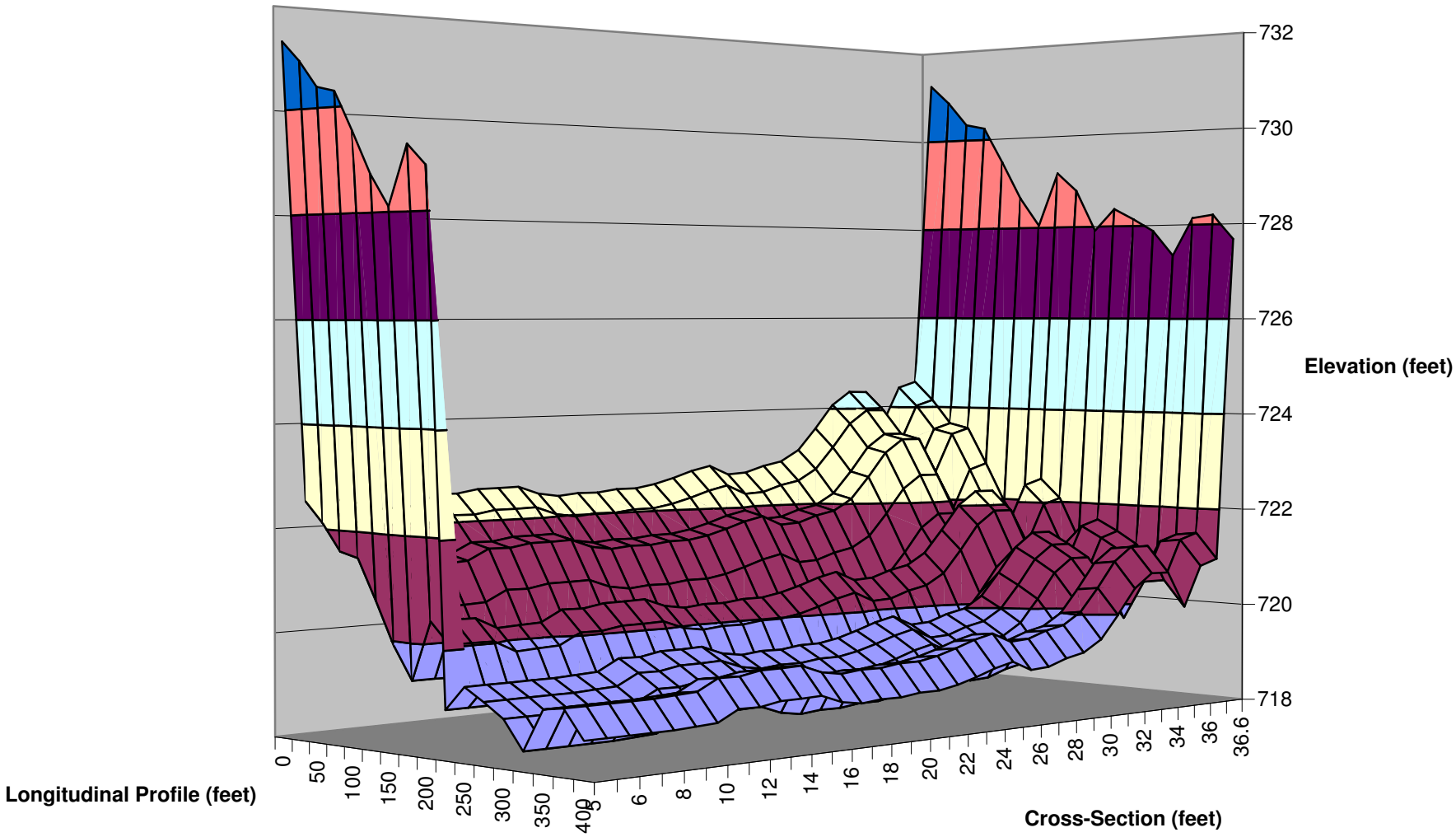
3-D Cross Section at Station Creek at A&M Property (SC1)



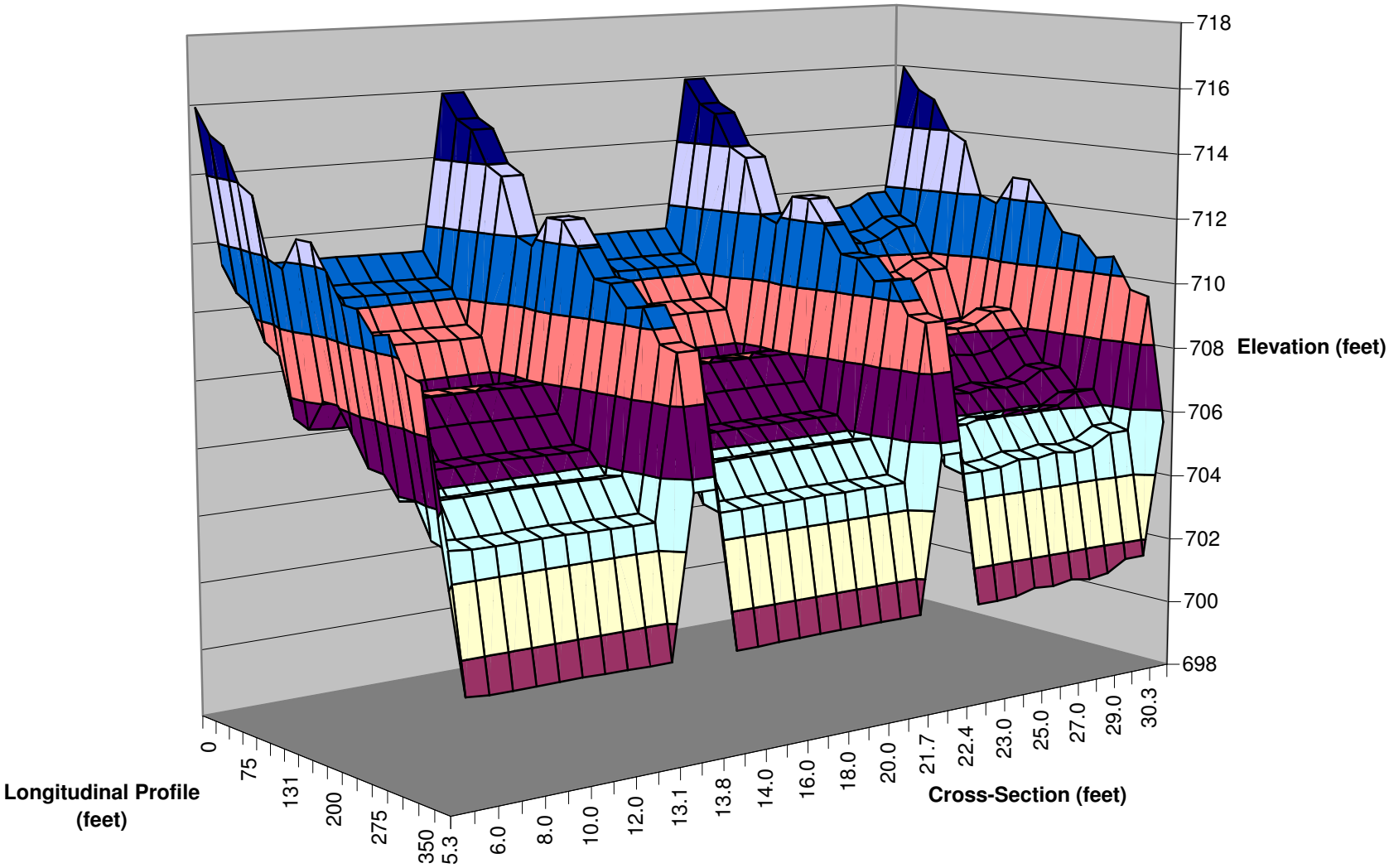
3-D Cross Section at Tributary M at Texas A&M Property (TRM1)



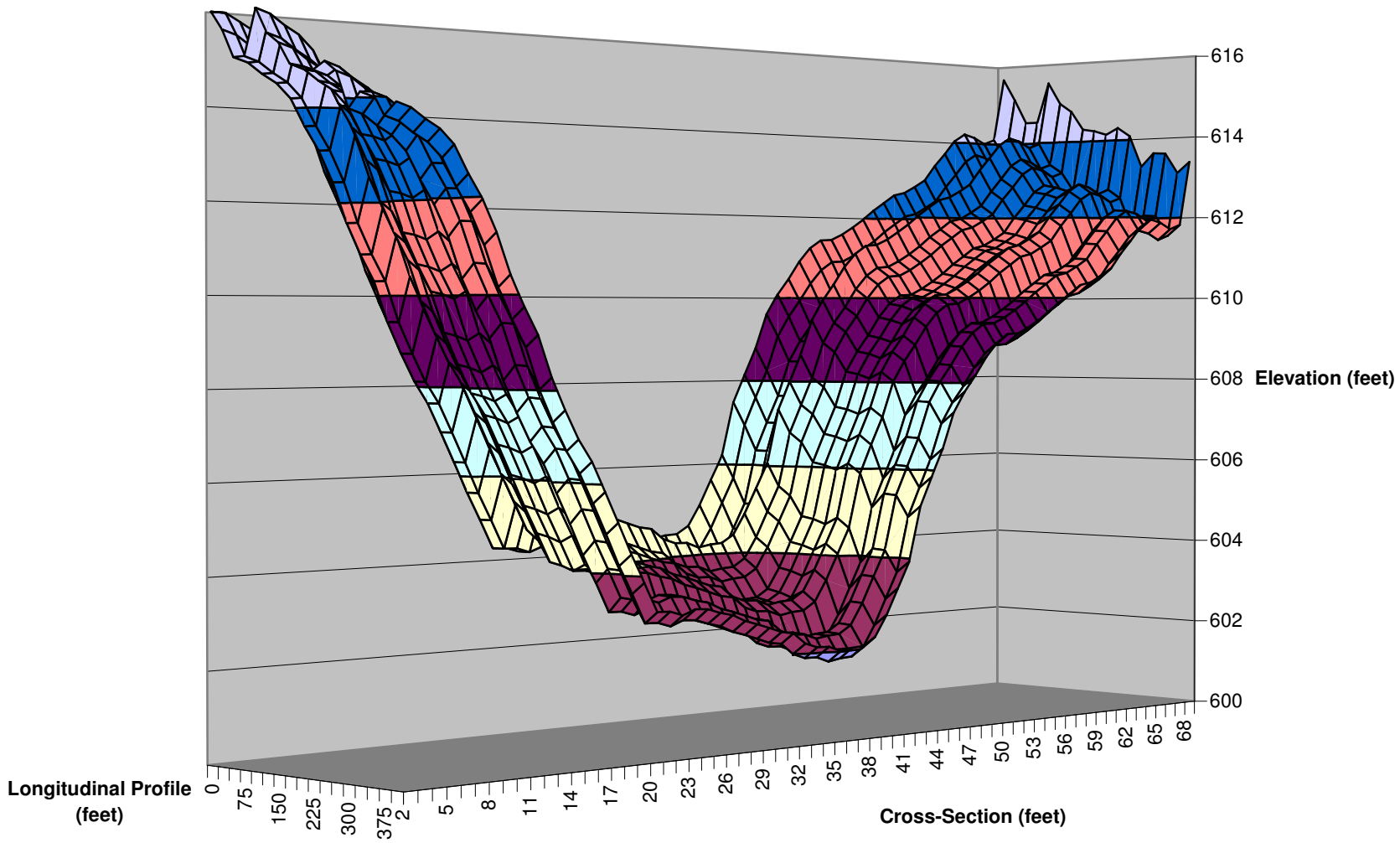
3-D Cross Section at Station Creek at 107 (SC3)



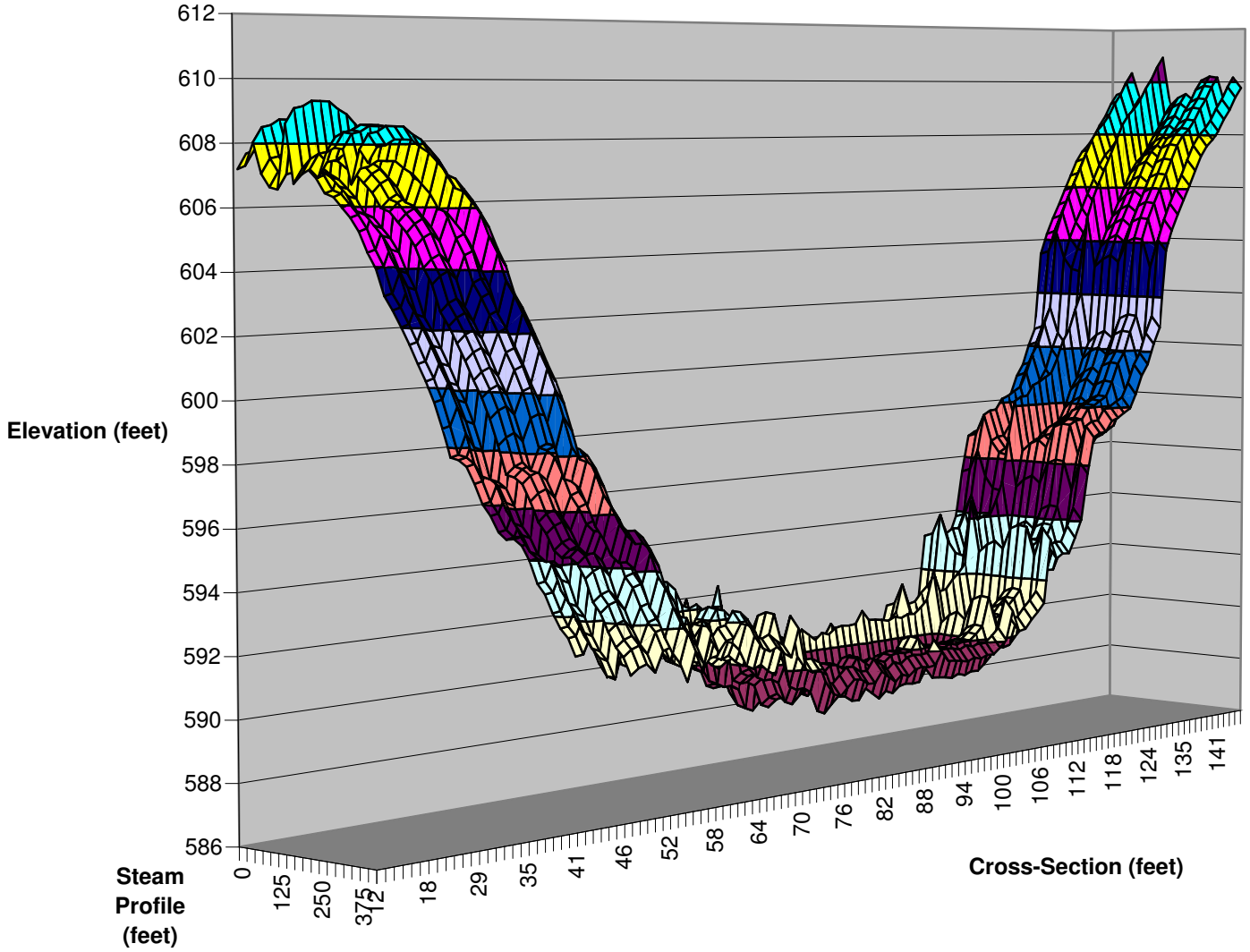
3-D Cross Section at Onion Creek at 107 (OC1)



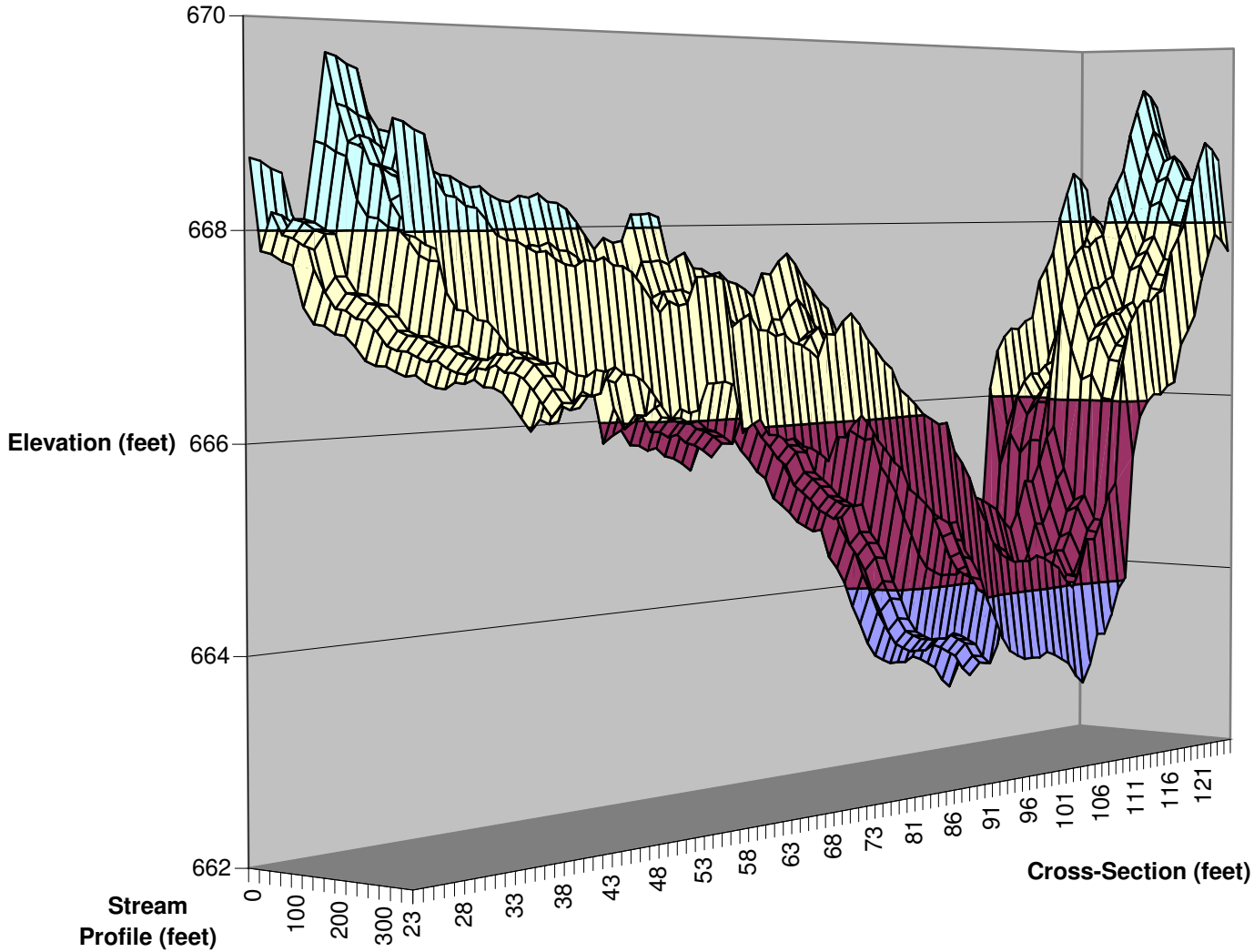
3-D Cross Section at Station Creek at Oglesby Neff Park Road (SC5)



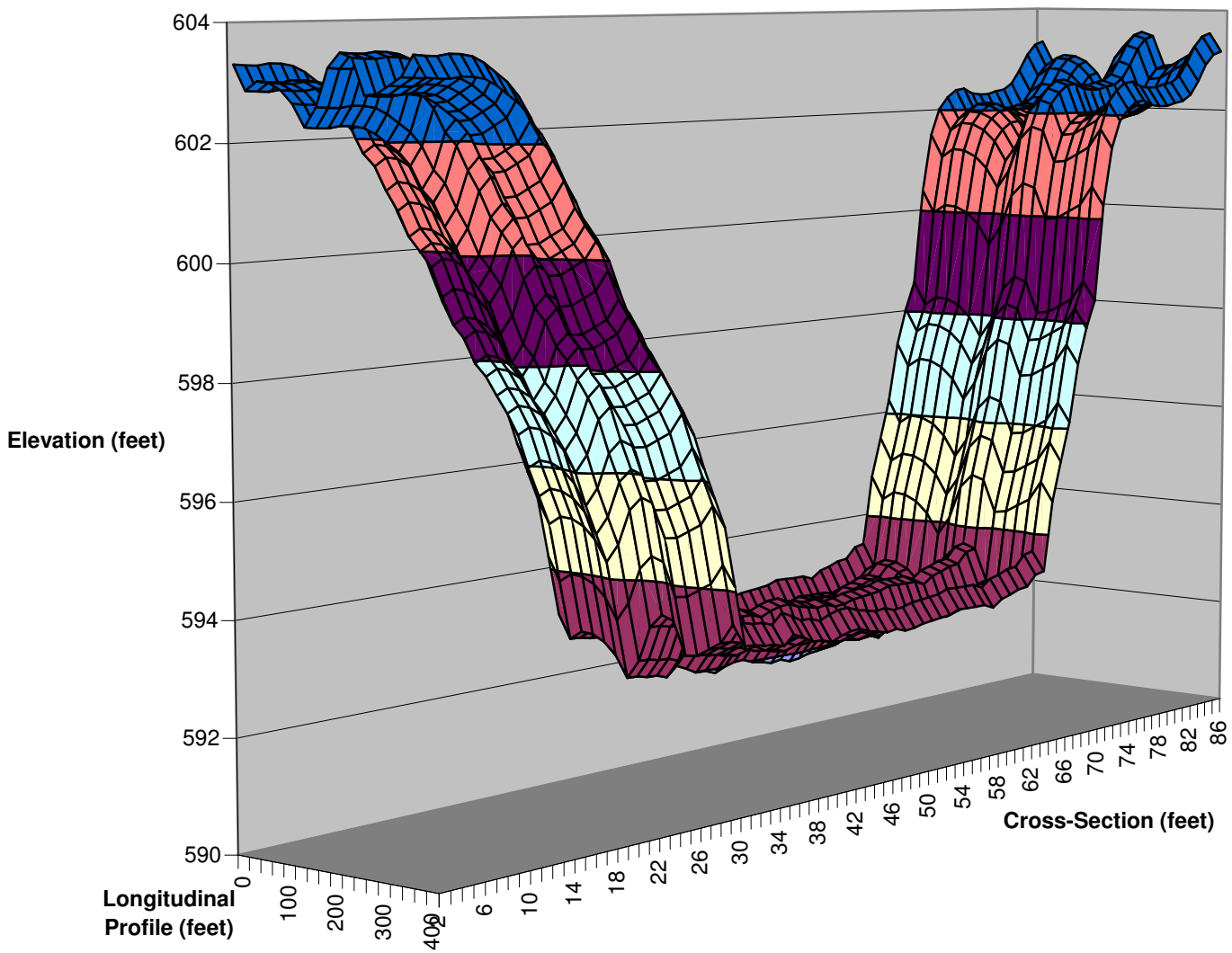
3-D Cross Section at Leon River at 236 (LR1)



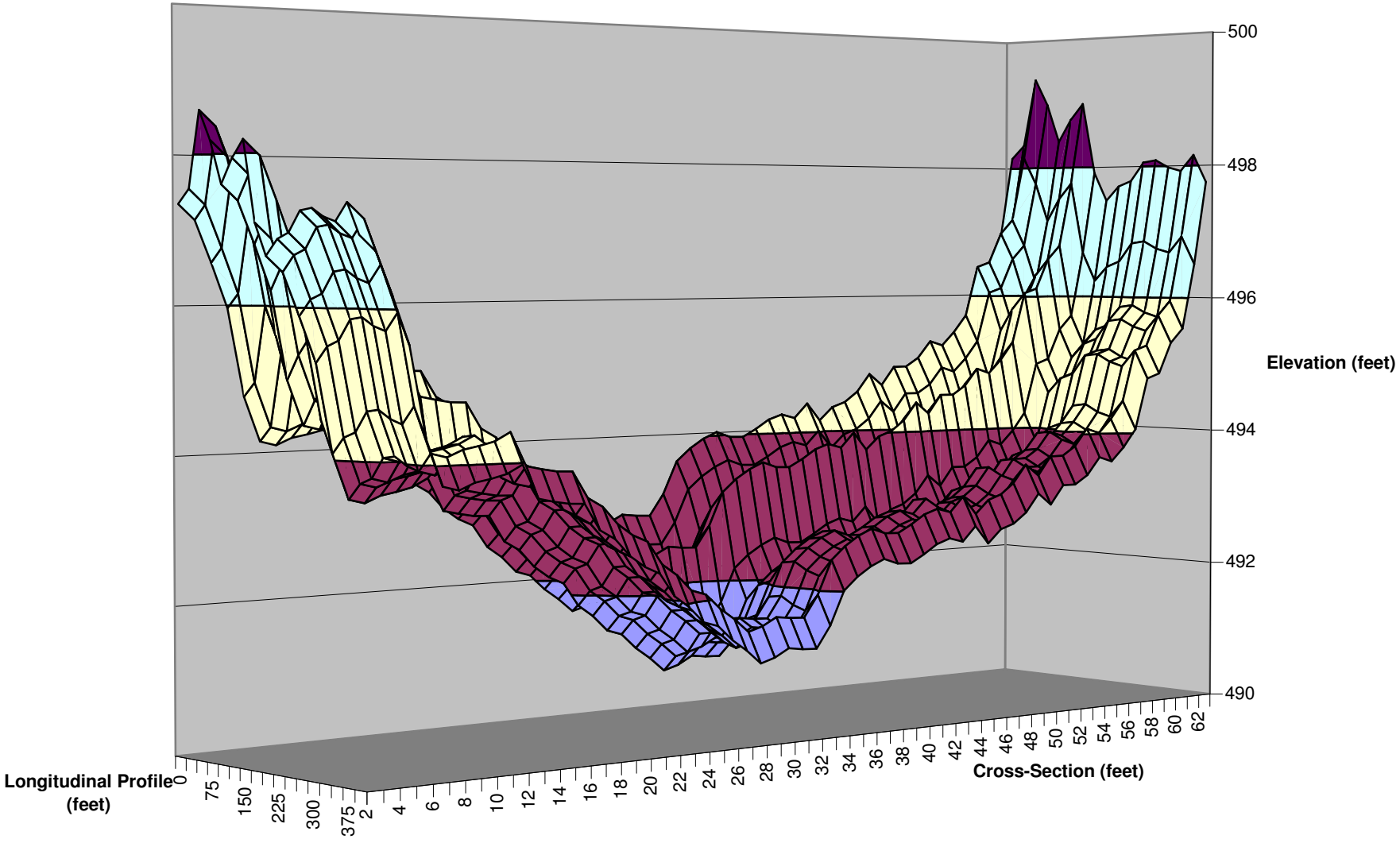
3-D Cross Section at Harris Creek at Middle Windsor Road (HC1)



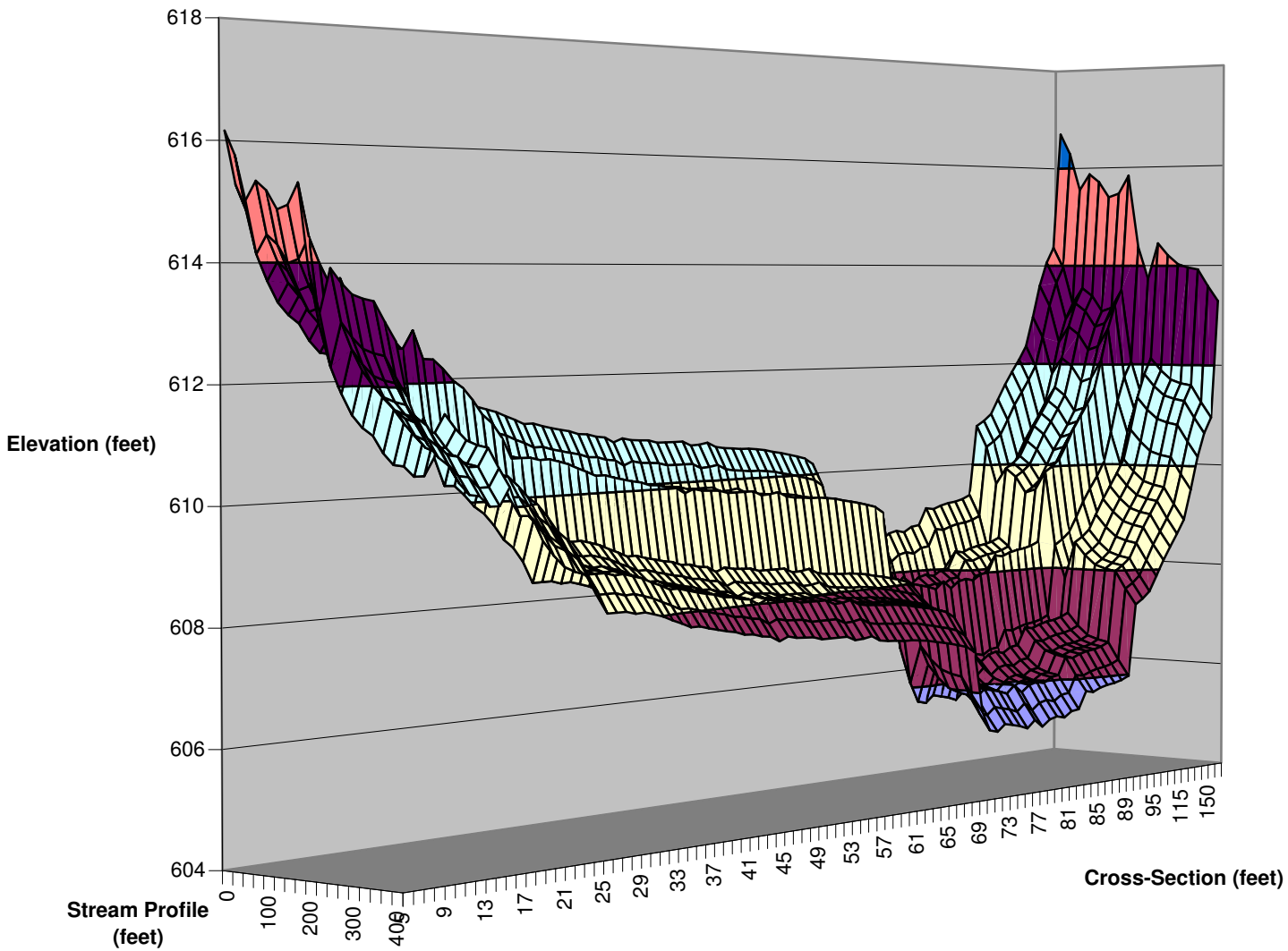
3-D Cross Section at Harris Creek near Val Verde Road (HC2)



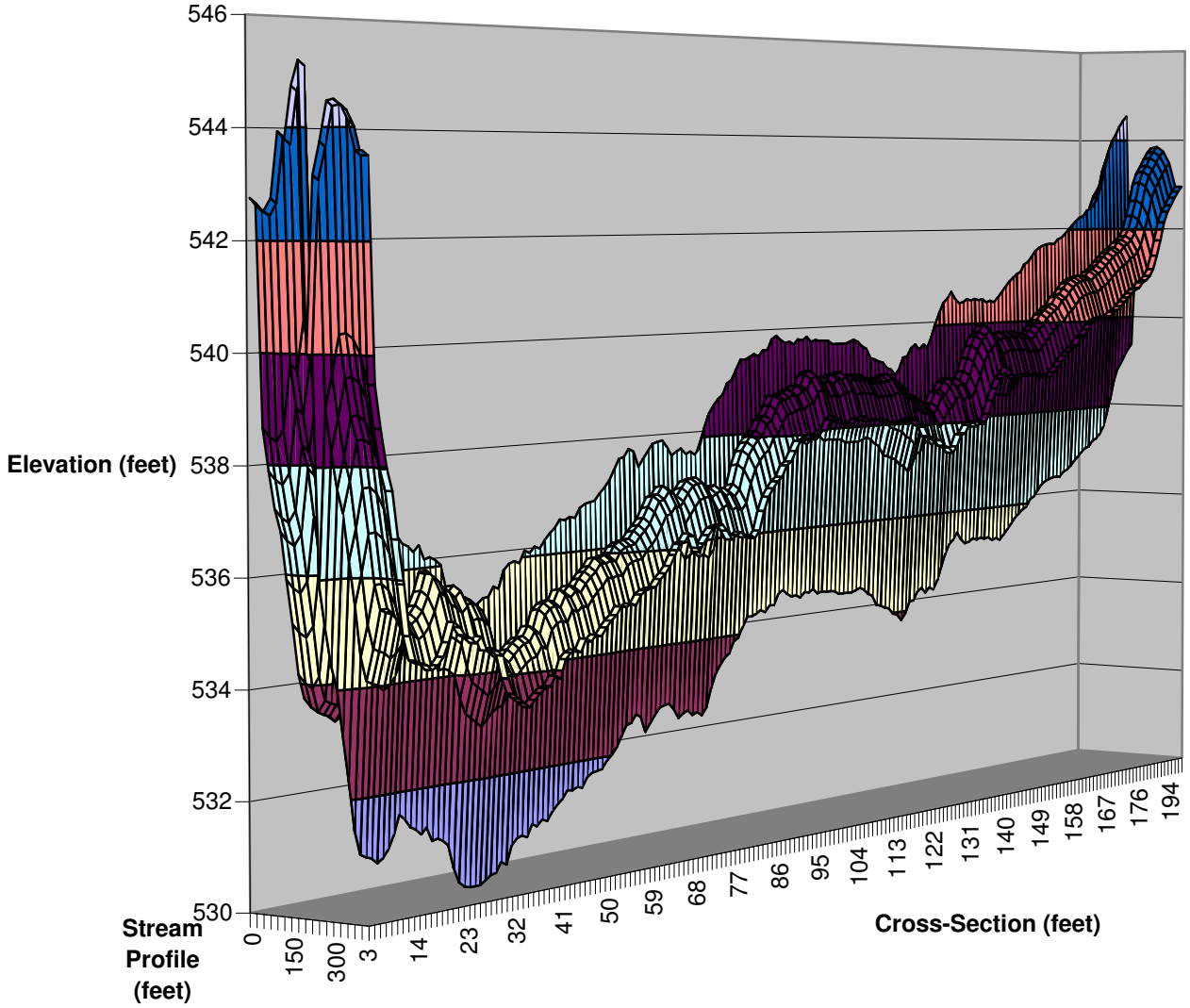
3-D Cross Section at South Bosque River at Church Road (SBR3)



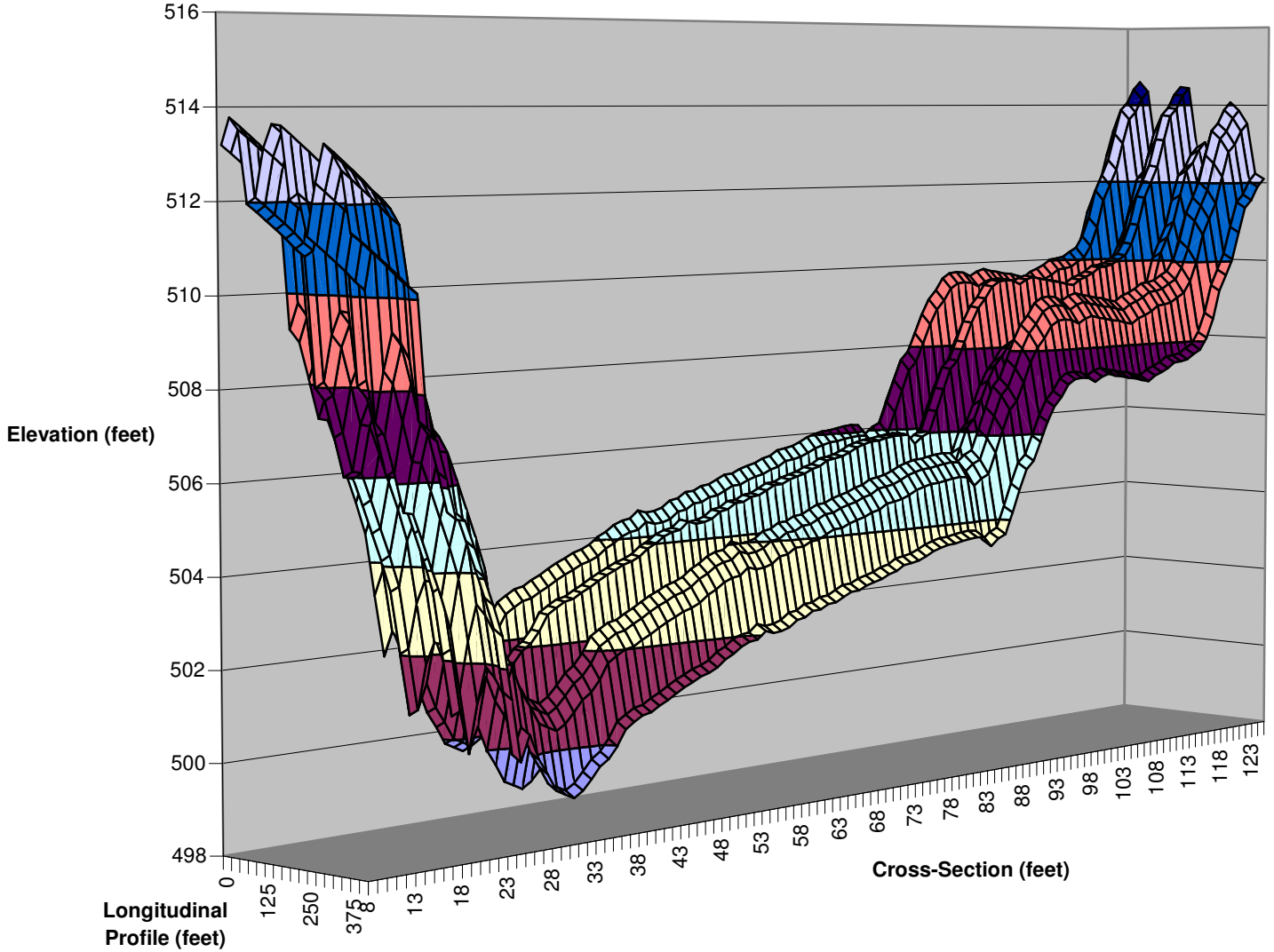
3-D Cross Section at South Bosque River at Indian Trail (SBR1)



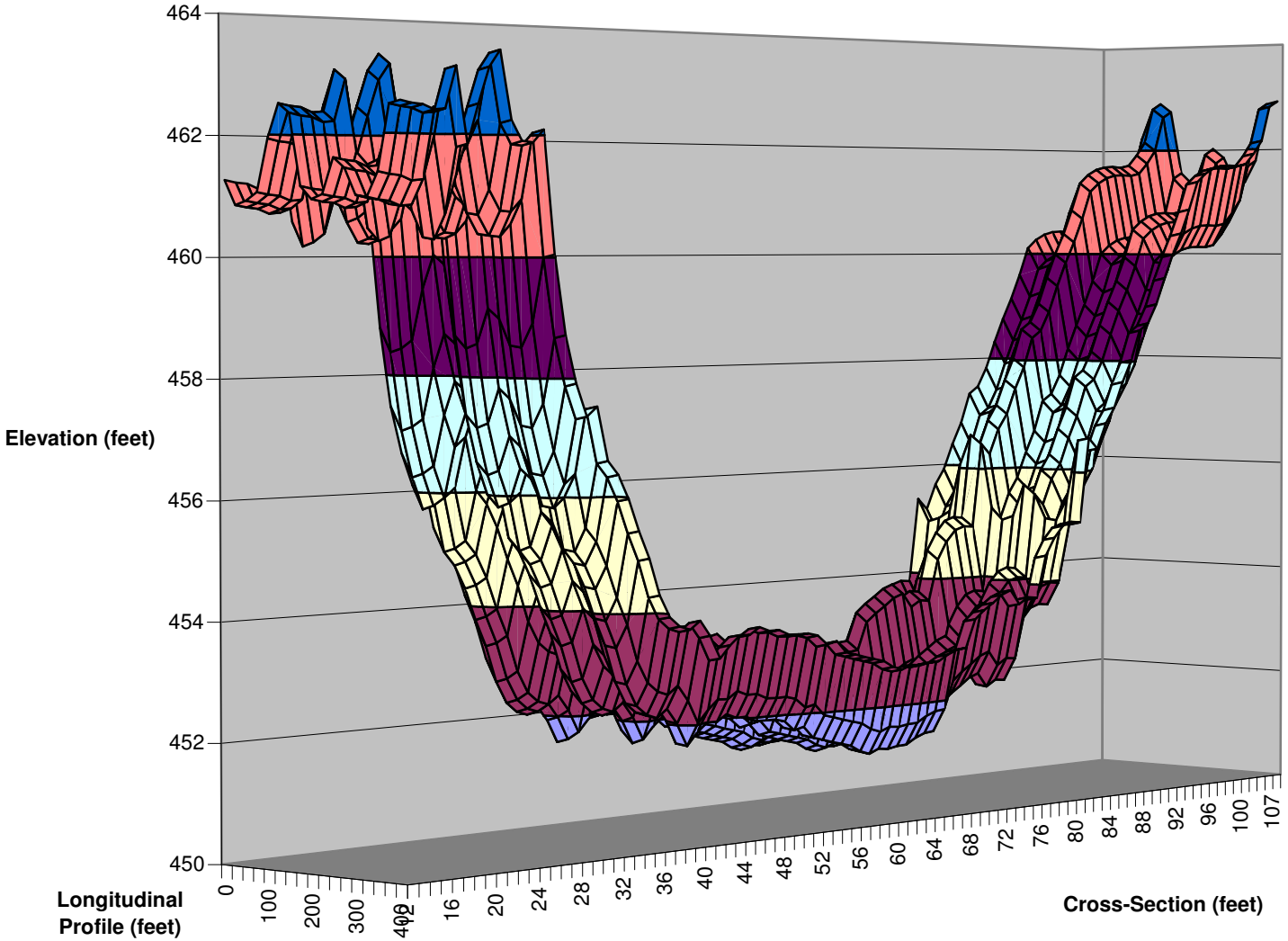
3-D Cross Section at South Bosque River near Cotton Belt Parkway (SBR2)



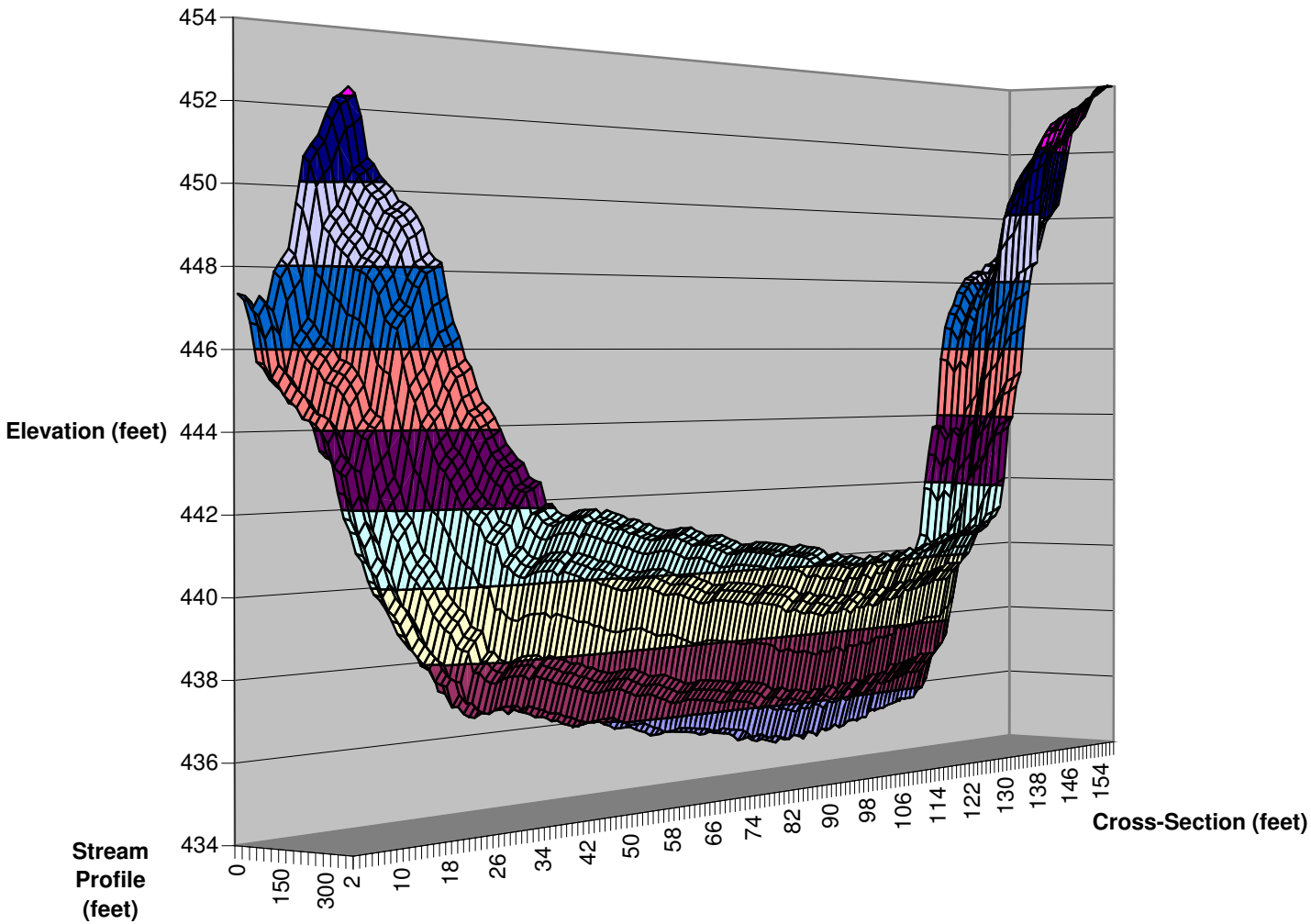
3-D Cross Section at South Bosque River near Ruff Road (SBR4)



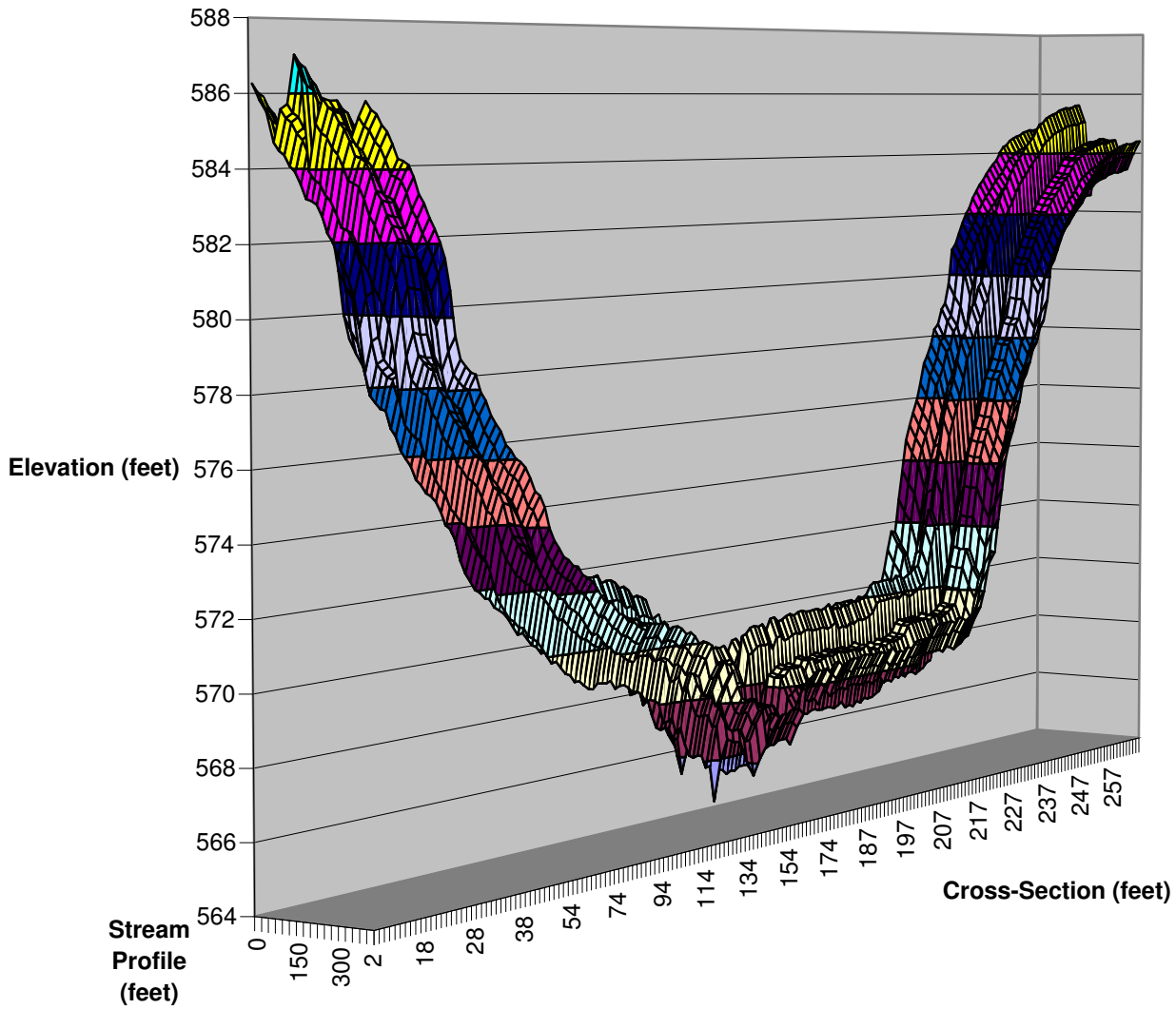
3-D Cross Section at South Bosque River at 84 (SBR5)



3-D Cross Section at the Middle Bosque River Downstream of Intersection of South Bosque (MBR1)



3-D Cross Section at Cowhouse Creek at Tank Destroyer Road (CHC1)



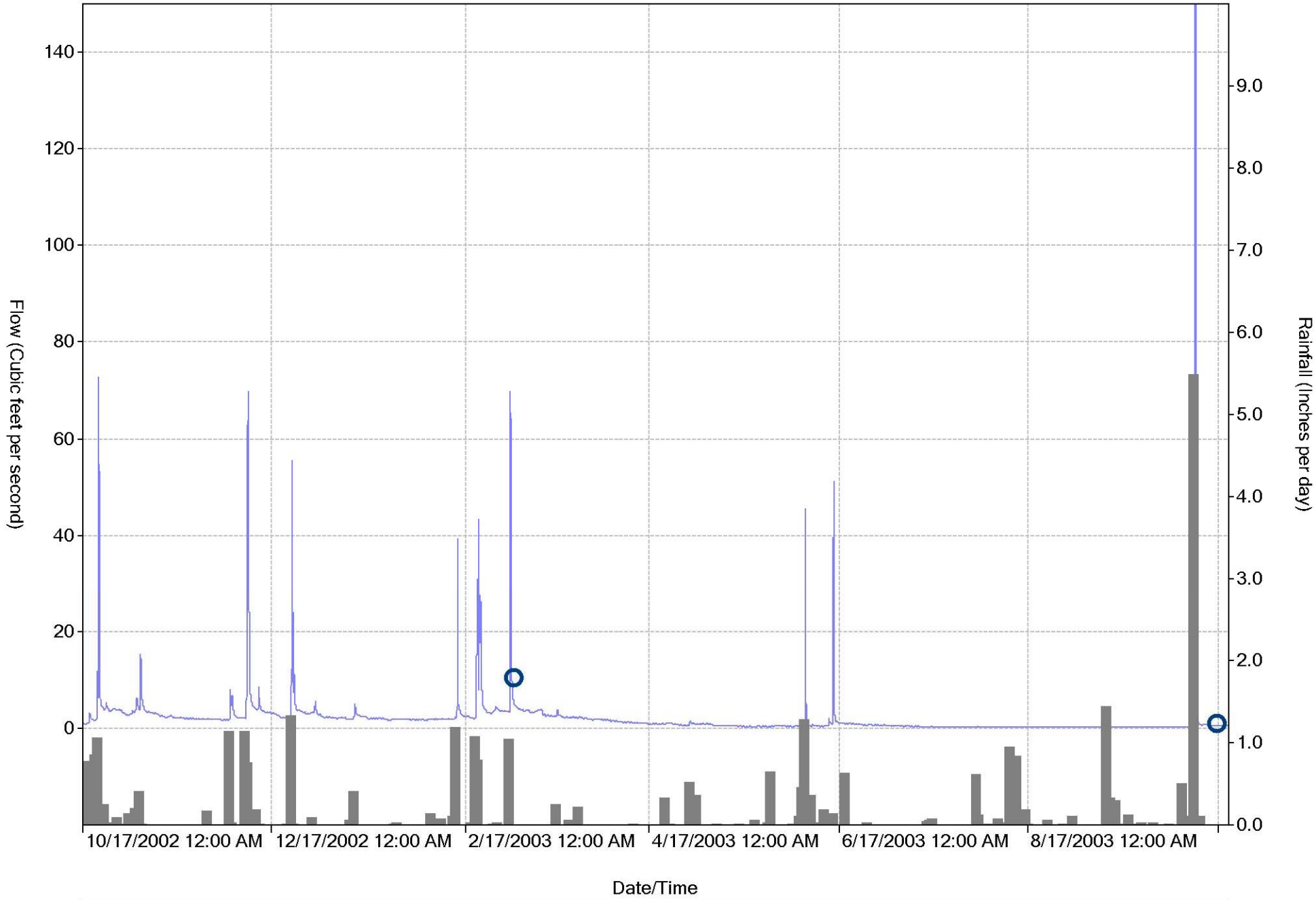
Appendix P

FLOW PLOTS AT LONGITUDINAL MONITORING STATIONS

Flow Plots at Longitudinal Monitoring Stations

2004/02/09 13:41

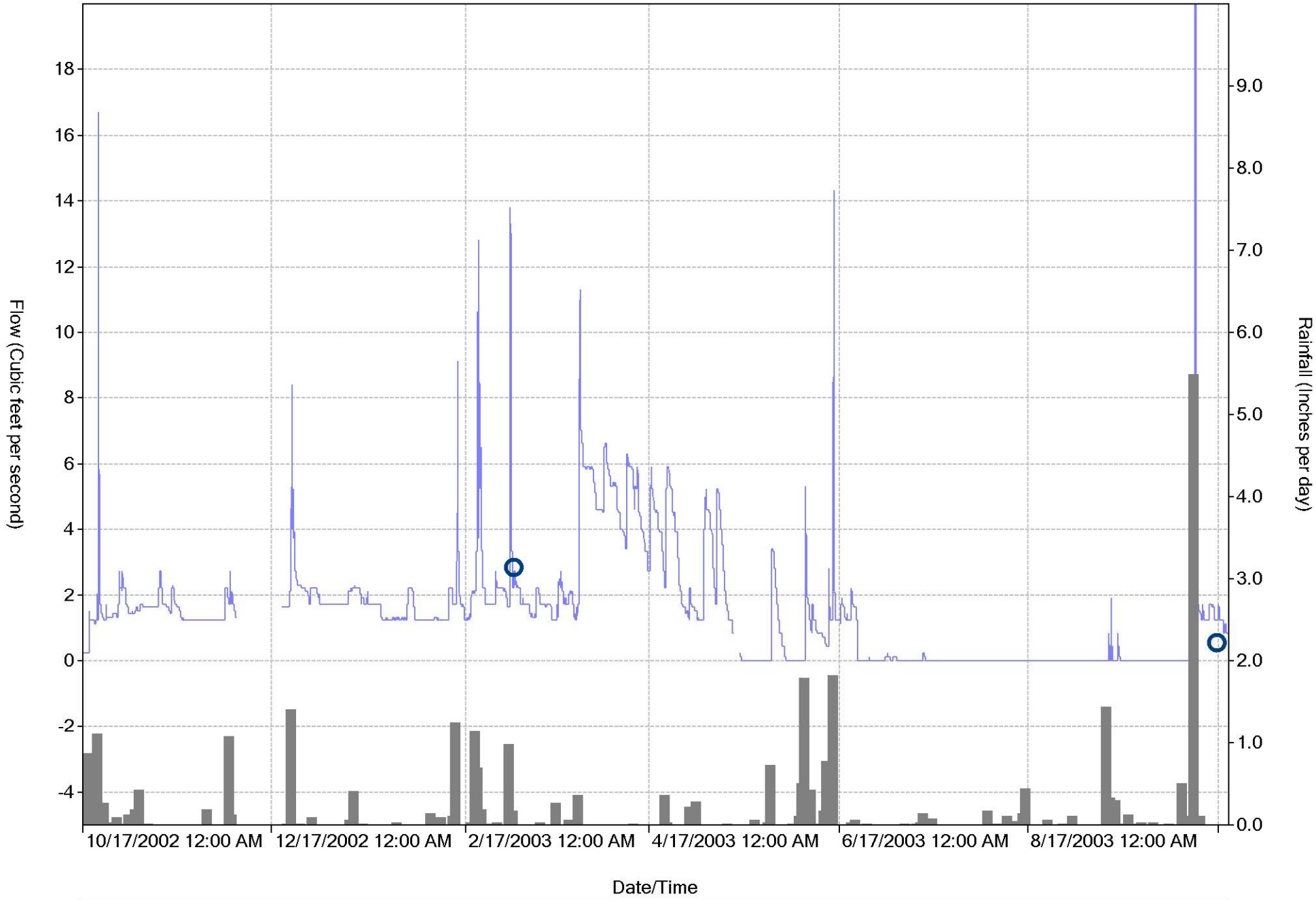
Station Creek at A&M Property (SC1)
Surface Water Flow data vs Time



Legend:	Stats:		
Surface Water Flow	Min: 0	Max: 719	Avg: 2.0
Manual Flow Survey Measurements	Min: 1	Max: 10	Avg: 5.6
Rainfall	Min: 0.0	Max: 5.5	Avg: 0.09

2004/02/09 13:45

Tributary M at A&M Property (TRM1)
Surface Water Flow data vs Time



Legend:

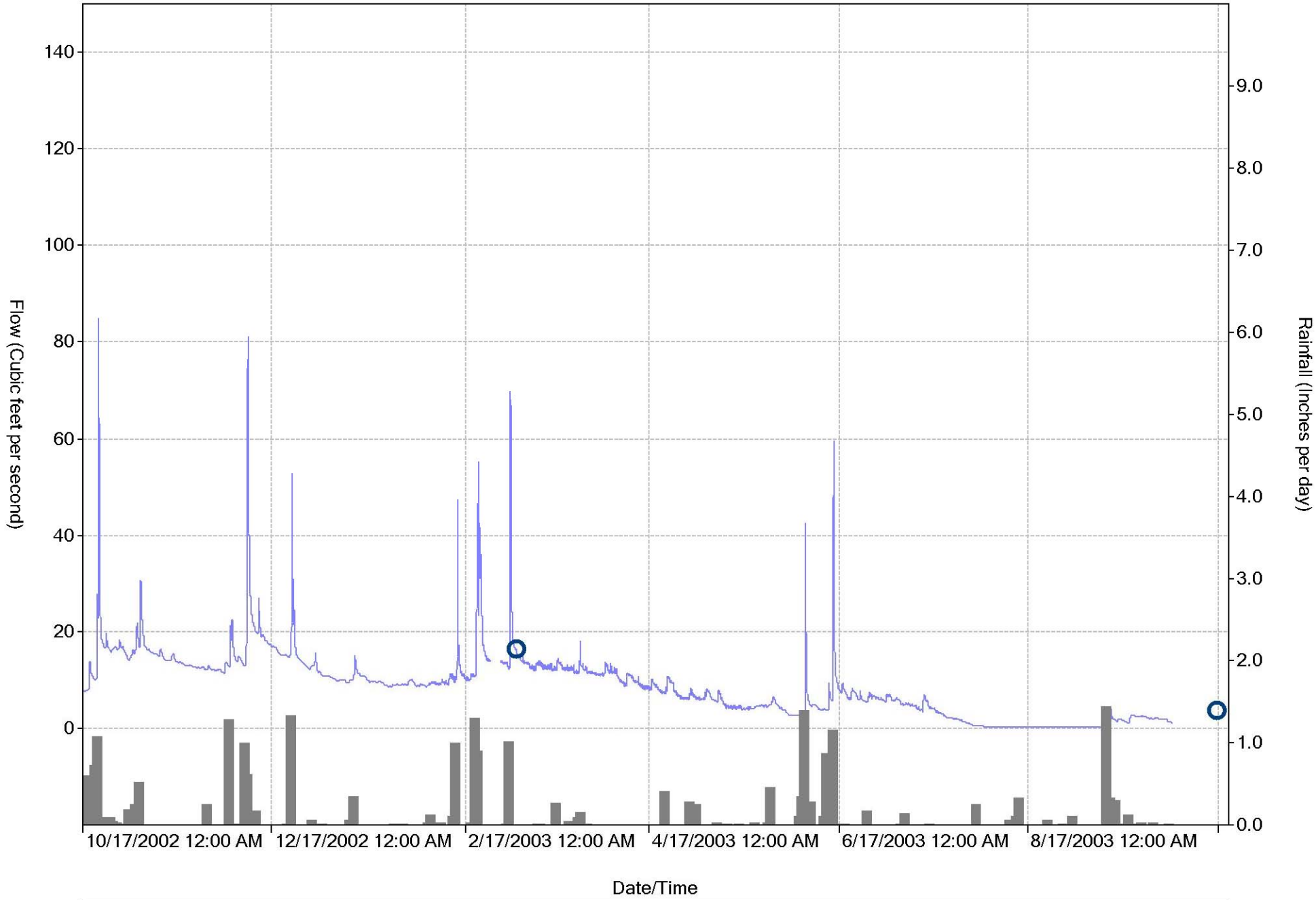
- Surface Water Flow
- Manual Flow Survey Measurements
- Rainfall

Stats:

Surface Water Flow	Min: 0	Max: 73	Avg: 1.5
Manual Flow Survey Measurements	Min: 1	Max: 3	Avg: 1.7
Rainfall	Min: 0.0	Max: 5.5	Avg: 0.09

2004/02/09 13:42

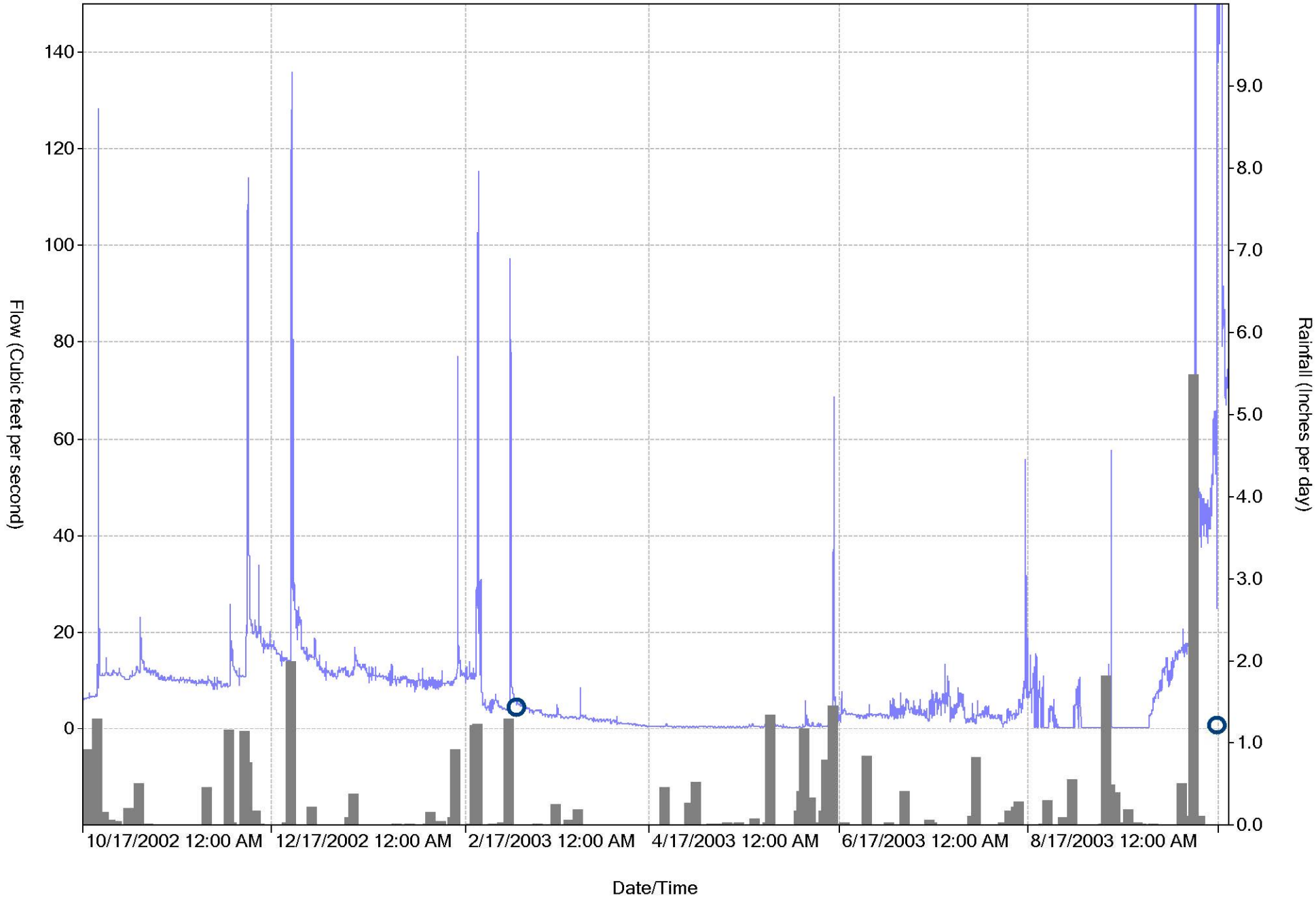
Station Creek at 107 (SC3)
Surface Water Flow data vs Time



Legend:	**Stats:**		
Surface Water Flow	Min: 0	Max: 85	Avg: 8.6
Manual Flow Survey Measurements	Min: 4	Max: 16	Avg: 10.0
Rainfall	Min: 0.0	Max: 1.4	Avg: 0.07

2004/02/09 13:36

Onion Creek at 107 (OC1)
Surface Water Flow data vs Time



Legend:

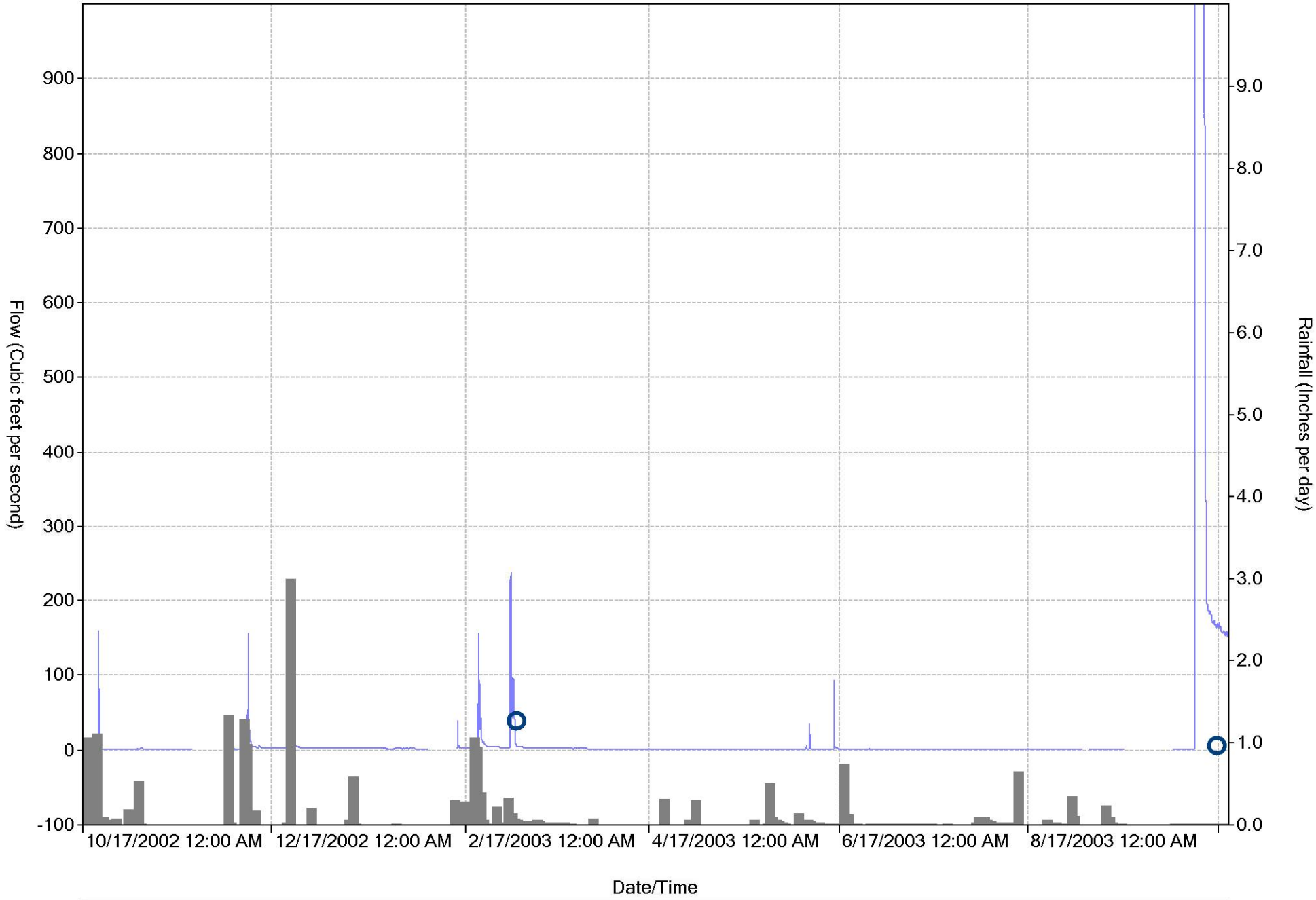
- Surface Water Flow
- Manual Flow Survey Measurements
- Rainfall

Stats:

Surface Water Flow	Min: 0	Max: 388	Avg: 8.6
Manual Flow Survey Measurements	Min: 1	Max: 4	Avg: 2.5
Rainfall	Min: 0.0	Max: 5.5	Avg: 0.10

2004/02/09 13:44

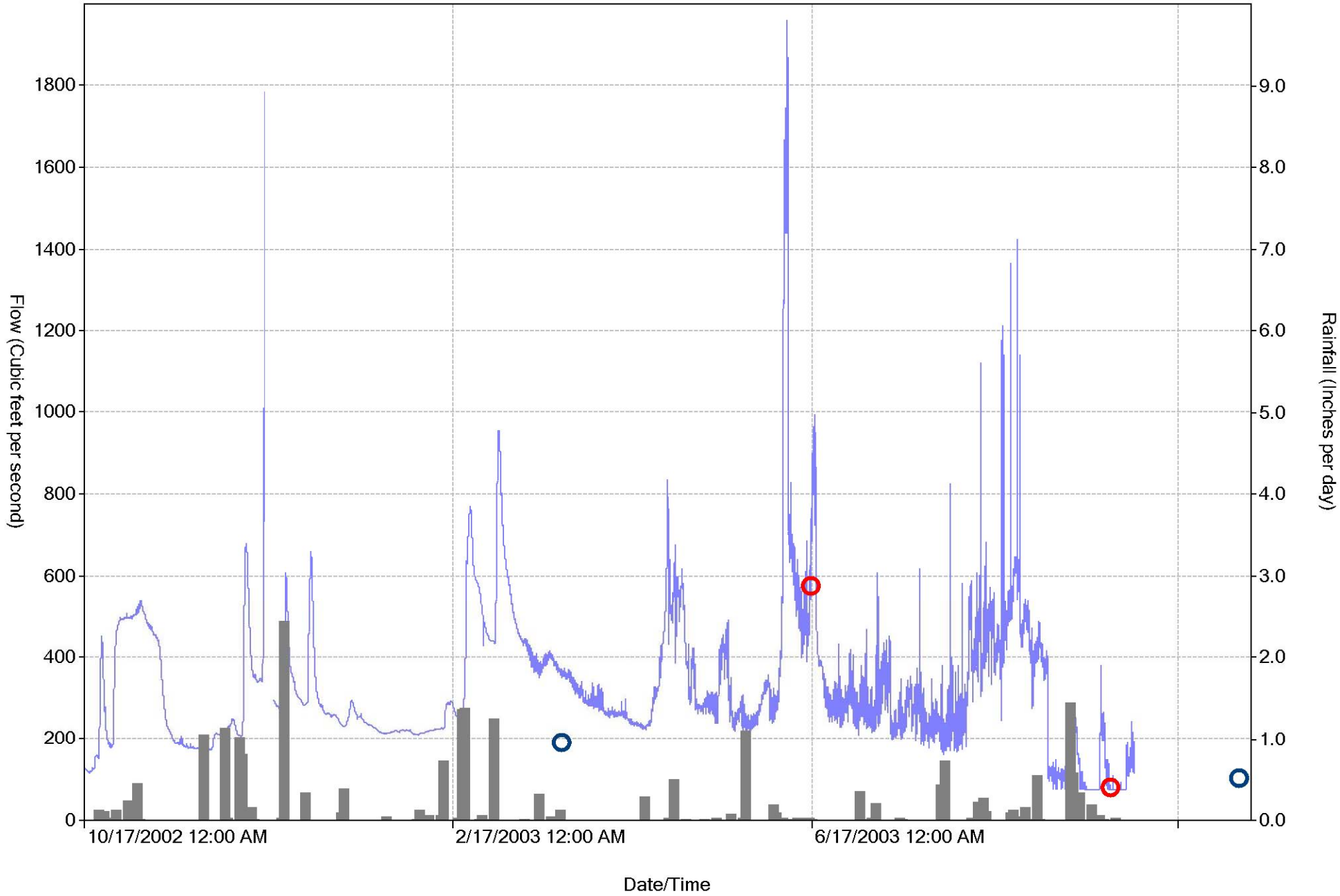
Station Creek at Ogelsby Neff Park Road (SC5)
Surface Water Flow data vs Time



Legend:	Stats:		
Surface Water Flow	Min: 0	Max: 5976	Avg: 44.1
Manual Flow Survey Measurements	Min: 6	Max: 38	Avg: 22.0
Rainfall	Min: 0.0	Max: 3.0	Avg: 0.06

2004/02/09 13:35

Leon River at 236 (LR1)
Surface Water Flow data vs Time

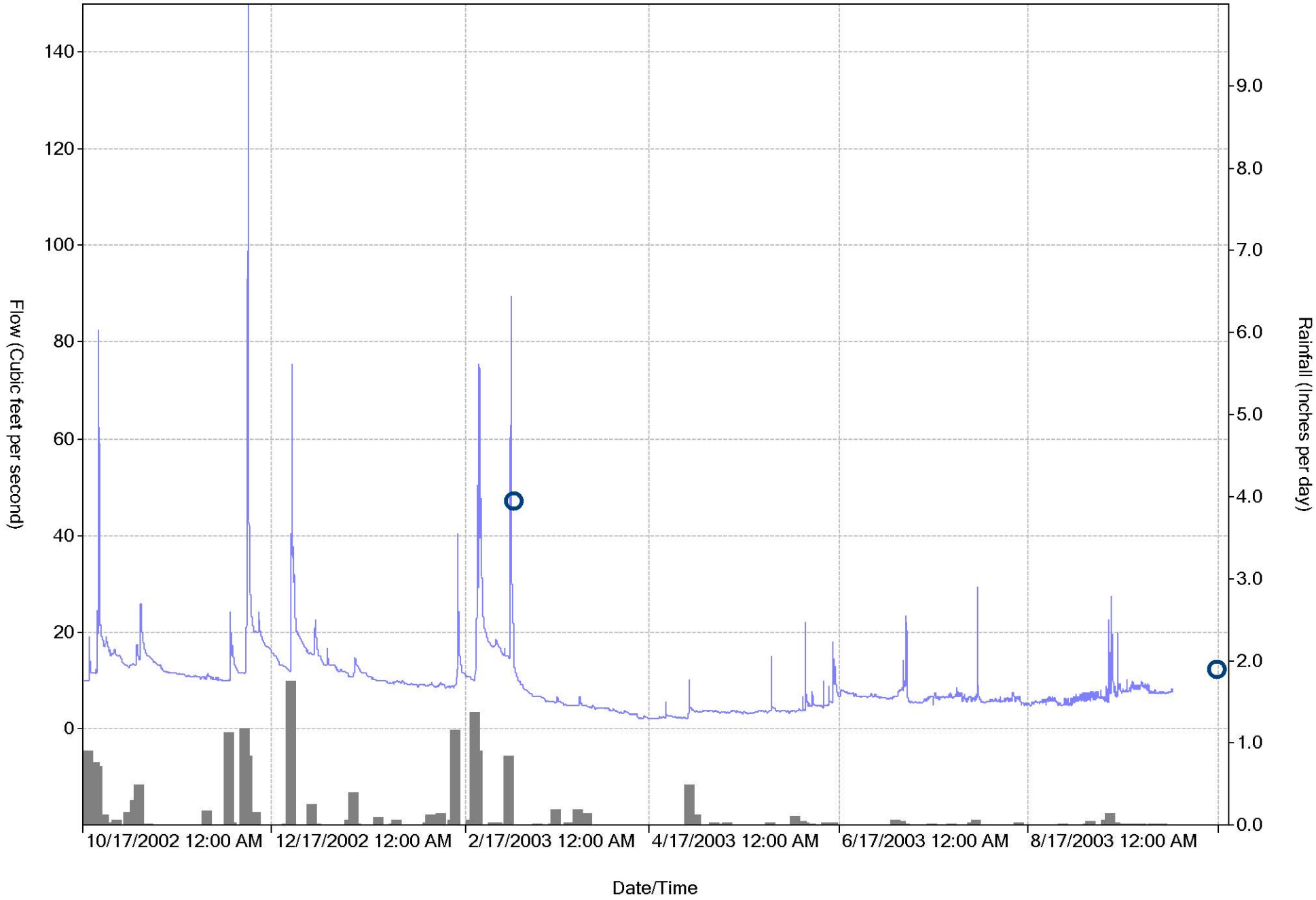


Legend:

	Stats:		
Surface Water Flow	Min: 72	Max: 1960	Avg: 325.1
Manual Flow Survey Measurements	Min: 102	Max: 189	Avg: 145.8
Rainfall	Min: 0.0	Max: 2.4	Avg: 0.06
ADCP Flow Survey Measurements (6 miles downstream of station along the Leon River)	Min: 79	Max: 576	Avg: 327.1

2004/02/09 13:33

Harris Creek at Middle Windsor Road (HC1)
Surface Water Flow data vs Time



Legend:

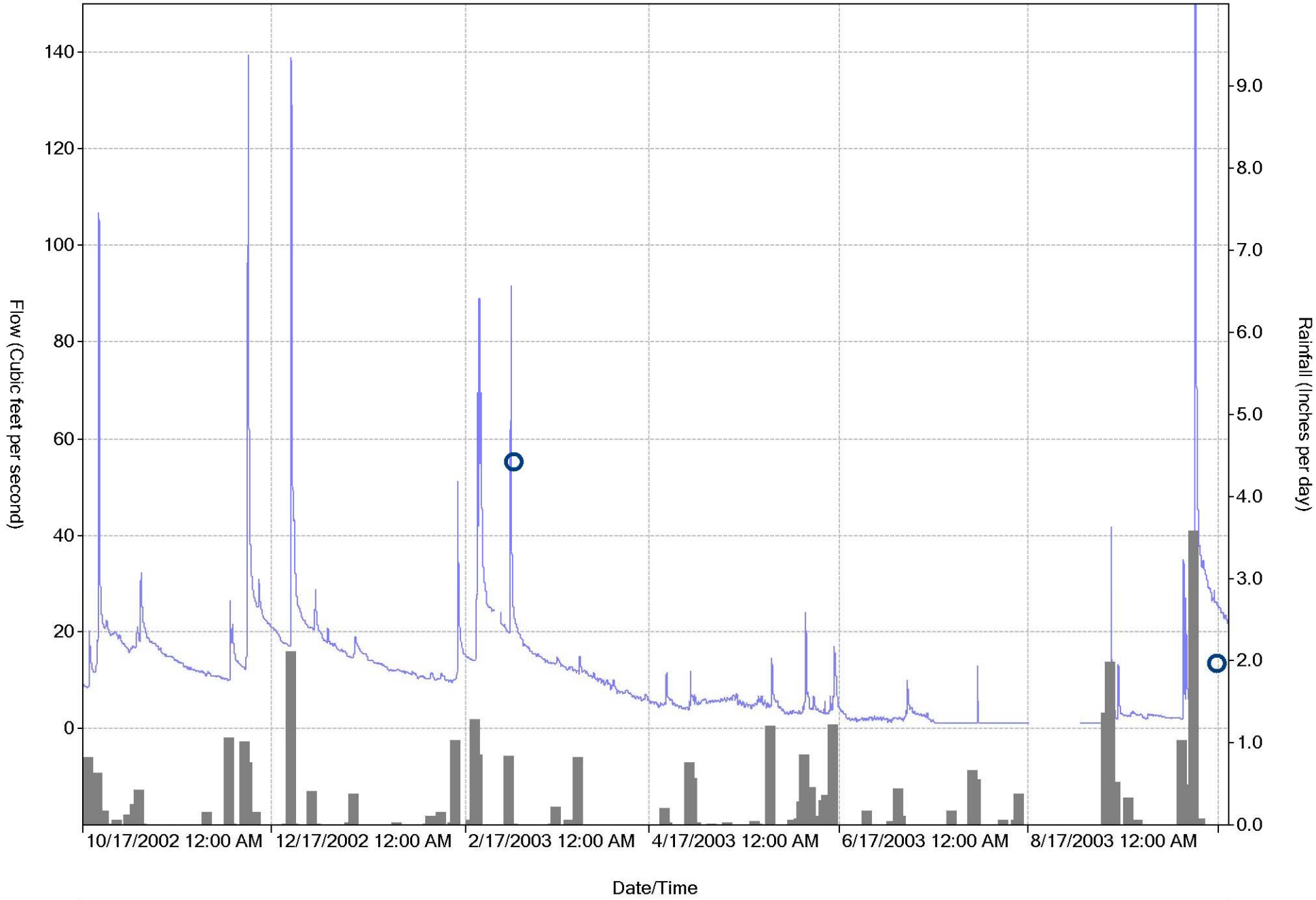
- Surface Water Flow
- Manual Flow Survey Measurements
- Rainfall

Stats:

Surface Water Flow	Min: 2	Max: 158	Avg: 8.9
Manual Flow Survey Measurements	Min: 12	Max: 47	Avg: 29.7
Rainfall	Min: 0.0	Max: 1.8	Avg: 0.05

2004/02/09 13:34

Harris Creek near Val Verde Road (HC2)
Surface Water Flow data vs Time



Legend:

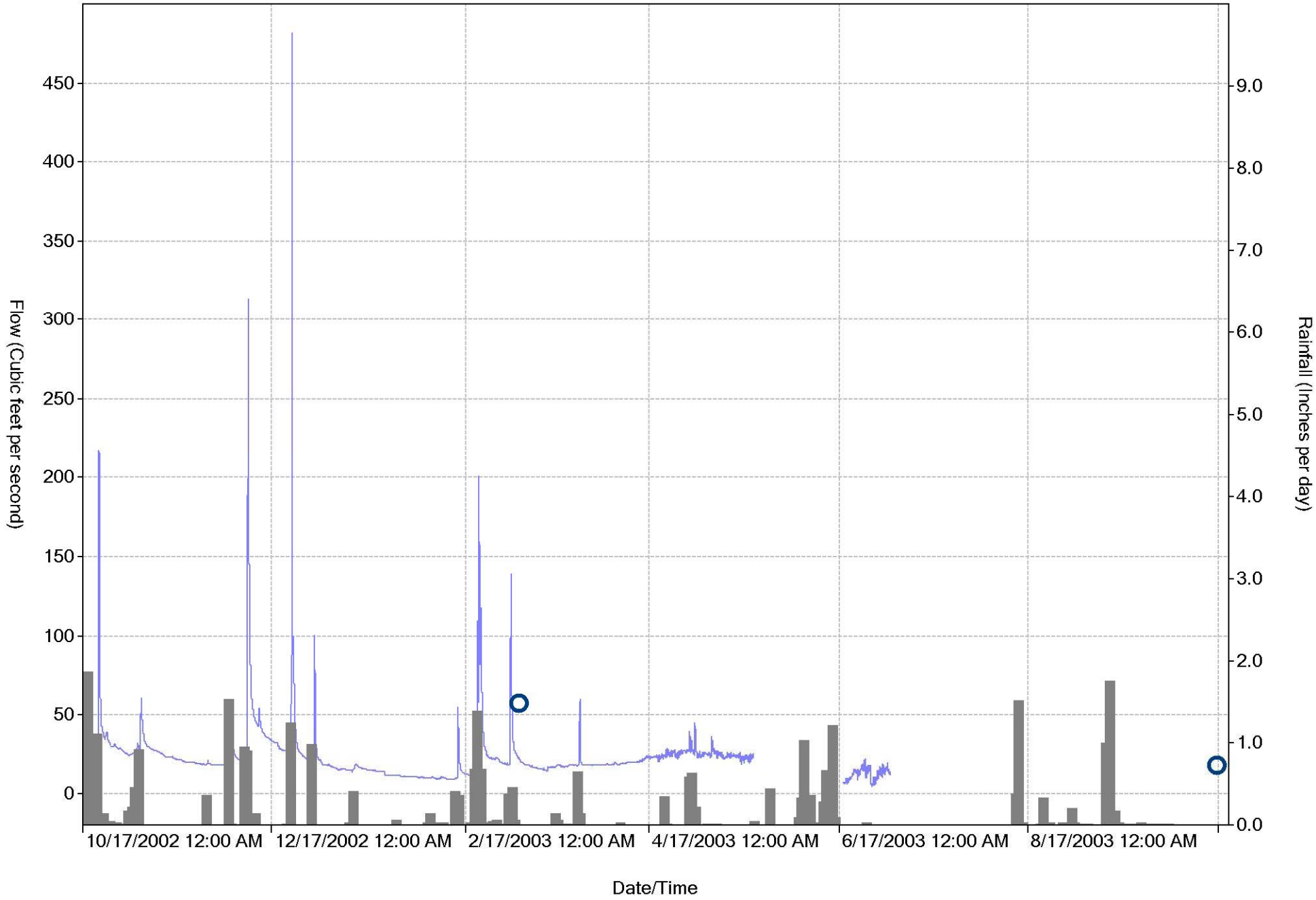
- Surface Water Flow
- Manual Flow Survey Measurements
- Rainfall

Stats:

Surface Water Flow	Min: 1	Max: 1173	Avg: 11.5
Manual Flow Survey Measurements	Min: 13	Max: 55	Avg: 34.2
Rainfall	Min: 0.0	Max: 3.6	Avg: 0.09

2004/02/09 13:39

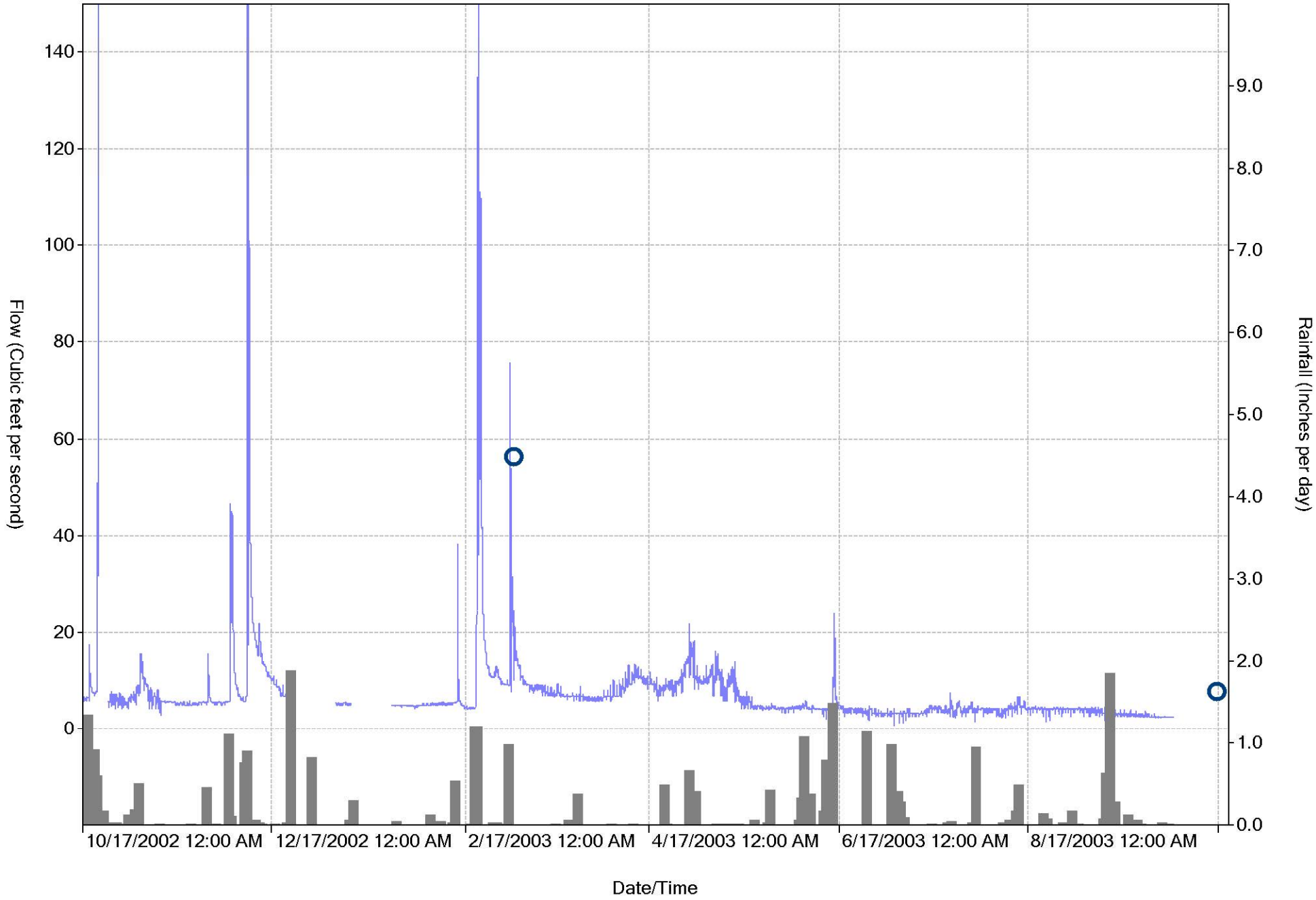
South Bosque River at Church Road (SBR3)
Surface Water Flow data vs Time



Legend:	Stats:		
Surface Water Flow	Min: 4	Max: 482	Avg: 22.6
Manual Flow Survey Measurements	Min: 17	Max: 58	Avg: 37.5
Rainfall	Min: 0.0	Max: 1.9	Avg: 0.10

2004/02/09 13:37

South Bosque River at Indian Trail (SBR1)
Surface Water Flow data vs Time

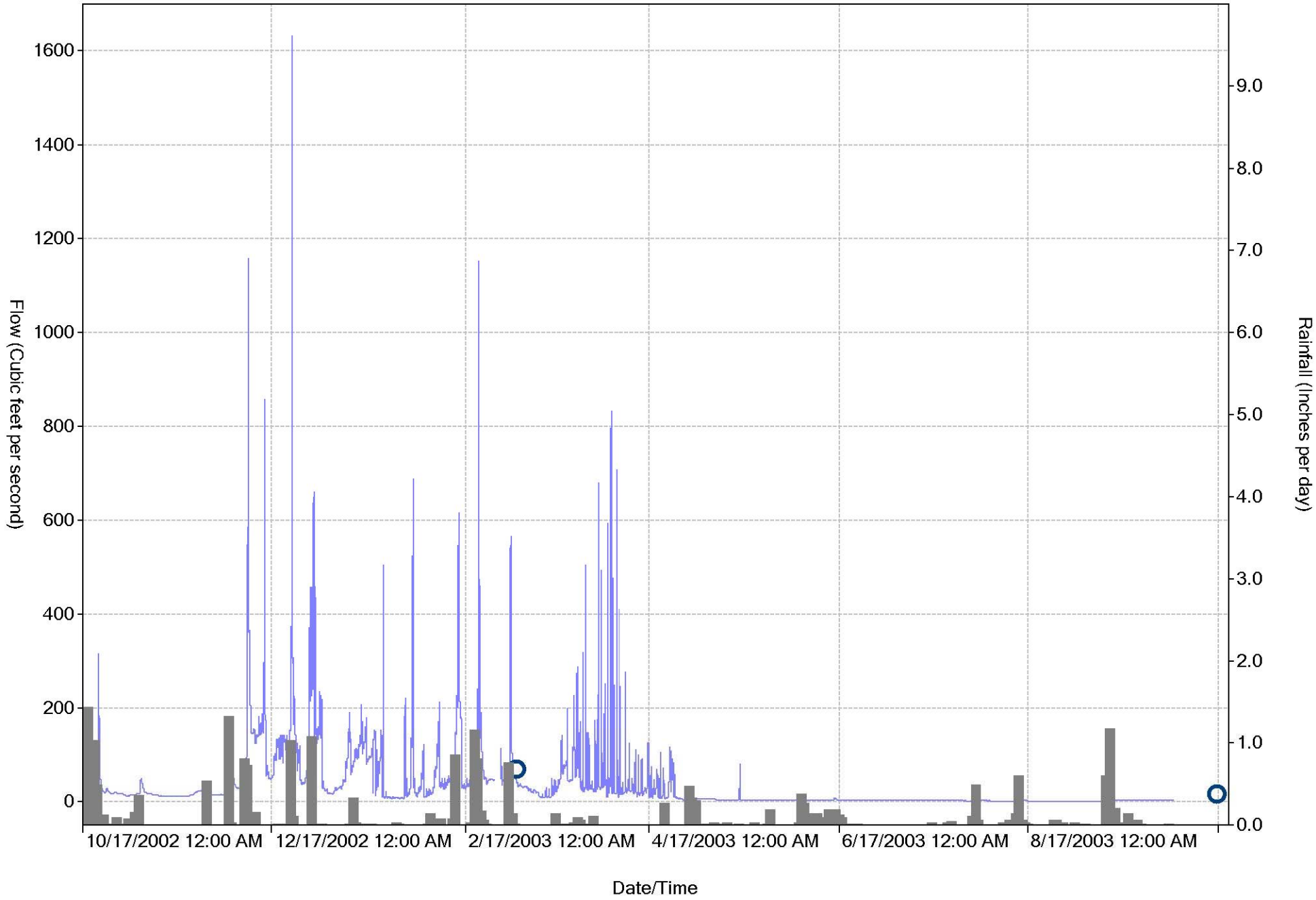


Legend:

	Stats:		
Surface Water Flow	Min: 1	Max: 827	Avg: 7.0
Manual Flow Survey Measurements	Min: 8	Max: 56	Avg: 32.0
Rainfall	Min: 0.0	Max: 1.9	Avg: 0.08

2004/02/09 13:38

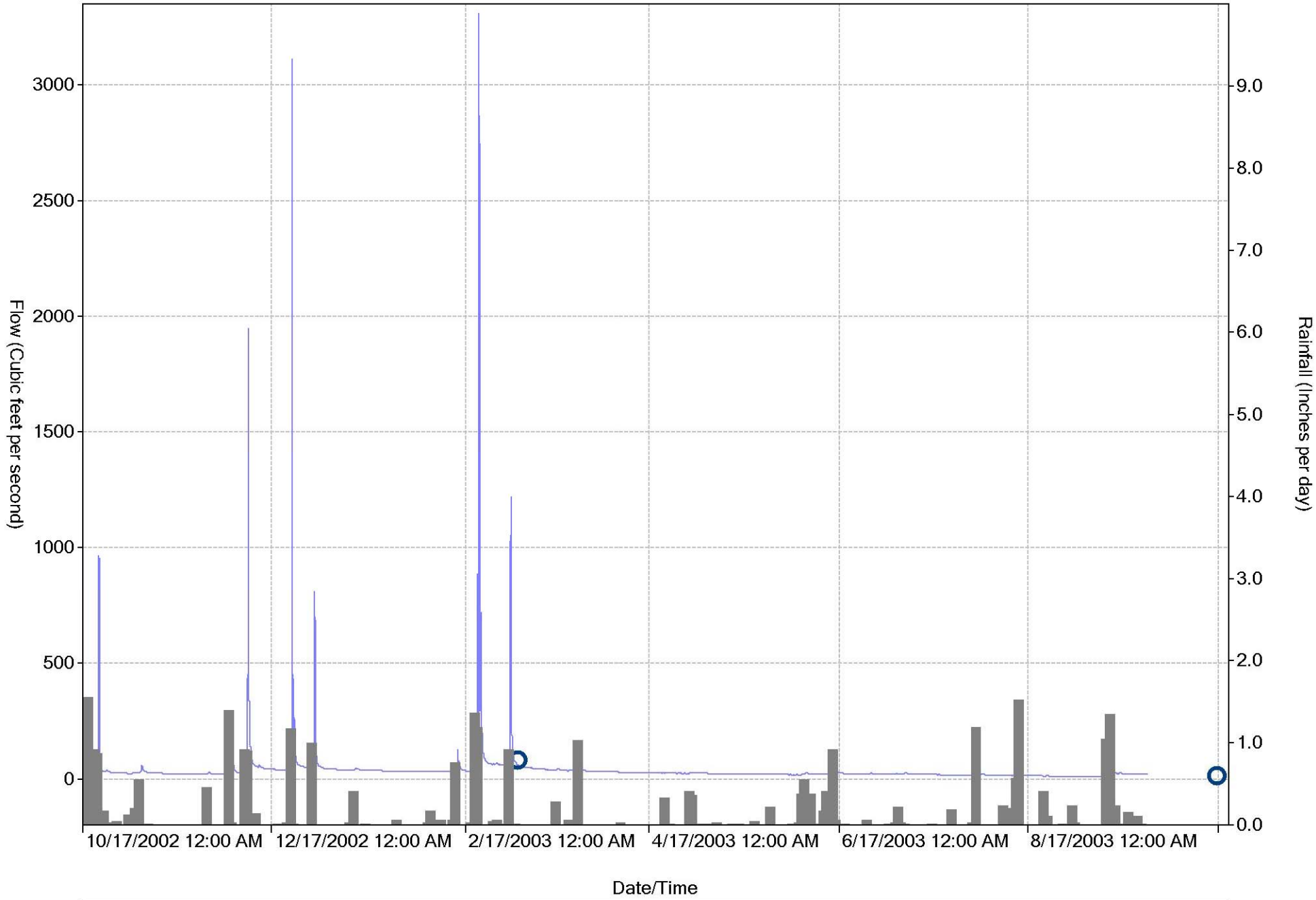
South Bosque River near Cotton Belt Parkway (SBR2)
Surface Water Flow data vs Time



Legend:	Stats:		
Surface Water Flow	Min: 0	Max: 1632	Avg: 33.8
Manual Flow Survey Measurements	Min: 14	Max: 67	Avg: 40.7
Rainfall	Min: 0.0	Max: 1.4	Avg: 0.06

2004/02/09 13:40

South Bosque River near Ruff Road (SBR4)
Surface Water Flow data vs Time

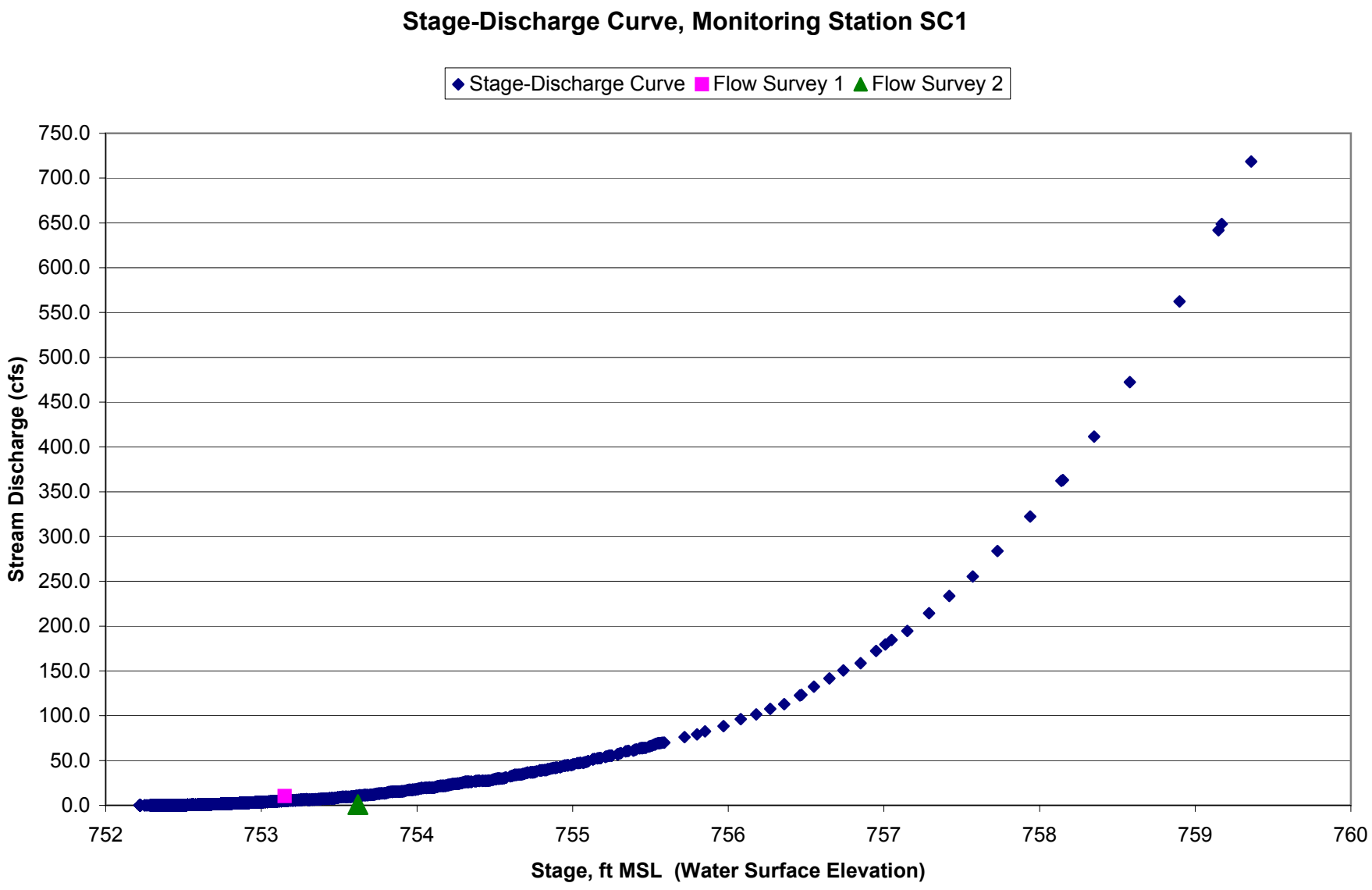


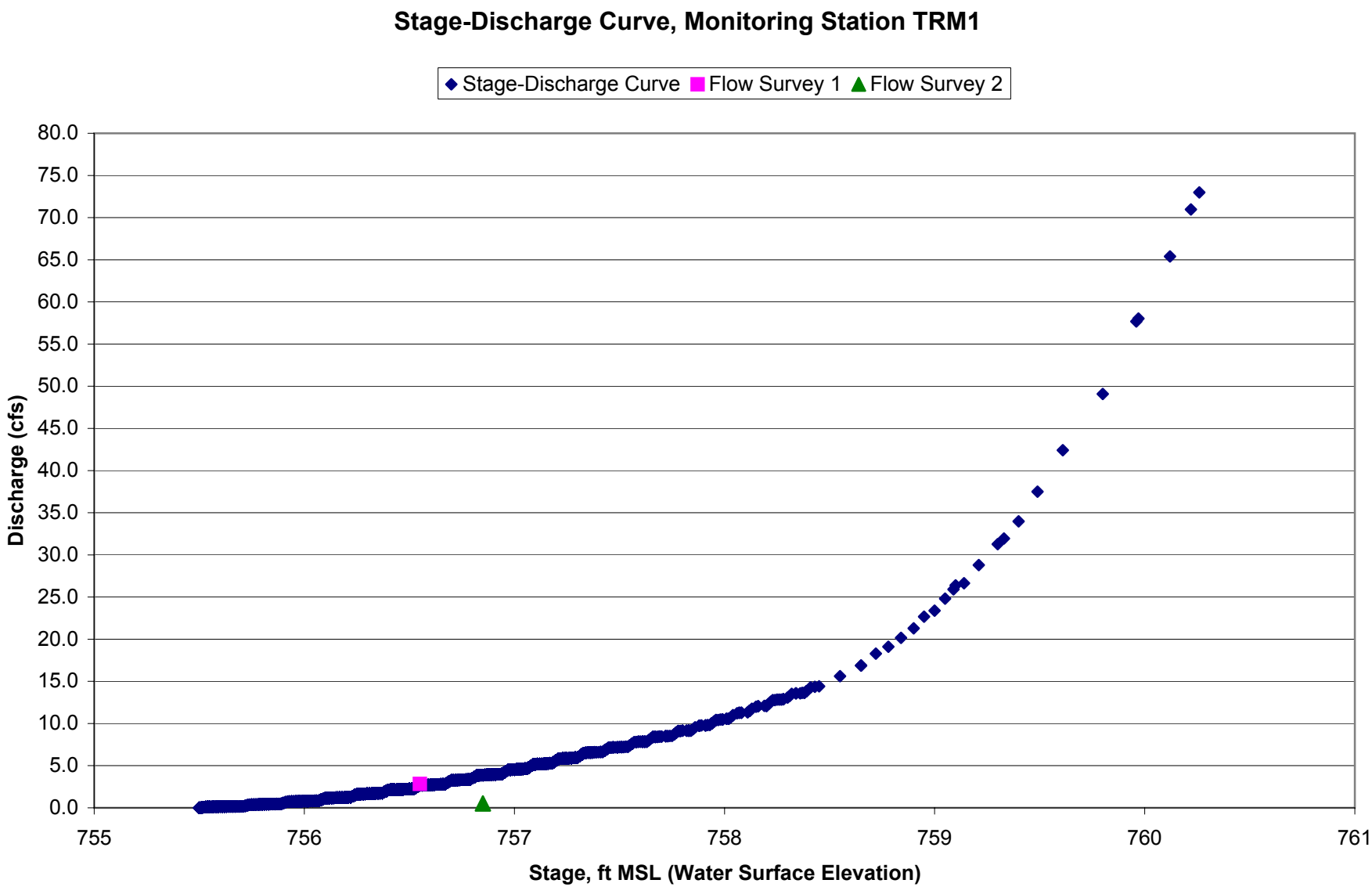
Legend:
- Surface Water Flow
- Manual Flow Survey Measurements
- Rainfall

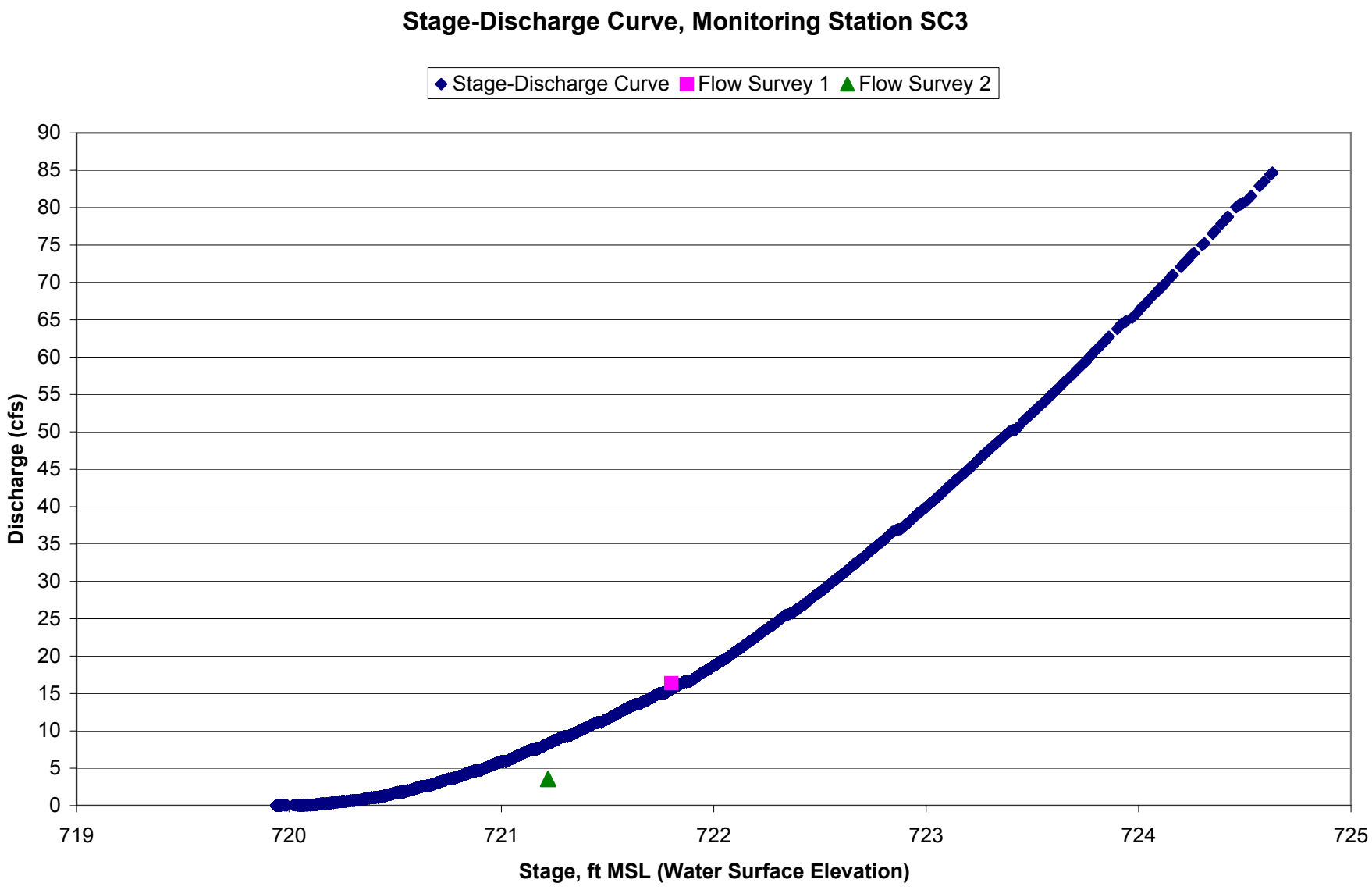
Stats:

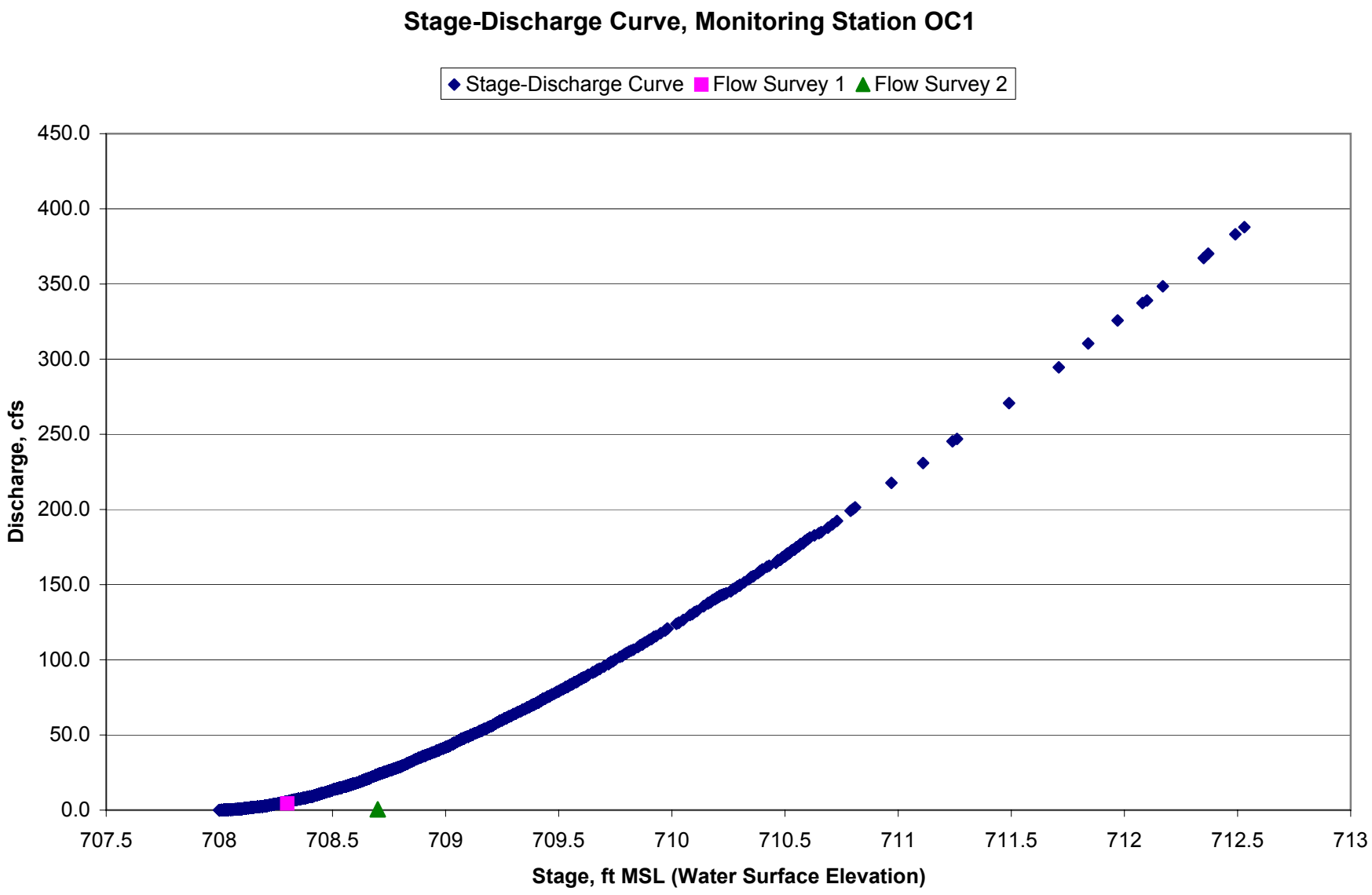
Surface Water Flow	Min: 5	Max: 3308	Avg: 33.8
Manual Flow Survey Measurements	Min: 11	Max: 80	Avg: 45.2
Rainfall	Min: 0.0	Max: 1.5	Avg: 0.09

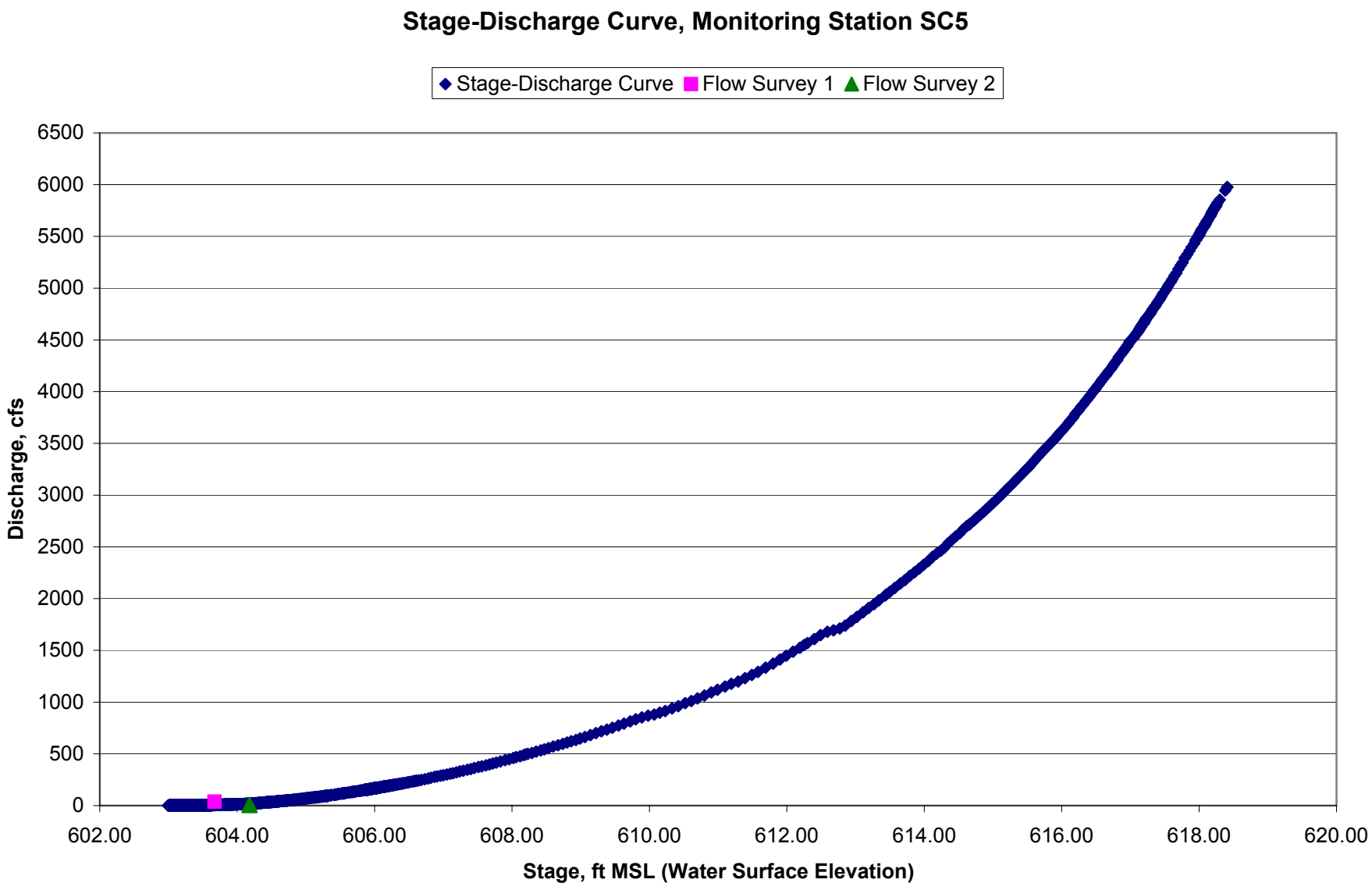
Stage-Discharge Curves at Longitudinal Monitoring Stations

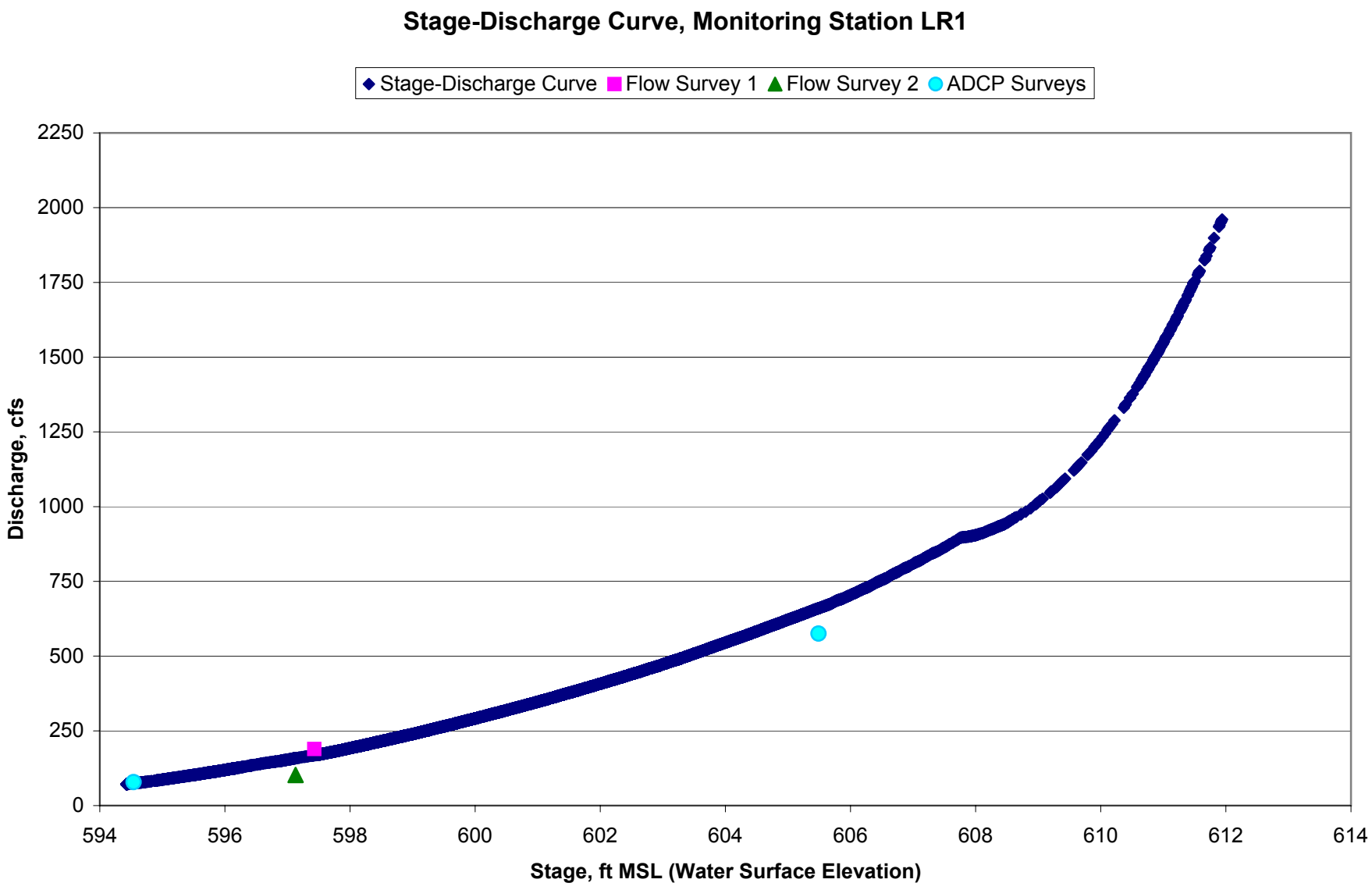

Stage-Discharge Curve, Monitoring Station SC1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Stream Discharge (cfs)
750.0
700.0
650.0
600.0
550.0
500.0
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
752
753
754
755
756
757
758
759
760
Stage, ft MSL (Water Surface Elevation)

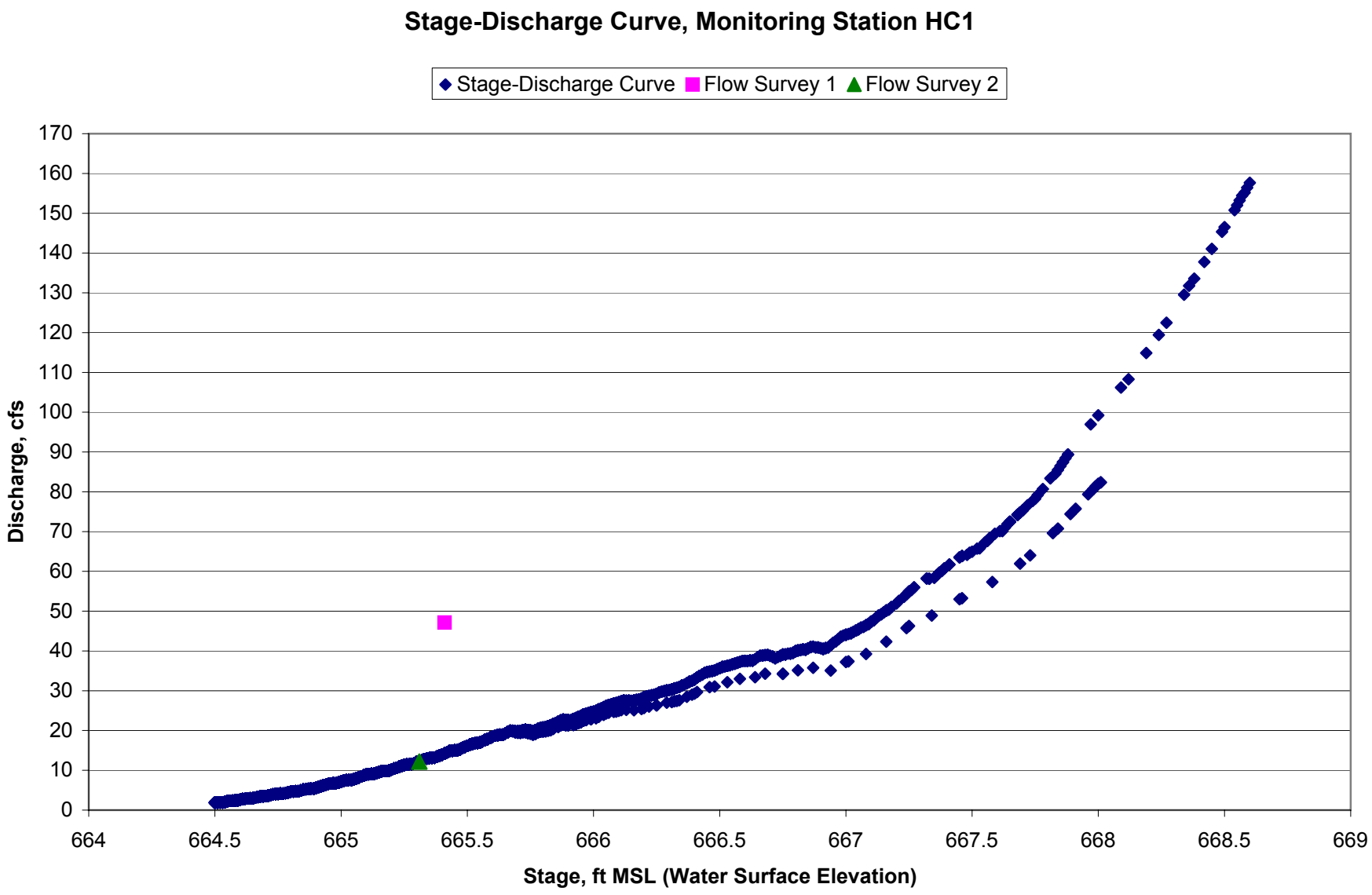

Stage-Discharge Curve, Monitoring Station TRM1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge (cfs)
80.0
75.0
70.0
65.0
60.0
55.0
50.0
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
755
756
757
758
759
760
761
Stage, ft MSL (Water Surface Elevation)

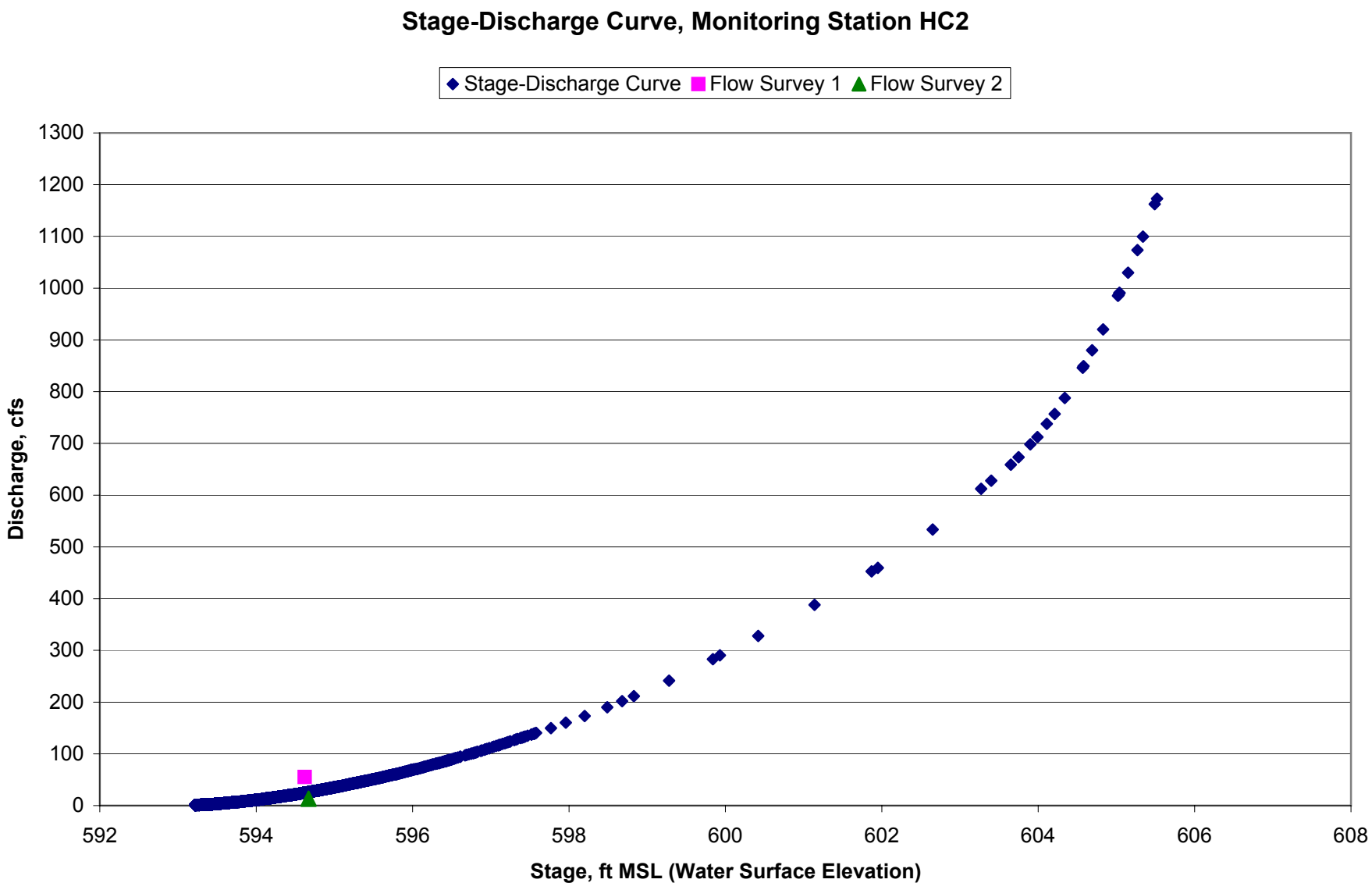

Stage-Discharge Curve, Monitoring Station SC3
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge (cfs)
90
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
719
720
721
722
723
724
725
Stage, ft MSL (Water Surface Elevation)

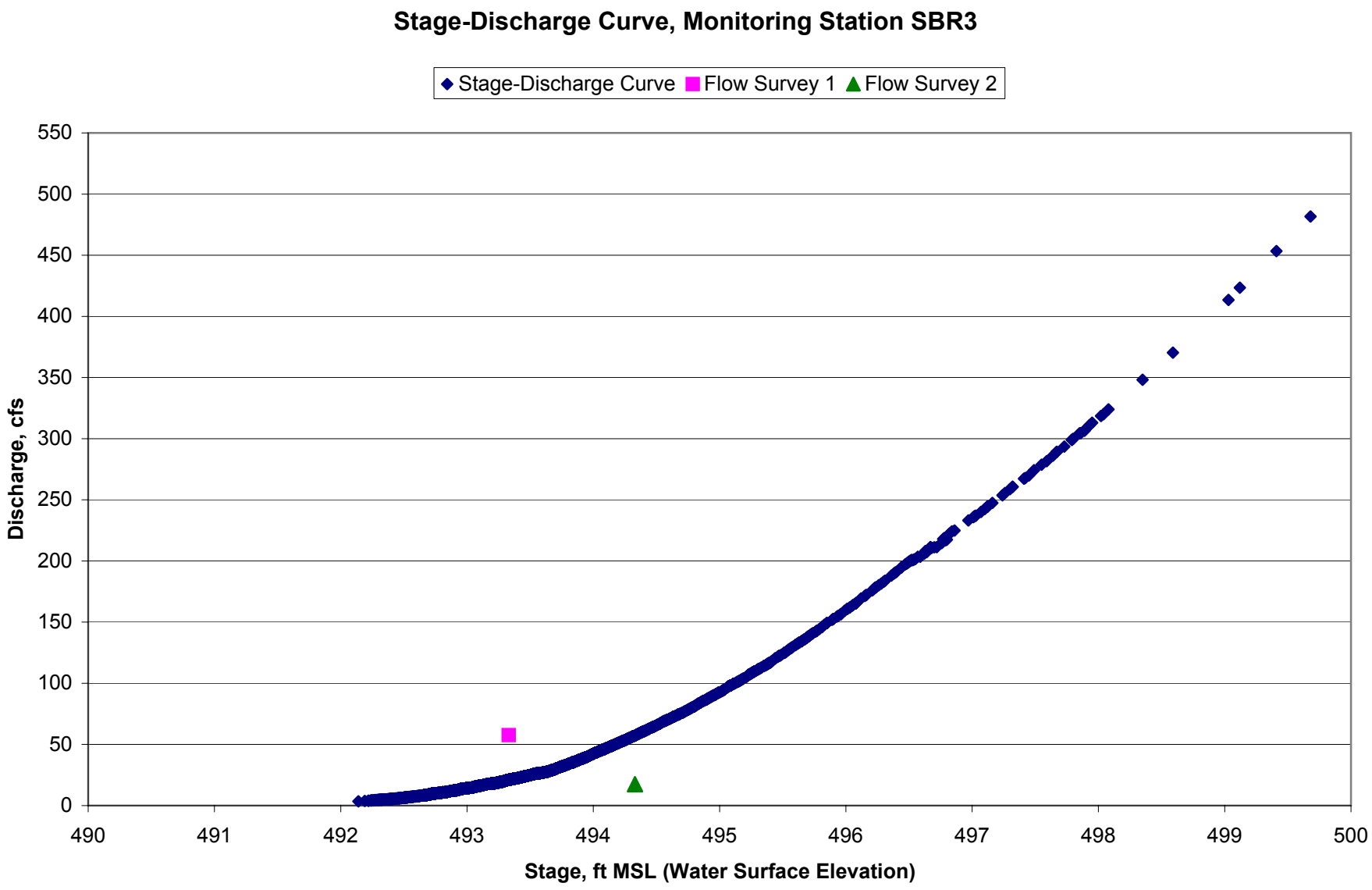

Stage-Discharge Curve, Monitoring Station OC1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Discharge, cfs
707.5
708
708.5
709
709.5
710
710.5
711
711.5
712
712.5
713
Stage, ft MSL (Water Surface Elevation)

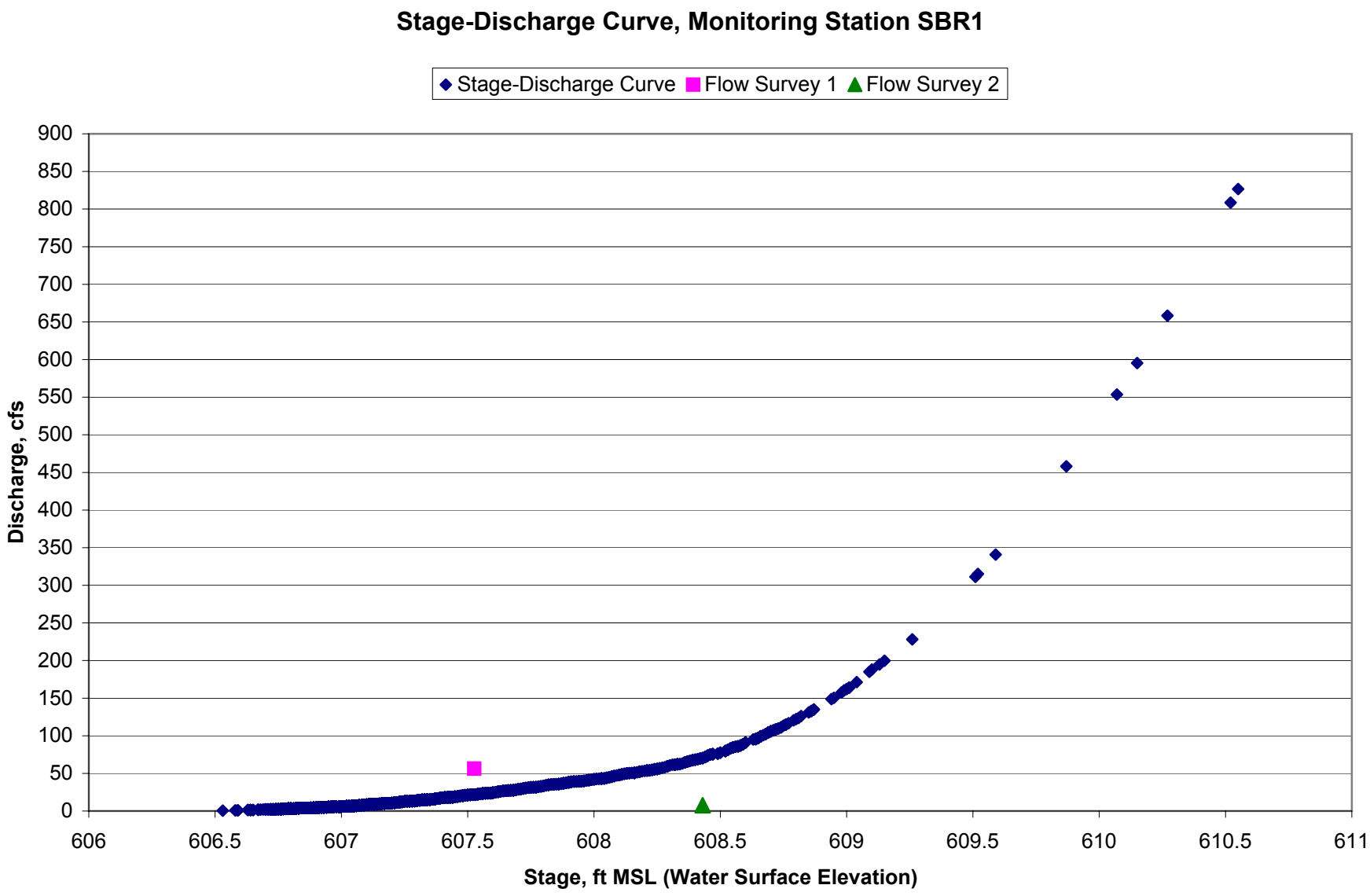

Stage-Discharge Curve, Monitoring Station SC5
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
602.00
604.00
606.00
608.00
610.00
612.00
614.00
616.00
618.00
620.00
Stage, ft MSL (Water Surface Elevation)

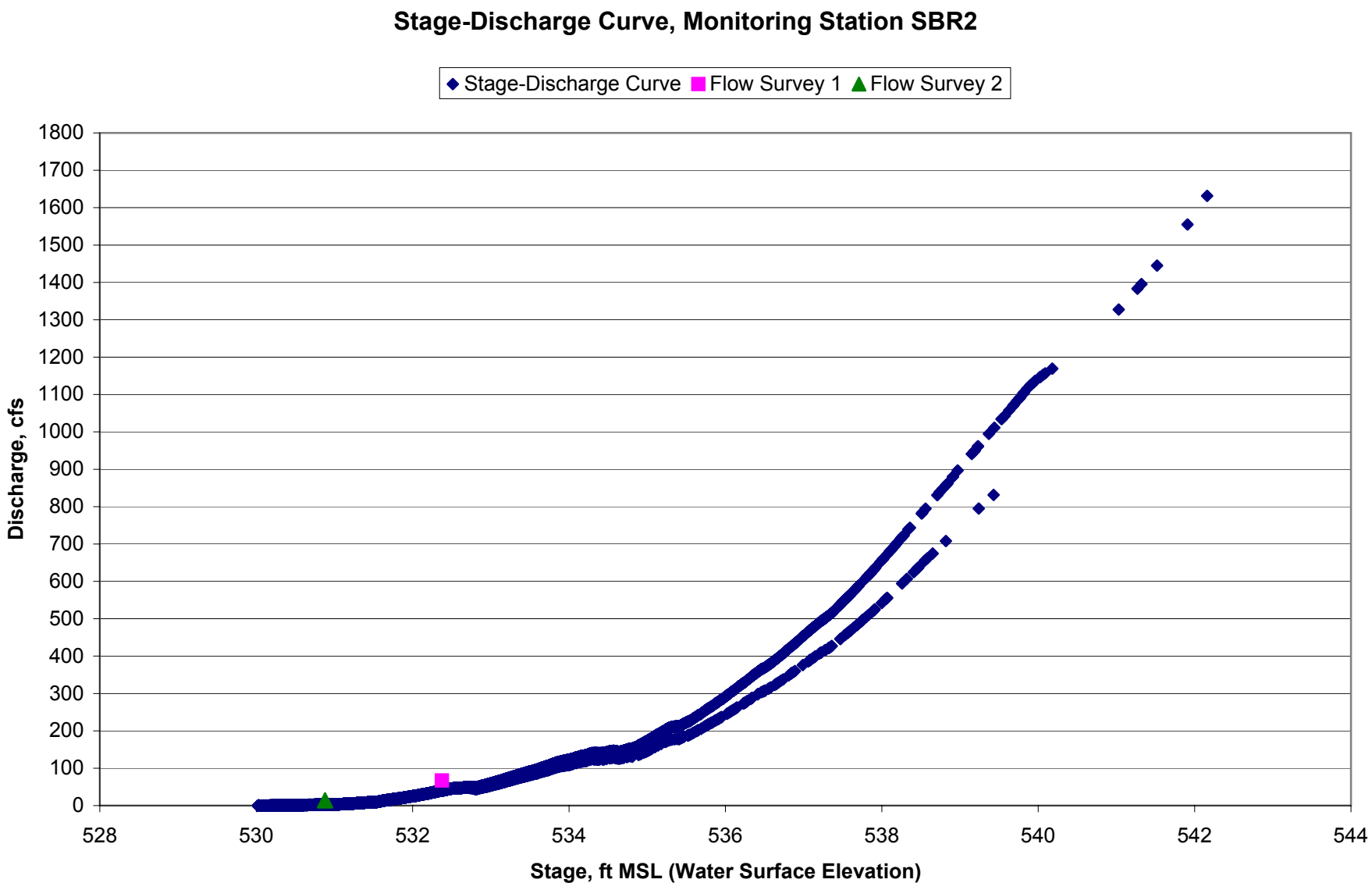

Stage-Discharge Curve, Monitoring Station LR1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
ADCP Surveys
Discharge, cfs
2250
2000
1750
1500
1250
1000
750
500
250
0
594
596
598
600
602
604
606
608
610
612
614
Stage, ft MSL (Water Surface Elevation)

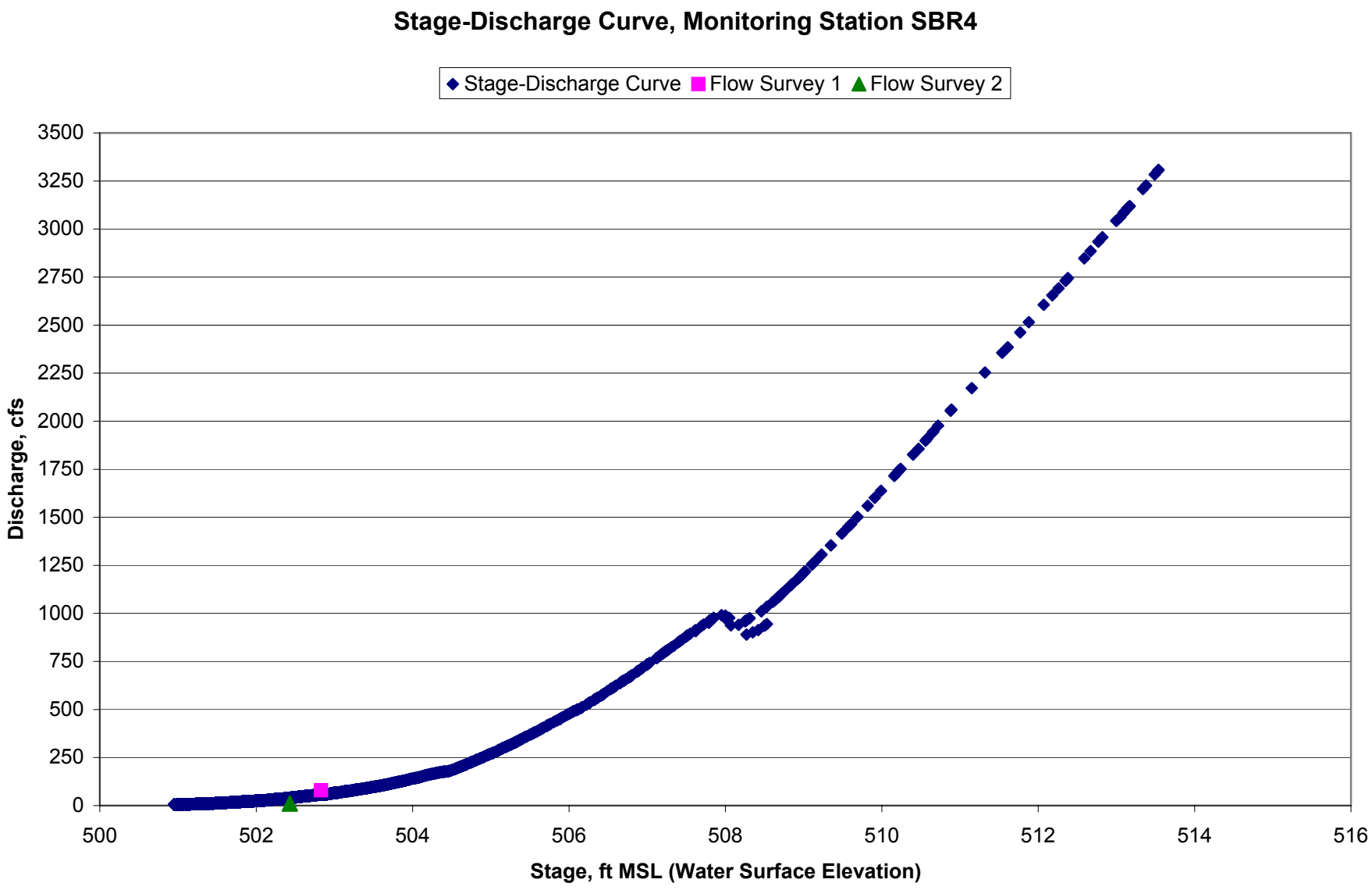

Stage-Discharge Curve, Monitoring Station HC1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
664
664.5
665
665.5
666
666.5
667
667.5
668
668.5
669
Stage, ft MSL (Water Surface Elevation)


Stage-Discharge Curve, Monitoring Station HC2
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
592
594
596
598
600
602
604
606
608
Stage, ft MSL (Water Surface Elevation)


Stage-Discharge Curve, Monitoring Station SBR3
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
550
500
450
400
350
300
250
200
150
100
50
0
490
491
492
493
494
495
496
497
498
499
500
Stage, ft MSL (Water Surface Elevation)


Stage-Discharge Curve, Monitoring Station SBR1
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
900
850
800
750
700
650
600
550
500
450
400
350
300
250
200
150
100
50
0
606
606.5
607
607.5
608
608.5
609
609.5
610
610.5
611
Stage, ft MSL (Water Surface Elevation)


Stage-Discharge Curve, Monitoring Station SBR2
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
528
530
532
534
536
538
540
542
544
Stage, ft MSL (Water Surface Elevation)

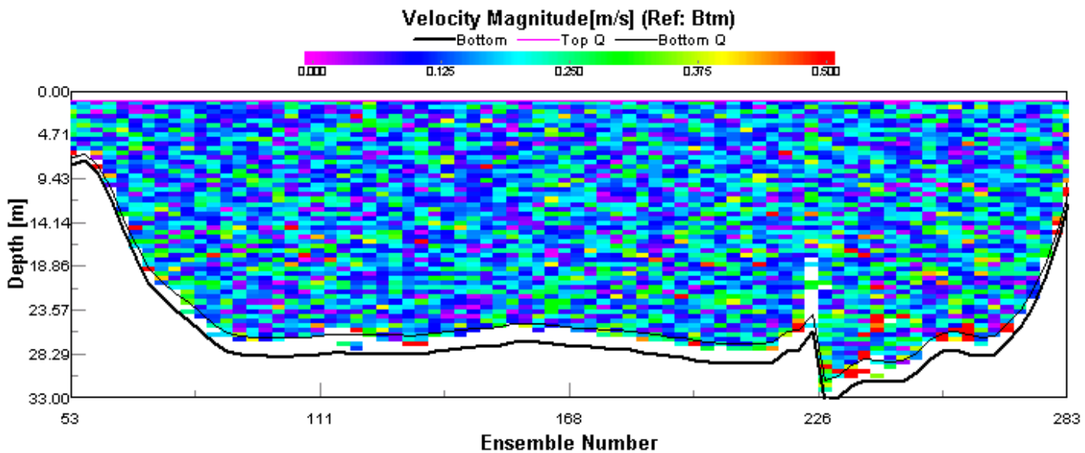

Stage-Discharge Curve, Monitoring Station SBR4
Stage-Discharge Curve
Flow Survey 1
Flow Survey 2
Discharge, cfs
3500
3250
3000
2750
2500
2250
2000
1750
1500
1250
1000
750
500
250
0
500
502
504
506
508
510
512
514
516
Stage, ft MSL (Water Surface Elevation)

Appendix Q

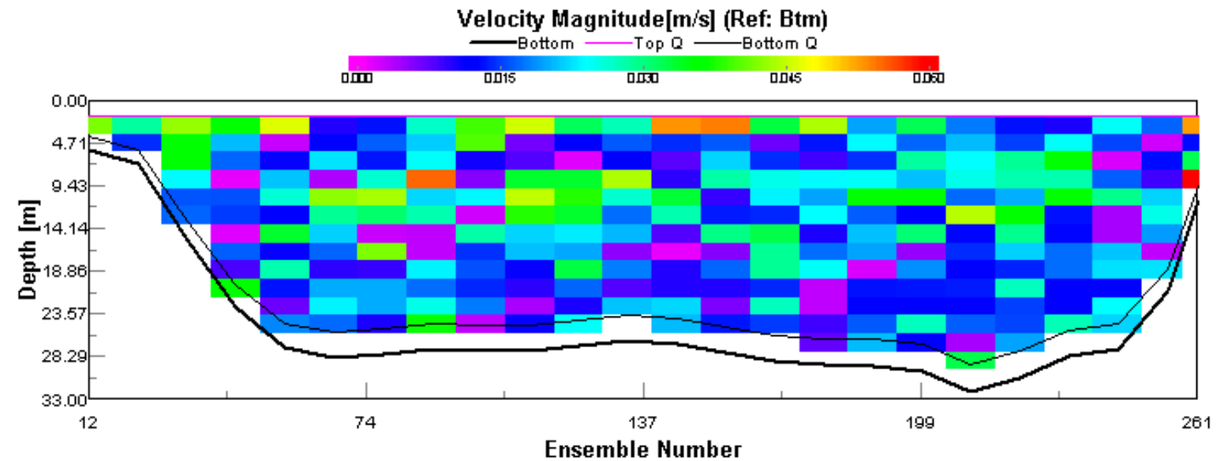
CONTOUR PLOTS OF CURRENT DATA

CONTOUR PLOTS OF CURRENT DATA – TRANSECT 1

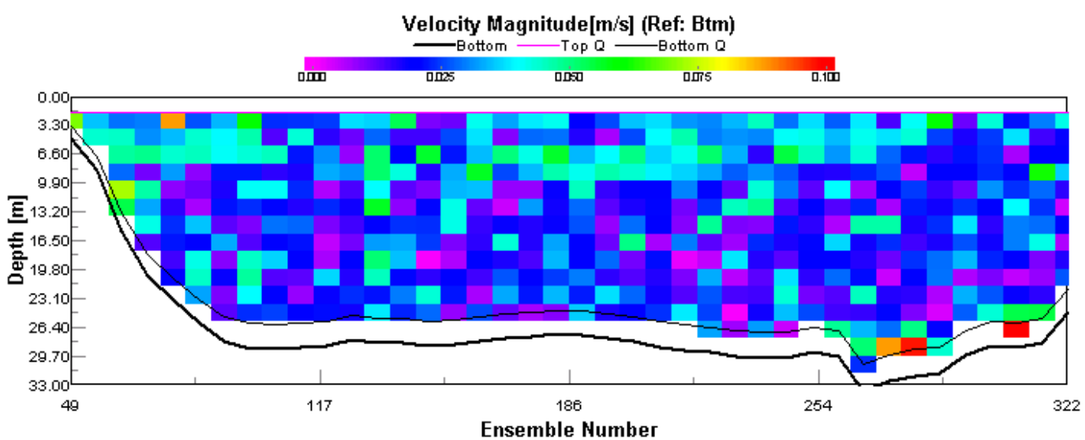
Spring –2003
Average: 2 ensembles
Discharge: 134.15 m^3/s



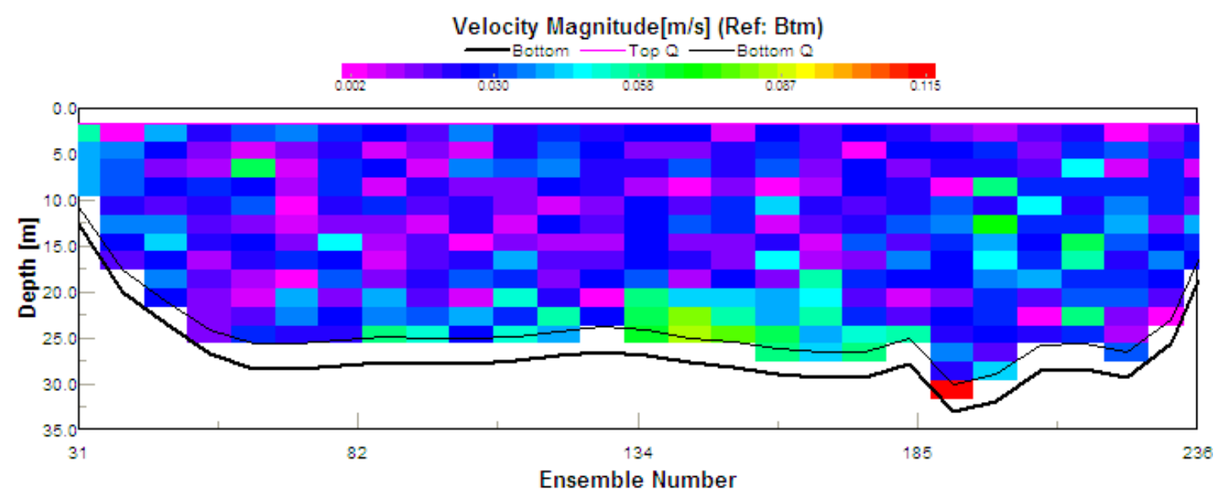
Fall – 2003
Average: 11 ensembles
Discharge: 8.18 m^3/s



Summer – 2003
Average: 7 ensembles
Discharge: 68 m^3/s



Winter – 2003
Average: 8 ensembles
Discharge: 91 m^3/s



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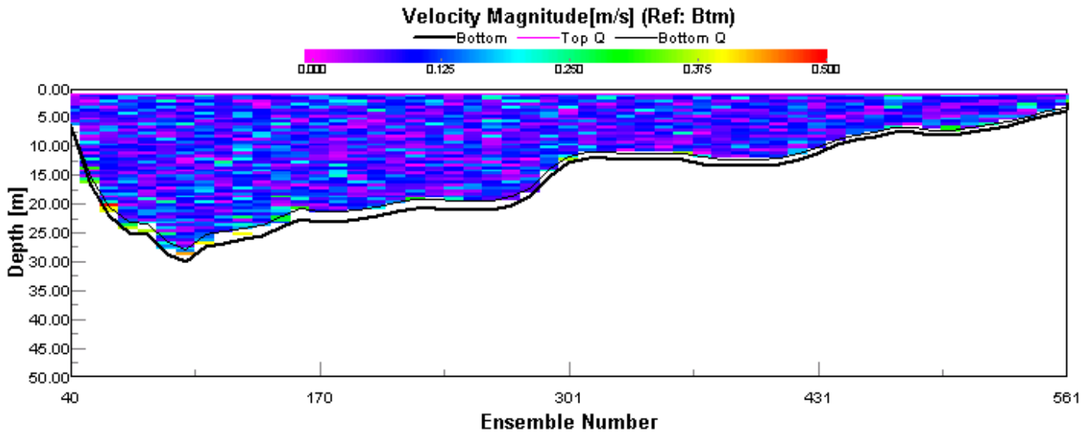
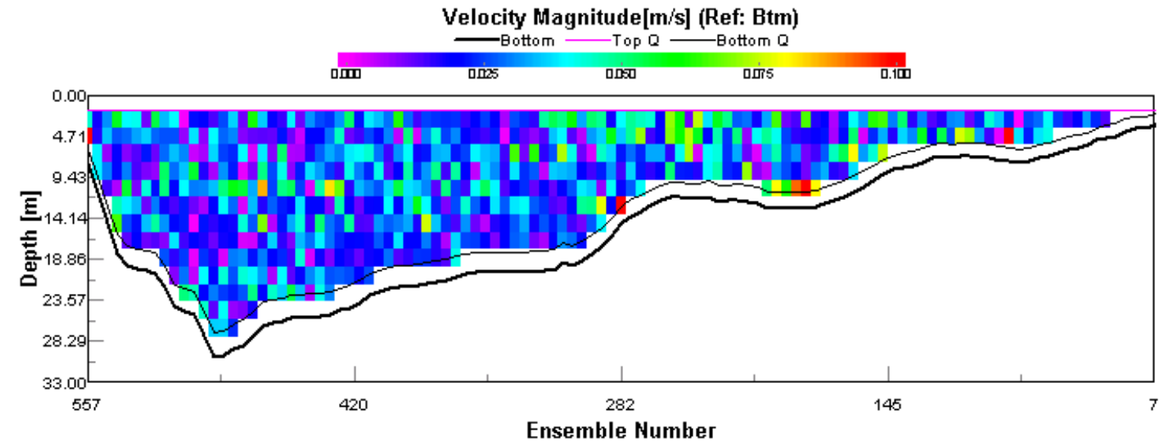
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 2

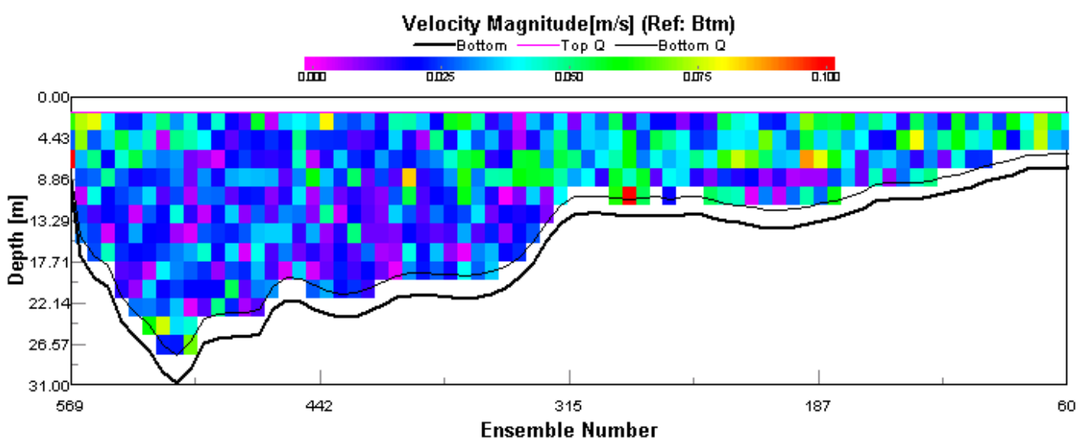
Spring – 2003
Average: 10 ensembles
Discharge: 188.08 m^3/s



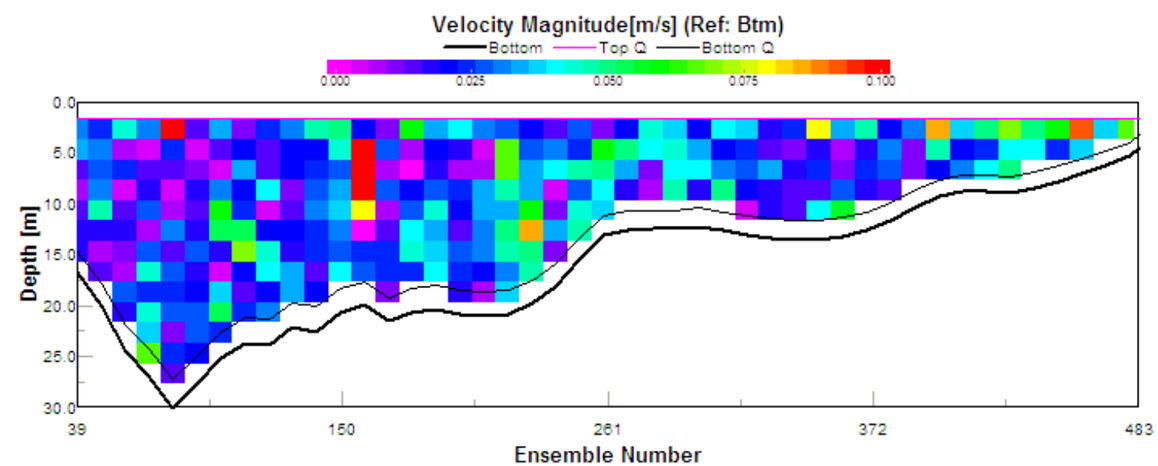
Fall – 2003
Average: 5 ensembles
Discharge: 10.07 m^3/s



Summer - 2003
Average: 7 ensembles
Discharge: 318 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 91 m^3/s



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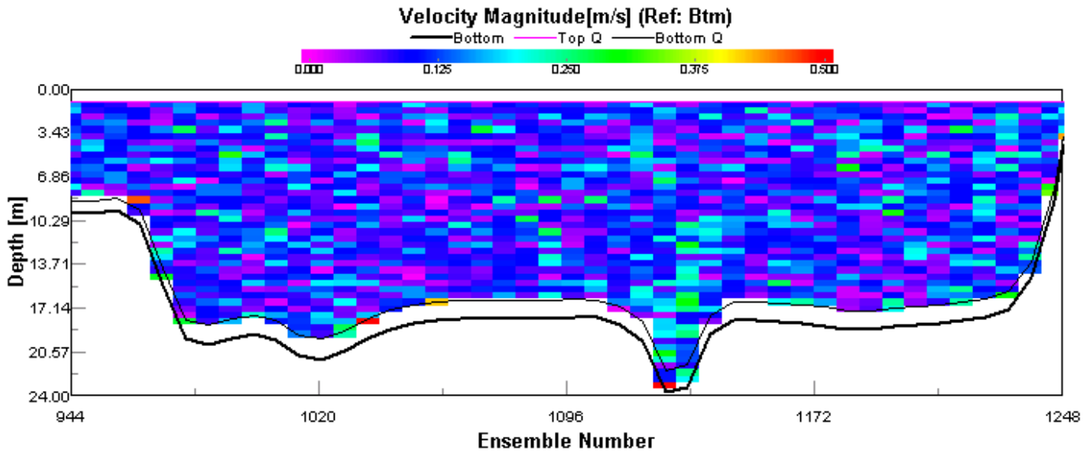
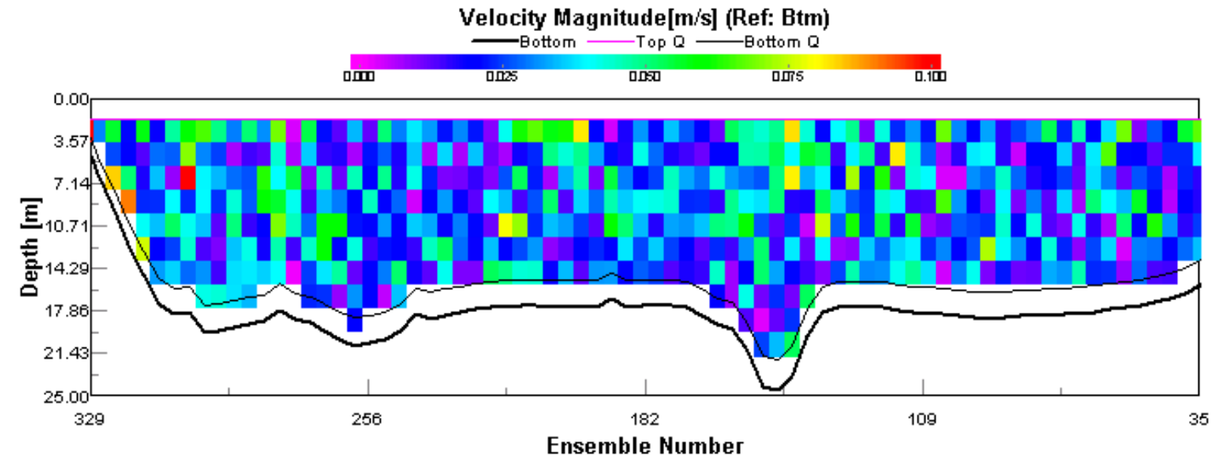
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 3

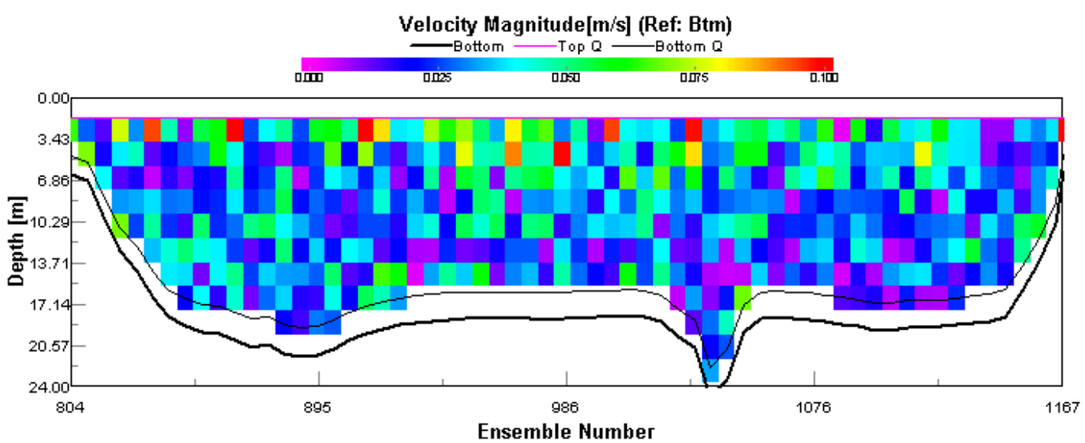
Spring – 2003
Average: 7 ensembles
Discharge: 56.80 m^3/s



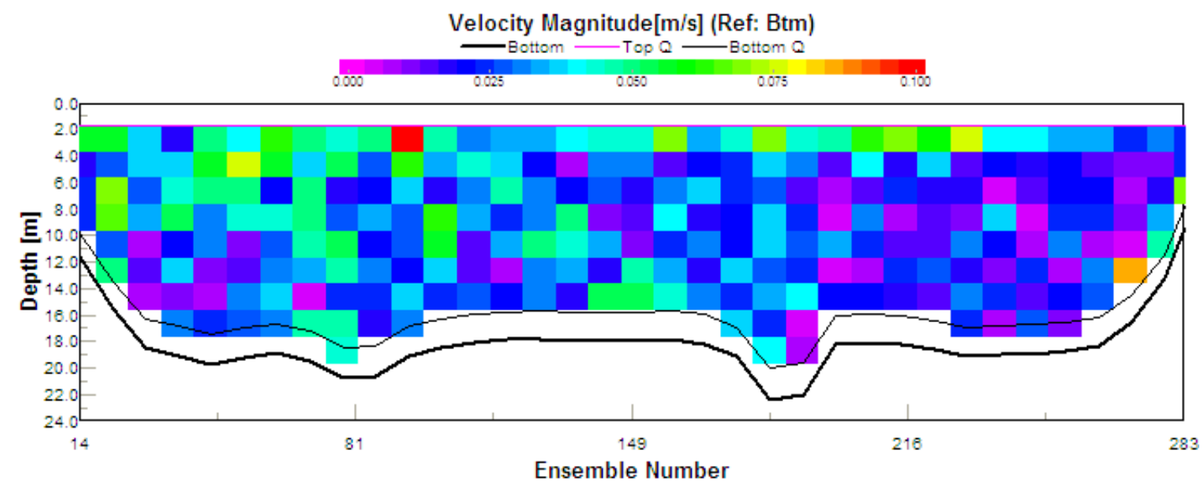
Fall – 2003
Average: 4 ensembles
Discharge: 63 m^3/s



Summer – 2003
Average: 6 ensembles
Discharge: 44 m^3/s



Winter – 2003
Average: 8 ensembles
Discharge: 104 m^3/s



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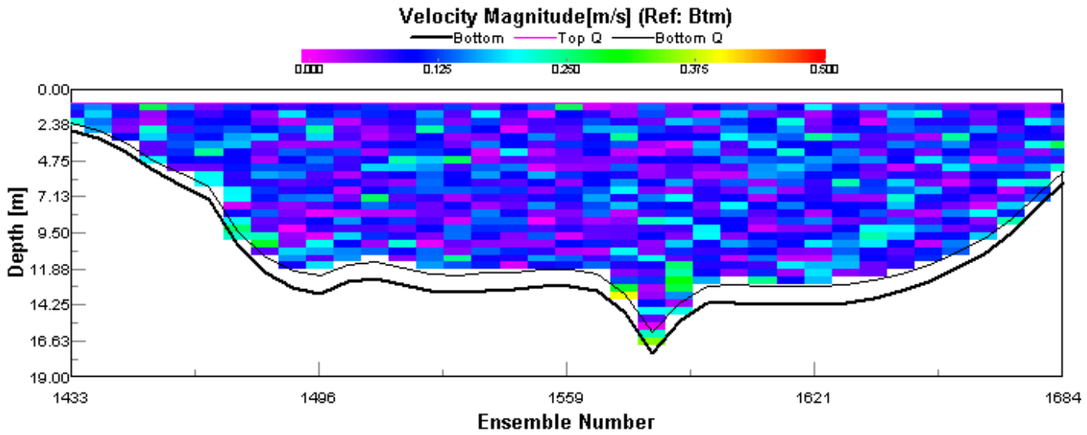
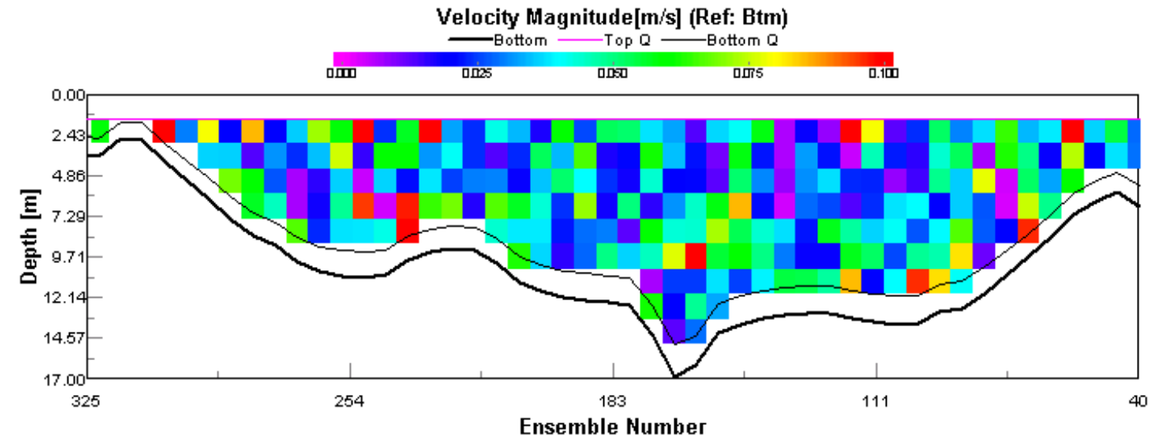
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 4

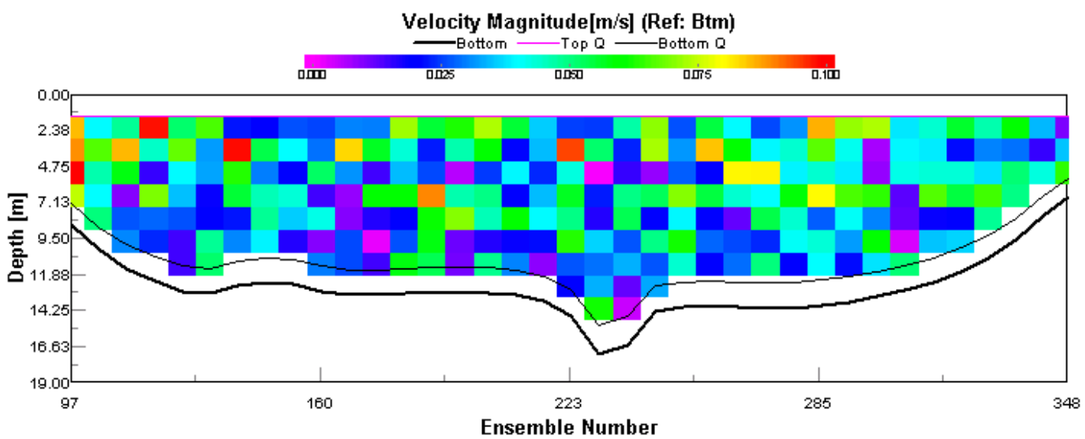
Spring – 2003
Average: 7 ensembles
Discharge: 53.05 m^3/s



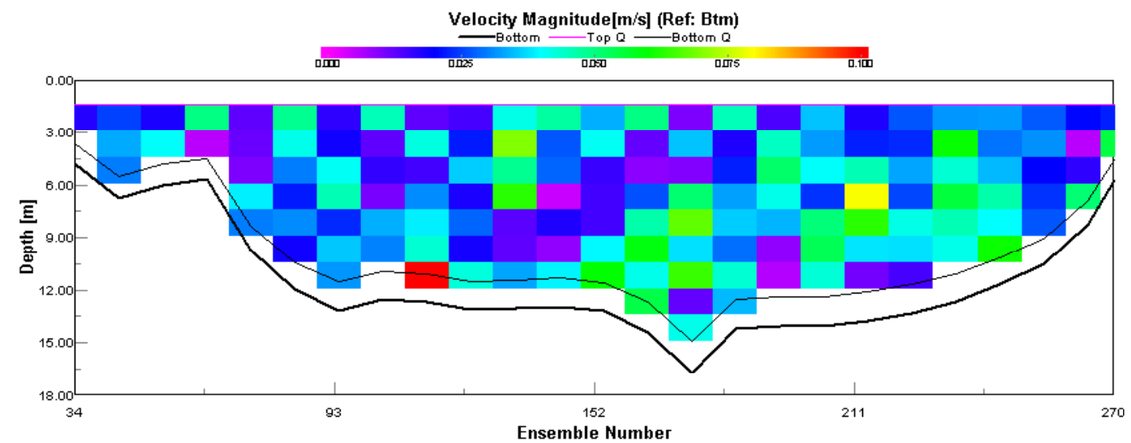
Fall – 2003
Average: 6 ensembles
Discharge: 56.31 m^3/s



Summer – 2003
Average: 7 ensembles
Discharge: 29 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 107.75 m^3/s



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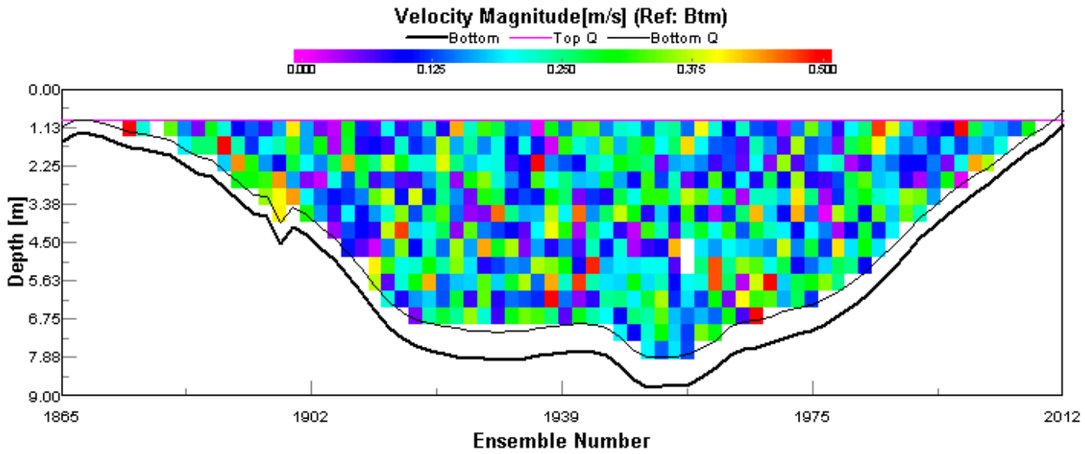
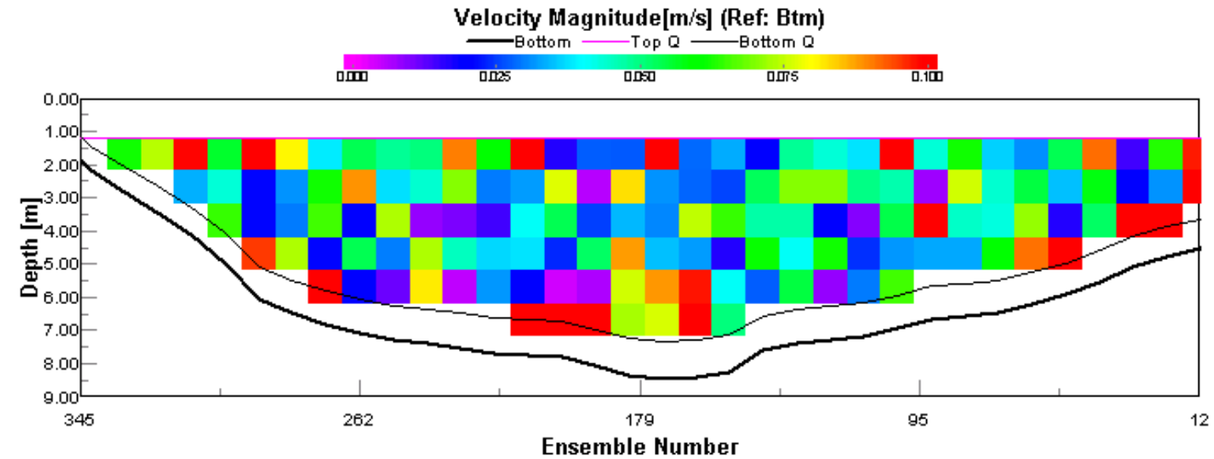
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 5

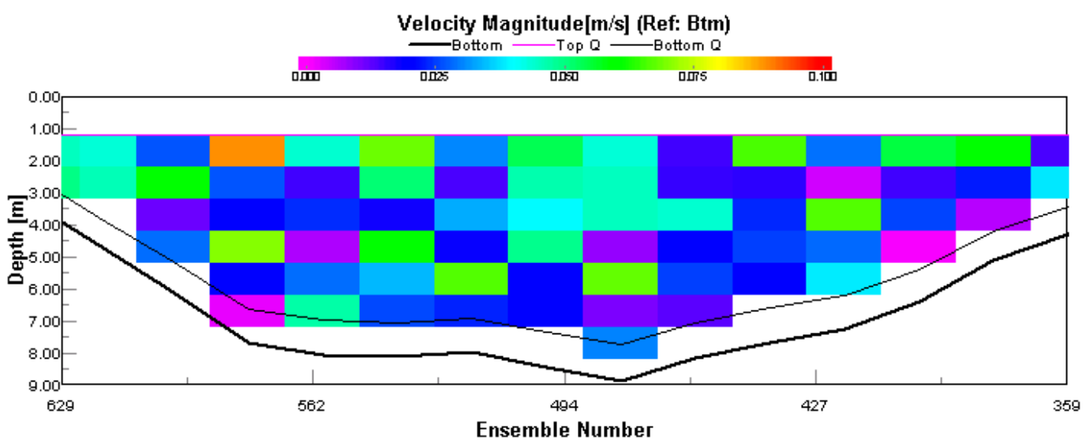
Spring – 2003
Average: 2 ensembles
Discharge: 12.6 m^3/s



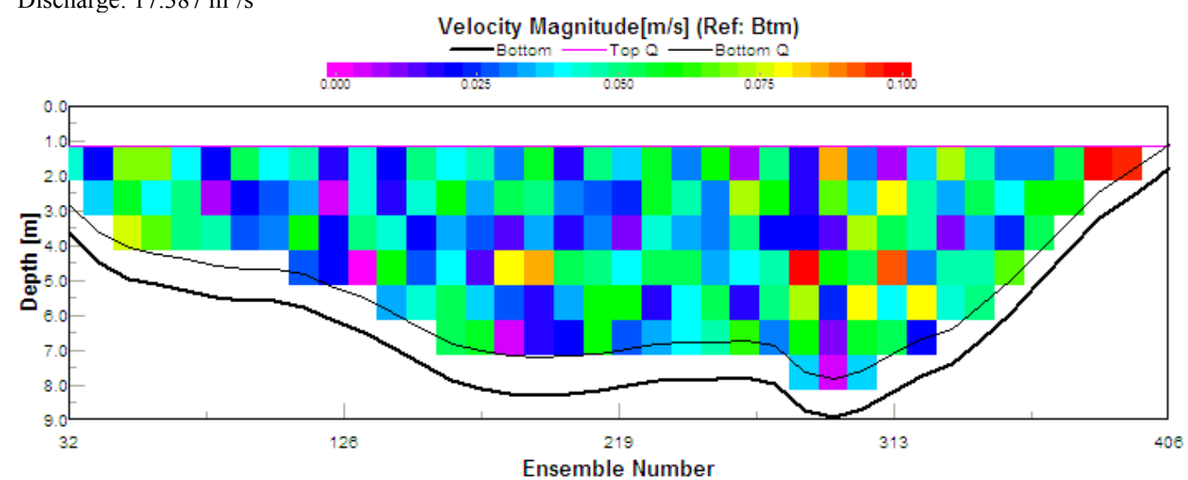
Fall – 2003
Average: 10 ensembles
Discharge: 25.19 m^3/s



Summer – 2003
Average: 20 ensembles
Discharge: 8 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 17.387 m^3/s



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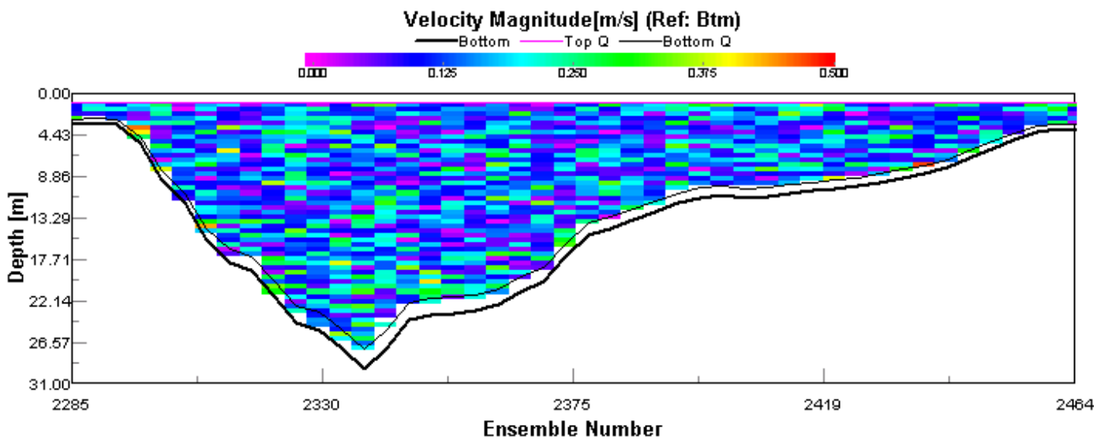
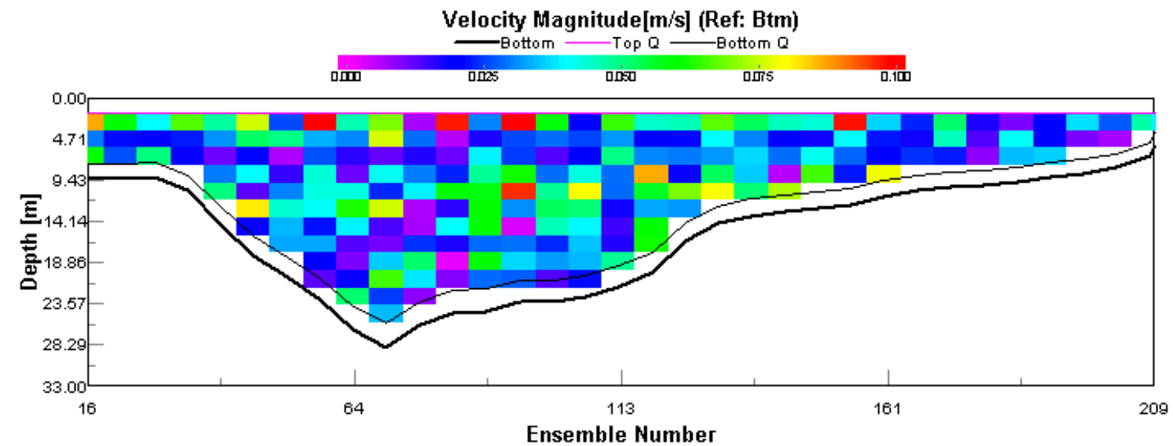
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 6

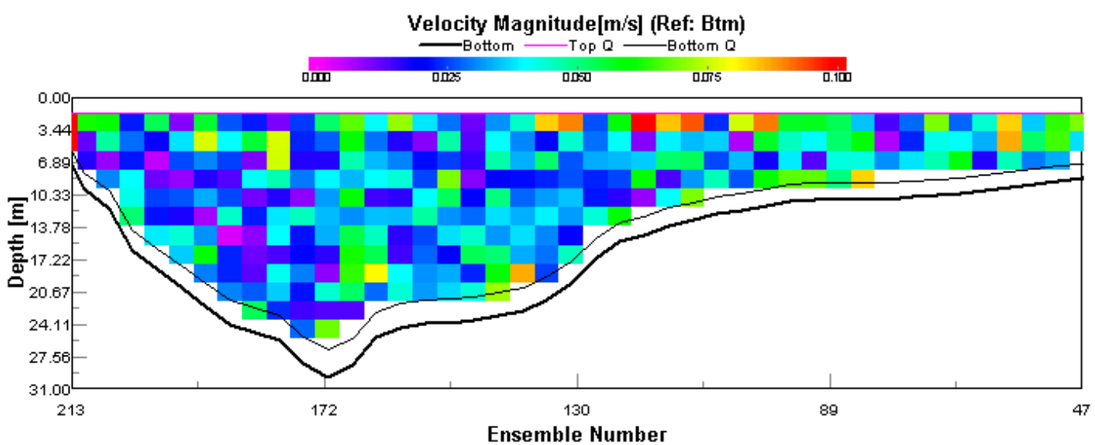
Spring – 2003
Average: 4 ensembles
Discharge: 57.23 m^3/s



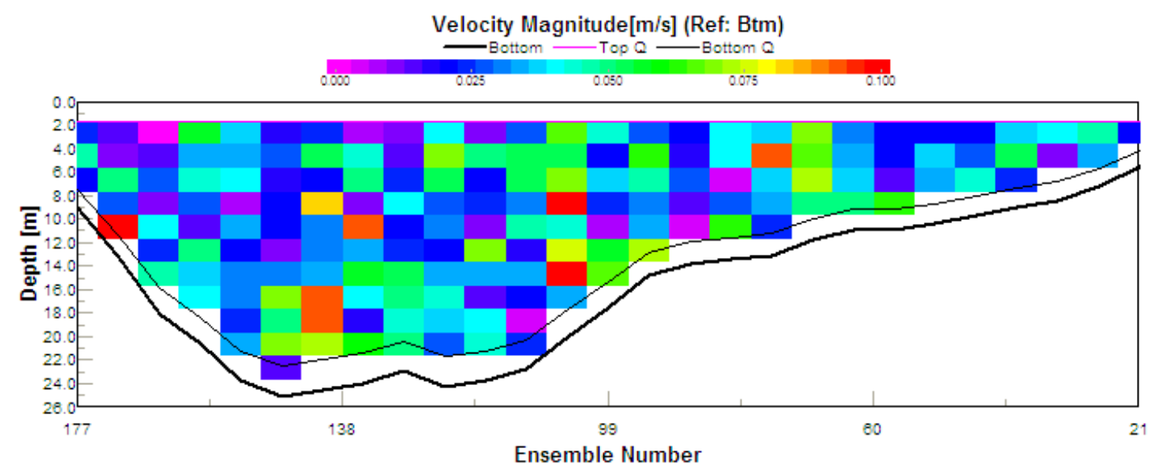
Fall – 2003
Average: 6 ensembles
Discharge: 4.7 m^3/s



Summer – 2003
Average: 4 ensembles
Discharge: 52 m^3/s



Winter – 2003
Average: 6 ensembles
Discharge: 62.2 m^3/s



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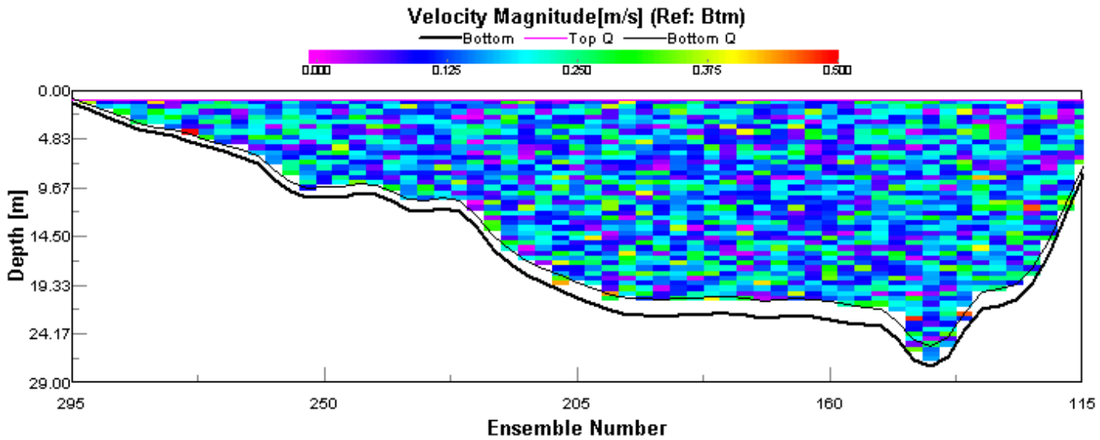
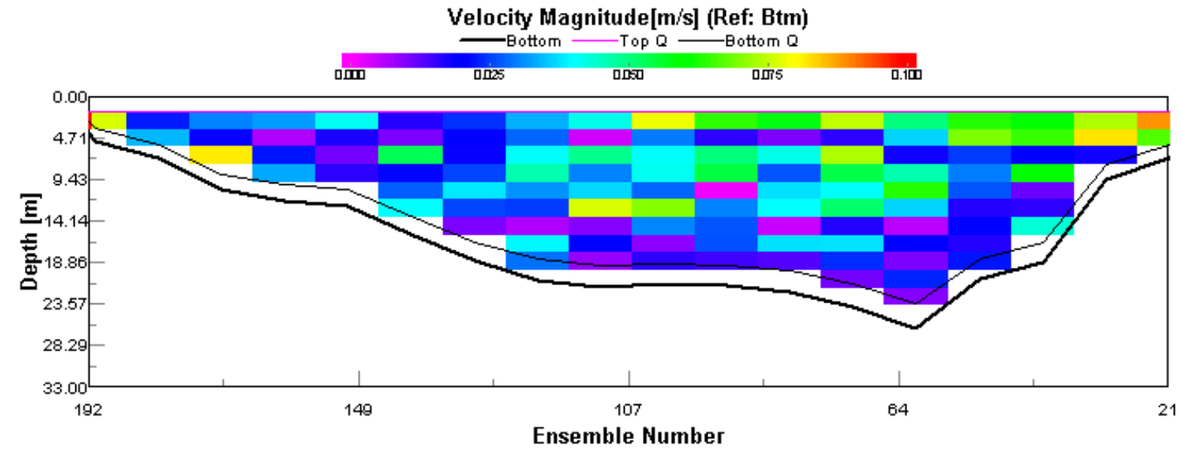
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 7

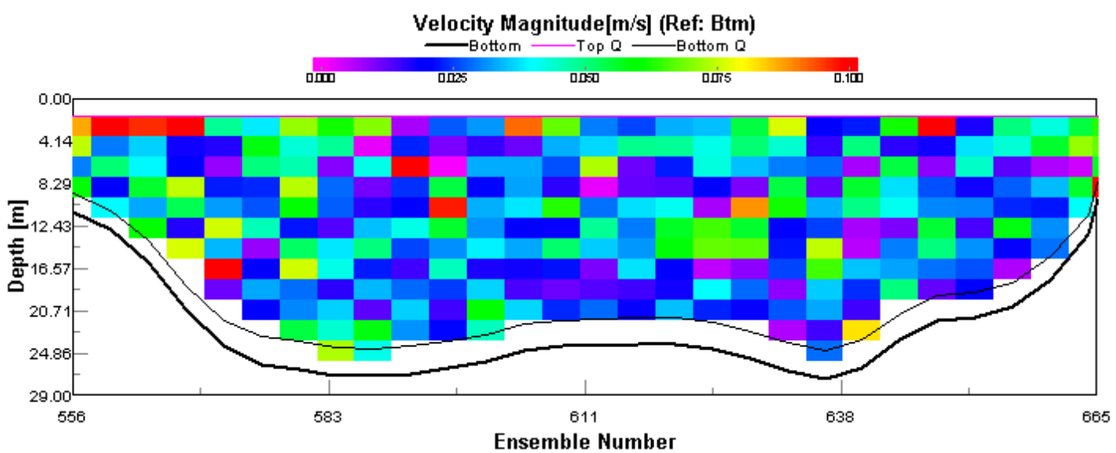
Spring – 2003
Average: 3 ensembles
Discharge: 34.83 m^3/s



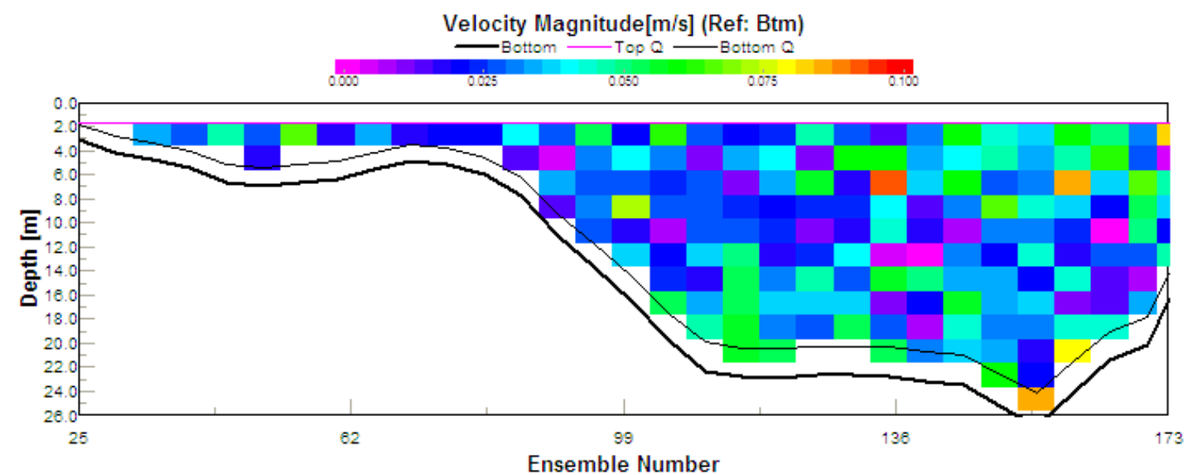
Fall – 2003
Average: 3 ensembles
Discharge: 40.6 m^3/s



Summer – 2003
Average: 4 ensembles
Discharge: 29 m^3/s



Winter – 2003
Average: 5 ensembles
Discharge: 5.736 m^3/s



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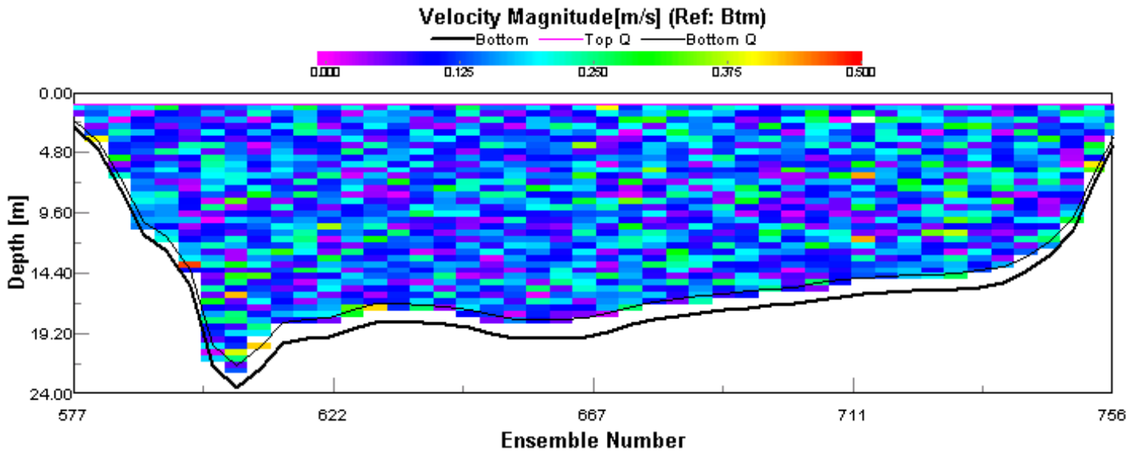
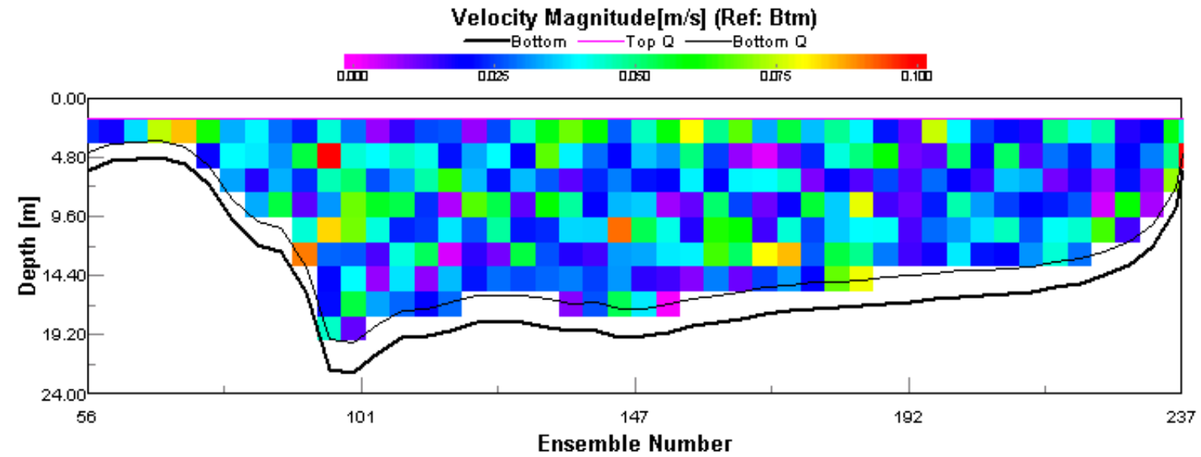
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 8

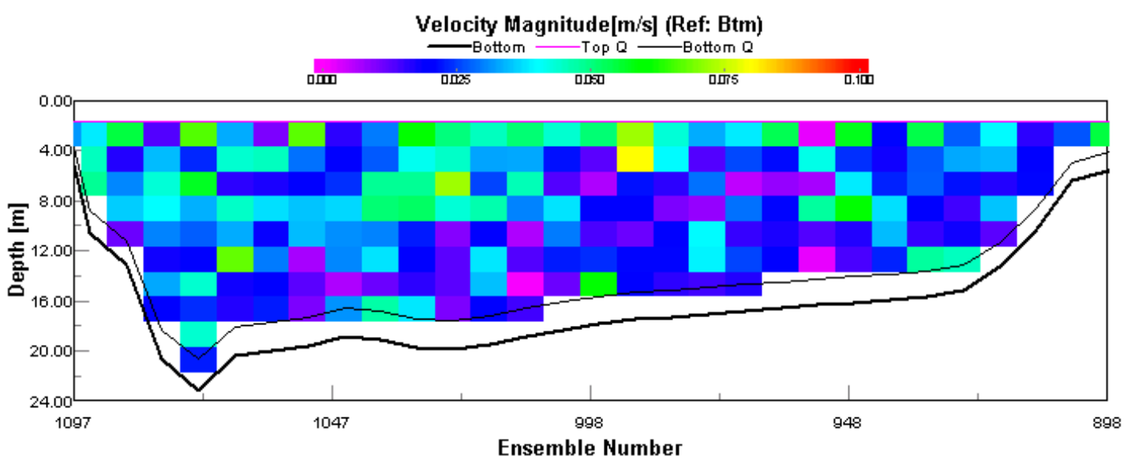
Spring – 2003
Average: 4 ensembles
Discharge: not supported



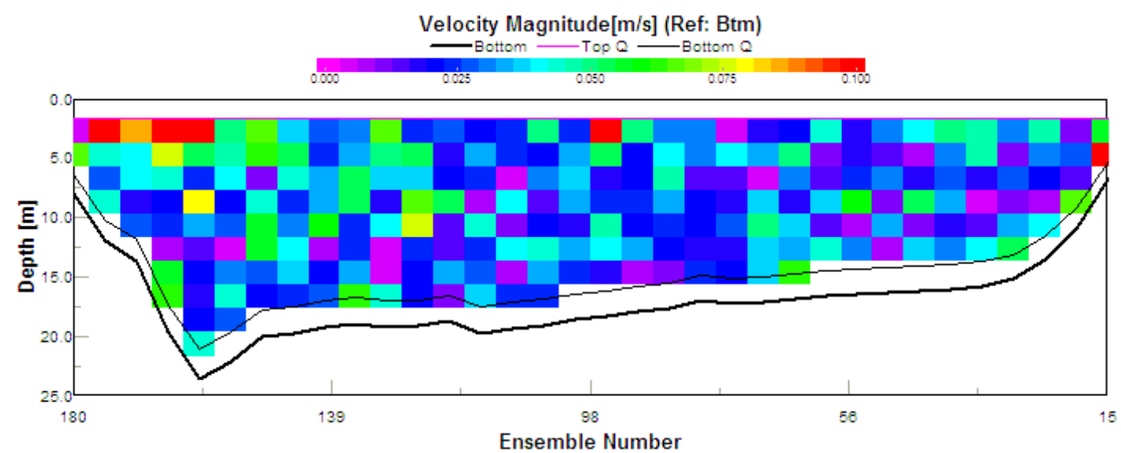
Fall – 2003
Average: 4 ensembles
Discharge: 25.64 m^3/s



Summer – 2003
Average: 7 ensembles
Discharge: 69 m^3/s



Winter – 2003
Average: 5 ensembles
Discharge: 90.746 m^3/s



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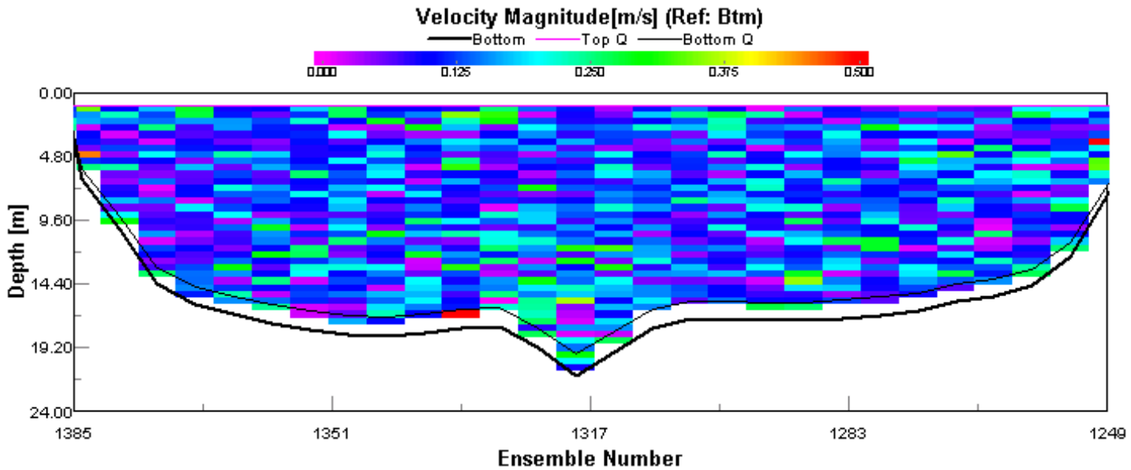
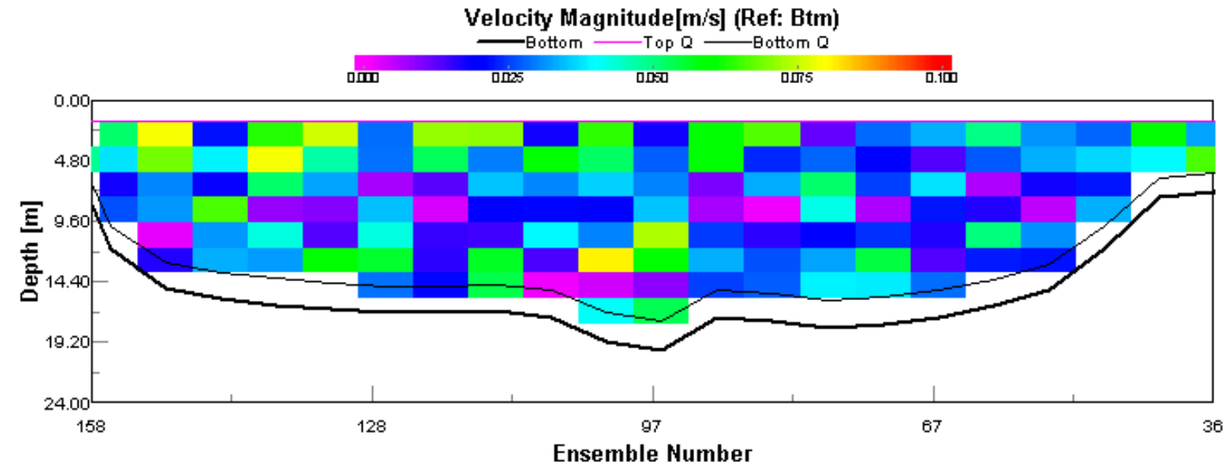
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 9

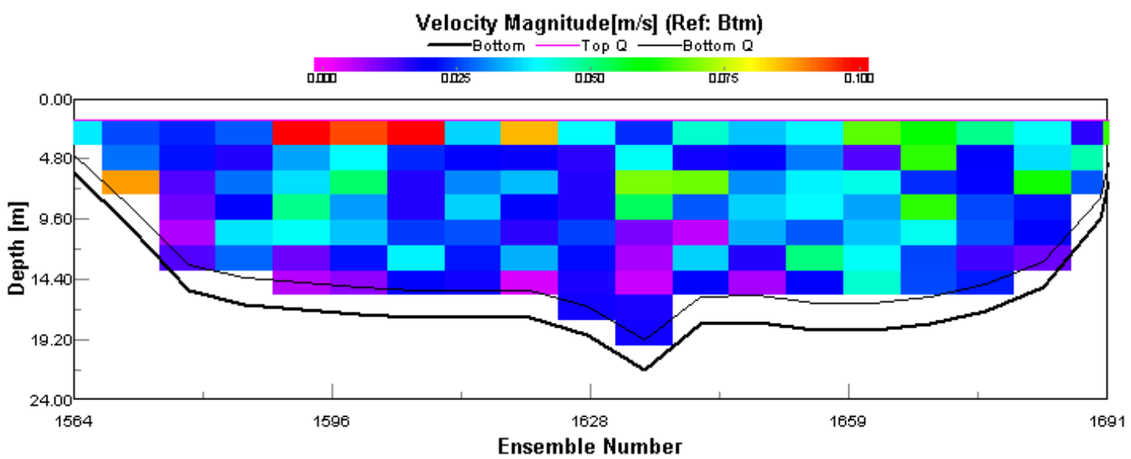
Spring – 2003
Average: 5 ensembles
Discharge: 39.90 m^3/s



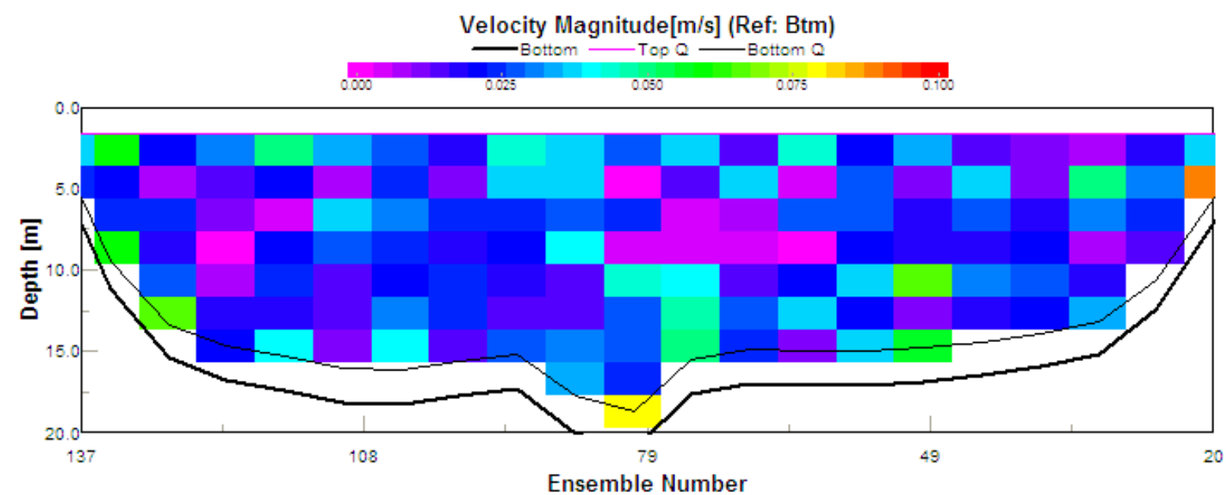
Fall – 2003
Average: 6 ensembles
Discharge: 29.59 m^3/s



Summer – 2003
Average: 7 ensembles
Discharge: 40 m^3/s



Winter – 2003
Average: 6 ensembles
Discharge: 6.22 m^3/s



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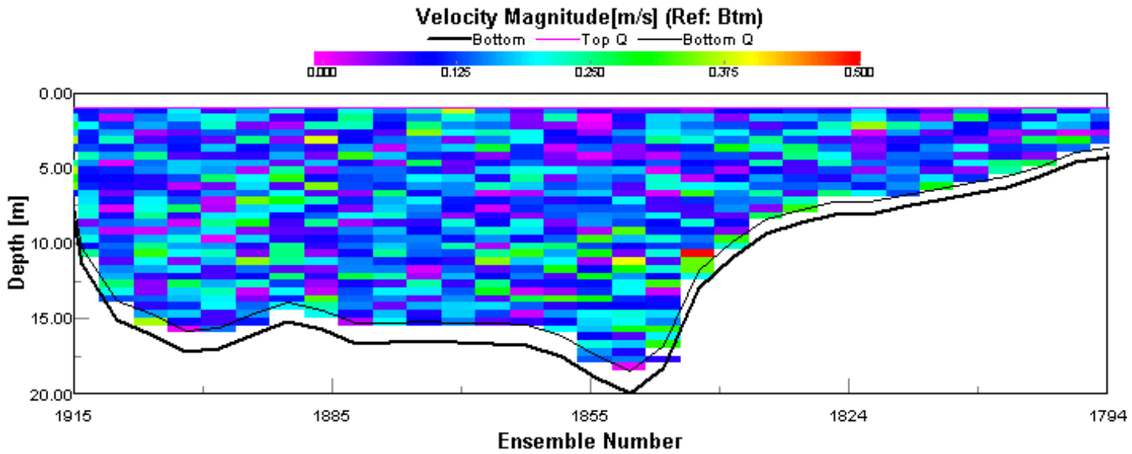
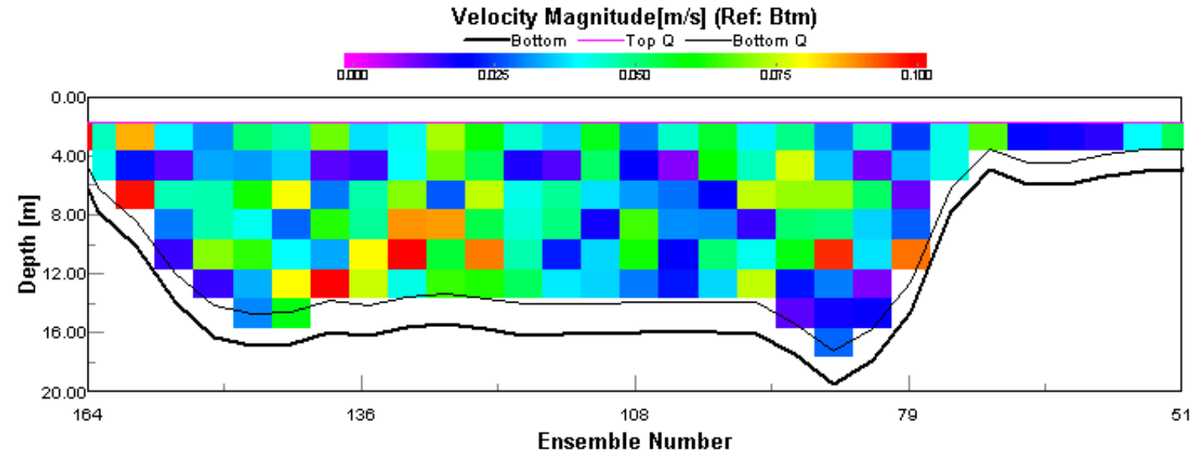
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 10

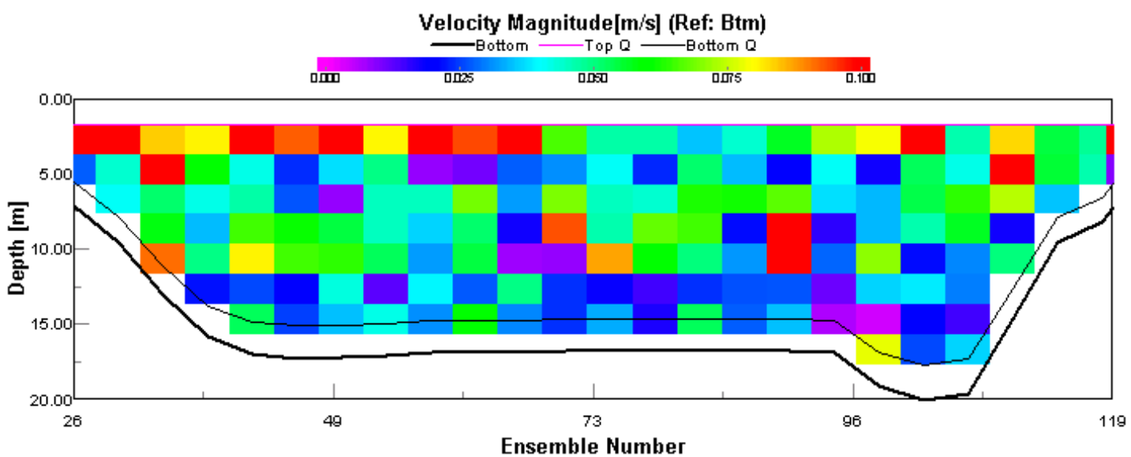
Spring – 2003
Average: 4 ensembles
Discharge: 40.83 m^3/s



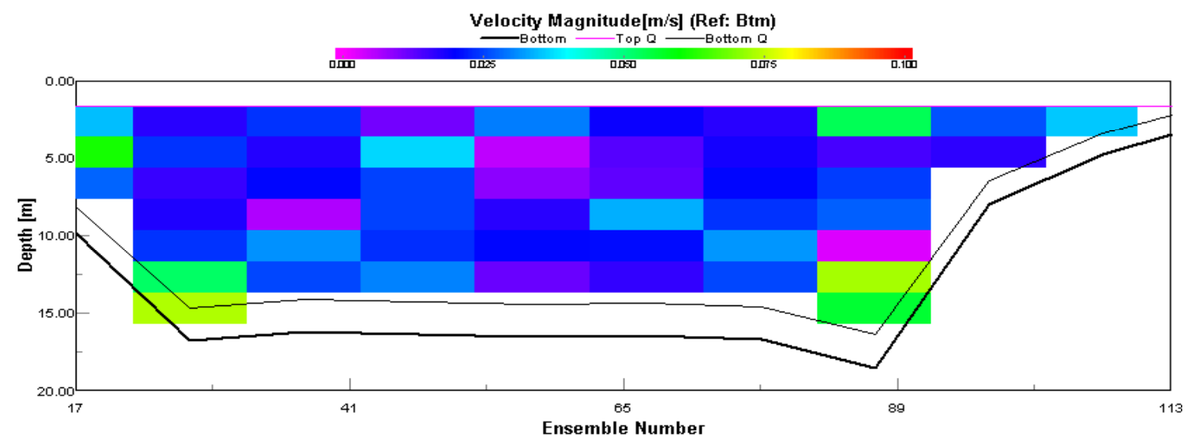
Fall – 2003
Average: 4 ensembles
Discharge: 99.24 m^3/s



Summer – 2003
Average: 4 ensembles
Discharge: 46 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 0.61 m^3/s



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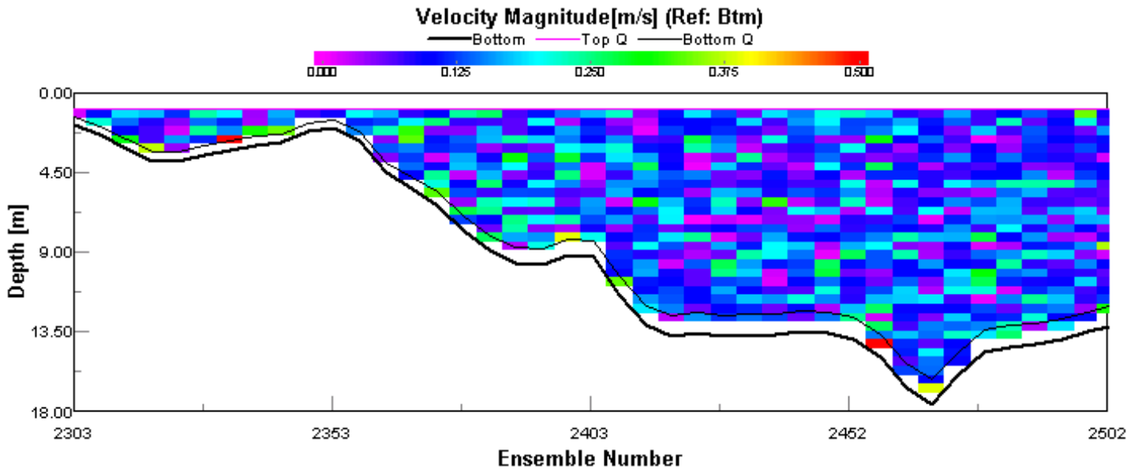
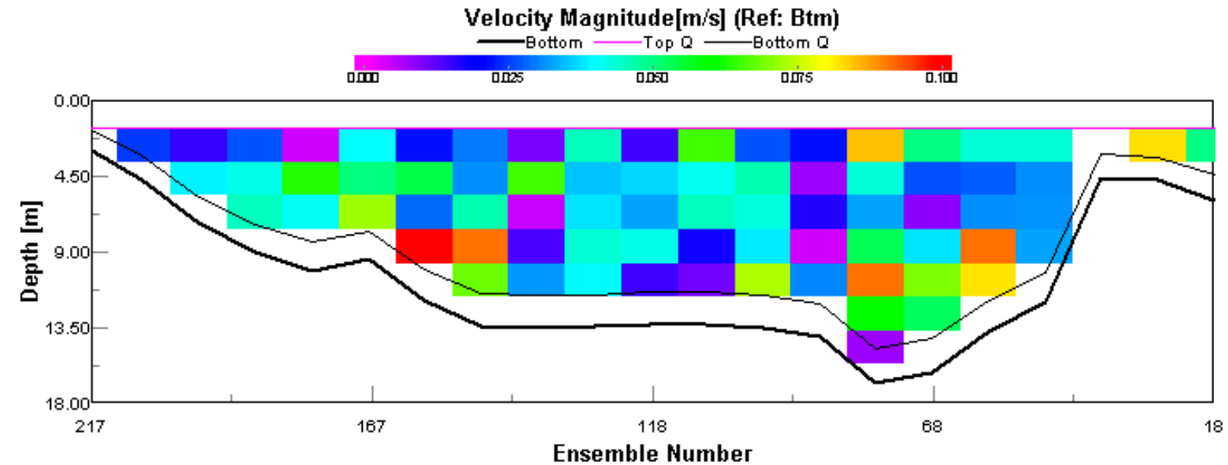
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 11

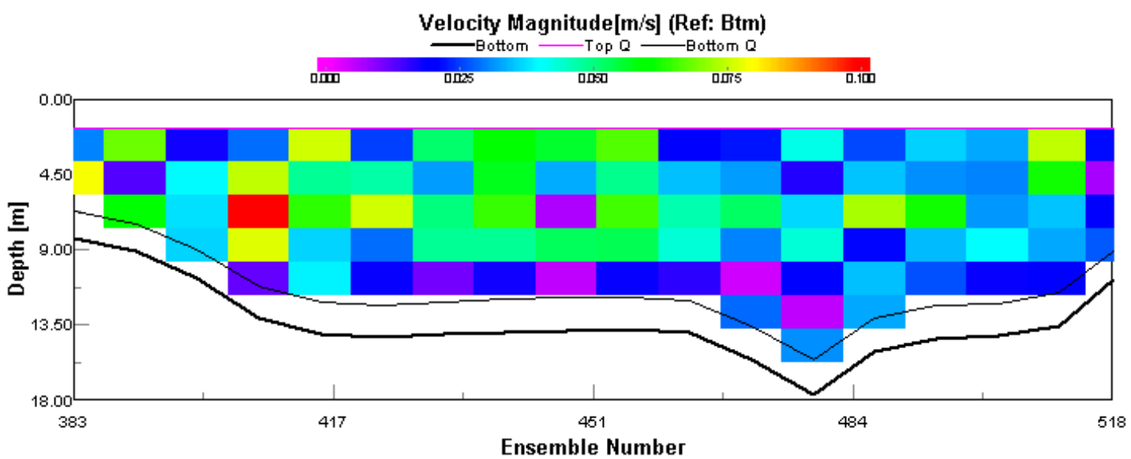
Spring – 2003
Average: 5 ensembles
Discharge: not supported



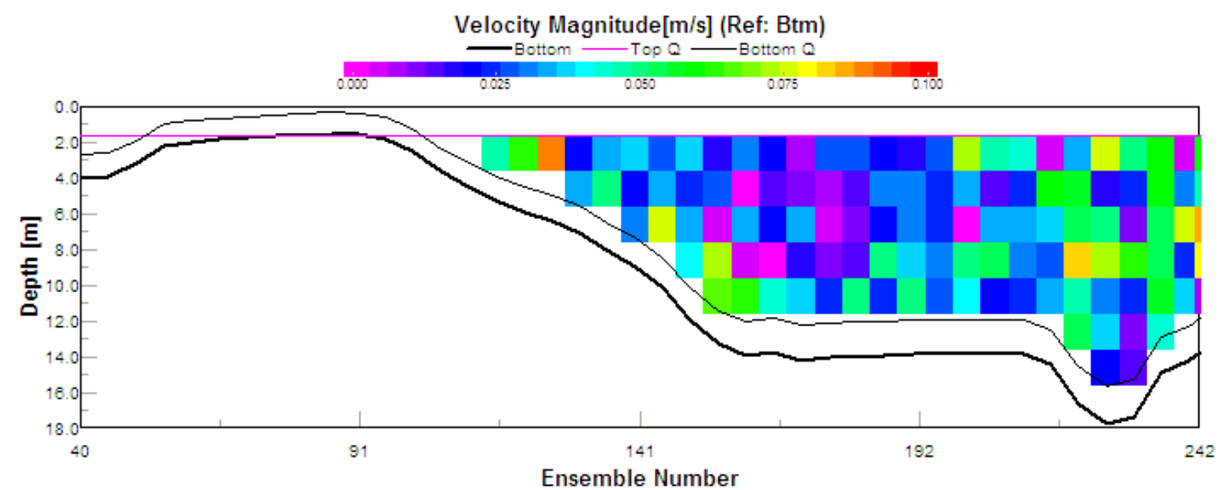
Fall – 2003
Average: 10 ensembles
Discharge: 118.28 m^3/s



Summer – 2003
Average: 8 ensembles
Discharge: 138 m^3/s (no data on shallow south flat)



Winter – 2003
Average: 5 ensembles
Discharge: 74.115 m^3/s



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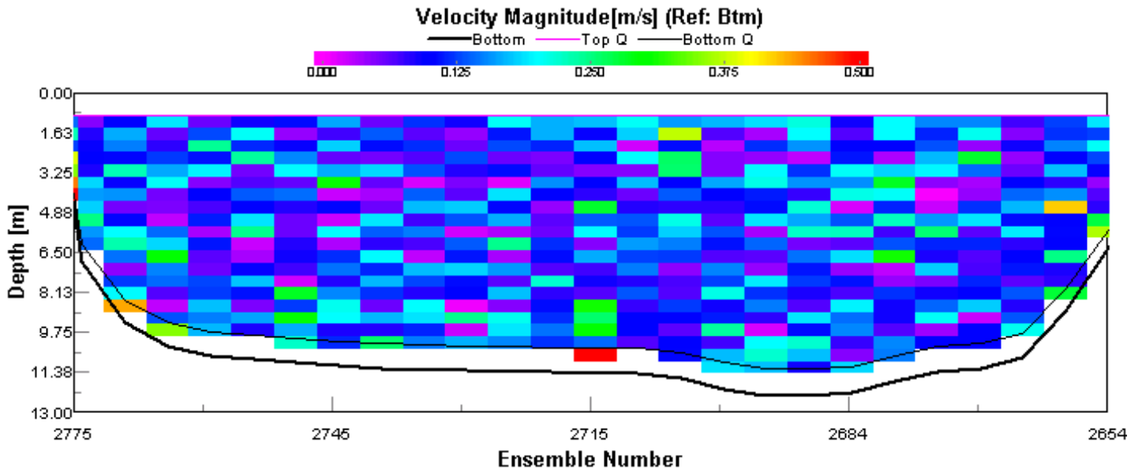
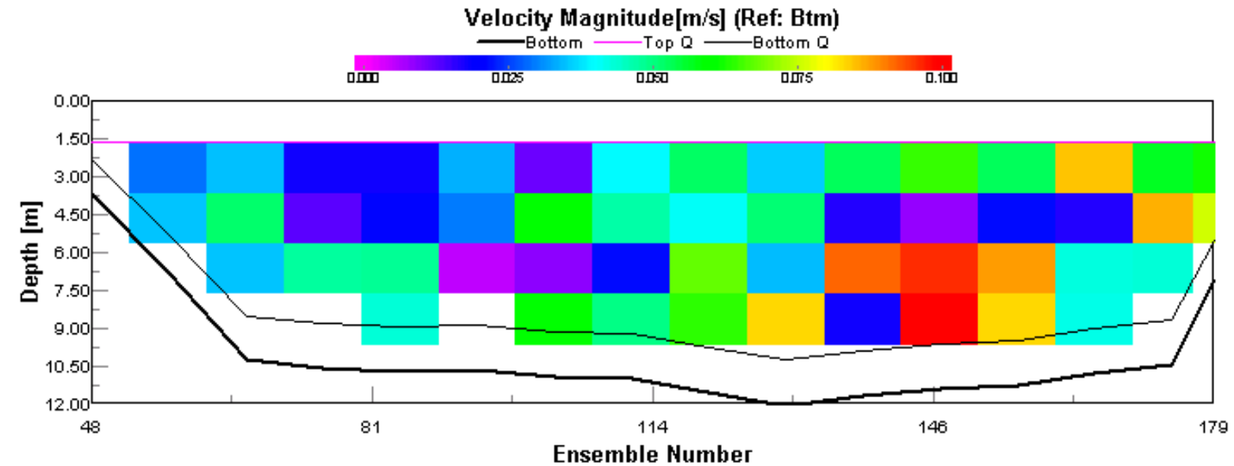
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 12

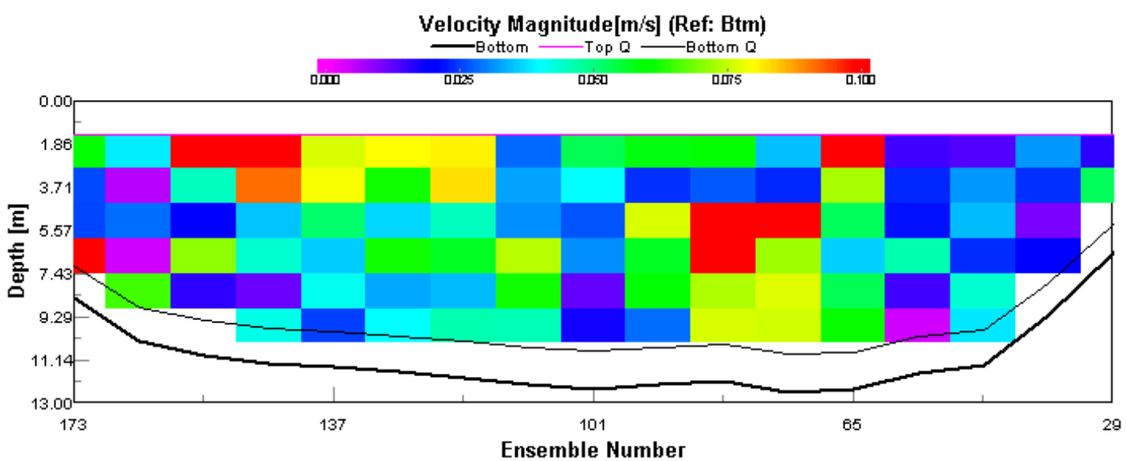
Spring – 2003
Average: 5 ensembles
Discharge: not supported



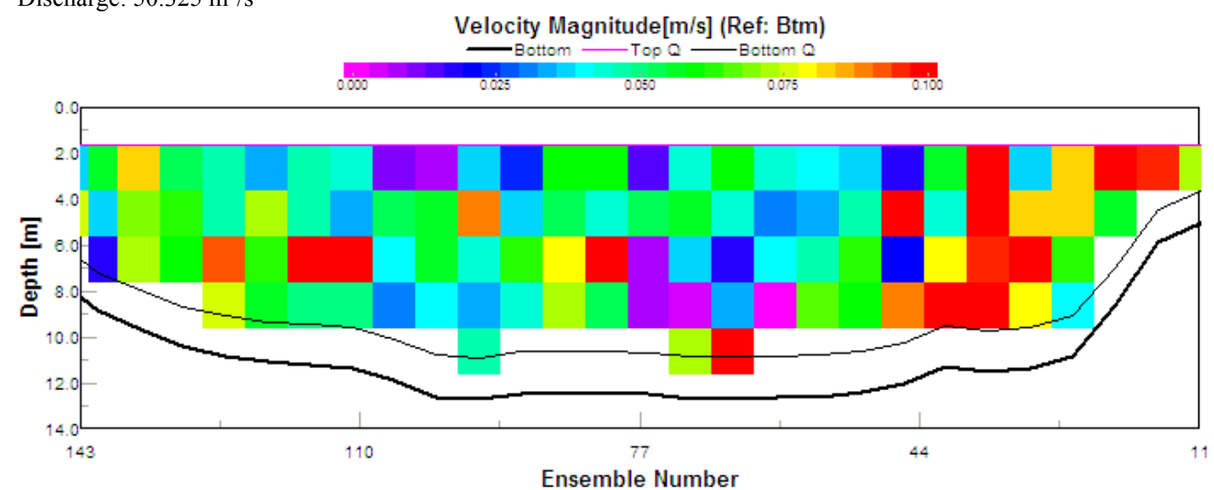
Fall – 2003
Average: 9 ensembles
Discharge: 37.41 m^3/s



Summer – 2003
Average: 9 ensembles
Discharge: 21 m^3/s



Winter – 2003
Average: 5 ensembles
Discharge: 50.325 m^3/s



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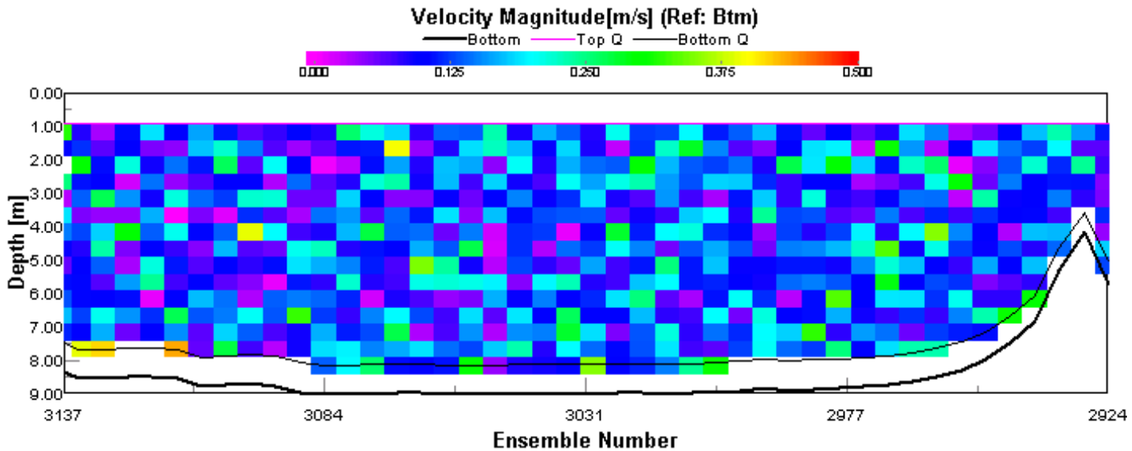
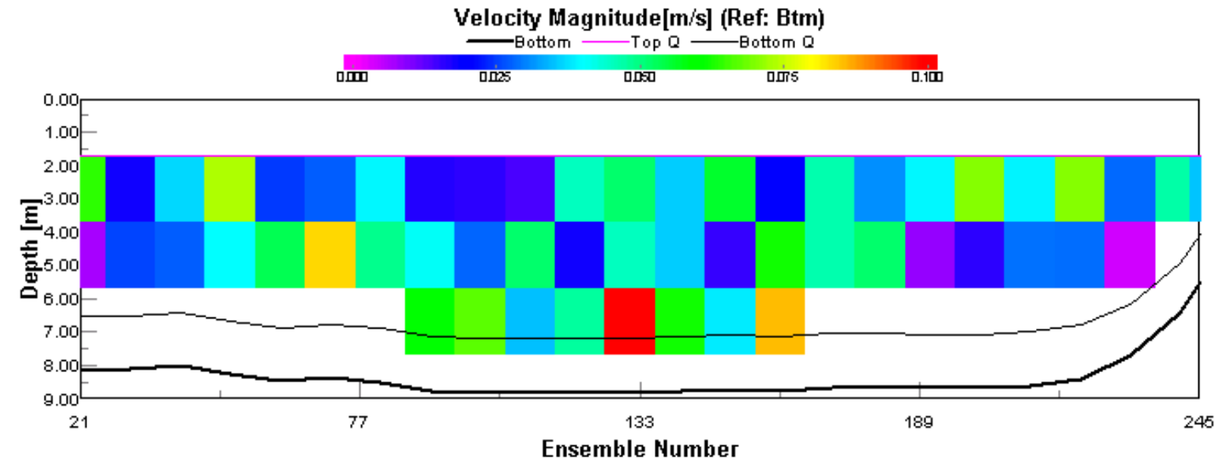
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 13

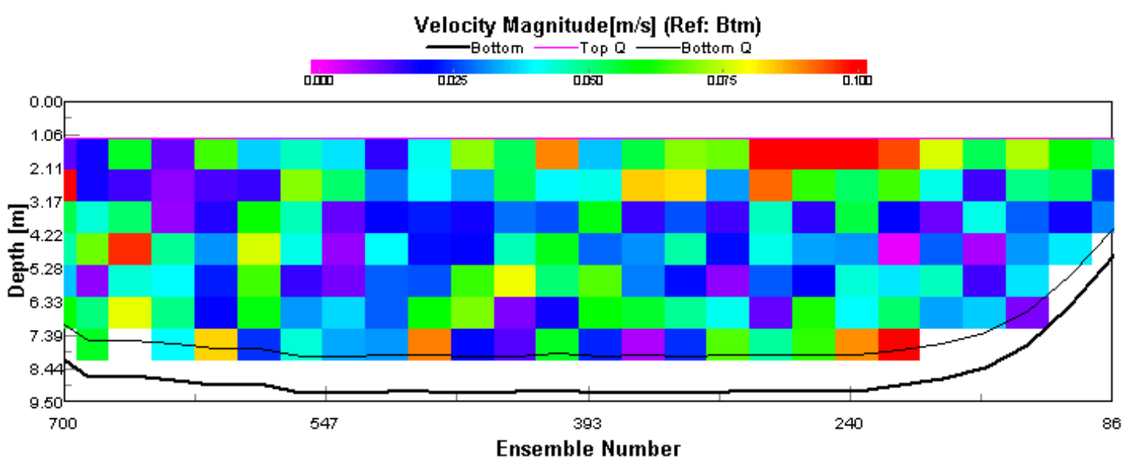
Spring – 2003
Average: 5 ensembles
Discharge: 24.08 m^3/s



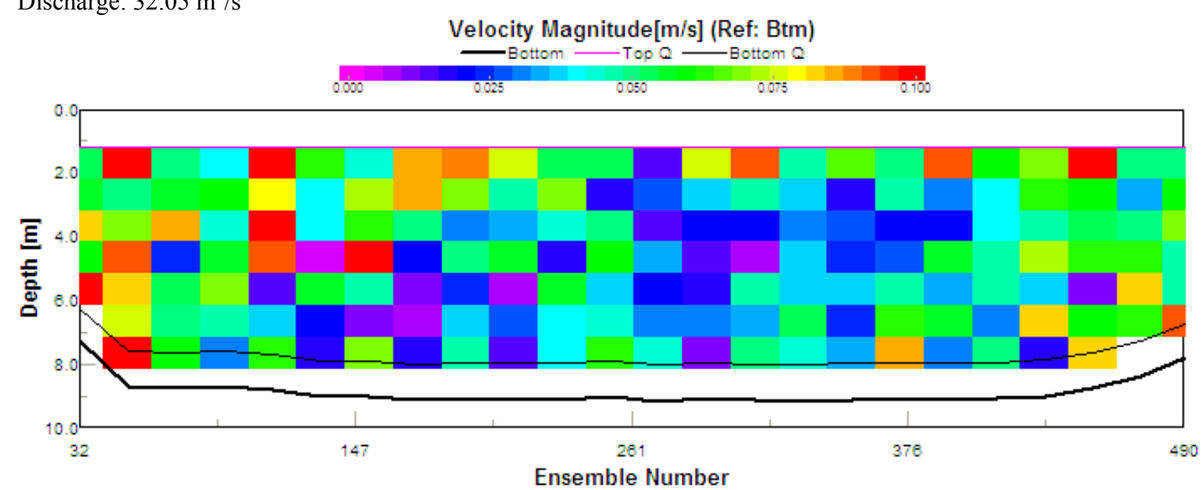
Fall – 2003
Average: 10 ensembles
Discharge: 19.92 m^3/s



Summer – 2003
Average: 25 ensembles
Discharge: 14 m^3/s



Winter – 2003
Average: 20 ensembles
Discharge: 32.05 m^3/s



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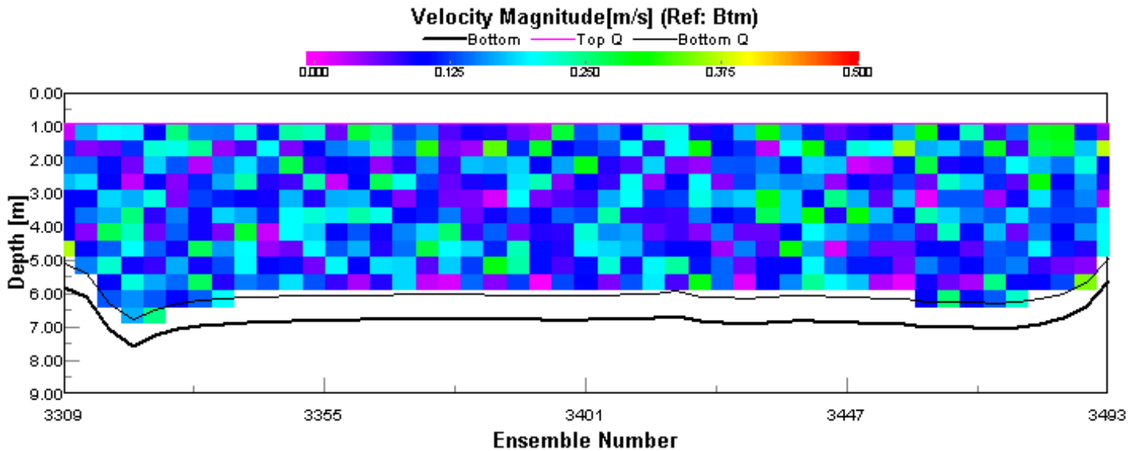
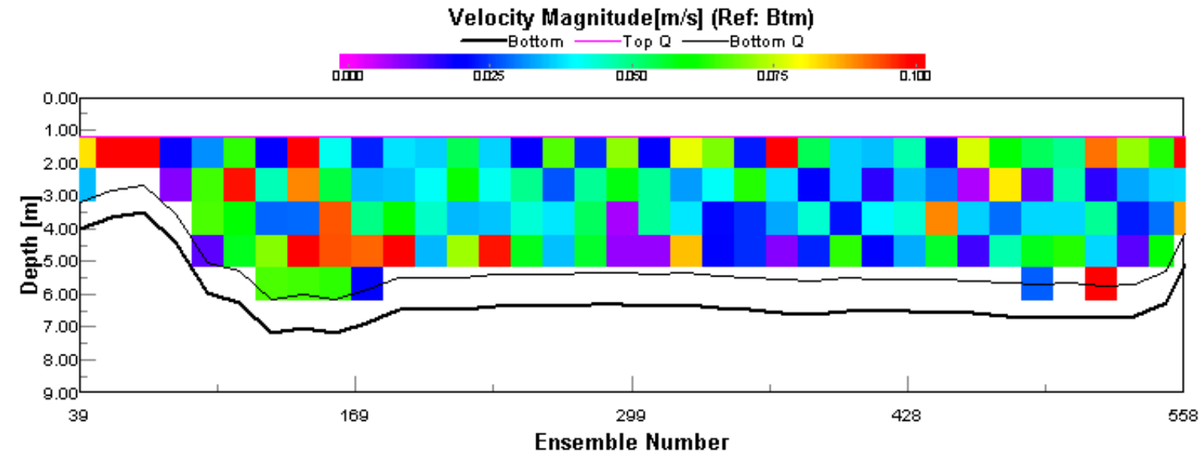
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 14

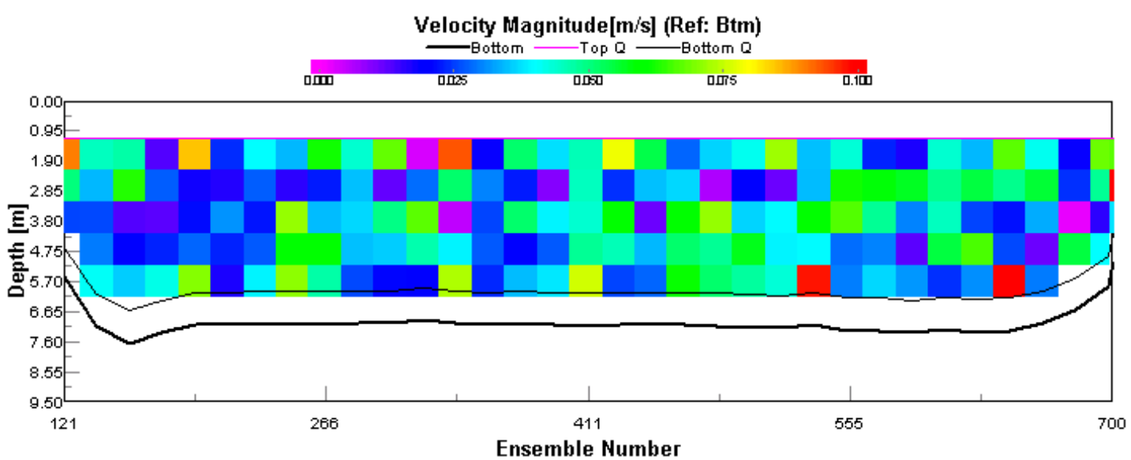
Spring – 20003
Average: 4 ensembles
Discharge: 24.78 m^3/s



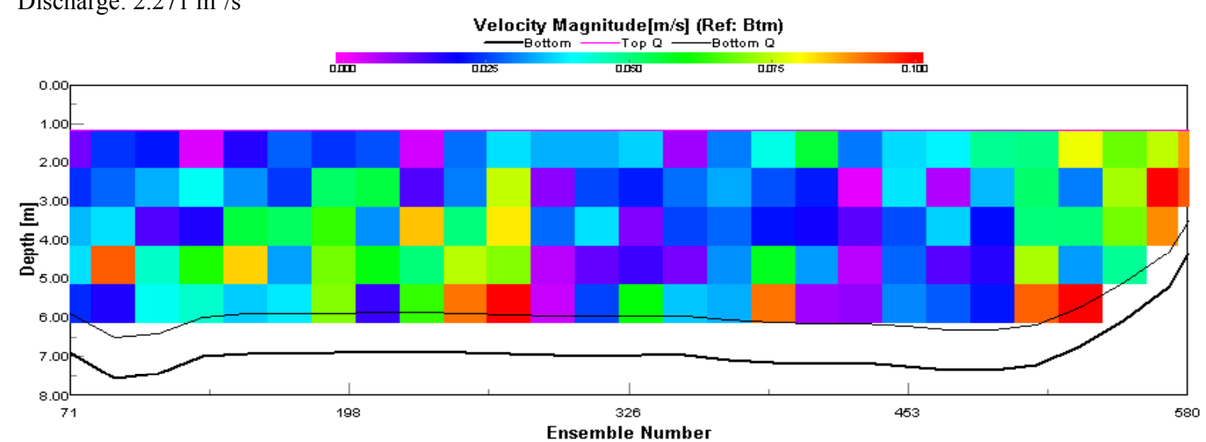
Fall – 2003
Average: 15 ensembles
Discharge: 13.86 m^3/s



Summer – 2003
Average: 18 ensembles
Discharge: 24 m^3/s



Winter – 2003
Average: 20 ensembles
Discharge: 2.271 m^3/s



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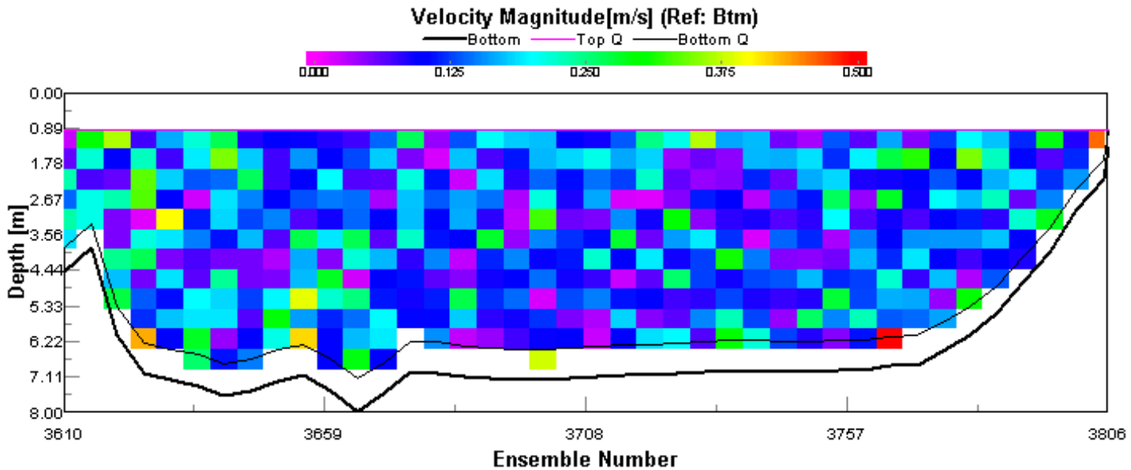
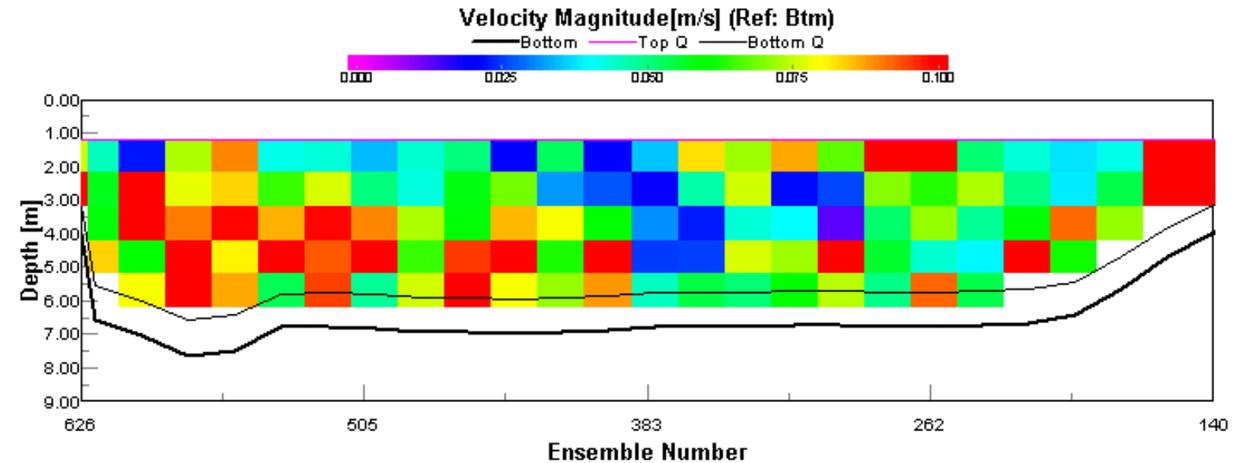
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 15

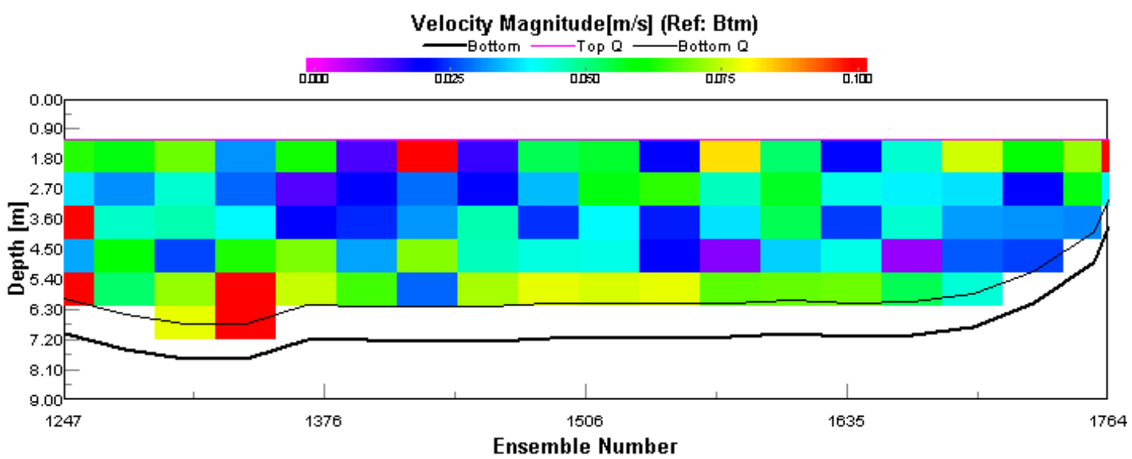
Spring – 2003
Average: 5 ensembles
Discharge: not supported



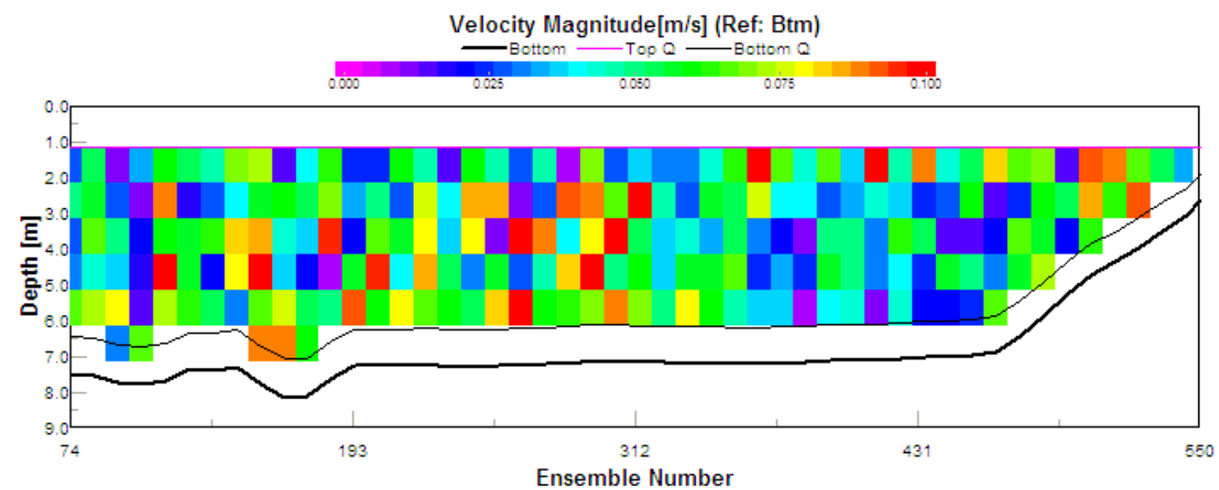
Fall – 2003
Average: 20 ensembles
Discharge: 14.58 m^3/s



Summer – 2003
Average: 30 ensembles
Discharge: 20 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 6.537 m^3/s



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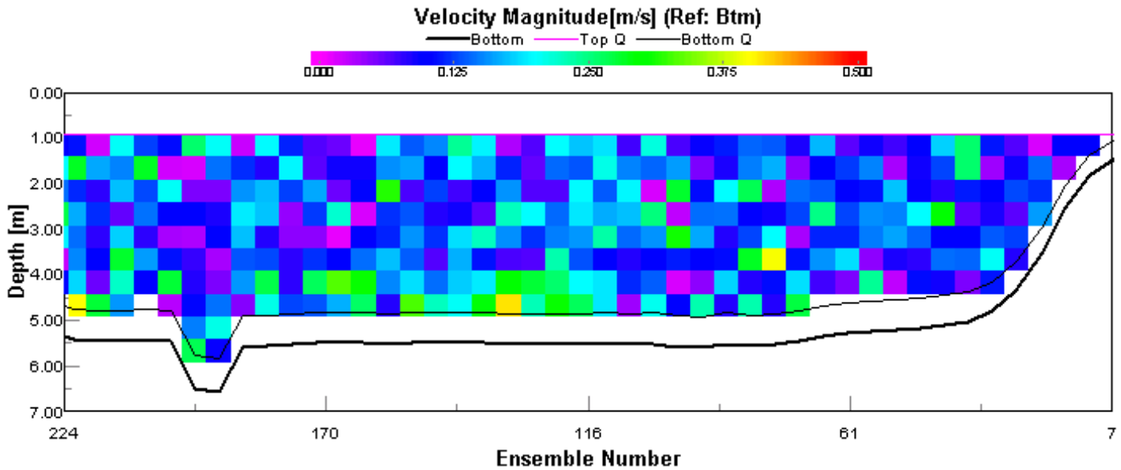
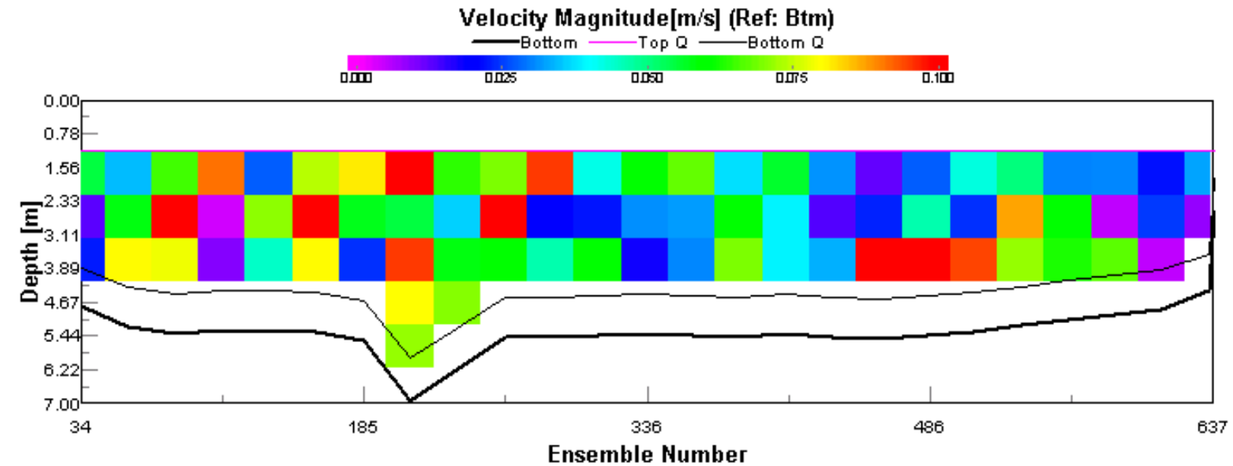
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 16

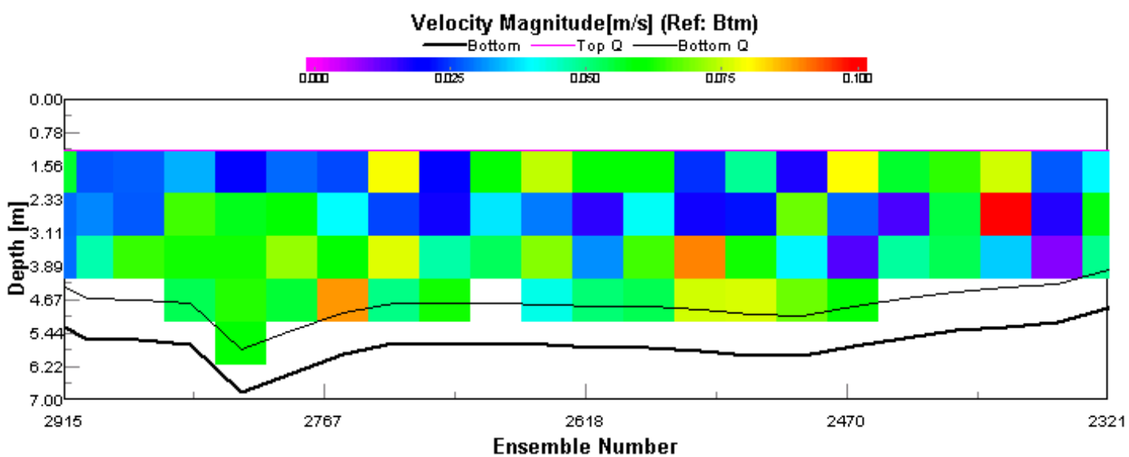
Spring – 2003
Average: 5 ensembles
Discharge: not supported



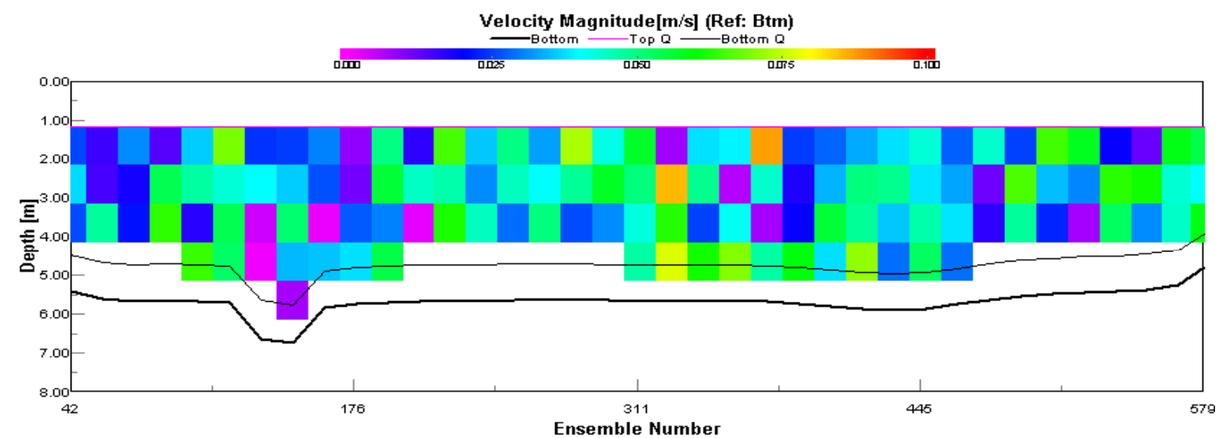
Fall – 2003
Average: 25 ensembles
Discharge: 17.49 m^3/s



Summer – 2003
Average: 30 ensembles
Discharge: 37 m^3/s



Winter – 2003
Average: 15 ensembles
Discharge: 27.12 m^3/s



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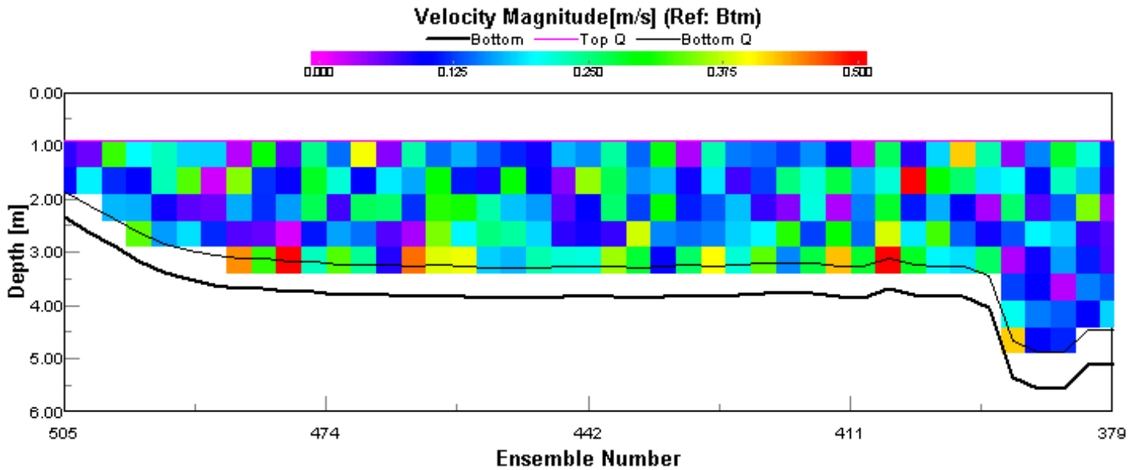
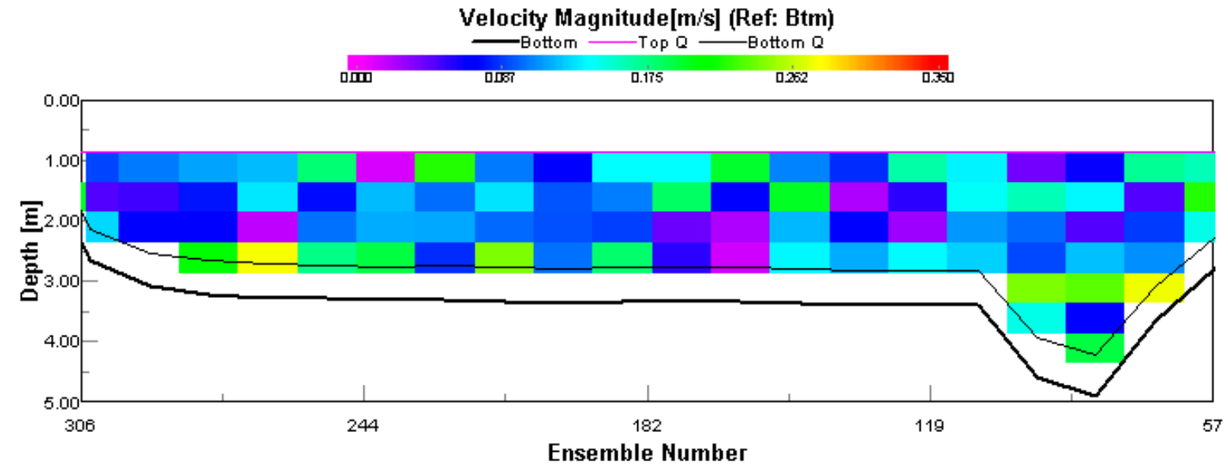
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 17

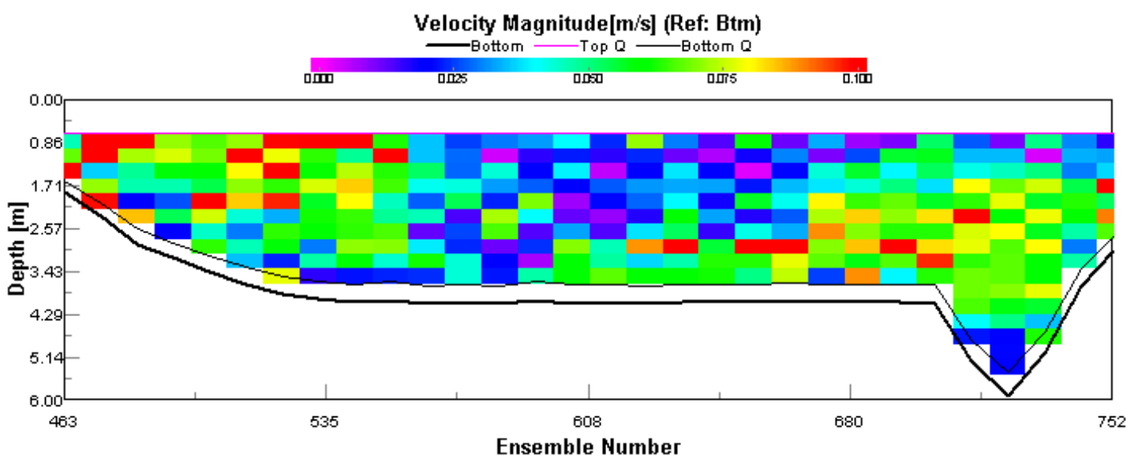
Spring – 2003
Average: 3 ensembles
Discharge: 4.35 m^3/s



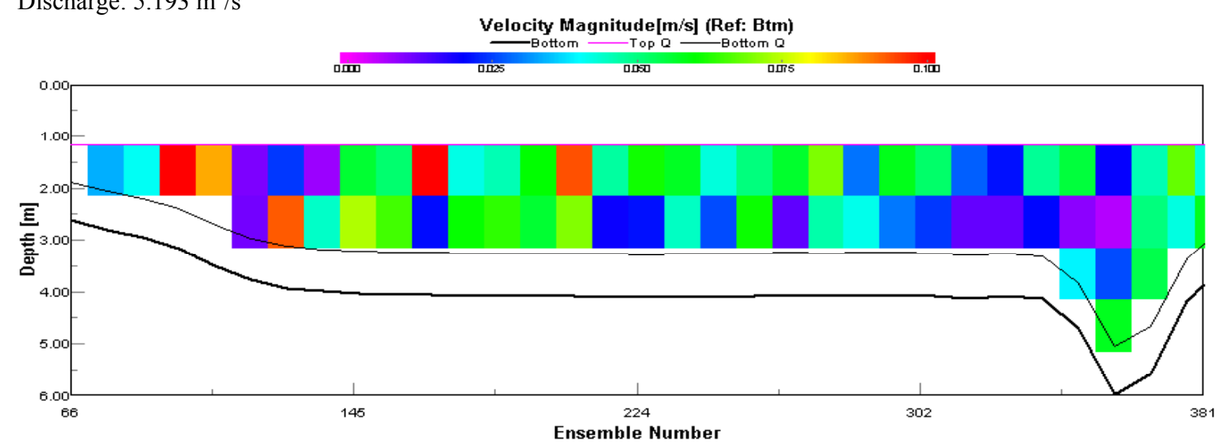
Fall – 2003
Average: 13 ensembles
Discharge: 16.98 m^3/s



Summer – 2003
Average: 10 ensembles
Discharge: 1.8 m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 5.193 m^3/s



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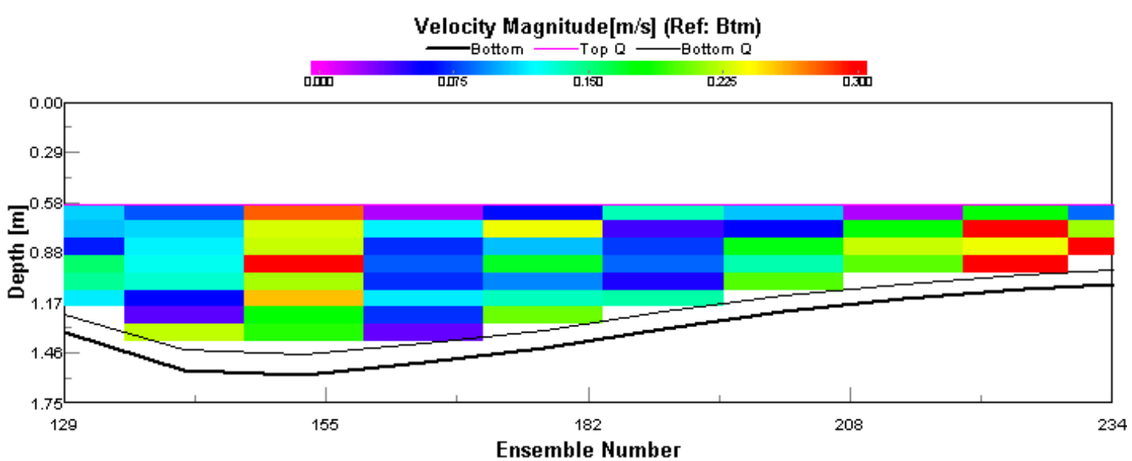
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 18

Spring – 2003
No Data (Shallow)

Fall – 2003
No Data (Shallow)

Summer – 2003
Average: 12 ensembles
Discharge: 12 m^3/s (partial transect across wide delta)
Note: Velocity range maximum = 0.3 m/s

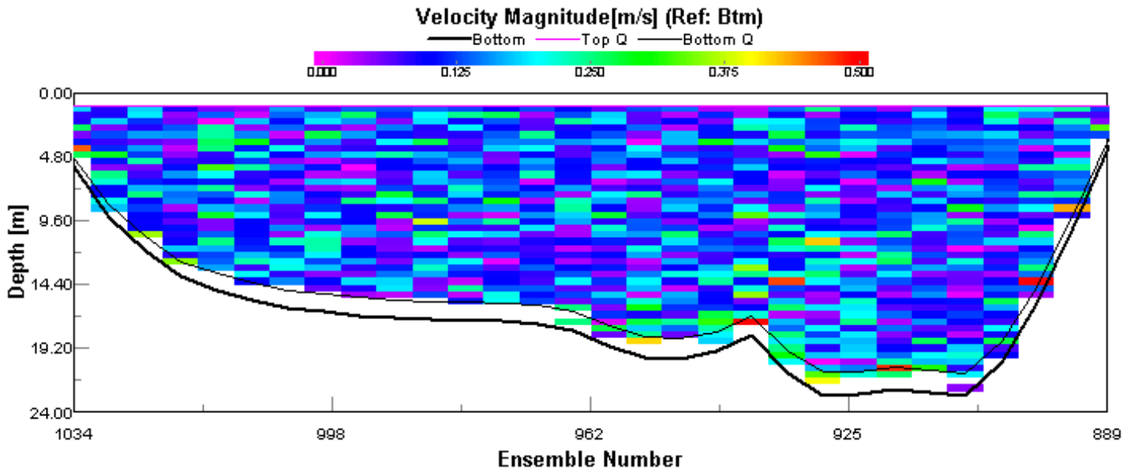


Winter – 2003
No Data (Shallow)

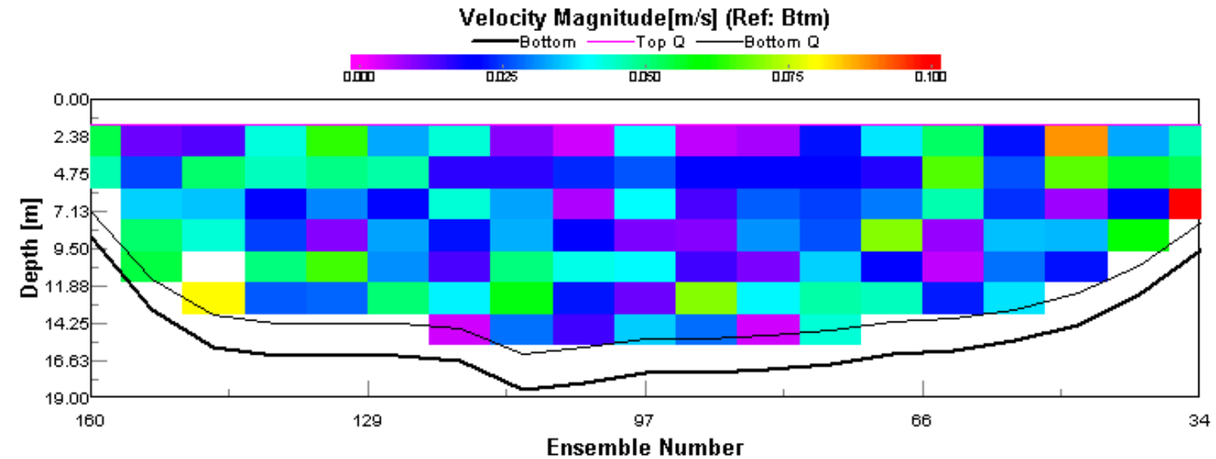
*An ensemble number is the identifier for each block of information collected. A block is variable based on the parameters (ping rate, averaging, depth cell size, etc) the operator has set the ADCP up for each transect.

CONTOUR PLOTS OF CURRENT DATA – TRANSECT 19

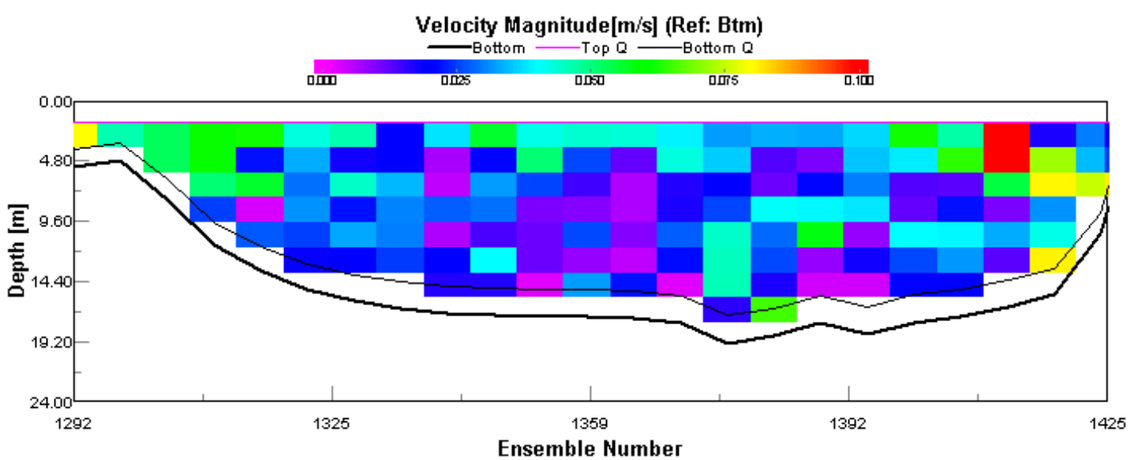
Spring – 2003
Average: 5 ensembles
Discharge: 31.26 m^3/s



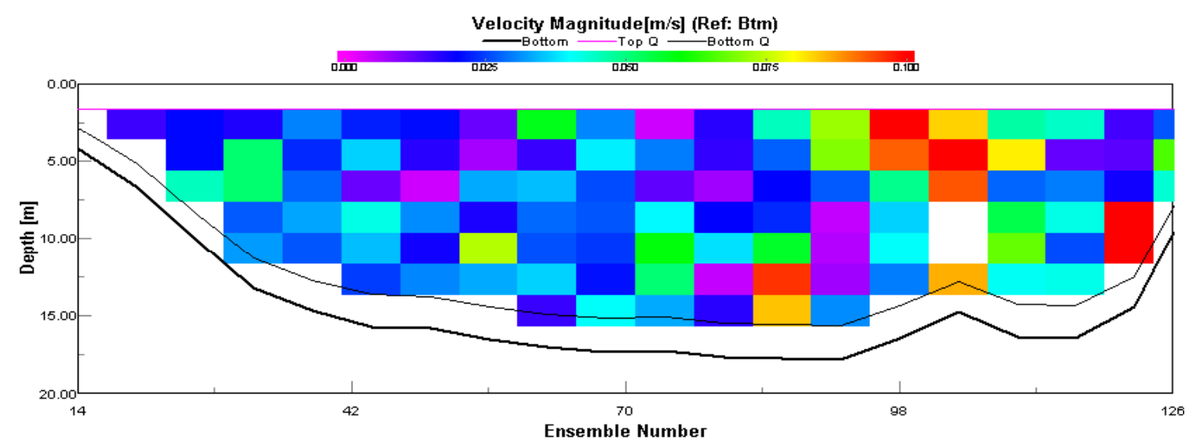
Fall – 2003
Average: 7 ensembles
Discharge: 37.6 m^3/s



Summer – 2003
Average: 6 ensembles
Discharge: 14 m^3/s



Winter – 2003
Average: 6 ensembles
Discharge: 3.27 m^3/s



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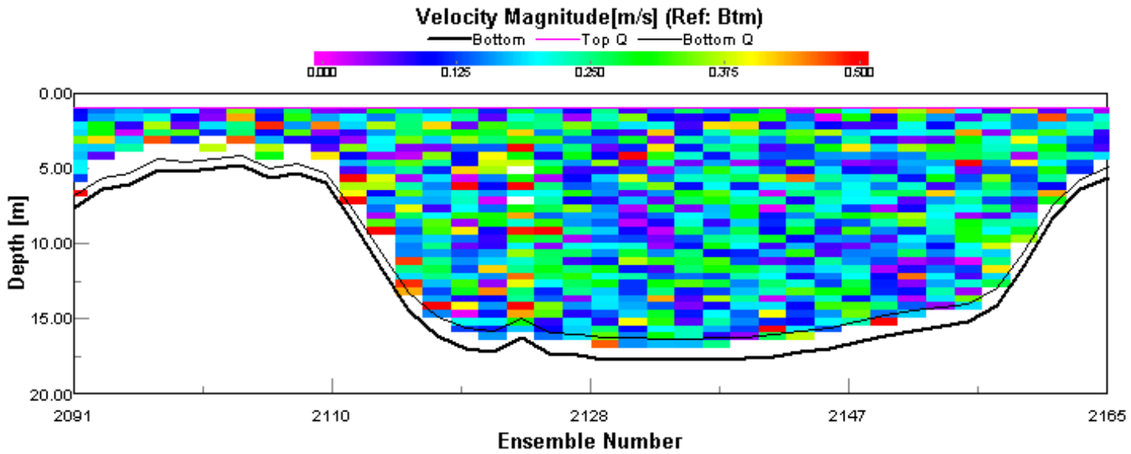
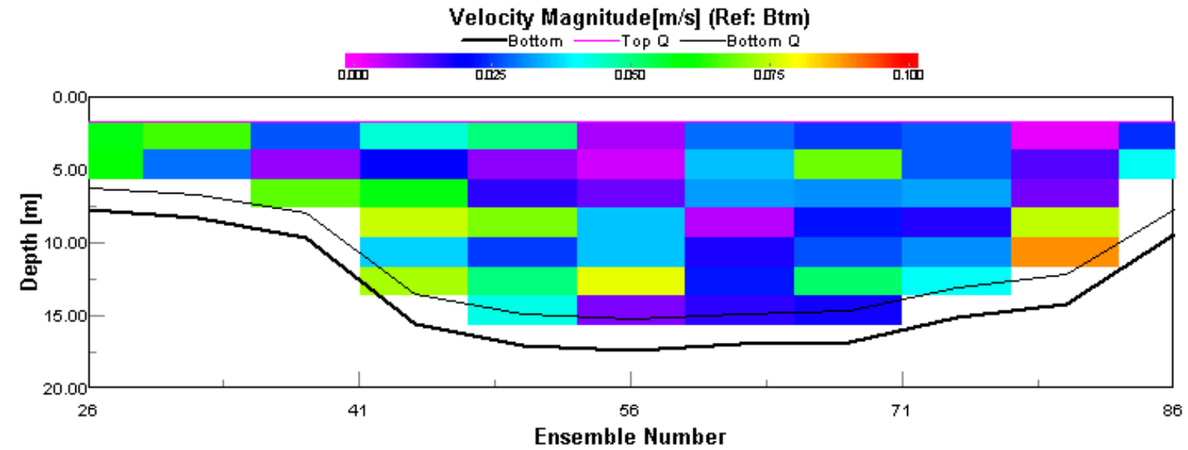
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 20

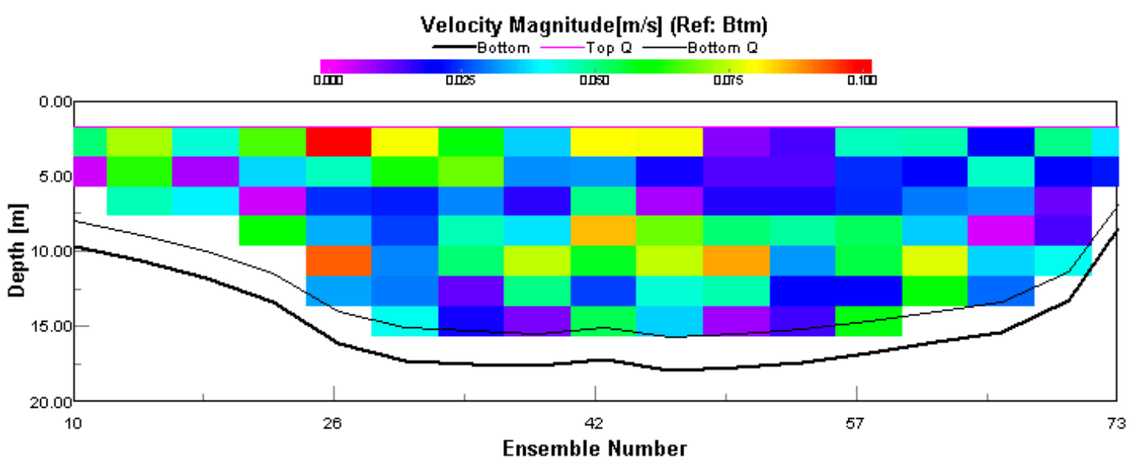
Spring – 2003
Average: 3 ensembles
Discharge: 39.73 m^3/s



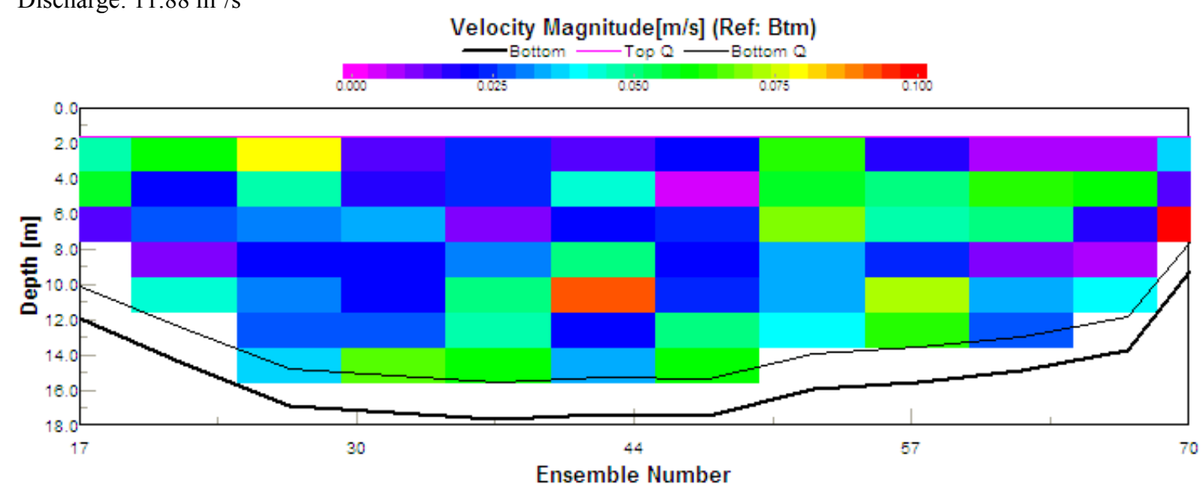
Fall – 2003
Average: 6 ensembles
Discharge: 4.12 m^3/s



Summer – 2003
Average: 4 ensembles
Discharge: 2 m^3/s



Winter – 2003
Average: 5 ensembles
Discharge: 11.88 m^3/s



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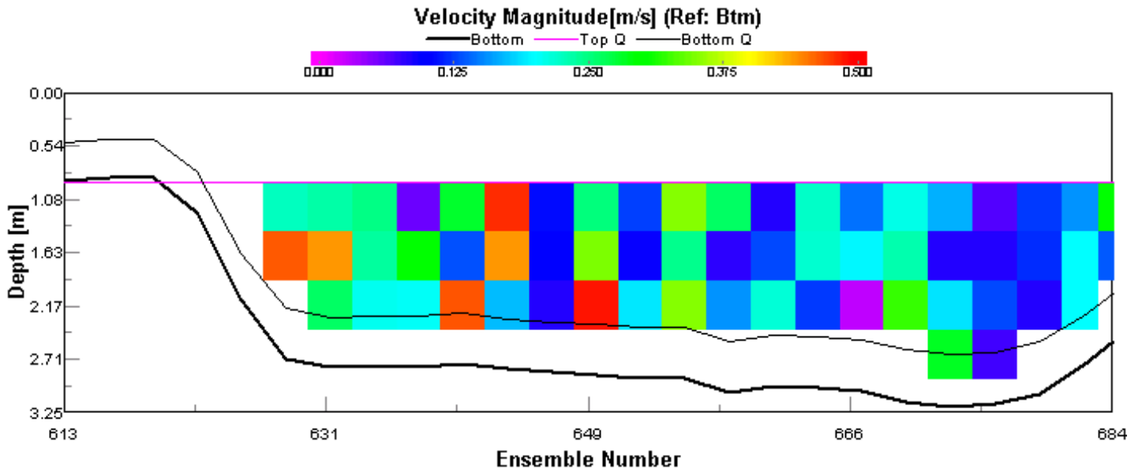
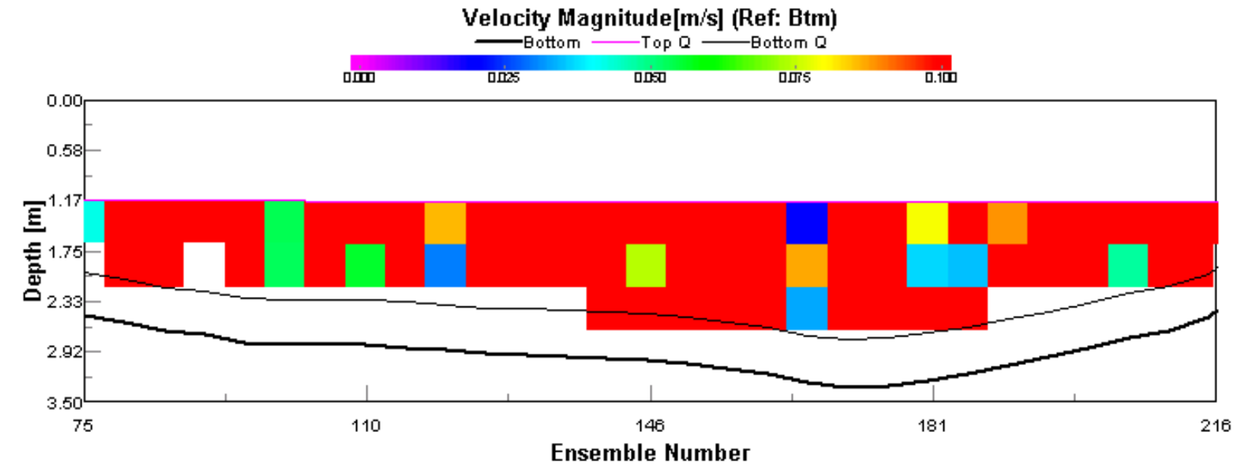
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 21

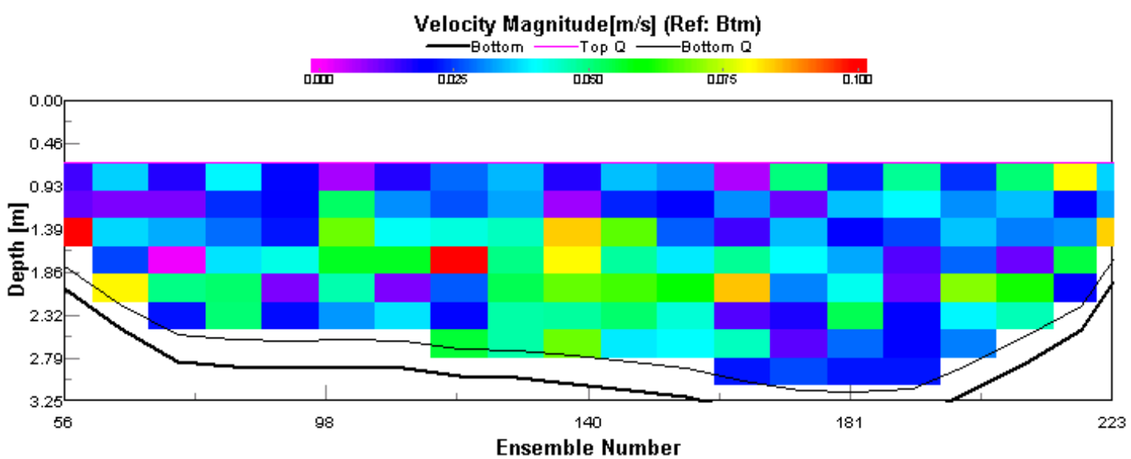
Spring – 2003
Average: 3 ensembles
Discharge: 2.74 m^3/s



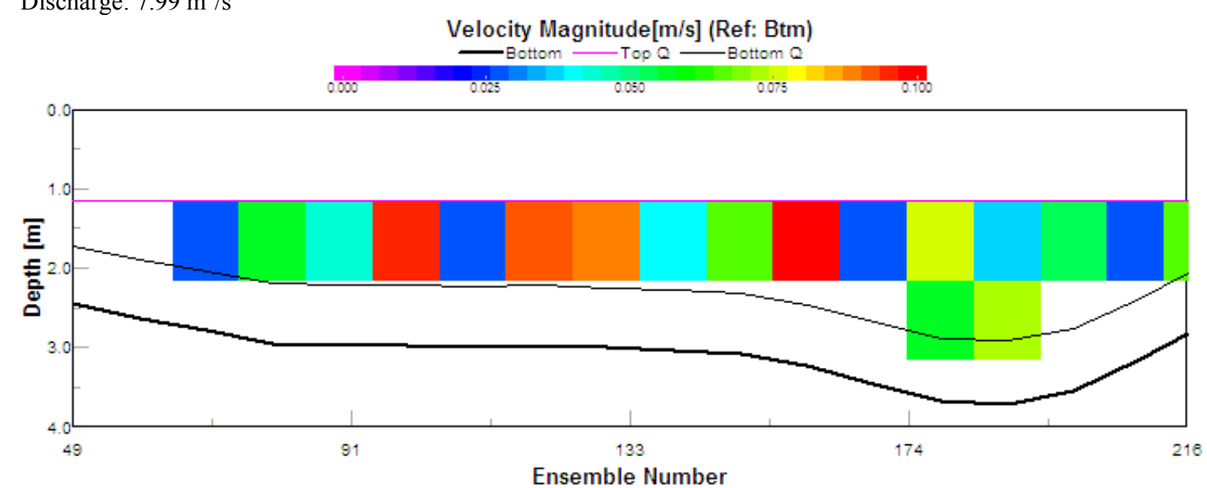
Fall – 2003
Average: 5 ensembles
Discharge: 3.44 m^3/s



Summer – 2003
Average: 9 ensembles
Discharge: 11m^3/s



Winter – 2003
Average: 10 ensembles
Discharge: 7.99 m^3/s



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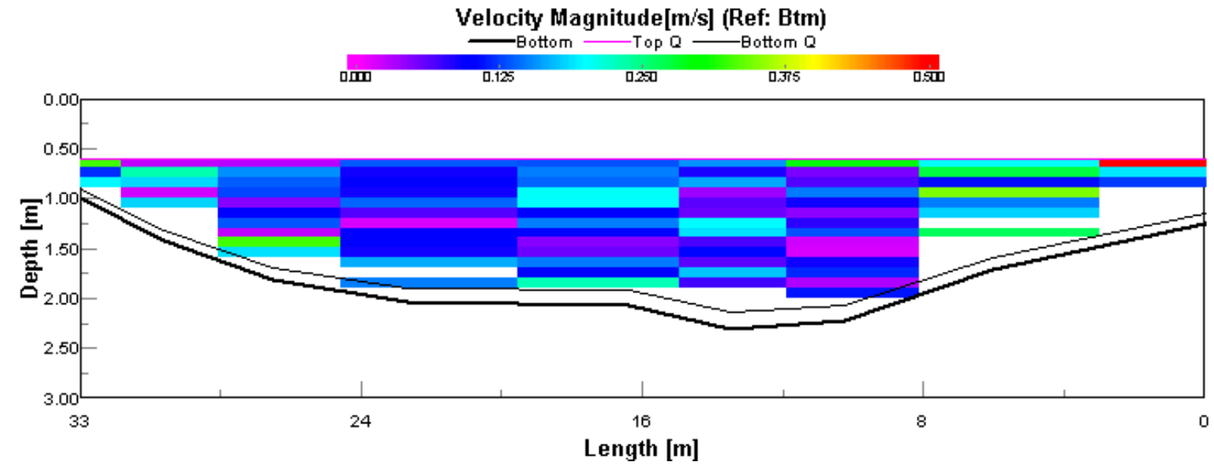
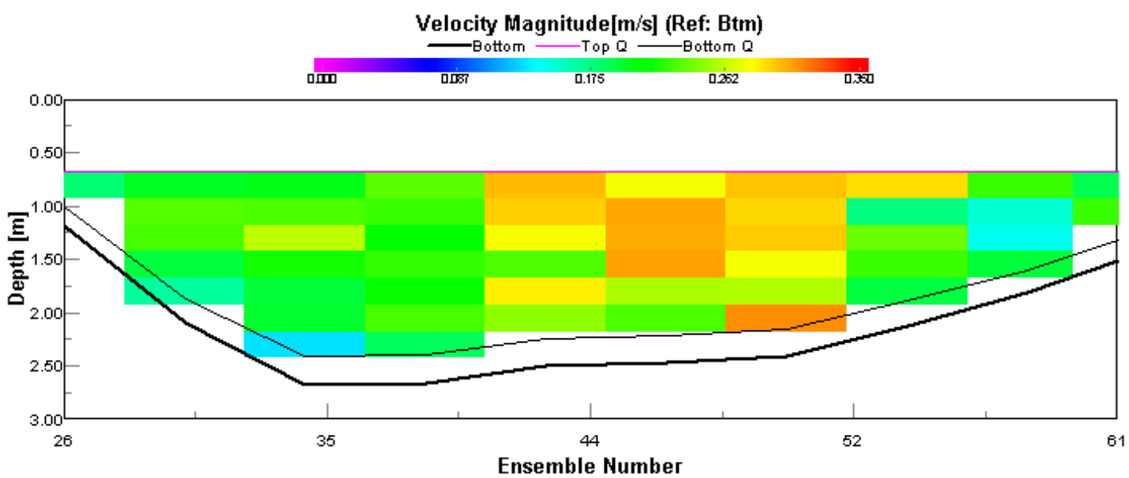
CONTOUR PLOTS OF CURRENT DATA – TRANSECT 22

Spring – 2003
Not Conducted

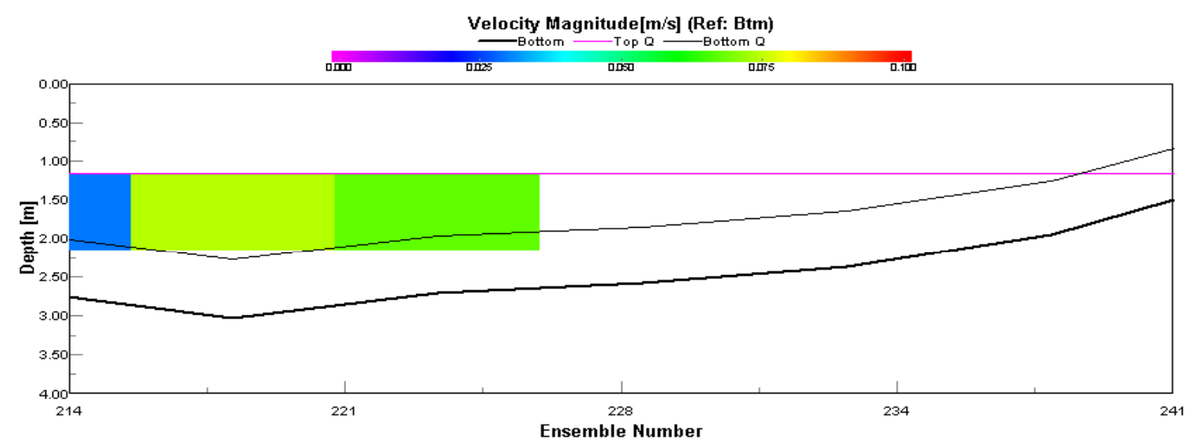
Fall – 2003
Average: 3 ensembles
Discharge: 2.23 m^3/s



Summer – 2003
Average: 4 ensembles
Discharge: 16.3 m^3/s
Note: Velocity range maximum = 0.3 m/s



Winter – 2003
Average: 5 ensembles
Discharge: 0.569 m^3/s

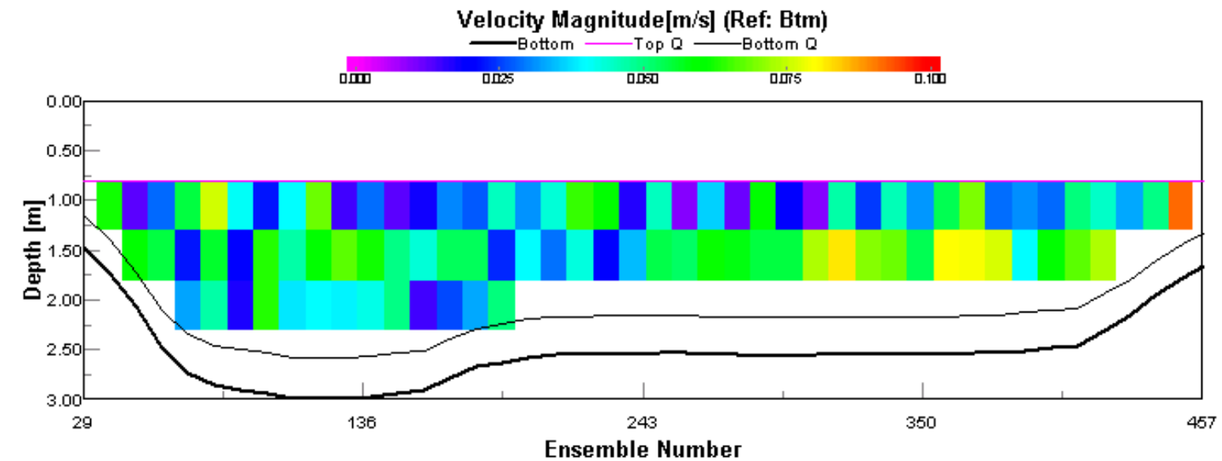


*An ensemble number is the identifier for each block of information collected. A block is variable based on the parameters (ping rate, averaging, depth cell size, etc) the operator has set the ADCP up for each transect.

CONTOUR PLOTS OF CURRENT DATA – TRANSECT 23

Spring – 2003
Not Conducted

Fall – 2003
Average: 10 ensembles
Discharge: 4.67 m^3/s



Summer – 2003
Not Conducted

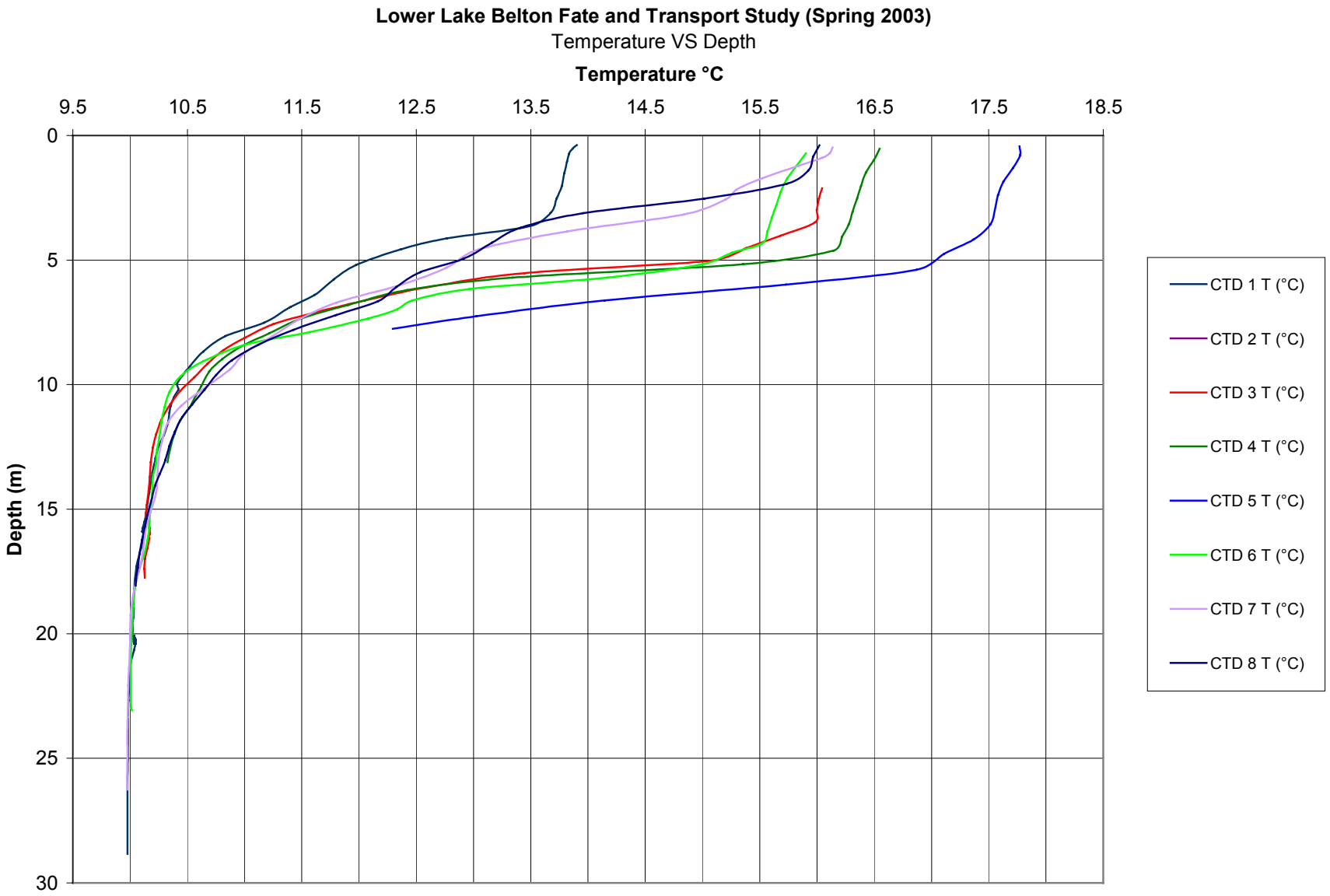
Winter – 2003
Not Conducted

*An ensemble number is the identifier for each block of information collected. A block is variable based on the parameters (ping rate, averaging, depth cell size, etc) the operator has set the ADCP up for each transect.

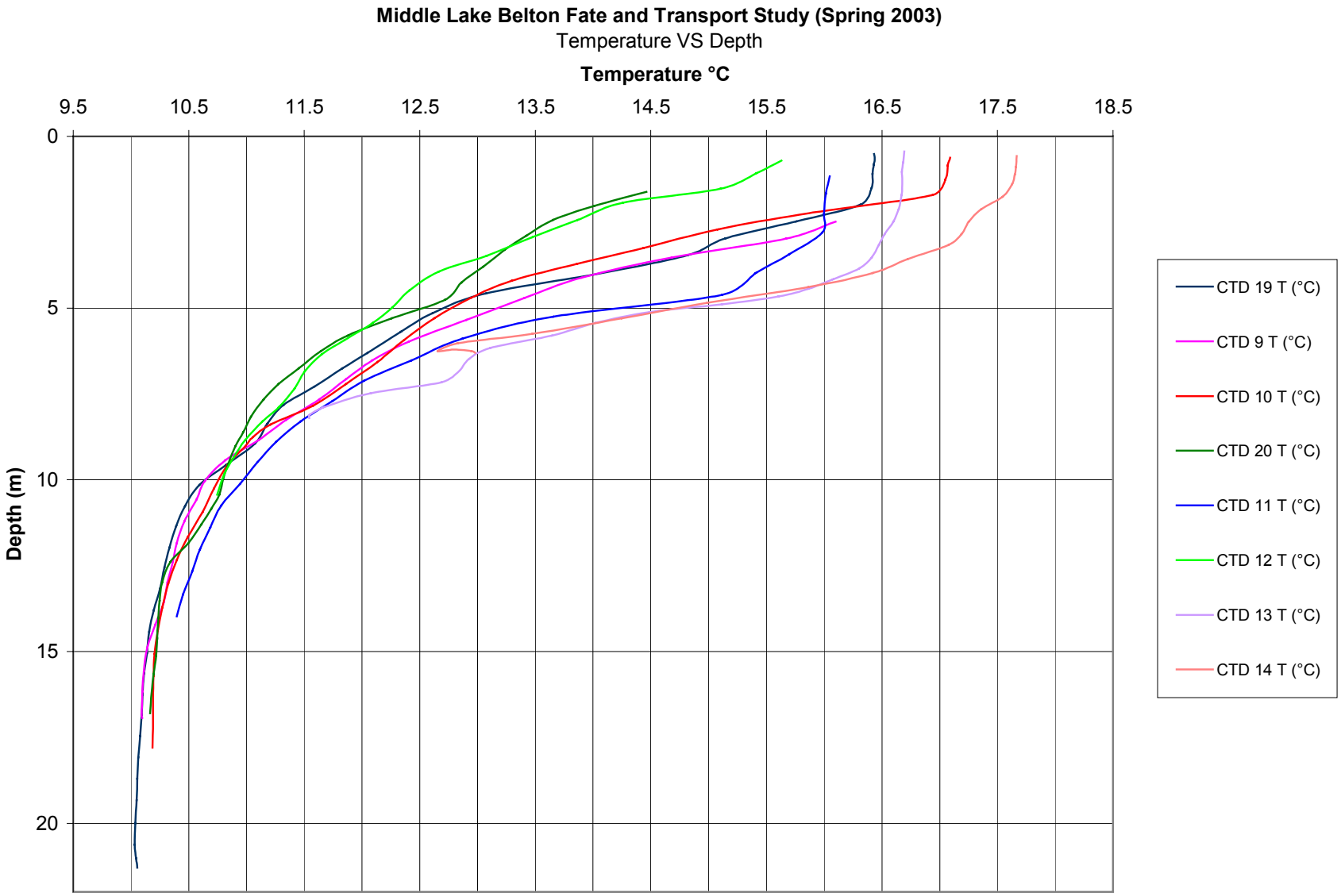
Appendix R

TEMPERATURE PLOTS FOR ADCP TRANSECTS

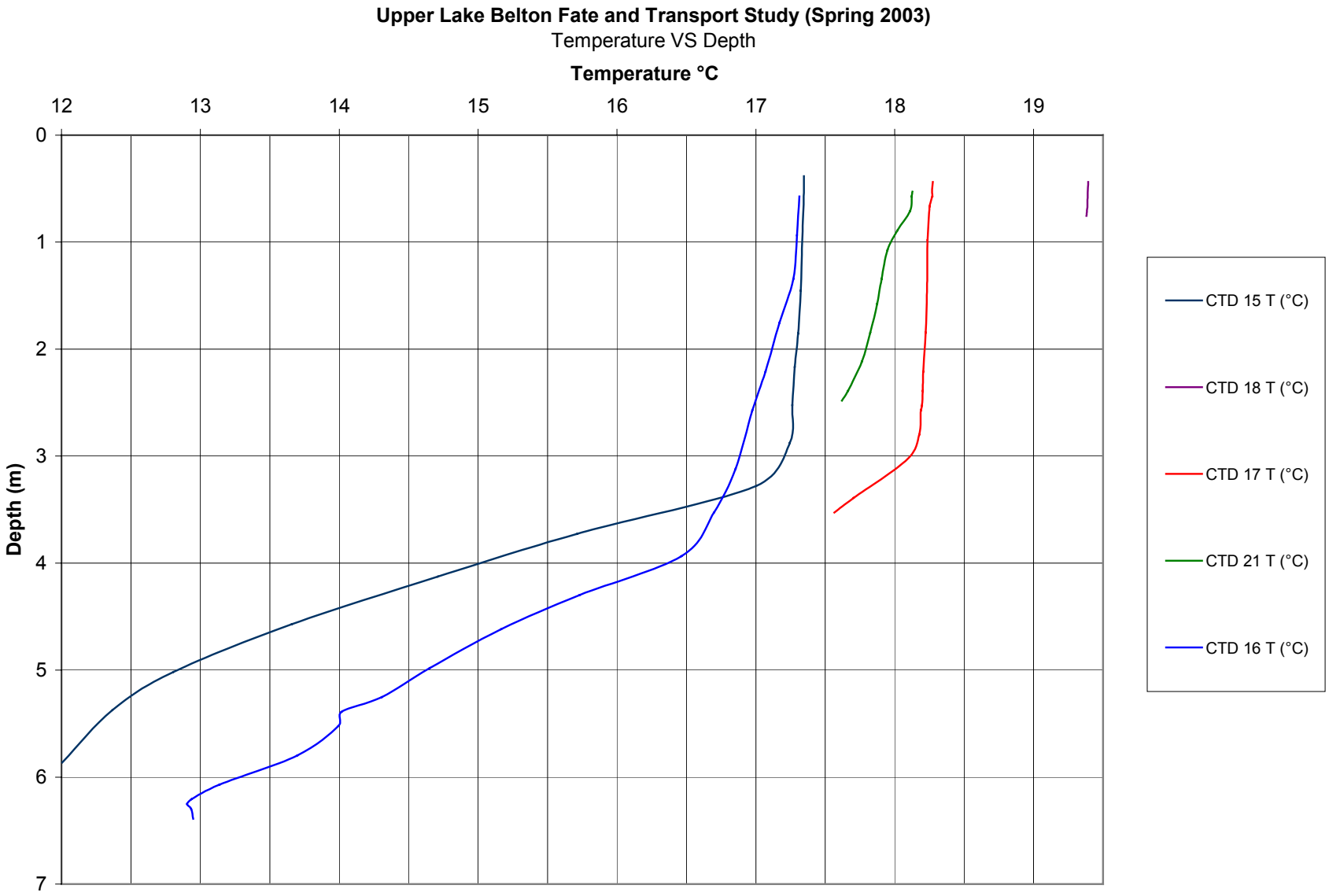
LAKE BELTON FATE AND TRANSPORT FIGURES SPRING 2003 (Page 1 of 3)



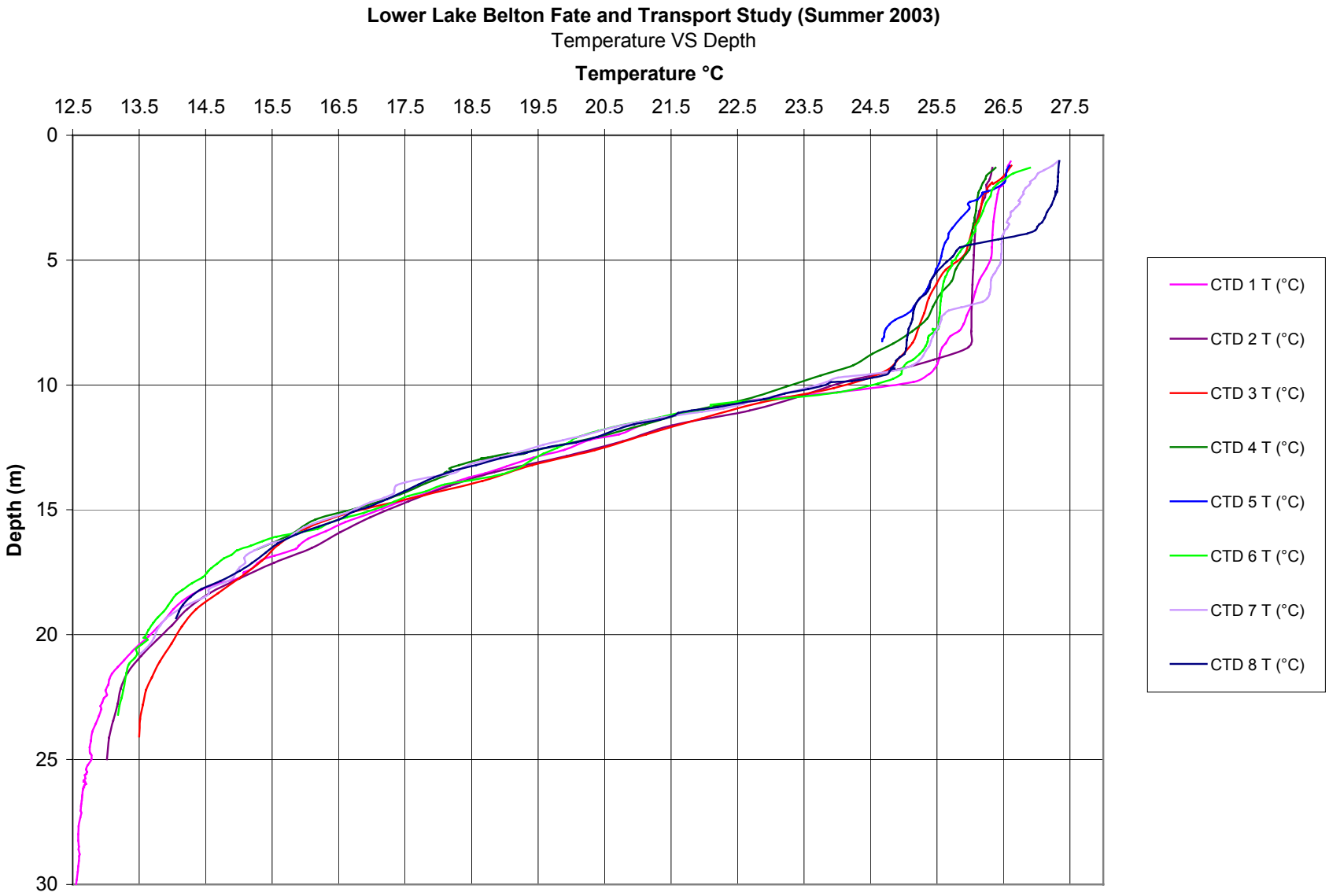
LAKE BELTON FATE AND TRANSPORT FIGURES SPRING 2003 (Page 2 of 3)



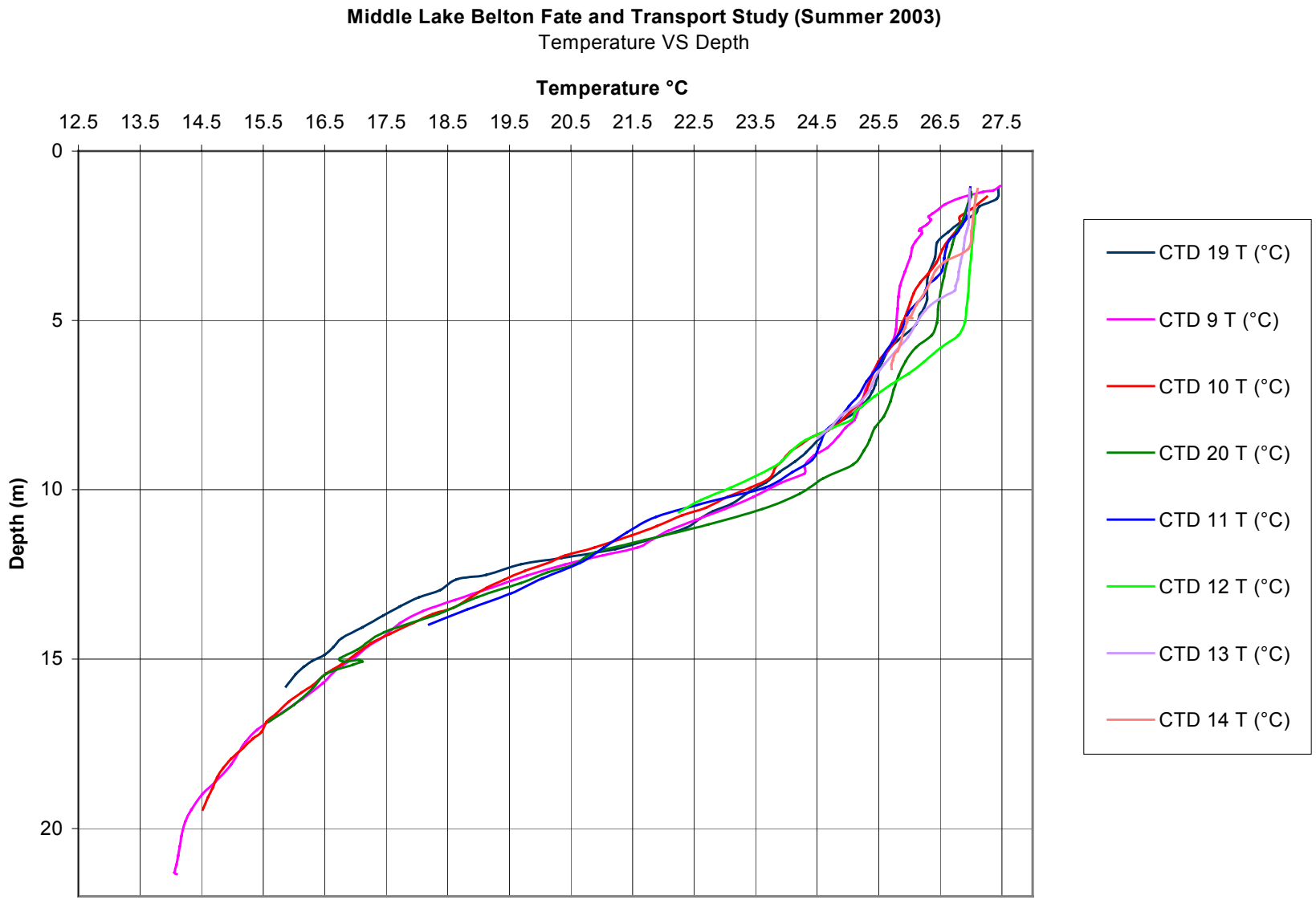
LAKE BELTON FATE AND TRANSPORT FIGURES SPRING 2003 (Page 3 of 3)



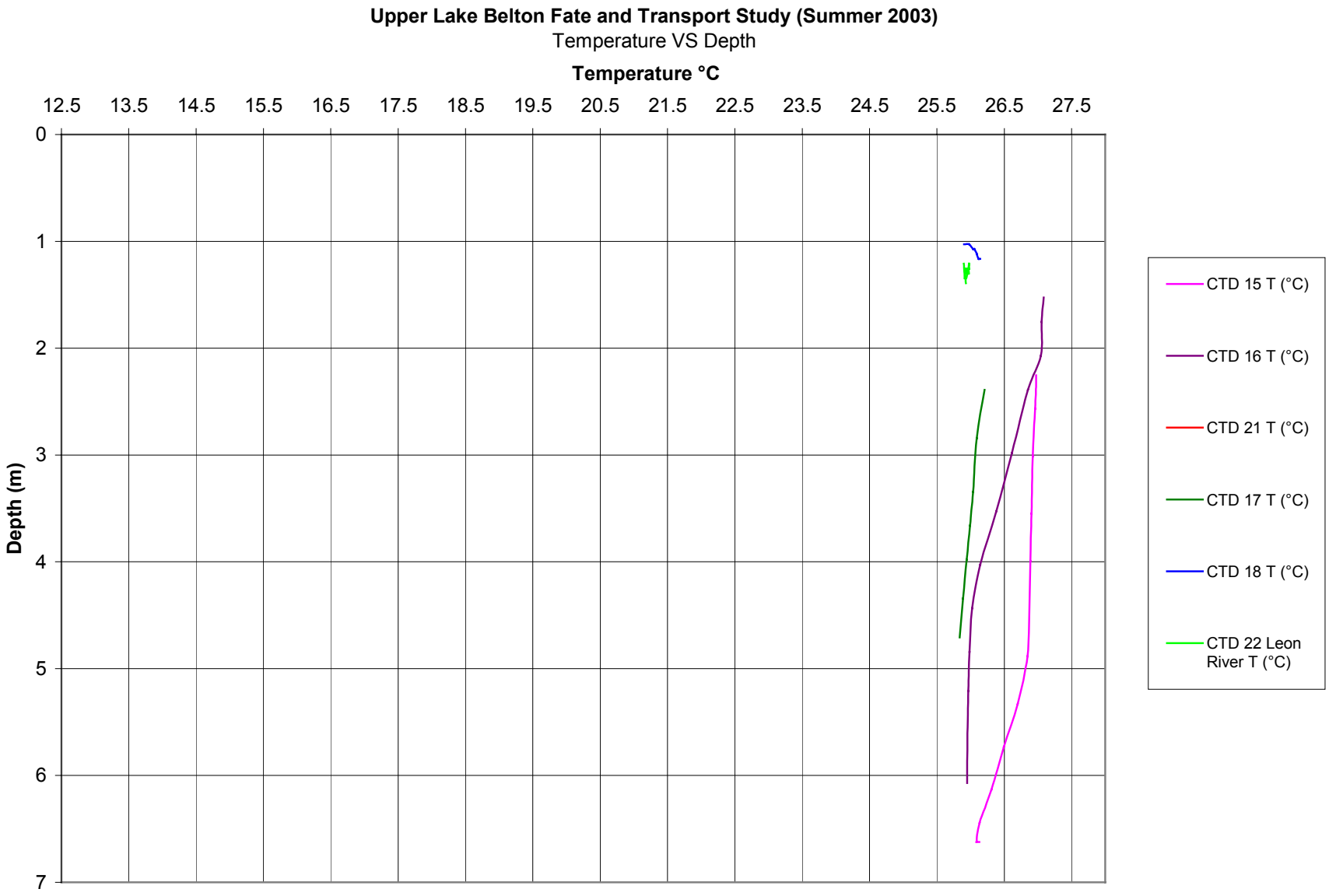
LAKE BELTON FATE AND TRANSPORT FIGURES SUMMER 2003 (Page 1 of 3)



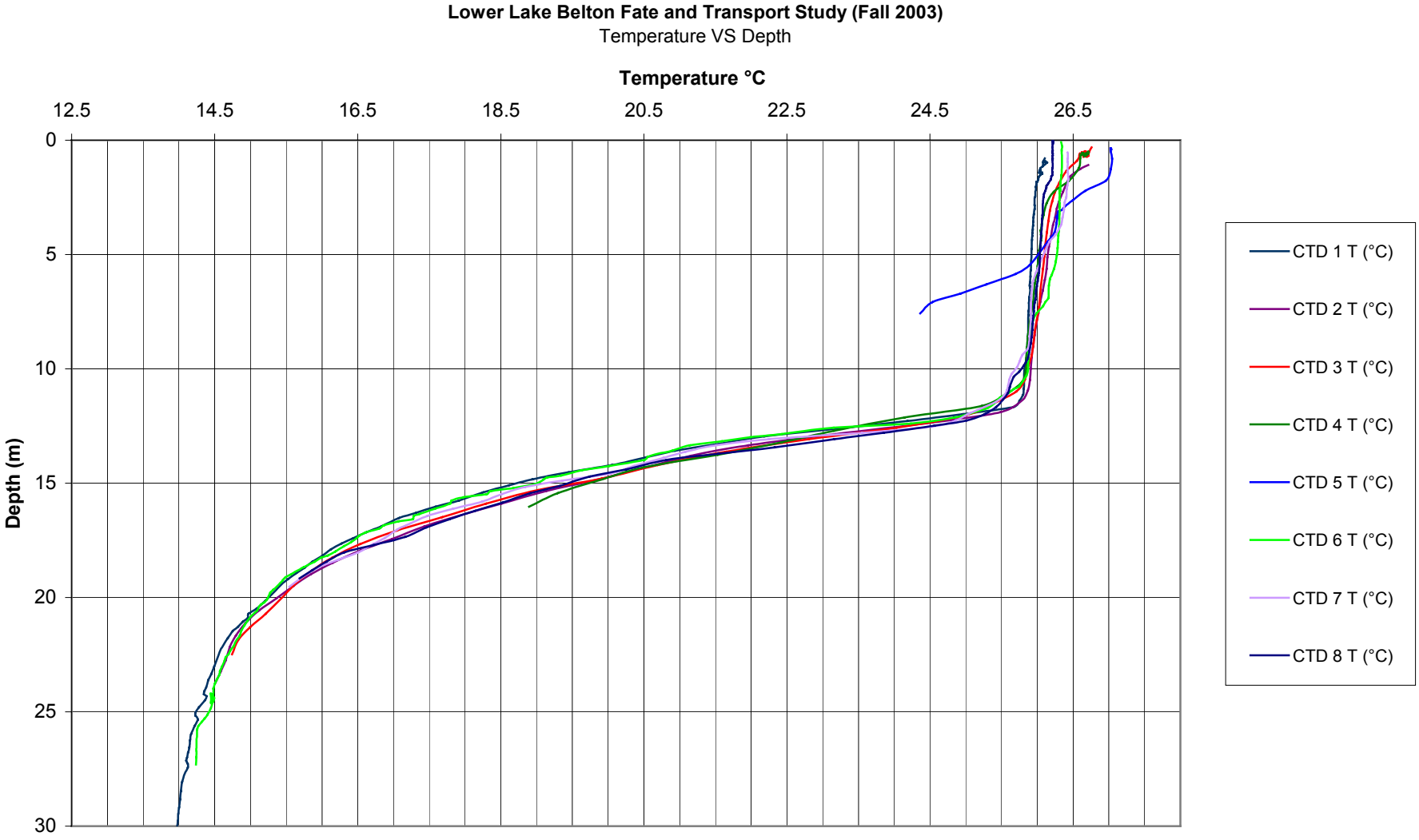
LAKE BELTON FATE AND TRANSPORT FIGURES SUMMER 2003 (Page 2 of 3)



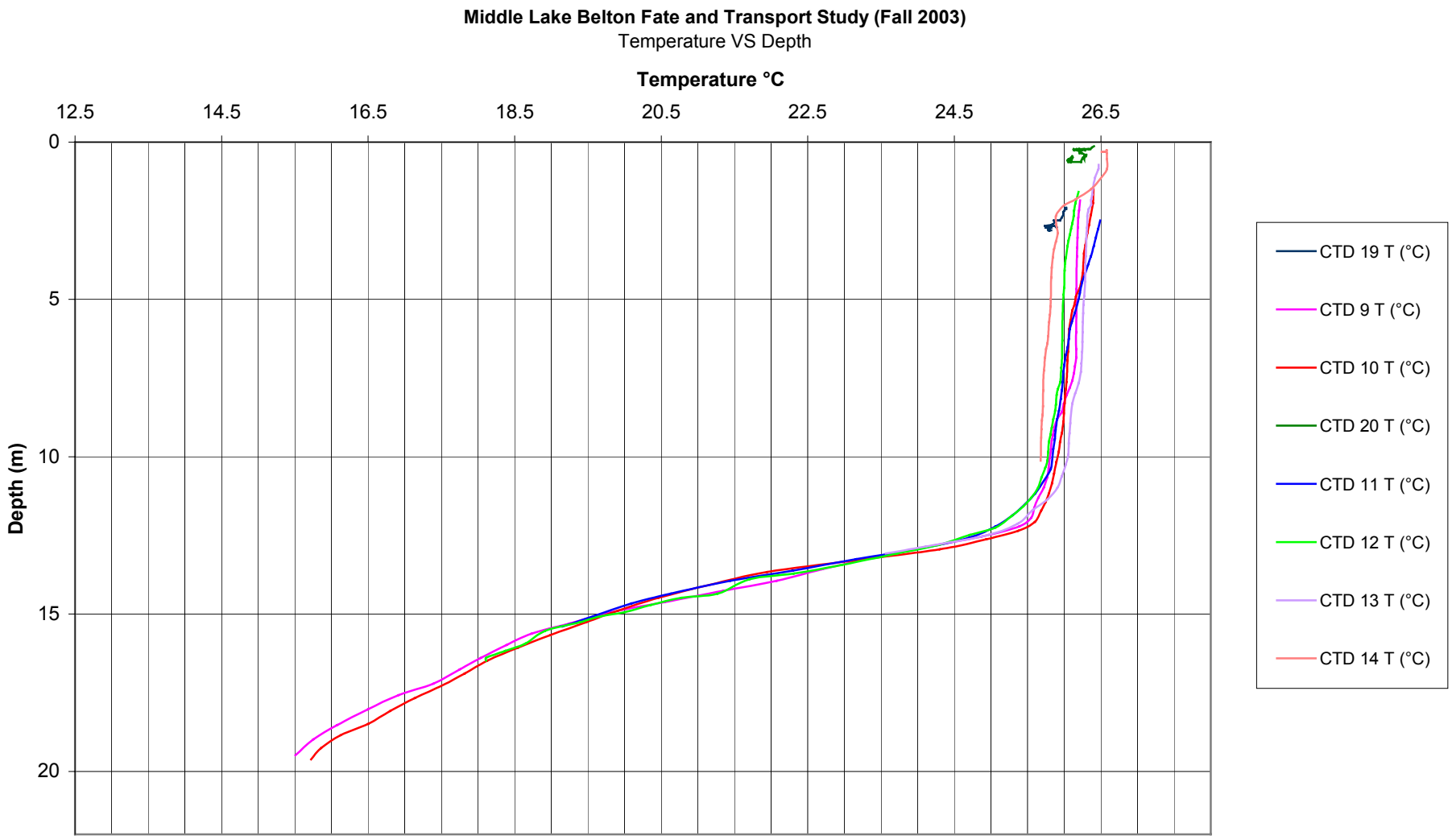
LAKE BELTON FATE AND TRANSPORT FIGURES SUMMER 2003 (Page 3 of 3)



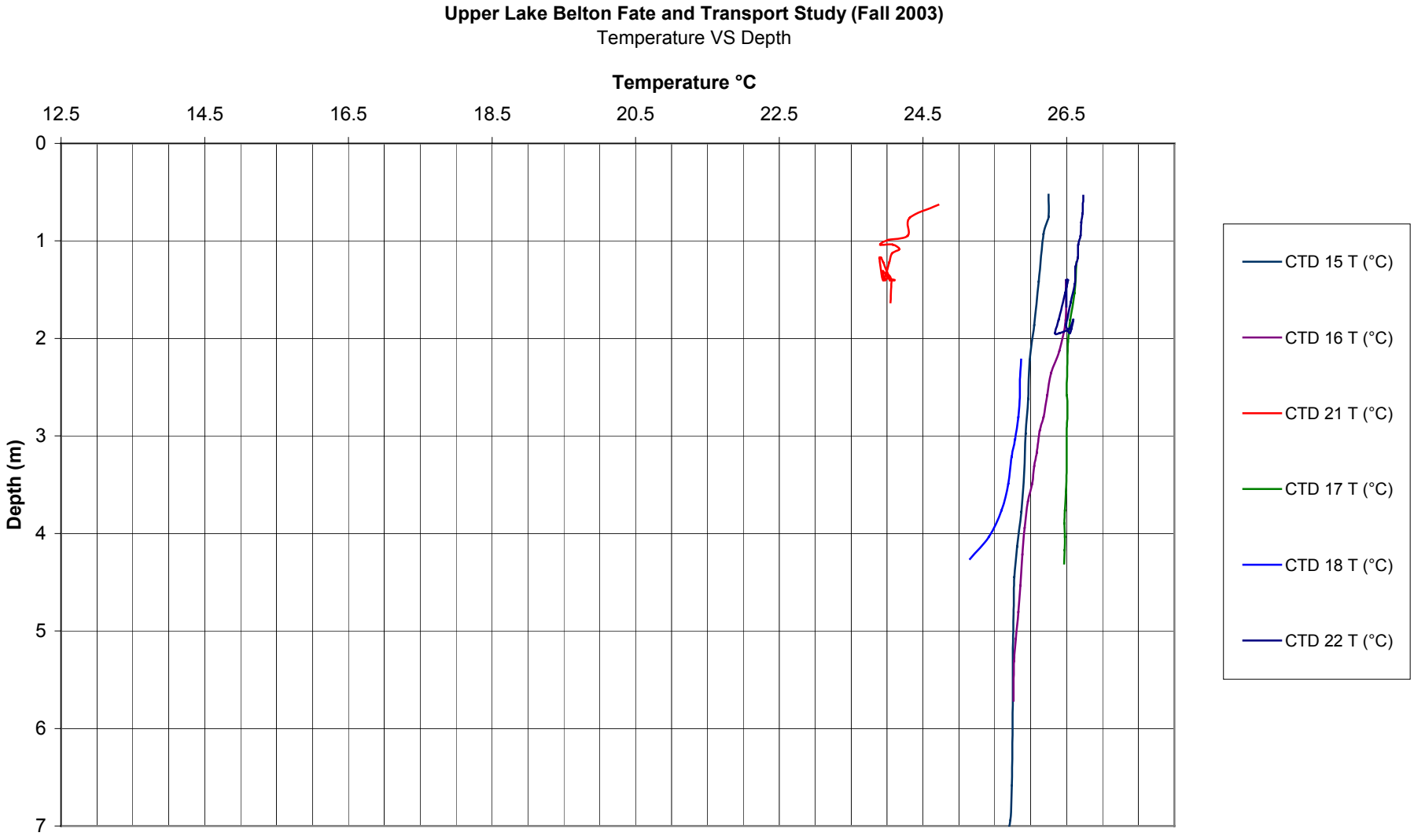
LAKE BELTON FATE AND TRANSPORT FIGURES FALL 2003 (Page 1 of 3)



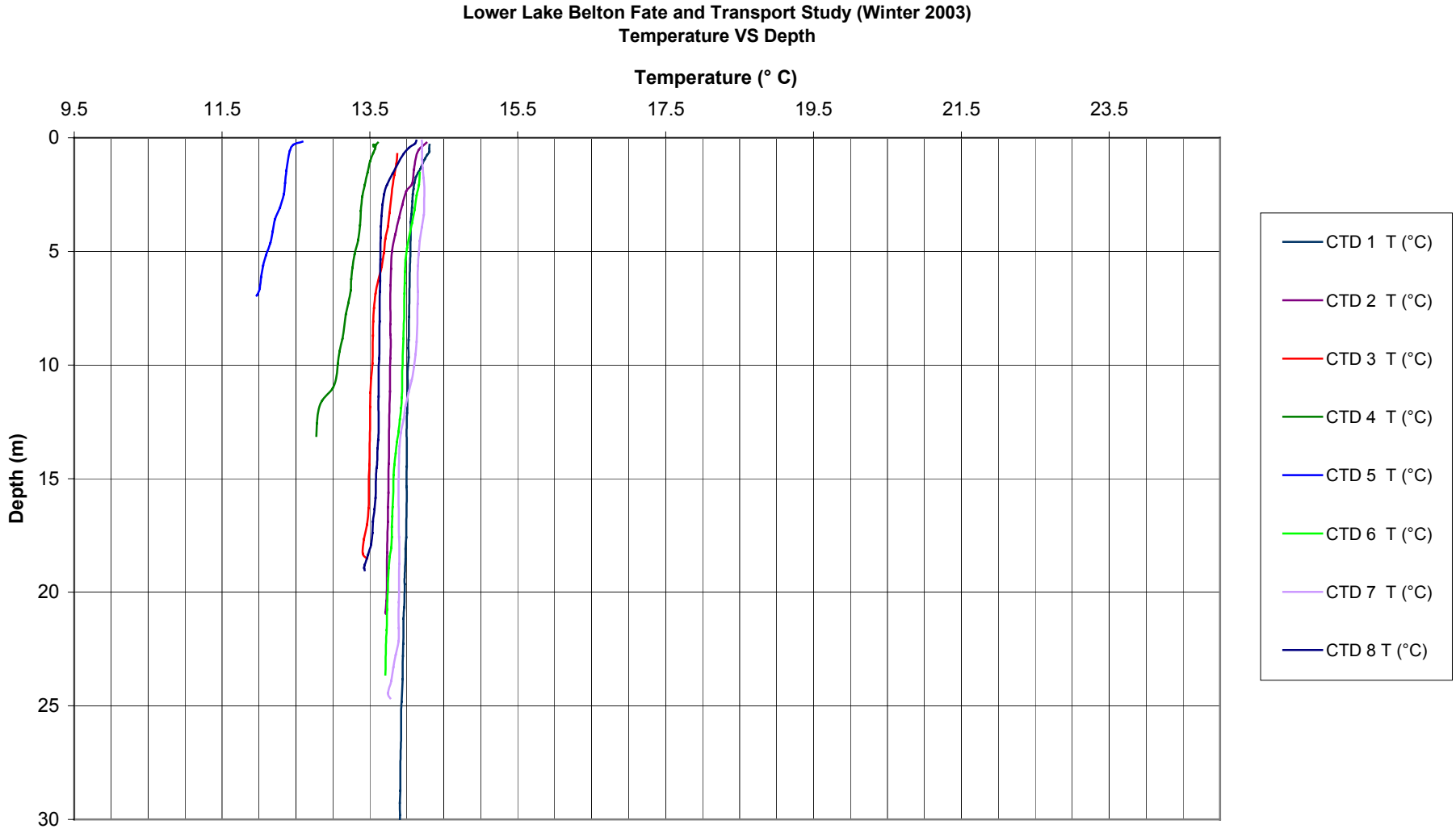
LAKE BELTON FATE AND TRANSPORT FIGURES FALL 2003 (Page 2 of 3)



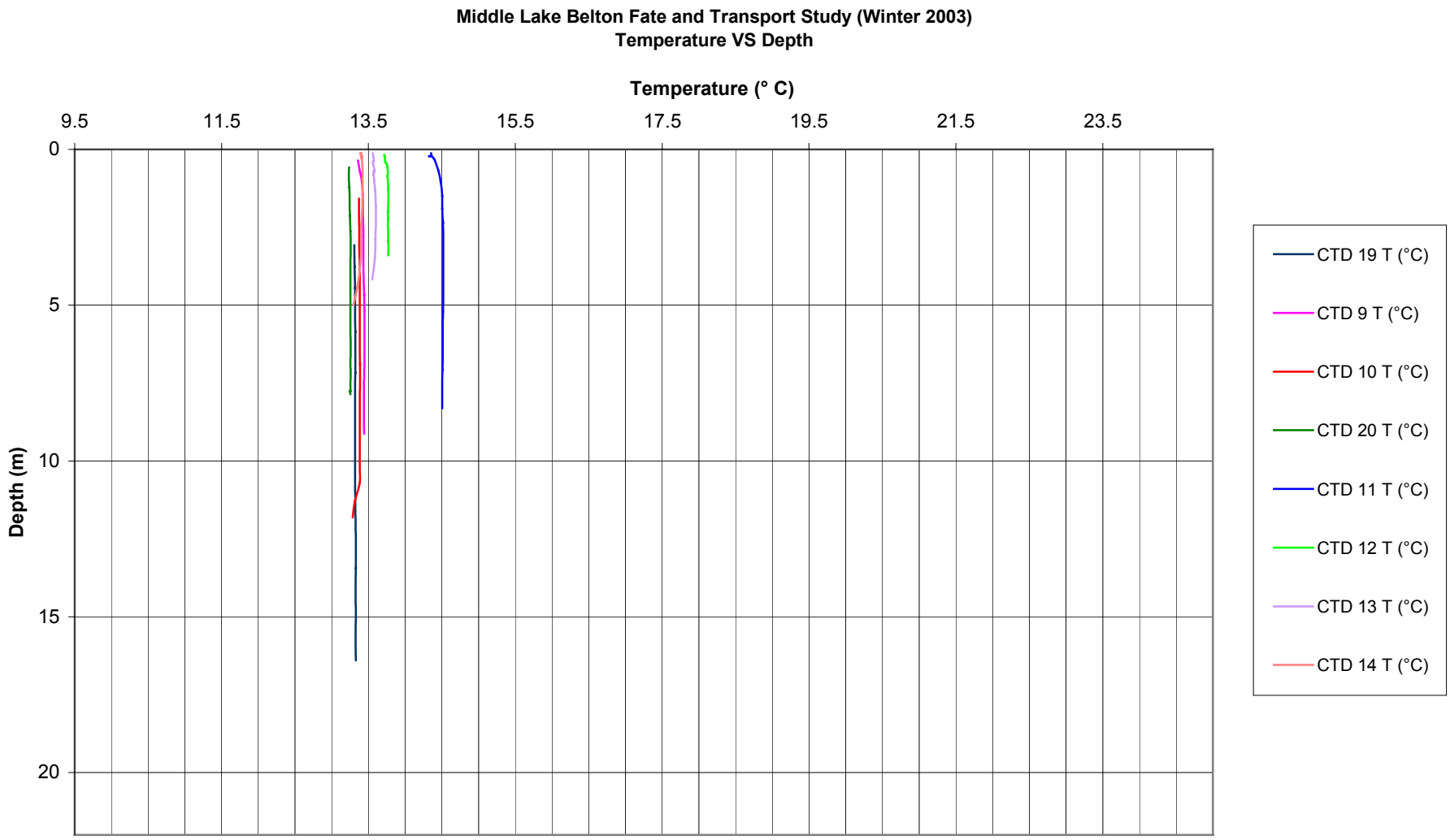
LAKE BELTON FATE AND TRANSPORT FIGURES FALL 2003 (Page 3 of 3)



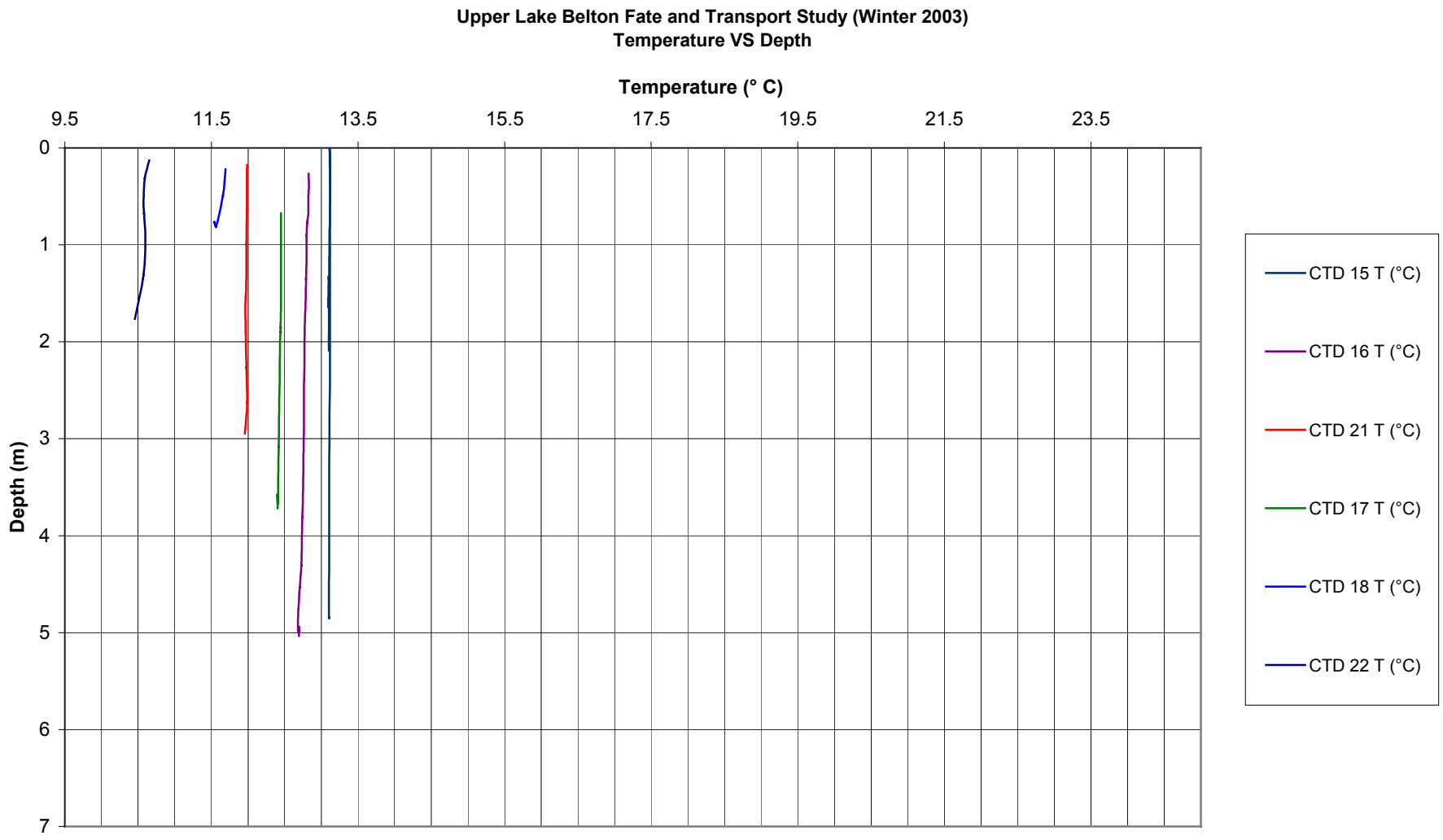
LAKE BELTON FATE AND TRANSPORT FIGURES WINTER 2003 (Page 1 of 3)



LAKE BELTON FATE AND TRANSPORT FIGURES WINTER 2003 (Page 2 of 3)



LAKE BELTON FATE AND TRANSPORT FIGURES WINTER 2003 (Page 3 of 3)



Appendix S

DELTA AREA STUDY SEDIMENT PORE WATER SAMPLE DATA SUMMARY

LAKE BELTON DELTA AREA STUDY SEDIMENT PORE WATER SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LB1-SPW-0	LB1-SPW-0	06/23/2003	0930	<1	µg/l	Peeper may be out of sediment
LB1-SPW-0 Dup	SPW-1001	06/23/2003	0930	<1	µg/l	Peeper may be out of sediment
LB1-SPW-1	LB1-SPW-1	06/23/2003	0931	<1	µg/l	Peeper may be out of sediment
LB1-SPW-2	LB1-SPW-2	06/23/2003	0932	<1	µg/l	Peeper may be out of sediment
LB2-SPW-0	LB2-SPW-0	06/23/2003	0940	<1	µg/l	
LB2-SPW-1	LB2-SPW-1	06/23/2003	0941	<1	µg/l	
LB2-SPW-2	LB2-SPW-2	06/23/2003	0942	<1	µg/l	
LB3-SPW-0	LB3-SPW-0	06/23/2003	0950	<1	µg/l	
LB3-SPW-1	LB3-SPW-1	06/23/2003	0951	<1	µg/l	
LB3-SPW-2	LB3-SPW-2	06/23/2003	0952	<1	µg/l	
LB4-SPW-0	LB4-SPW-0	06/23/2003	1000	<1	µg/l	
LB4-SPW-1	LB4-SPW-1	06/23/2003	1001	<1	µg/l	
LB4-SPW-1 Dup	SPW-1002	06/23/2003	1001	<1	µg/l	
LB4-SPW-2	LB4-SPW-2	06/23/2003	1002	<1	µg/l	
LB5-SPW-0	LB5-SPW-0	06/23/2003	1010	<1	µg/l	
LB5-SPW-1	LB5-SPW-1	06/23/2003	1011	<1	µg/l	
LB5-SPW-2	LB5-SPW-2	06/23/2003	1012	<1	µg/l	
LB6-SPW-0	LB6-SPW-0	06/23/2003	1015	<1	µg/l	
LB6-SPW-1	LB6-SPW-1	06/23/2003	1016	<1	µg/l	
LB6-SPW-2	LB6-SPW-2	06/23/2003	1017	<1	µg/l	
LB7-SPW-0	LB7-SPW-0	06/23/2003	1020	<1	µg/l	
LB7-SPW-1	LB7-SPW-1	06/23/2003	1021	<1	µg/l	
LB7-SPW-2	LB7-SPW-2	06/23/2003	1022	<1	µg/l	
LB7-SPW-2 Dup	SPW-1003	06/23/2003	1022	<1	µg/l	
LB8-SPW-0	LB8-SPW-0	06/23/2003	1030	<1	µg/l	
LB8-SPW-1	LB8-SPW-1	06/23/2003	1031	<1	µg/l	
LB8-SPW-2	LB8-SPW-2	06/23/2003	1032	<1	µg/l	
LB9-SPW-0	LB9-SPW-0	06/23/2003	1045	<1	µg/l	
LB9-SPW-1	LB9-SPW-1	06/23/2003	1046	<1	µg/l	
LB9-SPW-2	LB9-SPW-2	06/23/2003	1047	<1	µg/l	
LB10-SPW-0	LB10-SPW-0	06/23/2003	1050	<1	µg/l	
LB10-SPW-1	LB10-SPW-1	06/23/2003	1051	<1	µg/l	
LB10-SPW-2	LB10-SPW-2	06/23/2003	1052	<1	µg/l	
LB11-SPW-0	LB11-SPW-0	06/23/2003	1055	<1	µg/l	
LB11-SPW-0 Dup	SPW-1004	06/23/2003	1055	<1	µg/l	
LB11-SPW-1	LB11-SPW-1	06/23/2003	1056	<1	µg/l	
LB11-SPW-2	LB11-SPW-2	06/23/2003	1057	<1	µg/l	
LB12-SPW-0	LB12-SPW-0	06/23/2003	1105	<1	µg/l	
LB12-SPW-1	LB12-SPW-1	06/23/2003	1106	<1	µg/l	
LB12-SPW-2	LB12-SPW-2	06/23/2003	1107	<1	µg/l	
LB13-SPW-0	LB13-SPW-0	06/23/2003	1110	<1	µg/l	
LB13-SPW-1	LB13-SPW-1	06/23/2003	1111	<1	µg/l	
LB13-SPW-2	LB13-SPW-2	06/23/2003	1112	<1	µg/l	
LB14-SPW-0	LB14-SPW-0	06/23/2003	1115	<1	µg/l	

LAKE BELTON DELTA AREA STUDY SEDIMENT PORE WATER SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LB14-SPW-1	LB14-SPW-1	06/23/2003	1116	<1	µg/l	
LB14-SPW-1 Dup	SPW1005	06/23/2003	1116	<1	µg/l	
LB14-SPW-2	LB14-SPW-2	06/23/2003	1117	<1	µg/l	
LB15-SPW-0	LB15-SPW-0	06/23/2003	1210	<1	µg/l	
LB15-SPW-1	LB15-SPW-1	06/23/2003	1211	<1	µg/l	
LB15-SPW-2	LB15-SPW-2	06/23/2003	1212	<1	µg/l	
LB16-SPW-0	LB16-SPW-0	06/23/2003	1130	<1	µg/l	
LB16-SPW-1	LB16-SPW-1	06/23/2003	1131	<1	µg/l	
LB16-SPW-2	LB16-SPW-2	06/23/2003	1132	<1	µg/l	
LB17-SPW-0	LB17-SPW-0	06/23/2003	1120	<1	µg/l	
LB17-SPW-1	LB17-SPW-1	06/23/2003	1121	<1	µg/l	
LB17-SPW-2	LB17-SPW-2	06/23/2003	1122	<1	µg/l	
LB17-SPW-2 Dup	SPW1006	06/23/2003	1122	<1	µg/l	
LB18-SPW-0	LB18-SPW-0	06/23/2003	1205	<1	µg/l	
LB18-SPW-1	LB18-SPW-1	06/23/2003	1206	<1	µg/l	
LB18-SPW-2	LB18-SPW-2	06/23/2003	1207	<1	µg/l	
LB19-SPW-0	LB19-SPW-0	06/23/2003	1200	<1	µg/l	
LB19-SPW-1	LB19-SPW-1	06/23/2003	1201	<1	µg/l	
LB19-SPW-2	LB19-SPW-2	06/23/2003	1202	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

LAKE BELTON DELTA AREA STUDY EQUIPMENT BLANK SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
Equipment Blank	EB-1001	06/23/2003	0000	<1	µg/l	
Equipment Blank	EB-1002	06/23/2003	0000	<1	µg/l	
Equipment Blank	EB-1003	06/23/2003	0000	<1	µg/l	
Equipment Blank	EB-1004	06/23/2003	0000	<1	µg/l	
Equipment Blank	EB-1005	06/23/2003	0000	<1	µg/l	
Equipment Blank	EB-1006	06/23/2003	0000	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.

LAKE BELTON DELTA AREA STUDY INVESTIGATIVE DERIVED WASTE SAMPLE DATA SUMMARY
LAKE BELTON, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
IDW	DAFB-IDW-LB-PEEPER	06/23/2003	0000	<1 UJ	µg/l	Water IDW Sample

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
IDW Investigative derived waste
UJ Potential low bias, possible false negative.

LAKE WACO DELTA AREA STUDY SEDIMENT PORE WATER SAMPLE DATA SUMMARY
LAKE WACO, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LW1-SPW-0	LW1-SPW-0	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW1-SPW-0 Dup	SPW1007	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW1-SPW-1	LW1-SPW-1	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW1-SPW-2	LW1-SPW-2	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW2-SPW-0	LW2-SPW-0	07/10/2003	0925	<1	µg/l	
LW2-SPW-1	LW2-SPW-1	07/10/2003	0925	<1	µg/l	
LW3-SPW-0	LW3-SPW-0	07/10/2003	0925	<1	µg/l	
LW3-SPW-1	LW3-SPW-1	07/10/2003	0925	<1	µg/l	
LW3-SPW-2	LW3-SPW-2	07/10/2003	0925	<1	µg/l	
LW4-SPW-0	LW4-SPW-0	07/10/2003	0925	<1	µg/l	
LW4-SPW-1	LW4-SPW-1	07/10/2003	0925	<1	µg/l	
LW4-SPW-1 Dup	SPW1008	07/10/2003	0925	<1	µg/l	
LW4-SPW-2	LW4-SPW-2	07/10/2003	0925	<1	µg/l	
LW5-SPW-0	LW5-SPW-0	07/10/2003	0925	<1	µg/l	
LW5-SPW-1	LW5-SPW-1	07/10/2003	0925	<1	µg/l	
LW5-SPW-2	LW5-SPW-2	07/10/2003	0925	<1	µg/l	
LW6-SPW-0	LW6-SPW-0	07/10/2003	0925	<1	µg/l	
LW6-SPW-1	LW6-SPW-1	07/10/2003	0925	<1	µg/l	
LW6-SPW-2	LW6-SPW-2	07/10/2003	0925	<1	µg/l	
LW7-SPW-0	LW7-SPW-0	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW7-SPW-1	LW7-SPW-1	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW7-SPW-2	LW7-SPW-2	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW7-SPW-2 Dup	SPW1009	07/10/2003	0925	<1	µg/l	Peeper may be out of sediment
LW8-SPW-0	LW8-SPW-0	07/10/2003	0925	<1	µg/l	
LW8-SPW-1	LW8-SPW-1	07/10/2003	0925	<1	µg/l	
LW8-SPW-2	LW8-SPW-2	07/10/2003	0925	<1	µg/l	
LW9-SPW-0	LW9-SPW-0	07/10/2003	0925	<1	µg/l	
LW9-SPW-1	LW9-SPW-1	07/10/2003	0925	<1	µg/l	
LW9-SPW-2	LW9-SPW-2	07/10/2003	0925	<1	µg/l	
LW10-SPW-0	LW10-SPW-0	07/10/2003	0925	<1	µg/l	
LW10-SPW-1	LW10-SPW-1	07/10/2003	0925	<1	µg/l	
LW10-SPW-2	LW10-SPW-2	07/10/2003	0925	<1	µg/l	
LW11-SPW-0	LW11-SPW-0	07/10/2003	0925	<1	µg/l	
LW11-SPW-0 Dup	SPW1010	07/10/2003	0925	<1	µg/l	
LW11-SPW-1	LW11-SPW-1	07/10/2003	0925	<1	µg/l	
LW11-SPW-2	LW11-SPW-2	07/10/2003	0925	<1	µg/l	
LW12-SPW-0	LW12-SPW-0	07/10/2003	0925	<1	µg/l	
LW12-SPW-1	LW12-SPW-1	07/10/2003	0925	<1	µg/l	
LW12-SPW-2	LW12-SPW-2	07/10/2003	0925	<1	µg/l	
LW13-SPW-0	LW13-SPW-0	07/10/2003	0925	<1	µg/l	
LW13-SPW-1	LW13-SPW-1	07/10/2003	0925	<1	µg/l	
LW13-SPW-2	LW13-SPW-2	07/10/2003	0925	<1	µg/l	
LW14-SPW-0	LW14-SPW-0	07/10/2003	0925	<1	µg/l	
LW14-SPW-1	LW14-SPW-1	07/10/2003	0925	<1	µg/l	

LAKE WACO DELTA AREA STUDY SEDIMENT PORE WATER SAMPLE DATA SUMMARY
LAKE WACO, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
LW14-SPW-1 Dup	SPW1011	07/10/2003	0925	<1	µg/l	
LW14-SPW-2	LW14-SPW-2	07/10/2003	0925	<1	µg/l	
LW15-SPW-0	LW15-SPW-0	07/10/2003	0925	<1	µg/l	
LW15-SPW-1	LW15-SPW-1	07/10/2003	0925	<1	µg/l	
LW15-SPW-2	LW15-SPW-2	07/10/2003	0925	<1	µg/l	
LW16-SPW-0	LW16-SPW-0	07/10/2003	0925	<1	µg/l	
LW16-SPW-1	LW16-SPW-1	07/10/2003	0925	<1	µg/l	
LW16-SPW-2	LW16-SPW-2	07/10/2003	0925	<1	µg/l	
LW17-SPW-0	LW17-SPW-0	07/10/2003	0925	<1	µg/l	
LW17-SPW-1	LW17-SPW-1	07/10/2003	0925	<1	µg/l	
LW17-SPW-2	LW17-SPW-2	07/10/2003	0925	<1	µg/l	
LW17-SPW-2 Dup	SPW1012	07/10/2003	0925	<1	µg/l	
LW18-SPW-0	LW18-SPW-0	07/10/2003	0925	<1	µg/l	
LW18-SPW-1	LW18-SPW-1	07/10/2003	1130	<1	µg/l	
LW18-SPW-2	LW18-SPW-2	07/10/2003	1129	<1	µg/l	
LW19-SPW-0	LW19-SPW-0	07/10/2003	1132	<1	µg/l	
LW19-SPW-1	LW19-SPW-1	07/10/2003	1132	<1	µg/l	
LW19-SPW-2	LW19-SPW-2	07/10/2003	1132	<1	µg/l	
LW20-SPW-0	LW20-SPW-0	07/10/2003	1200	<1	µg/l	
LW20-SPW-1	LW20-SPW-1	07/10/2003	1200	<1	µg/l	
LW20-SPW-2	LW20-SPW-2	07/10/2003	1200	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.
Dup Duplicate.

LAKE WACO DELTA AREA STUDY EQUIPMENT BLANK SAMPLE DATA SUMMARY
LAKE WACO, TEXAS

Location Identification	Field Identification	Collection Date	Collection Time	Perchlorate Result	Units	Comments
Equipment Blank	LW2-SPW-EB	07/10/2003	0935	<1	µg/l	
Equipment Blank	LW6-SPW-EB	07/10/2003	0000	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.

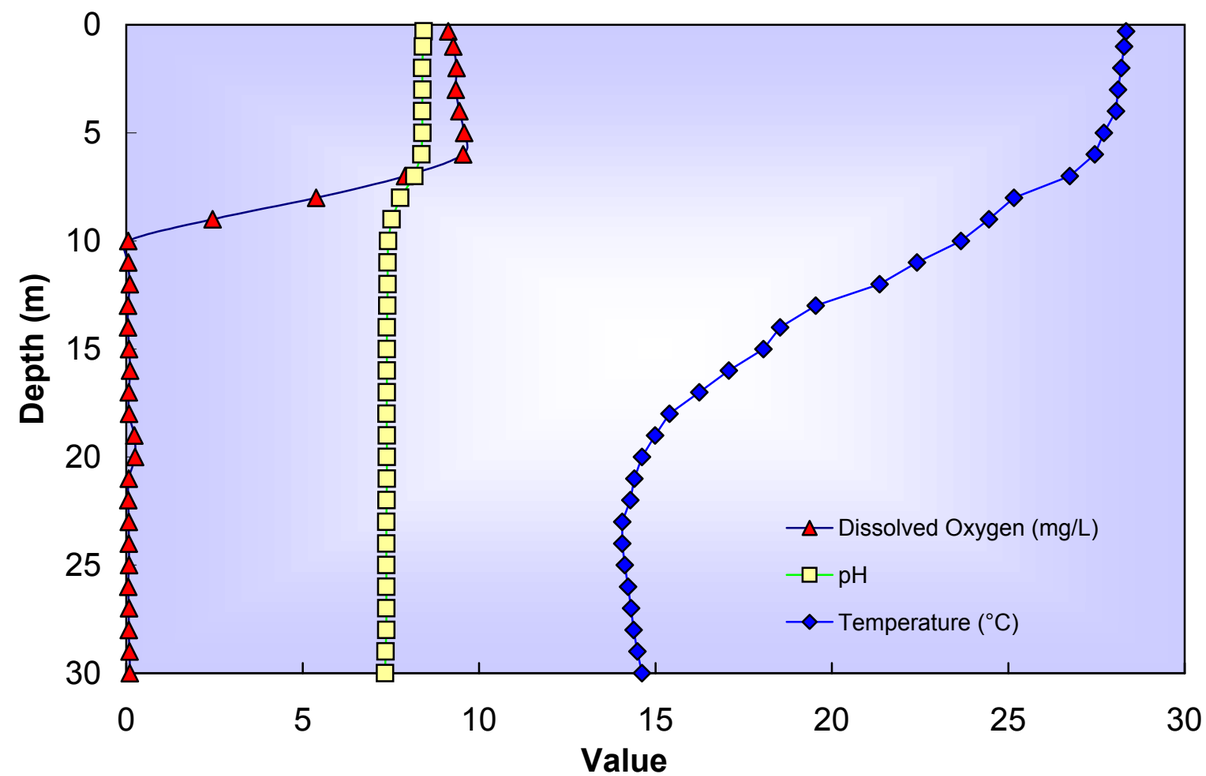
Appendix T

LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN,
AND PH PROFILES

LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Deep 1
Date	15-Jul-03
Time	11:45
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	50
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3
Transperancy. Secchi Disc (Meters)	1.62
Color, Borger System	30
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	80 degrees
Wind	SE

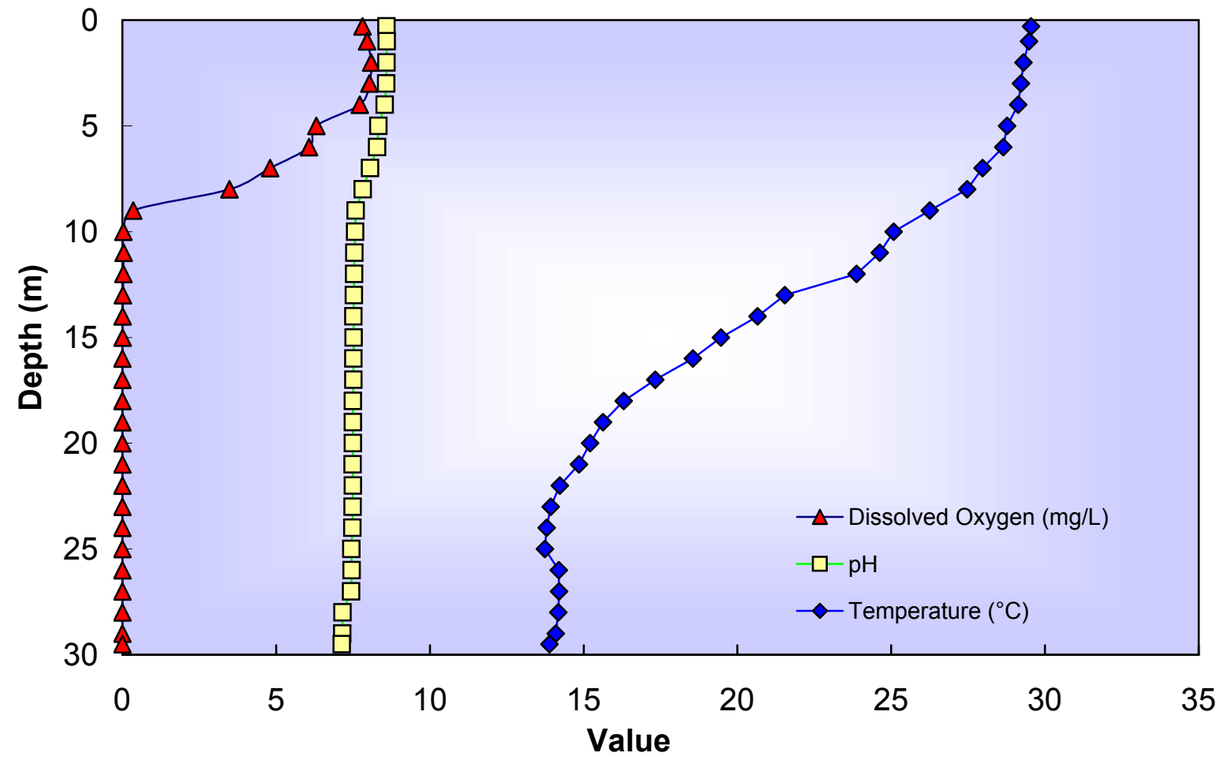
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	28.34	9.13	8.43	118.4	0.3
1	28.28	9.27	8.41	120.6	1
2	28.20	9.36	8.39	120.5	2
3	28.11	9.34	8.40	120.7	3
4	28.05	9.44	8.39	122.0	4
5	27.71	9.58	8.40	123.2	5
6	27.45	9.55	8.37	121.0	6
7	26.74	7.90	8.17	99.9	7
8	25.16	5.38	7.77	67.0	8
9	24.45	2.45	7.52	30.0	9
10	23.66	0.06	7.42	0.9	10
11	22.41	0.06	7.41	0.5	11
12	21.35	0.10	7.41	0.8	12
13	19.54	0.05	7.40	0.5	13
14	18.53	0.05	7.39	0.5	14
15	18.06	0.08	7.39	0.7	15
16	17.08	0.11	7.39	0.9	16
17	16.24	0.07	7.39	0.7	17
18	15.40	0.08	7.38	0.7	18
19	14.99	0.23	7.39	2.6	19
20	14.62	0.25	7.39	2.8	20
21	14.40	0.07	7.39	0.6	21
22	14.29	0.06	7.38	0.6	22
23	14.06	0.07	7.37	0.7	23
24	14.06	0.07	7.37	0.4	24
25	14.13	0.08	7.37	0.5	25
26	14.22	0.06	7.37	0.7	26
27	14.31	0.08	7.37	0.8	27
28	14.38	0.07	7.37	0.8	28
29	14.49	0.09	7.35	0.9	29
30	14.62	0.10	7.34	1.2	30



LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Deep 2
Date	14-Jul-03
Time	10:40
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	50
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3
Transperancy. Secchi Disc (Meters)	2.2m
Color, Borger System	14
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	
Wind	South

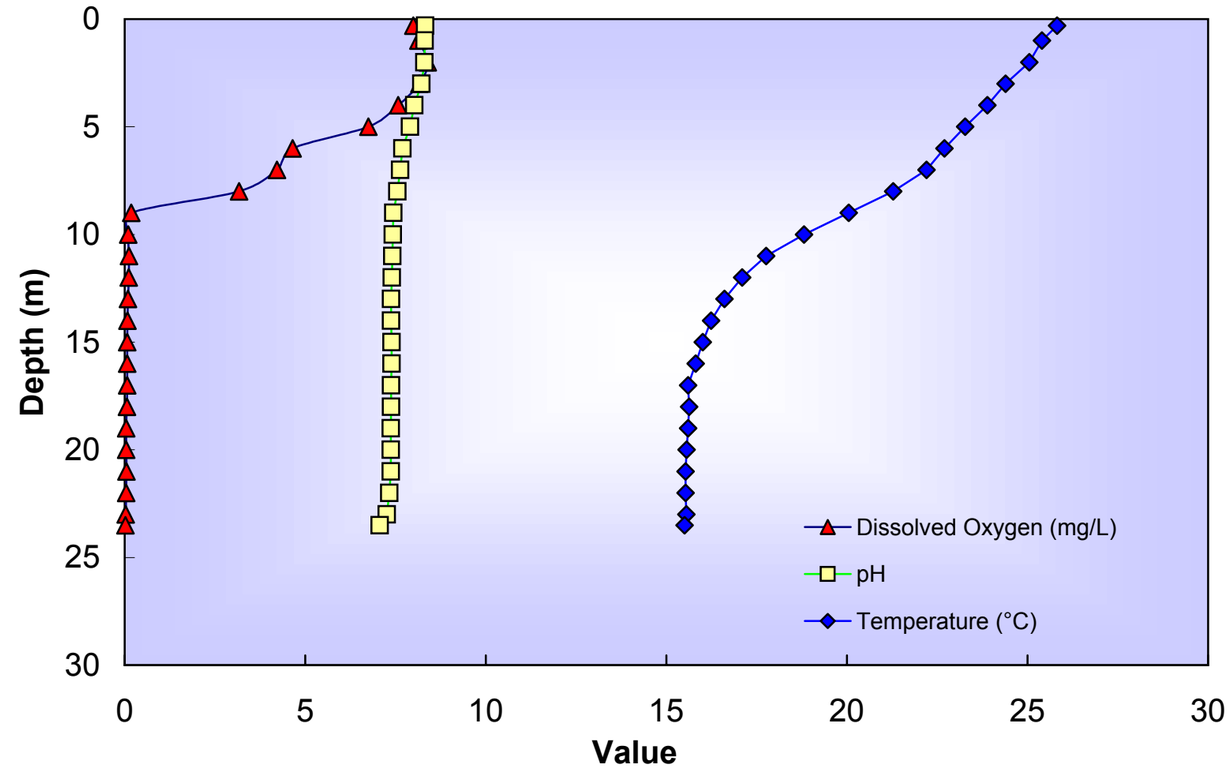
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	29.55	7.81	8.59	103.9	0.3
1	29.48	7.96	8.60	104.5	1
2	29.30	8.09	8.59	107.0	2
3	29.22	8.03	8.58	105.9	3
4	29.13	7.72	8.53	104.1	4
5	28.77	6.31	8.33	82.1	5
6	28.64	6.07	8.29	79.1	6
7	27.97	4.80	8.06	61.9	7
8	27.47	3.48	7.82	44.6	8
9	26.25	0.35	7.59	11.4	9
10	25.08	0.03	7.57	0.5	10
11	24.63	0.04	7.55	0.4	11
12	23.87	0.03	7.54	0.3	12
13	21.54	0.02	7.53	0.2	13
14	20.65	0.01	7.51	0.2	14
15	19.46	0.01	7.52	0	15
16	18.55	0	7.51	0	16
17	17.33	0	7.51	0	17
18	16.30	0	7.50	0	18
19	15.63	0	7.50	0	19
20	15.21	0	7.50	0	20
21	14.85	0	7.49	0	21
22	14.22	0	7.50	0	22
23	13.93	0	7.49	0	23
24	13.80	0	7.48	0	24
25	13.74	0	7.45	0	25
26	14.19	0	7.46	0	26
27	14.20	0	7.44	0	27
28	14.17	0	7.16	0	28
29	14.09	0	7.15	0	29
29.5	13.89	0.00	7.14	0	29.5



LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Deep 3
Date	16-Jul-03
Time	12:30
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	50
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	2
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	3
Transperancy. Secchi Disc (Meters)	1.75
Color, Borger System	30
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	80 degrees
Wind	SE

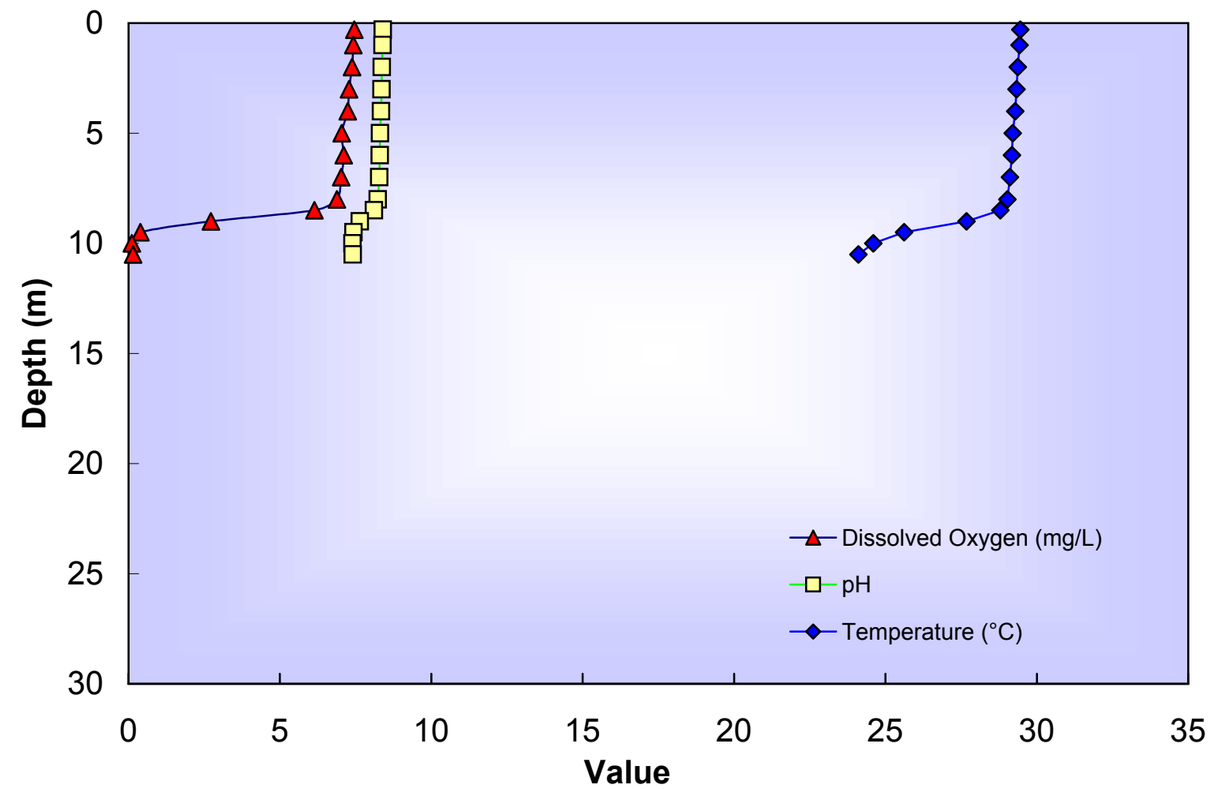
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	25.82	7.99	8.32	98.8	0.3
1	25.40	8.13	8.31	99.5	1
2	25.05	8.39	8.30	101.6	2
3	24.39	8.16	8.22	97.8	3
4	23.89	7.57	8.02	90.0	4
5	23.27	6.75	7.90	80.2	5
6	22.70	4.65	7.69	53.9	6
7	22.20	4.22	7.63	48.6	7
8	21.28	3.17	7.55	35.4	8
9	20.05	0.18	7.44	1.5	9
10	18.81	0.10	7.43	1.5	10
11	17.76	0.12	7.41	1.3	11
12	17.10	0.11	7.40	1.3	12
13	16.61	0.09	7.38	0.7	13
14	16.24	0.08	7.38	0.9	14
15	16.01	0.07	7.39	0.7	15
16	15.81	0.07	7.39	0.7	16
17	15.60	0.07	7.38	0.7	17
18	15.63	0.06	7.38	0.5	18
19	15.60	0.04	7.37	0.4	19
20	15.56	0.04	7.37	0.5	20
21	15.53	0.05	7.37	0.5	21
22	15.53	0.04	7.33	0.4	22
23	15.55	0.03	7.26	0.3	23
23.5	15.50	0.02	7.06	0.2	23.5



LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Shallow 1
Date	17-Jul-03
Time	9:45
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	50
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	2
Transperancy. Secchi Disc (Meters)	1.5
Color, Borger System	30
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	85 Degrees
Wind	SE

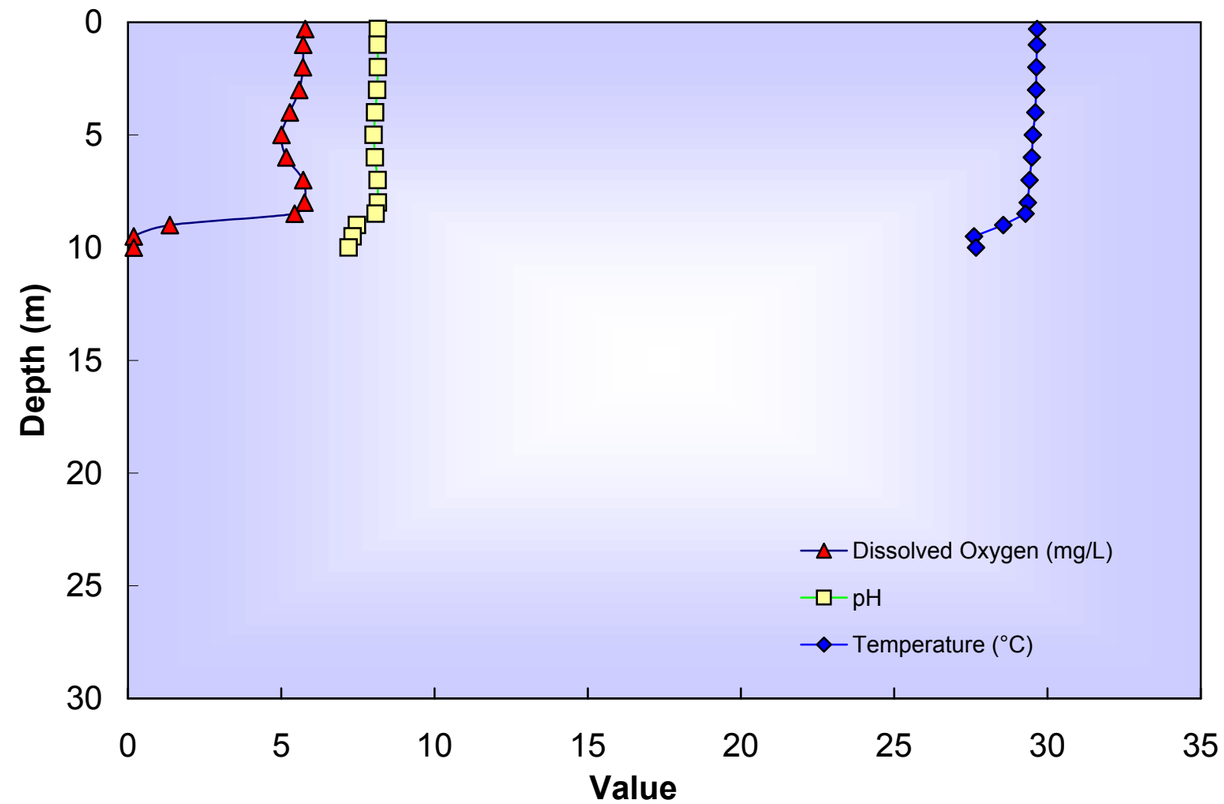
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	29.45	7.46	8.40	97.2	0.3
1	29.43	7.42	8.39	96.9	1
2	29.37	7.38	8.37	95.9	2
3	29.33	7.28	8.36	95.6	3
4	29.29	7.24	8.34	94.5	4
5	29.20	7.04	8.31	92.8	5
6	29.18	7.11	8.30	92.8	6
7	29.11	7.02	8.28	92.0	7
8	29.03	6.88	8.23	89.2	8
8.5	28.79	6.14	8.11	79.9	8.5
9	27.68	2.72	7.64	33.5	9
9.5	25.62	0.39	7.43	5.2	9.5
10	24.60	0.11	7.40	1.3	10
10.5	24.11	0.15	7.41	0.19	10.5



LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Shallow 2
Date	23-Jul-03
Time	9:30
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	51
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	1.42
Color, Borger System	30
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	82 Degrees
Wind	N

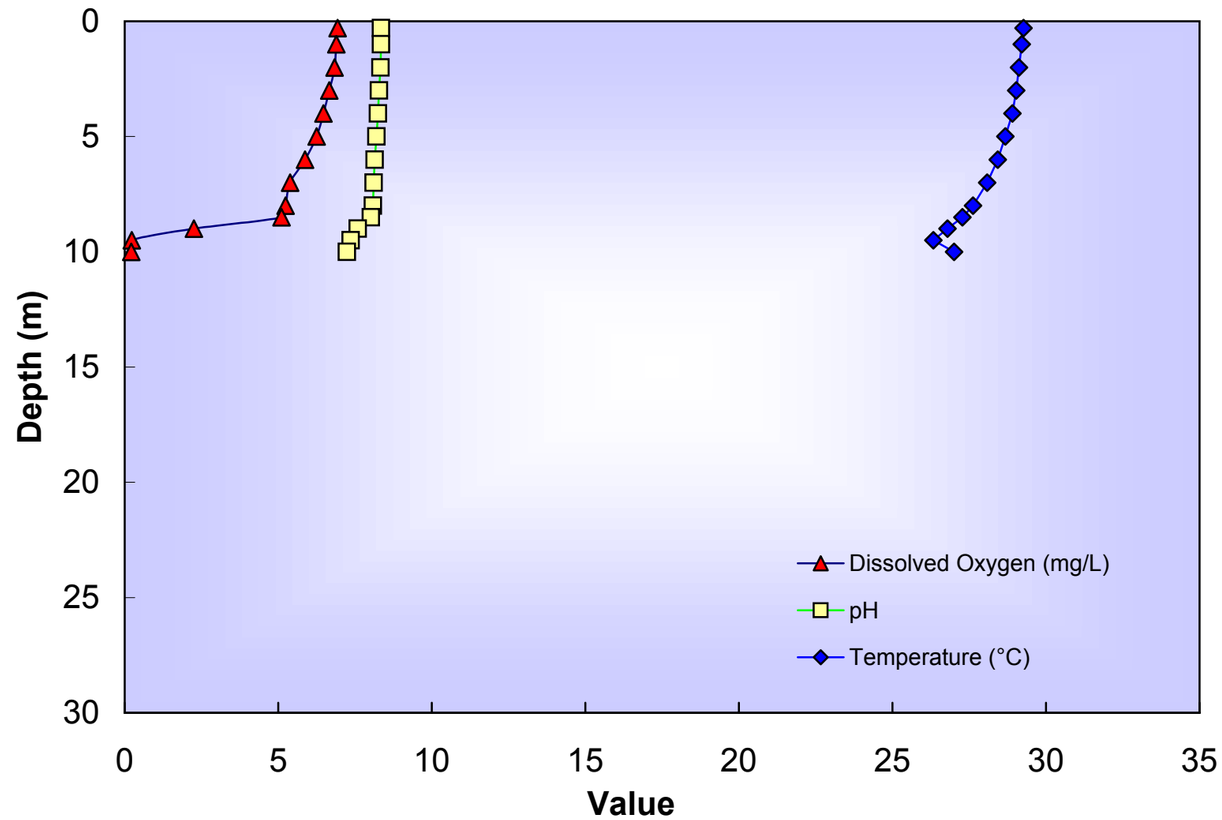
Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	29.66	5.78	8.16	77.7	0.3
1	29.65	5.72	8.15	76.5	1
2	29.64	5.71	8.16	76.3	2
3	29.63	5.59	8.13	75.3	3
4	29.60	5.28	8.07	71.4	4
5	29.52	5.01	8.02	66.2	5
6	29.49	5.17	8.06	68.9	6
7	29.41	5.72	8.15	76.1	7
8	29.36	5.76	8.16	76.8	8
8.5	29.28	5.44	8.08	71.8	8.5
9	28.56	1.37	7.47	15.7	9
9.5	27.60	0.19	7.33	2.4	9.5
10	27.67	0.19	7.20	2.4	10



LAKE BELTON ANOXIC STUDY
TEMPERATURE, DISSOLVED OXYGEN, AND PH PROFILES

Site ID	Shallow 3
Date	23-Jul-03
Time	11:00
Collectors:	Trent Herchman, Kartik Gandhi, Klay Patteson
Lake:	Lake Belton
Hydrolab SN#	51
Skies: 1= Clear, 2 = PT/ Cloudy, 3=Cloudy, 4=Rain	3
Wind: 1= Calm, 2 =Slight, 3=Mod, 4=Strong	1
Transperancy. Secchi Disc (Meters)	1.5
Color, Borger System	30
Aquatic Vegetation @ Collection Site Percent	0
Air Temperature (C)	83 degrees
Wind	N

Depth (m)	**Temperature (C)**	**DO (mg/L)**	**pH (s.u.)**	**DO% Sat**	**Depth (m)**
0.3	29.27	6.93	8.35	91.7	0.3
1	29.21	6.89	8.35	91.3	1
2	29.12	6.83	8.33	90.6	2
3	29.03	6.66	8.28	88.1	3
4	28.91	6.47	8.25	85.5	4
5	28.68	6.25	8.20	82.6	5
6	28.43	5.87	8.14	77.4	6
7	28.08	5.39	8.11	70.8	7
8	27.62	5.24	8.08	66.8	8
8.5	27.28	5.11	8.02	66.1	8.5
9	26.79	2.25	7.59	28.5	9
9.5	26.33	0.23	7.36	2.9	9.5
10	27.01	0.21	7.24	3.2	10



Appendix U

LAKE BELTON ANOXIC STUDY EXPERIMENTAL MATRIX

LAKE BELTON ANOXIC STUDY
EXPERIMENTAL MATRIX

AQUEOUS SAMPLE MATRIX

Matrix	Aqueous																
Location ID	Deep 1 (Bottom)					Deep 1 (Thermocline)				Deep 1 (Surface)				Shallow 1 (Bottom)			
Matrix Treatment†	-	Autoclaved	Acetate	Sediment	Minerals	-	Acetate	Sediment	Minerals	-	Acetate	Sediment	Minerals	-			
Spatial Variability	14 days (x3)*	14 days (x3)*	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-	14 days (x3)*	-	-	-
spike 50 µg/L ClO_4^-	10 days																
N_2 Sparge*	7 days																
	5 days																
	3 days																
	1 day																
Subtotal	8	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
Nutrients	-	-	14 days (x3)*	14 days (x3)*	14 days (x3)*	-	14 days (x3)	14 days (x3)	14 days (x3)	-	14 days (x3)	14 days (x3)	14 days (x3)	-	14 days (x3)*	14 days (x3)*	14 days (x3)*
spike 50 µg/L ClO_4^-			10 days	10 days	10 days												
N_2 Sparge*			7 days	7 days	7 days												
			5 days	5 days	5 days												
			3 days	3 days	3 days												
			1 day	1 day	1 day												
Subtotal	0	0	8	8	8	0	3	3	3	0	3	3	3	0	3	3	3
Oxygen	14 days (x3)	-	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-
spike 50 µg/L ClO_4^-																	
O_2 Sparge																	
spike 50 µg/L ClO_4^-	14 days (x3)	-	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-
O_2 Sparge																	
N_2 Sparge																	
Sulfide addition																	
Subtotal	6	0	0	0	0	6	0	0	0	6	0	0	0	6	0	0	0
Temperature	14 days (x3)*	-	-	-	-	14 days (x3)	-	-	-	14 days (x3)	-	-	-	14 days (x3)*	-	-	-
spike 50 µg/L ClO_4^-	10 days																
N_2 Sparge*	7 days																
	5 days																
	3 days																
	1 day																
Subtotal	7	0	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
SUBTOTAL	21	3	8	8	8	12	3	3	3	12	3	3	3	12	3	3	3

† "-" no treatment of aqueous sample
"Autoclaved" sample autoclaved to sterilize solution
"Acetate" sample spiked with 50 mg/L acetate
"Sediment" sample spiked with 50 mg/L acetate and 50 mg/L autoclaved/dried "Deep 1" sediment
"Minerals" sample spiked with 50 mg/L acetate and 1 ml/L of mineral solution (see Scope of Work)

TOTAL SAMPLES = 111

LAKE BELTON ANOXIC STUDY
EXPERIMENTAL MATRIX

SEDIMENT SAMPLE MATRIX

Matrix	Sediment						
Location ID	Deep 1		Deep 2	Deep 3	Shallow 1	Shallow 2	Shallow 3
Matrix Treatment	Autocalved	-	-	-	-	-	-
Spatial Variability	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)
90 mL - 50 µg/L ClO_4^-		10 days			10 days		
10 mL - sediment		7 days			7 days		
N_2 Sparge		5 days			5 days		
		3 days			3 days		
		1 day			1 day		
Subtotal	3	8	3	3	8	3	3
Nutrients	-	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)
90 mL - 50 µg/L ClO_4^-		10 days			10 days		
10 mL - sediment		7 days			7 days		
spike 50 mg/L acetate		5 days			5 days		
N_2 Sparge		3 days			3 days		
		1 day			1 day		
Subtotal	0	8	3	3	8	3	3
Oxygen	-	-	-	-	-	-	-
Subtotal	0	0	0	0	0	0	0
Temperature	-	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)	14 days (x3)
90 mL - 50 µg/L ClO_4^-		10 days			10 days		
10 mL - sediment		7 days			7 days		
N_2 Sparge		5 days			5 days		
4°C		3 days			3 days		
		1 day			1 day		
Subtotal	0	8	3	3	8	3	3
SUBTOTAL	3	24	9	9	24	9	9

TOTAL SAMPLES = 87

QA/QC SAMPLE SUBMISSION

Collected Aqueous Samples
- Deep 1 (Bottom)
- Deep 1 (Thermocline)
- Deep 1 (Surface)
- Shallow 1 (Bottom)

Experimental Solutions
- 50 µg/L ClO_4^- solution for sediment cultures
- Acetate spike solution for sediment cultures
- ClO_4^- spike solution for aqueous cultures

TOTAL SAMPLES = 7

LAKE BELTON ANOXIC STUDY
EXPERIMENTAL MATRIX

QA/QC SAMPLE SUBMISSION

Collected Aqueous Samples
- Deep 1 (Bottom)
- Deep 1 (Thermocline)
- Deep 1 (Surface)
- Shallow 1 (Bottom)

Experimental Solutions
- 50 µg/L ClO_4^- solution for sediment cultures
- Acetate spike solution for sediment cultures
- ClO_4^- spike solution for aqueous cultures

TOTAL SAMPLES = 7

Appendix V

METHOD 314 FOR DETERMINATION OF PERCHLORATE IN DRINKING WATER AND SOIL USING ION CHROMATOGRAPHY

United States Army Corps of Engineers
Engineer Research and Development Center
Environmental Laboratory

Environmental Chemistry Branch

Omaha Facility

TITLE: DETERMINATION OF PERCHLORATE IN DRINKING WATER AND SOIL USING ION CHROMATOGRAPHY

SOP NUMBER: M-314.0-ECBO-IA
VERSION: 1.0

PREPARED BY: _____
Date

REVIEWED BY: _____
Technical Specialist Date

_____
QA Officer Date

_____
Branch Chief Date

SOP MANUAL CONTROL NUMBER

Current SOP supercedes all previous versions.

Previous Versions of this SOP

SOP Number	Version	Date Issued
M-314.0-ECBO-IA	**Initial Draft**	**NA**

End of version history

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1. Scope and Application

1.1. This method is applicable to drinking waters, saline liquids, surface waters, domestic and industrial wastes waters, and solids.

2. Method Summary

2.1. The analysis for perchlorate ion (CASRN [14797-73-0]) employs the Dionex DX—120 system in anion exchange chromatography. A fixed volume of sample is introduced into the ion chromatograph. Perchlorate is separated and measured, using a system comprised of an ion chromatograph pump, sample injection valve, guard column, analytical column, suppressor device, and conductivity detector. The amount of perchlorate in a sample is nominally determined with a typical detection limit of 1 µg/L for water samples and 5 µg/kg for soil samples.

3. Health and Safety

3.1 The toxicity or carcinogenicity of each compound or reagent used in this procedure has not been precisely determined. Therefore, all chemicals should be treated as if they pose a health hazard. MSDS sheets are available. The MSDSs are located in room 421.

3.2 This method describes a procedure for analyzing samples that may contain organics that may pose a risk through inhalation or skin absorption. Therefore, exposure to these samples should be reduced to the lowest possible level.

3.3 The acids used in this method should be handled with care. An acid spill kit should be on hand in the laboratory, and laboratory personnel should be familiar with its location and use. Acid spill clean-up kits are located near the hood in the laboratory.

3.4 The following chemicals have the potential to be highly toxic or hazardous. The MSDS for each chemical should be consulted.

3.4.1 Sodium hydroxide

3.4.2 Sulfuric acid

3.4.3 Potassium perchlorate

3.4.4 *p*-Cyanophenol

4. Sample Preservation, Containers, Handling, and Storage

4.1. Glass or plastic containers are suitable for collection and storage.

4.2. Sample must be stored at 4˚C.

4.3. Holding times;

4.3.1. Holding time is 28 days for liquid samples.

4.3.2. Holding time for soils will default to that of liquid samples, 28 days.

5. Interferences and Potential Problems

5.1. High levels of anions such as chloride, sulfate, nitrate, nitrite, ortho-phosphate, fluoride or bromide, etc. may cause chromatograph interference through co-elution or obscurity of the perchlorate peak.

5.2. Other sources of interference are contaminated water, reagents, glassware and other processing apparatus. These interferences can lead to false positive results for the target analyte as well as reduced detection limits as a consequence of elevated baseline noise. Sample dilution may resolve some of the difficulties if the interference is the result of either concentration dependant co-elution or ionic character displacement, it must be noted that any sample dilution will alter the minimum Sample Reporting Limit (SRL) by a proportion equivalent to that of the dilution. Therefore, careful consideration of project objectives should be given prior to performing such a dilution.

5.3. All reagents used by the instrument must be filtered through a 0.20 µm membrane or frit to remove particulates and prevent damage to the instrument, columns and flow systems. Sample filtration must also be employed on every sample prior to analysis. This applies not only to field samples but also to the laboratory method blanks (MB) and the laboratory contol sample (LCS, which is a fortified blank sample). The MB and LCS samples function as controls and must be filtered to confirm no bias is attributed to the filtration.

6. Equipment/Apparatus

6.1. Analytical balance, weighing accurately to 0.0001g

6.2. Glassware, Class A volumetric flasks and pipettes

6.3. Dionex DX-120 Ion Chromatography System with Autosampler

6.4. Detector: Dionex CD20

6.5. Ion Suppressor: Dionex AMMS-III 4mm

6.6. Columns

6.6.1. Dionex IonPac AG16 Guard Column (4x50mm)

6.6.2. Dionex IonPac AS16 Analytical Column (4x250mm)

6.7. Sample Loop: 1.0mL

6.8. Backpressure Loop: 800µL

6.9. Eluent/Flow rates

6.9.1. Eluent: 50mM NaOH J.T. Baker CAT. 3727-01 (50% w/w)

6.9.2. Eluent Flow Rate: 1.25 to 1.50 mL/min.

6.9.3. Regenerant Flow Rate: 8 to 15 ml/min.

6.9.4. Retention Time Perchlorate: 9 to 11 min.

6.10. Multi-position (12) wrist sample shaker.

7. Reagents

7.1. Prepare all reagents with Type I reagent water in Class A volumetric glassware. Record solution standard preparation in the Standards Log Book. Enter the date, time, and analyst's initials. Also note the stock standard manufacturer, lot number, and date received. The analyst should be familiar with safe laboratory practices and with each MSDS for the following chemicals:

7.2. Reagents

7.2.1. Eluent, 50mM NaOH: Degas one liter Type I reagent water. Into a one liter volumetric flask add 3.55ml of 50% NaOH bring up to a final volume with the Type I reagent water and mix. Remake eluent every 3 days or less.

7.3. Standards: Stock Standards should be prepared as specified.

7.3.1. Stock Perchlorate Solution 1000ppm: (Spex Certiprep, CAT # AS-CLO49-2Y). Prepare every 12 months.

7.3.2. Intermediate Perchlorate Standard, 1000ppb: Dilute 1mL of the Stock Standard to 1L with Type I reagent water. Prepare weekly.

7.3.3. Working Standards: Dilute Intermediate Standards with Type I reagent water according to the following table. The DX-120 system is calibrated once per week or as needed. Prepare daily.

Perchlorate Standard	Volume Intermediate Standard	Volumetric Flask	Concentration of Standard
blank*	0.0 mL	100 mL	0 ppb*
Cal STD 1	0.25 mL	100 mL	2.5 ppb
Cal STD 2	0.50 mL	100 mL	5.0 ppb
Cal STD 3	1.00 mL	100 mL	10 ppb
Cal STD 4	2.00 mL	100 mL	20 ppb
Cal STD 5	5.00 mL	100 mL	50 ppb
Cal STD 6	10.0 mL	100 mL	100 ppb
Cal STD 7	12.5 mL	50 mL	250 ppb
Cal STD 8	10.0 mL	25 mL	400 ppb
*The blank is not included in the calibration as a standard Note: Not all standards are used for every calibration, see section 8.2 for details on which standards to use for analysis.			

7.4. Stock ICV Perchlorate Solution, 1000 ppm (Environmental Express, CAT# HP1862-A-100). Prepare every 12 months.

7.5. Intermediate ICV Standard; 1000 ppb. Dilute 1 mL of the stock ICV solution to 1000 mL with Type I reagent water. Prepare monthly.

7.6. Working ICV Standard, 50 ppb: Dilute 5.0 mL of the intermediate ICV standard to 100mL with Type I reagent water. Prepare weekly.

7.7. Matrix Spike: 50 ppb. Add 5 mL of perchlorate intermediate stock (1000ppb) with sufficient sample to bring to a total final volumen of 100 mL.

7.8. The calibration standard number five (Cal std 5) is used as the LCS and CCV.

7.9. Mixed Common Anion Stock Solution; containing the anions chloride, sulfate and carbonate each at 25 mg/mL anion concentration. This solution is used to prepare simulated common anion samples in the determination of the MCT (Section 8.4.1). Dissolve the following salts in reagent water to a final volume of 25.0 mL

7.9.1. 1.0 g sodium chloride (NaCl, CASRN [7647-14-5])

7.9.2. 0.93 g sodium sulfate (Na_2SO_4, CASRN [7757-82-6])

7.9.3. 1.1 g sodium carbonate (Na_2CO_3, CASRN [479-19-8])

8. Procedure

8.1. Sample Preparation:

8.1.1. The sample should be brought to room temperature prior to conducting sample analysis.

8.1.2. Soil sample preparation

8.1.2.1. Soil samples are prepared for analysis by placing approximately 5 grams (record mass to nearest 0.001g; record as *mass_of_sample* in equation section 10.2) of sample in 50-ml preparation tube.

8.1.2.2. Add 20 ml (record volume to nearest 0.1ml; record as *prep_volume* in equation section 10.2) of reagent grade water to the soil sample.

8.1.2.3. Place samples with water in wrist shaker and mix for 15 minutes.

8.1.2.4. Allow sample to settle (centrifugation make be necessary) and use clear solution for analysis following the water sample procedures.

8.1.3. A Method Blank, Matrix Duplicate, Matrix Spike and Matrix Spike Duplicate and Laboratory Control Sample must be analyzed with each batch at a minimum frequency of once every 20 samples.

8.2. Instrument Calibration

8.2.1. Calibrate the instrument at a minimum frequency of once a week following the instrument manufacturer's instructions as listed in Appendix I.

8.2.2. The standards to be used for calibration depend on the nature of the analysis. A valid calibration must consist of a minimum of five calibration standards. The type of calibration required for the samples to be analyzed must be known in advance and the type of calibration selected before measuring any standards.

8.2.2.1. For low level work only use standards 1 through 6 (Cal STD 1, Cal STD 2, Cal STD 3, Cal STD 4, Cal STD 5 and Cal STD 6).

8.2.2.2. For high level work only use standards 3 through 8 (Cal STD 3, Cal STD 4, Cal STD 5, Cal STD 6, Cal STD 7 and Cal STD 8).

8.2.2.3. For broad range work use standards 1, 3, and 5-8 (Cal STD 1, Cal STD 3, Cal STD 5, Cal STD 6, Cal STD 7 and Cal STD 8).

8.2.3. A second source standard (Initial Calibration Verification (ICV) Standard (see Section 7.6)) must be analyzed following the calibration. Acceptance criteria is listed in Section 11. The ICV standard is to be at a concentration near the mid-point of the calibration range. If acceptance criteria are met, the calibration can be used for sample analysis.

8.3. Calibration verification

8.3.1. An initial Continuing Calibration Verification (CCV) Standard (see Section 7.6)) must

be analyzed at the beginning of an analysis sequence. Acceptance criteria is listed in Section 11. The CCV standard is to be at a concentration near the mid-point of the calibration range. If acceptance criteria are met, the sample analysis may proceed.

8.3.2. Continuing calibration Verification (CCV) samples are used to check the validity of the calibration after every 10 samples. The CCV is made according to section 7.3.3 and 7.8. If CCV is within acceptance criteria analysis may continue, see section 11.3.1.

8.3.3. A closing Continuing calibration Verification (CCV) sample is to follow the last reportable sample. If the closing CCV is not within acceptance criteria analysis see section 11.3.1 for corrective action.

8.4. Sample Analysis

8.4.1. All samples are to be screened prior to analysis using a specific conductance meter refer to SOP No. M-9050-ECBO-GC.

8.4.1.1. The highest permitted conductance of an unknown sample matrix, measured prior to conducting analysis, which is used to determine when sample matrix dilution ar pretreatment is required is refered to as the Matrix Conductivity Threshold (MCT). The conductance of a sample matrix is proportional to the common anions present is the matrix (which contribute to the level of total dissolved solids (TDS)) which can greatly affect the integrity of this analysis. The value for this threshold is dependant on the conditions, hardware, and state of the hardware employed. Consequently, this threshold is not method defined and must be determined by the individual analytical laboratory during the initial demonstration of capability and confirmed in each analysis batch using the instrument performance check solution (IPC). Matrix conductivity is measured in microsiemens/cm (uS/cm) or mircoMhos/cm (uMhos/cm) which are considered equivalent terms.

8.4.1.2. For samples that exceed the MCT matrix dilution may result in a conductance less than MCT. A sample can be analyzed once diluted with reagent water to a conductance below the MCT. The exact magnitude of this dilution will adversely increase the SRL by an equivalent proportion (Section 5.2).

8.4.1.2.1. Knowing the matrix conductance exceeds the MCT, estimate the proportion required for the dilution by dividing the measured matrix conductance by the MCT. Round up to the next whole number and dilute the sample by a proportion equivalent to this value. For example, if the established MCT is 6100 uS/cm and a sample reflecting a conductance of 8000 uS/cm was measured, dilute the sample with reagent water by a factor of 2.

8.4.1.2.2. Measure the conductance of the diluted sample to confirm it is now below the MCT. Analyze the sample as specified in Section 8.4.2 with the understanding that the SRL (section 5.2) has now been elevated by a proportion equivalent to the dilution.

8.4.1.2.3. If perchlorate is measured above the elevated SRL, back calculate actual field sample concentration and report. If no perchlorate is measured above the elevated MRL and analysis or project objectives required monitoring below the concentration of the elevated SRL, pretreatment of the matrix maybe required, contact Team Leader and QA office.

8.4.2. Samples are analyzed using a Dionex DX-120 system. All samples are to be analyzed and if their response is determined to be greater than the high standard response the sample will need to be diluted and reanalyzed. Repeat the dilution if necessary to bring the measured response is within the calibration limits.

9. Operation Condition

9.1. Preparation of Perchlorate Eluent: Add 3.55 mL of (50% w/w) sodium hydroxide solution (J.T. Baker CAT #3727-01) in 1 L volumetric flask. Fill the reservoir being careful to prevent mixing air into the eluent solution. Connect to the sparger line of the regulator to the helium in-line of the reservoir; connect the eluent out-line of the reservoir to the eluent out-line.

9.1.1. Turn the system power on and set the control button on the system panel to local. Turn on the system helium and confirm that the pressure is between 90-110 psi.

9.1.2. Make sure that sufficient volume of eluent in the reservoir is available to sustain extended operation.

9.1.3. Ensure that the pump flow rate adjustment is correct and turn on the pump. (Eluent flow rate 1.25 mL/min.) Set the detection range to the appropriate operating range (Typically 1 µs) Sample loop volume (already installed)

9.2. Priming: After turning the system on, open the waste knob on the transducer (big black knob that is designed to be turned by fingers) by turning it counter clockwise. This opens the waste line. Let it be open for about 30 seconds. This drives eluent from the reservoir to the pump at a rate of about 10 mL/min to help force air bubbles out of the pump. Now close the waste knob on the transducer (clockwise).

9.3. Establishing Equilibrium and Monitoring Baseline: Go to the computer terminal and from the PEAKNET main menu, select RUN. Load the Perchlorate method from the FILE/LOAD Method Menu. Select OK. Because the eluent is pumping through the system, the regenerant must be cycling also. You should notice that the conductivity begins to fall on CD20 display. Let the system run until baseline drift is less than 5 mSiemans/min. monitor the stability of the baseline.

9.4. Writing and Loading a Schedule

9.4.1. From the PEAKNET Main Menu, select Schedule

9.4.2. Open the calibration schedule from the file menu.

9.4.3. Enter the required data and complete it

9.4.4. Save As –using the naming convention of "mmddyy-ss". Where mm= month, dd=day, yy=year and ss=sequence number of the day. Each sequence is to be saved in its own file directory under the root data level directory and should be named using the "mmddyy-ss" convention.

9.4.5. Loading Samples for Analysis: Shake all water samples to a homogeneous consistency. Decant the water sample into 5mL vial; fill the vial to the full line. Place a filter cap on to the vial. Use the black insertion tool to properly seat the cap into the vial. Place vials sequentially into load-up trays according to their order in the schedule. Place the tray in front of the compressed pressure plate. Press the RUN/HOLD button to advance the tray into position for sampling the first sample. After the run button is activated, the computer will control the progression of the autosampler henceforth.

10. Calculation

10.1. Calculate the percent recovery for MS/MSD and LCS

10.2. Calculate the soil sample results using the following equation

$$reported_result, ug/Kg = \frac{(instrument_result, ug/L) \times (prep_volume, L)}{(mass_of_Sample, Kg) \times (\%solids/100\%)}$$

11. Quality Control/Quality Assurance

11.1. The analyst must demonstrate proficiency in performing the analysis as outlined in SOP No. Q-016-ECBO-QC, Technical Training. Method proficiency must be redemonstrated anytime a major method modification is made, a major software revision is added, or a major instrument modification is made. Demonstration of method proficiency may also be required after major instrument maintenance. This is decided on a case by case basis through discussions with the Team Leader, Laboratory Director, and Laboratory QA Office

11.2. QC Criteria

11.2.1. The correlation coefficient for the standard curve must be at least 0.995.

11.2.2. A matrix duplicate will be analyzed for every 20 samples with a default acceptance limit RPD ≤ 20 until control charting can be used to establish limits.

11.2.3. A matrix spike and matrix spike duplicate will be analyzed for every 20 samples. The default acceptable recovery for matrix spike will be ±20% (80%-120%) of the true value with a RPD ≤ 20 until control charting can be used to establish limits.

11.2.4. A laboratory control sample will be analyzed for every 20 samples The default acceptable recovery for the LCS will be ±20% (80%-120%) of the true value until control charting can be used to establish limits.

11.2.5. An Initial Calibration Verification (ICV) sample is to be analyzed each time a new calibration is established. The acceptance limits for the ICV are ±10% (90%-110%) of the true value.

11.2.6. Continuing Calibration Verification (CCV) samples are to be analyzed after every 10 samples and at the end of the analytical sequence. The acceptance limits for the CCV is ±15% (85%-115%) of the true value.

11.3. QC Failure: The following summarizes the steps to be taken when QC failure is experienced. The suggestions are listed in the order in which they should be performed. If the first suggestion does not work, then try the second or third etc. If you cannot solve the problem in a reasonable amount of time, inform your supervisor.

11.3.1. ICV failure

11.3.1.1. If an initial calibration was performed, verify that an initial calibration verification (ICV) was also performed. The ICV must be measured to within ±10% (90%-110%) of the true value. If not, reanalyze the ICV or prepare a new calibration curve as necessary.

11.3.2. CCV failure

11.3.2.1. Analysis run is to be halted and corrective action taken including but not limited to reanalyzing the CCV or prepare a new calibration curve as necessary – samples are not to be analyzed unless the CCV meets acceptance requirements. Any samples analyzed after the last acceptable CCV and prior to the failing CCV are to be reanalyzed.

11.3.3. LCS Fails

11.3.3.1. Reanalyze the LCS

11.3.3.2. Re-prepare and reanalyze the LCS and associated samples.

11.3.4. Spike Fails

11.3.4.1. Reanalyze the spike.

11.3.4.2. Prepare a new spike and reanalyze

11.3.4.3. If the LCS is in control and the matrix spike has failed, then attribute failure to matrix interferences.

12. Waste Disposal

12.1. This procedure generates basic waste water. All waste disposal procedures must comply with federal and local regulations. Refer to the Laboratory Waste Management Plan.

13. Reference

13.1. Determination of perchlorate in drinking water using ion chromatography, US EPA, Method 314.0, November 1999.

13.2. Test Methods for Evaluating Solid Wastes, U.S.EPA, SW-846, proposed update IVb, Method 9058, November 2000.

13.3. SOP No. Q-008-ECBO-GL, Reagent Water Quality Monitoring.

13.4. SOP No. Q-009-ECBO-QC, Control Chart Generation, Maintenance, and Usage.

End of SOP **M-314.0-ECBO-IA**

Appendix W

DATA VERIFICATION REPORT FOR PERCHLORATE SAMPLES COLLECTED FOR THE BOSQUE AND LEON RIVER WATERSHEDS STUDY AND ANALYZED BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) ENVIRONMENTAL LABORATORY

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ACRONYMS

CVS	calibration verification standard
DQI	data quality indicator
DQOs	data quality objectives
ICAL	initial calibration
IDW	investigative derived waste
LC/MS/MS	liquid chromatograph/mass spectrometry/mass spectrometry
LCS	laboratory control sample
LD	laboratory duplicate
MDL	method detection limit
MS/MSD	matrix spike/matrix spike duplicate
PCL	Protective Concentration Level
QAPP	quality assurance project plan
QC	quality control
%R	percent recovery
RL	reporting limit
RPD	relative percent difference
SOPs	standard operating procedures
U.S. EPA	United States Environmental Protection Agency
USACE	United States Army Corps of Engineers
µg/l	microgram per liter

1.0 INTRODUCTION

1.0.0.1. This report presents the results of the verification of surface water, sediment pour water, and soil/groundwater investigative derived waste (IDW) data collected between October 2002 and October 2003 for the Bosque and Leon River Watersheds Study. The USACE Engineer Research and Development Center Environmental Laboratory at the Environmental Chemistry Branch in Omaha, Nebraska performed all sample analyses. The surface water, sediment pour water, and soil/groundwater IDW samples were analyzed for perchlorate by U.S. Environmental Protection Agency (U.S. EPA) method 314.0. Verification analysis of groundwater IDW samples by U.S. EPA method SW-846 8321A was performed by Severn Trent Laboratories, Inc. of Denver, Colorado.

1.0.0.2. The analytical results were evaluated against the project-specific data quality objectives (DQOs), which are quantitative and qualitative statements that specify data quality and are expressed in terms of the data quality indicators (DQI) of precision, bias and accuracy, representativeness, comparability, and completeness. This data evaluation is presented in terms of the DQI criteria and is based on the quality control limits established by the *Final Quality Assurance Project Plan (QAPP) for the Bosque and Leon River Watersheds Study, August 2002 (*MWH, 2002), hereafter referred to as the QAPP. The analytical data were verified and qualified based on the results of the following data evaluation parameters or quality control (QC) samples:

- Laboratory compliance with laboratory standard operating procedures (SOPs) and the QAPP;
- Sample preservation and holding time criteria;
- Method and equipment rinseate blank sample results;
- Reporting limits (RL);
- Field duplicate sample results;
- Initial calibration (ICAL) and calibration verification standard (CVS) results;
- Matrix spike/matrix spike duplicate (MS/MSD) sample results;
- Laboratory control sample (LCS) results; and
- Laboratory duplicate (LD) sample results.

1.0.0.3. The following discussions focus primarily on how the data were verified, data that have significant associated QC problems (i.e., rejected data), and analytical method or QAPP deviations. Data qualified due to the data verification are presented in **Table 1**. Quality control parameters outside acceptance criteria that did not result in data qualification are presented in **Table 2**.

2.0 DATA VERIFICATION RESULTS

2.1 COMPLETENESS EVALUATION

2.1.0.1. Sampling Completeness. All samples were collected as scheduled, except when a sample collection location was dry or when the automatic sample collection equipment malfunctioned. Also, samples scheduled to be collected on October 16, 2003, could not be collected because the automatic sample collection equipment was destroyed by flooding shortly after October 1, 2003. With the exclusion of these three exceptions, sampling completeness for this project was 100 percent. The samples that could not be collected and individual comments explaining why the samples could not be collected are listed in the data summary tables included in the main body of the report.

2.1.0.2. Analytical Completeness. Analytical completeness was evaluated using the following equation:

$$\text{Completeness} = \frac{\text{Number of valid data points}}{\text{Total number of measurements}} \times 100$$

Where: The number of valid data points is the total number of valid analytical measurements based on the precision, bias, and holding time evaluation.

2.1.0.3. All scheduled samples were analyzed according to the QAPP. Based on the results of the data verification described in the following paragraphs, all data were considered valid as qualified, resulting in 100 percent analytical completeness for this project. The analytical results are presented in the data summary tables included in the main body of the report.

2.2 REPRESENTATIVENESS EVALUATION

2.2.0.1. Representativeness is a qualitative expression of the degree to which sample data accurately and precisely represent a characteristic of a population, a sampling point, or an environmental condition. Representativeness is maximized by ensuring that, for a given project, the number and location of sampling points, and the sample collection and analysis techniques are appropriate for the specific investigation; and, that the sampling and analysis program provides information that reflects "true" site conditions. Laboratory data were evaluated for representativeness by assessing the following:

- Laboratory compliance with laboratory standard operating procedures (SOPs) and the QAPP;

- Sample preservation and holding time criteria;
- Method and equipment rinseate blank sample results;
- RLs; and
- Field duplicate sample results.

2.2.1 SOP and QAPP Compliance Evaluation

2.2.1.1. Based on the data verification assessment, all samples were analyzed following the quality control criteria specified in the QAPP and were in accordance with the analytical methods and laboratory SOPs.

2.2.2 Sample Preservation and Holding Time Evaluation

2.2.2.1. Temperature blanks were included with each sample cooler for measurement upon receipt at the laboratory to assess whether the samples met the temperature requirement. The temperature criterion was met for all but 55 samples that were collected on the following dates: 02/27/03, 03/27/03, and 06/12/03. Because sample temperature does not affect data quality, no data were qualified. Samples associated with temperature blanks outside temperature requirements are listed in **Table 2** with "TEMP" as the QC type.

2.2.2.2. Holding time reflects the length of time after sample collection that a sample or extract remains representative of environmental conditions. The length of time between sample collection and sample analysis was evaluated. Sample holding times were compared to standard method specific holding times accepted by the U.S. EPA. Data for samples that were extracted and analyzed within holding time criteria were considered representative. For samples that were extracted or analyzed outside of holding time criteria, the sample data were qualitatively evaluated to determine the potential effect of the holding time exceedence on sample representativeness. The sample holding times for this project are listed in **Table 3**. Sample data that were qualified due to holding time exceedence are listed in **Table 1** with "HT" as the QC type.

2.2.3 Sample Blanks Evaluation

2.2.3.1. Equipment blanks and method blanks were used to assess representativeness for this project. Sample blanks were evaluated using the following procedures. If perchlorate was detected in a blank and in an associated sample, and the concentration of perchlorate in the sample was less than five times the concentration detected in the blank, perchlorate detected in the sample was qualified with a "UB" flag to indicate perchlorate is considered not detected. If the concentration of perchlorate in a sample was greater than five times the concentration detected in an associated blank, the sample datum was qualified with a "B" flag to indicate that a measurable concentration of perchlorate was detected in an associated blank.

2.2.3.2. Method Blank Samples. A method blank contains all the reagents used in the processing of samples and is carried through the complete analytical procedure used for the samples. The results of the method blank analyses are presented in **Table 4a** and **Table 4b**. No perchlorate was detected in the method blank samples.

2.2.3.3. Equipment Rinseate Blank Samples. Equipment rinseate blank samples were collected only for the Lake Belton Delta Area Study, Lake Waco Delta Area Study, and the Lake Belton Fate and Transport Study, by rinsing the sampling equipment with de-ionized water and collecting the rinseate in an appropriate sample container. The equipment rinseate blank samples were analyzed to assess the presence of possible carryover of perchlorate between environmental sample locations. The equipment rinseate blank sample results are presented in **Table 5**. No perchlorate was detected in the equipment rinseate blank samples.

2.2.4 Reporting Limit Evaluation

2.2.4.1. For this project, all sample data were reported to the RL established in the QAPP, with the following exceptions:

- All non-detect sample results were reported as less than the method detection limit (MDL).
- If perchlorate was detected between the MDL and RL, the result was qualified with a "J" flag to indicate the datum is estimated and reflects a value between the MDL and RL.

2.2.5 Field Duplicate Sample Evaluation

2.2.5.1. Field duplicate samples were collected and analyzed to evaluate sampling and analytical precision. Because precision is affected by several variables including sample heterogeneity, sample collection procedures, sample preparation and sample analysis, the results of field duplicates were used as additional evidence to support data quality rather than as a basis for accepting or rejecting the data.

2.2.5.2. The relative percent difference (RPD) was calculated only for those analytes that were detected above the MDL in both the environmental and field duplicate samples. The field duplicate data are presented in **Table 6**. Parent and field duplicate samples with an RPD greater than 20% or where perchlorate was detected in a field duplicate but not the parent sample, or vice versa, are listed in **Table 2** with "RPD" as the QC type.

2.2.6 Media Interference

2.2.6.1. Perchlorate concentrations could not be determined in the IDW samples because Liqui-Nox®, a commercially available detergent, was used to decontaminate the sampling equipment. Originally, very high concentrations of perchlorate were reported to be present in the IDW samples but not in the associated samples from which the IDW

samples were generated. Therefore, a sample of pure Liqui-Nox® was analyzed to determine if the sample peaks, originally attributed to perchlorate, were actually due to media interference caused by the Liqui-Nox®. The USACE laboratory determined that Liqui-Nox® elution overlaps the retention-time window of perchlorate causing media interference. Because perchlorate was not detected in the samples from which the IDW samples were generated, and the Liqui-Nox®-caused media interference, the USACE laboratory reported the perchlorate concentrations for the IDW samples as less than the MDL with a comment that perchlorate concentrations could not be accurately determined due to media interference.

2.2.6.1. To verify that the sample peaks, originally attributed to perchlorate, were actually due to media interference caused by the Liqui-Nox®, the groundwater IDW samples and a sample of pure Liqui-Nox® were submitted to Severn Trent Laboratories in Denver, Colorado, for analysis by liquid chromatograph/mass spectrometry/mass spectrometry (LC/MS/MS) method SW-846 8321A. This method was chosen to manage the interferences associated with Liqui-Nox® analysis. The LC/MS/MS analysis confirmed that the sample peaks, originally attributed to perchlorate, were in fact due to media interference caused by the Liqui-Nox®, and that the groundwater IDW samples contained no perchlorate above the MDL.

2.3 BIAS EVALUATION

2.3.0.1. Definition. Bias is a measure of the level of agreement between a measurement and a known true value. Bias is evaluated by percent recovery (%R), which is calculated using the following equation:

$$\%R = \frac{A - B}{C} \times 100$$

Where: A = The measured concentration of perchlorate in a spiked sample.

B = The measured concentration of perchlorate in an unspiked sample.

C = The concentration of perchlorate used for spiking.

2.3.0.2. Laboratory bias was evaluated using the results of ICAL and CVS results, MS/MSD sample results, and LCS sample results.

2.3.1 Initial and Continuing Calibration Evaluation

2.3.1.1. The ICAL and CVS were analyzed prior to and during sample analysis as specified by the analytical method. The ICAL is used to demonstrate linearity of instrument calibration and the CVS is used to assess whether the ICAL remains valid. The ICAL and CVS results were evaluated against the method specific QC criteria. If either the ICAL or CVS QC criteria were not met the data for all samples associated with the ICAL or CVS were qualified as follows:

- **ICAL Coefficient of Determination (r^2) Outside Acceptance Criteria.** If r^2 was outside the method respective acceptance criteria of > 0.990, the sample data were qualified as follows. If perchlorate was not detected in the associated samples, the sample results were qualified with a "UJ" flag to indicate the data are estimated. If the corresponding analytes were detected in the associated samples, the sample results were qualified with a "J" flag to indicate the data are estimated.
- **CVS Percent Recoveries Outside Acceptance Criteria.** The percent recoveries of the spiked compounds were compared to the QAPP established QC limits. The same criteria used to evaluate the MS/MSD samples described below were used to evaluate the CVS, except that all data associated with the CVS were qualified.

2.3.1.2. All ICAL results were in control for all analyses. Several CVS results were outside the acceptance criterion. Sample data that were qualified due to CVS data outside acceptance criteria are listed in **Table 1** with "CVS" as the QC type. Calibration verification standard data outside acceptance criteria that did not result in qualified data

are presented in **Table 2** with "CVS" as the QC type.

2.3.2 Matrix Spike/Matrix Spike Duplicate Samples Evaluation

2.3.2.1. Site specific MS/MSD samples were analyzed to assess bias and to identify possible adverse matrix effects. These samples were spiked with perchlorate according to the QAPP before analysis. The percent recoveries of perchlorate were compared to the QAPP established QC limits. Matrix spike/matrix spike duplicate results are presented in **Table 7a** and **Table 7b**. The following criteria were used to evaluate the MS/MSD samples:

- **MS/MSD Recovery Below Acceptance Criteria.** Perchlorate recoveries below the acceptance criteria indicate a potential low bias during sample analysis. Therefore, if perchlorate was not detected in the parent sample, the sample datum was qualified with a "UJ" flag to indicate a possible false negative. If perchlorate was detected in the parent sample, the sample datum was qualified with a "J" flag to indicate the datum is estimated and potentially biased low.
- **MS/MSD Recovery Above Acceptance Criteria.** Perchlorate recoveries above the acceptance criteria indicate a potential high bias during sample analysis. Therefore, if perchlorate was not detected in the parent sample, the sample datum was not qualified because high recoveries indicate a high bias and do not affect non-detected analytes. If perchlorate was detected in the parent sample, the sample datum was qualified with a "J" flag indicating the datum is estimated and potentially biased high.
- **High Analyte Concentration in Parent Sample.** If the concentration in the parent sample was more than four times the spiked perchlorate concentration, the overall change in the MS/MSD concentration is not significant enough for the instrument to detect the spiked compound. Therefore, if the MS/MSD recoveries were outside the acceptance criteria, and the perchlorate concentration in the parent sample was more than four times the spiked perchlorate concentration, no data were qualified.
- **High and Low MS/MSD Exceedences.** Bias cannot be determined if a spike recovery is above the acceptance criterion in the MS and below the acceptance criterion in the MSD or vice versa. Therefore, the following procedures were used to verify parent sample data. The parent sample datum was not qualified if perchlorate was not detected in the parent sample. The parent sample datum was qualified with a "J" flag indicating the datum is estimated if perchlorate was detected in the parent sample.
- **Only the MS or MSD Outside Acceptance Criteria.** If perchlorate was outside acceptance criteria in only the MS or the MSD, the following criteria were used to evaluate the MS/MSD data. If a spike recovery in an MS or MSD sample was outside the acceptance criteria and the spike recovery in the other sample (MS or MSD) was just inside the acceptance criteria (at the same end of acceptance criteria range), the datum was

treated as if both the MS and MSD recoveries were outside the acceptance criteria. The parent sample datum was qualified using the criteria for MS/MSD recoveries above or below the acceptance limit as described previously. If an MS or MSD spike recovery was outside the acceptance criteria but the spike recovery in the other sample (MS or MSD) was well within the acceptance criteria (near the middle of the range), it was assumed that the recovery outside the acceptance criteria was anomalous, and not indicative of the sample media. Therefore, the parent sample datum was not qualified.

2.3.2.2. No sample data were qualified due to MS/MSD data outside acceptance criteria. Matrix spike/matrix spike duplicate data outside acceptance criteria that did not result in qualified data are presented in **Table 2** with "MS" and/or "MSD" as the QC type.

2.3.3 Laboratory Control Samples Evaluation

2.3.3.1. Laboratory control samples were analyzed to assess bias in the absence of matrix effects. Deionized water and sand were spiked with perchlorate according to the QAPP before analysis. The perchlorate percent recoveries were compared to the QAPP established QC limits. Laboratory control sample results are presented in **Table 8a** and **Table 8b**. The same criteria used to evaluate the MS/MSD samples described above were used to evaluate the LCS, except that all sample batch data associated with the LCS were qualified. No sample data were qualified due to LCS data outside acceptance criteria. Laboratory control sample data outside acceptance criteria that did not result in qualified data are presented in **Table 2** with "LCS" as the QC type.

2.4 PRECISION EVALUATION

2.4.0.1. Definition. Precision evaluation measures the reproducibility of measurements under a given set of conditions, and is expressed as RPD:

$$\text{RPD} = \left(\frac{|A - B|}{[A + B]/2} \right) \text{ x } 100$$

Where: A and B = The reported concentrations for sample duplicate analyses.

2.4.0.2. Laboratory precision was evaluated using the RPDs between the MS/MSD samples, LD samples, and field duplicate samples. The following criteria were used to evaluate precision for MS/MSD and LD samples:

2.4.1 MS/MSD Evaluation

2.4.1.1. If the RPD exceeded the acceptance criterion, corresponding perchlorate detected in the parent sample was qualified with a "J" flag indicating the datum is estimated. Because bias cannot be determined for non-detect analytes, parent sample data for non-detect analytes were not qualified. Sample data that were qualified due to MS/MSD RPD data outside acceptance criteria are listed in **Table 1** with "RPD" as the QC type. Matrix spike/matrix spike duplicate RPD data outside acceptance criterion that did not result in qualified data are presented in **Table 2** with "RPD" as the QC type.

2.4.2 LD Evaluation

2.4.2.1. If the RPD exceeded the acceptance criterion, the perchlorate detected in the parent sample was qualified with a "J" flag indicating the datum is estimated. All LD RPD data were within the QC acceptance criterion.

2.4.2.2. The RPD was calculated only for those analytes that were detected above the MDL in both the environmental and LD samples. The LD data are presented in **Table 9a** and **Table 9b**.

2.4.3 Field Duplicate Sample Evaluation

2.4.3.1. As discussed previously, field duplicate samples were collected and analyzed to evaluate sampling and analytical precision. Because precision is affected by several variables including sample heterogeneity, sample collection procedures, and sample preparation and analysis, the results of field duplicates were used as additional evidence to support data quality rather than as a basis for data qualification. A comparison of the actual sample results and the RPDs indicate good agreement between the parent sample and its respective duplicate. The field duplicate data are presented in **Table 6**. Parent and field duplicate samples with an RPD greater than 20% or where perchlorate was detected in a field duplicate but not the parent sample, or vice versa, are listed in **Table 2** with "RPD" as the QC type.

2.5 COMPARABILITY EVALUATION

2.5.0.1. Comparability is a qualitative parameter that expresses the confidence that one data set may be compared to another data set. For this project, sample collection and analysis followed standard methods and the data were reported using standard units of measure. In addition, QC data for this project indicate the data are comparable. Therefore, the data from this project should be comparable to data collected at this site using similar sample collection and analytical methodology.

3.0 DATA VERIFICATION SUMMARY

3.0.0.1. Precision. Based on the results of the MS/MSD and LD sample evaluation, the sample data are precise as qualified.

3.0.0.2. Bias. Based on the results of the ICAL, CVS, LCS, and MS/MSD sample evaluation, the sample data are not biased as qualified.

3.0.0.3. Representativeness. Based on the results of the sample preservation and holding time evaluation, the method and equipment rinseate blank sample data, and field duplicate sample data evaluation, the sample data for this project were considered representative of the site as qualified.

3.0.0.4. Comparability. Standard methods of sample collection and standard units of measure were used during this project. The analyses performed by the laboratory were in accordance with current EPA/600R-93/100 methodology. The data collected during this program should be comparable to future data collected at this site using similar sample collection and analytical methodology.

3.0.0.5. Completeness. Based on the results of the data verification, all data were considered valid as qualified. Sampling completeness was 100 percent and analytical completeness was 100 percent.

4.0 DATA USABILITY ASSESSMENT

4.0.0.1. The data usability evaluation is a qualitative assessment that is conducted to evaluate whether the verified data are of sufficient quality to support the project objectives (i.e., end use). The objectives for this project were to evaluate the impact of perchlorate releases in the Bosque and Leon River Watersheds in support of site characterization.

4.0.0.2. The data usability evaluation was conducted by assessing the following:

- Were all data that were scheduled for this project collected?
- Did the water sample MDLs or RLs meet the intermediary Protective Concentration Level (PCL) of 4 micrograms per liter (µg/l) for perchlorate (i.e., will data that were collected support evaluation of presence or absence of contaminants below the PCLs?)
- Were data for this project "R"-flagged as potentially unusable? If so, will these data impact the decision making process (i.e., will these data affect conclusions regarding site characterization?)
- Did data that were qualified with a "UJ" flag as a possible false negative impact the decision making process (i.e., will these data affect conclusions regarding site characterization?)
- Was the data completeness goal of 95 percent for this project met (i.e., were sufficient data of sufficient quality collected to meet the project completeness goal?)

Based on the results of the data verification, the data collected for the Bosque and Leon river watersheds study are of sufficient quantity and quality to meet the project objectives. The remainder of this section presents the results of the data usability evaluation.

4.1 SAMPLE COLLECTION AND ANALYSIS COMPLETENESS

4.1.0.1. Sample Collection Completeness. All samples that were scheduled for this project were collected as specified in the QAPP, except for when a sample collection location was dry or when the automatic sample collection equipment malfunctioned. Also, samples scheduled to be collected on October 16, 2003, could not be collected because the automatic sample collection equipment was destroyed by flooding shortly after October 1, 2003. With these three exceptions excluded, sample collection completeness was 100 percent.

4.1.0.2. Sample Analysis Completeness. Analytical completeness was evaluated on a per analyte basis using the following equation:

$$\text{Completeness} = \frac{\text{Number of valid data points}}{\text{Total number of measurements}} \times 100$$

Where: The number of valid data points is the total number of valid analytical measurements based on the precision, bias, and holding time evaluation.

4.1.0.3. Based on the results of the data verification, all data are considered valid as qualified. Analytical completeness was 100 percent for all analytes, which meets the project completeness goal of 95 percent.

4.2 REPORTING LIMITS

4.2.0.1. For this project, every effort was made to analyze the samples using the best available method so that the PCLs for this project were met. The following criteria were used for data reporting:

- The intermediary PCL for perchlorate of 4 µg/l was equal to the laboratory RL. Therefore sample results were reported to the MDL. When perchlorate was not detected in a sample, perchlorate was reported as <MDL.
- If perchlorate was detected between the MDL and RL, the result was qualified with a "J" flag to indicate the data are estimated and reflect a value between the MDL and RL.

4.2.0.2. All non-detect results were less than the intermediary PCL.

4.3 "UJ" AND "R" QUALIFIED DATA

4.3.0.1. The two qualifiers that are of particular importance regarding data validation are "UJ", which indicates a possible false negative and "R" which indicates the data may not be usable. No data were "R"-flagged for this project. The following paragraphs discuss the implications of "UJ" qualified data to data usability.

4.3.0.2. Sample data for non-detect compounds were qualified with a "UJ" flag to indicate the data are estimated as a potential false negative when QC criteria are outside the acceptance criteria indicating low bias. These data are summarized in **Table 1**. For the Bosque and Leon River Watersheds Study the "UJ" qualified data have no impact on data usability or the decisions that will be made regarding site characterization because the "UJ" qualified data are limited to IDW samples that were generated during decontamination of sampling equipment.

4.3.0.3. Perchlorate concentrations could not be determined in the IDW samples because Liqui-Nox®, a commercially available detergent, was used to decontaminate the sampling equipment. Originally, very high concentrations of perchlorate were reported to be present in the IDW samples but not in the associated samples from which the IDW samples were generated. Therefore, a sample of pure Liqui-Nox® was analyzed to determine if the sample peaks, originally attributed to perchlorate, were actually due to media interference caused by the Liqui-Nox®. The USACE laboratory determined that Liqui-Nox® elution overlaps the retention time window of perchlorate causing media interference. Because perchlorate was not detected in the samples from which the IDW samples were generated, and the Liqui-Nox® caused media interference, the USACE laboratory reported the perchlorate concentrations for the IDW samples as less than the MDL with a comment that perchlorate concentrations could not be accurately determined due to media interference.

4.3.0.4. To verify that the sample peaks, originally attributed to perchlorate, were actually due to media interference caused by the Liqui-Nox®, the groundwater IDW samples and a sample of pure Liqui-Nox® were submitted to Severn Trent Laboratories in Denver, Colorado, for analysis by liquid chromatograph/mass spectrometry/mass spectrometry (LC/MS/MS) method SW-846 8321A. This method was chosen to manage the interferences associated with Liqui-Nox® analysis. The LC/MS/MS analysis confirmed that the sample peaks, originally attributed to perchlorate, were in fact due to media interference caused by the Liqui-Nox®, and that the groundwater IDW samples contained no perchlorate above the MDL.

REFERENCES

U.S. EPA, 1993. *Methods for the Determination of Inorganic Substances in Environmental Samples (EPA 100-400 Series), EPA/600R-93/100*, *August 1993*.

MWH, 2002. *Final Quality Assurance Project Plan (QAPP) for the Bosque and Leon River Watersheds Study, August 2002.*

TABLE 1

SUMMARY OF DATA QUALIFIED
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 2)

Location Identification	Sample Identification	Sample Date	Analysis	Analyte	Sample Result	Sample Units	QC Type	QC Result	QC Units	Qualifier	Bias	Comment
HC1	HC1-SW-05-12-1825	05/12/03	U.S. EPA 314.0	Perchlorate	1 J	µg/l	HT	29	Days	J	Low	Datum is estimated, possible low bias. Sample analyzed outside of holding time.
HC1	HC1-SW-05-12-2225	05/12/03	U.S. EPA 314.0	Perchlorate	1 J	µg/l	HT	29	Days	J	Low	Datum is estimated, possible low bias. Sample analyzed outside of holding time.
IDW	DAFP-IDW-BL	06/12/03	U.S. EPA 314.0	Perchlorate	<1	µg/l	INT	--	--	UJ	Low	Possible false negative. Perchlorate concentration could not be determined due to interfering Liqui-Nox (surfactant) peak.
IDW	DAFP-IDW-BL-1	06/20/03	U.S. EPA 314.0	Perchlorate	<1	µg/l	INT	--	--	UJ	Low	Possible false negative. Perchlorate concentration could not be determined due to interfering Liqui-Nox (surfactant) peak.
IDW	DAFP-IDW-BL-2	06/20/03	U.S. EPA 314.0	Perchlorate	<1	µg/l	INT	--	--	UJ	Low	Possible false negative. Perchlorate concentration could not be determined due to interfering Liqui-Nox (surfactant) peak.
IDW	DAFP-IDW-LW1	06/20/03	U.S. EPA 314.0	Perchlorate	<1	µg/l	INT	--	--	UJ	Low	Possible false negative. Perchlorate concentration could not be determined due to interfering Liqui-Nox (surfactant) peak.

TABLE 1

SUMMARY OF DATA QUALIFIED
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 2)

Location Identification	Sample Identification	Sample Date	Analysis	Analyte	Sample Result	Sample Units	QC Type	QC Result	QC Units	Qualifier	Bias	Comment
Liqui-Nox	Liqui-Nox	06/20/03	U.S. EPA 314.0	Perchlorate	<1	µg/l	INT	--	--	UJ	Low	Possible false negative. Perchlorate concentration could not be determined due to interfering Liqui-Nox (surfactant) peak.
SBR1	SBR1-SW-09-25-0701	09/25/03	U.S. EPA 314.0	Perchlorate	1 J	µg/l	CVS	118	%	J	High	Datum is estimated, possible high bias. Calibration verification standard percent recovery outside acceptance criteria.
SC3	SC3-SW-05-02-1504	05/02/03	U.S. EPA 314.0	Perchlorate	7.2	µg/l	RPD	29.5	%	J	None	Datum is estimated, bias unknown. Matrix spike/matrix spike duplicate RPD outside acceptance criterion.
SC3	SC3-SW-05-09-1104	05/09/03	U.S. EPA 314.0	Perchlorate	1 J	µg/l	RPD	24.9	%	J	None	Datum is estimated, bias unknown. Matrix spike/matrix spike duplicate RPD outside acceptance criterion.

Non-detect sample data are reported to the method detection limit.

µg/l	micrograms per liter.
--	Not applicable.
CVS	Calibration verification standard.
HT	Holding time.
INT	Interference.
J	Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit.
QC	Quality control.
RPD	Relative percent difference.

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
BL	BL-SW-03-17-0940	03/17/03	U.S. EPA 314.0	Perchlorate	LCS	131	%	80-120	Laboratory control sample percent recovery outside acceptance criteria, indicating a possible high bias. Analyte not detected in associated samples.
BL	BL-SW-03-17-0940 Dup (SW-1051)								
GV	GV-SW-03-17-1055								
HR	HR-SW-03-17-1240								
RW	RW-SW-03-17-1300								
TP	TP-SW-03-17-0810								
WF	WF-SW-03-17-0900 (WG12230-2)								
CHC1	CHC1-SW-02-27-0659	02/27/03	U.S. EPA 314.0	Perchlorate	TEMP	8	°C	2-6	Sample temperature outside acceptance criteria upon arrival at the laboratory.
HC1	HC1-SW-02-27-0700								
LR1	LR1-SW-02-27-0658								
MBR1	MBR1-SW-02-27-0700								
OC1	OC1-SW-02-27-0700								
SBR1	SBR1-SW-02-27-0700								
SBR1	SBR1-SW-02-27-0700 Dup (SW1047)								
SBR3	SBR3-SW-02-27-0700								
SBR4	SBR4-SW-02-27-0700								
SBR4	SBR4-SW-02-27-0700 Dup (SW1048)								
SBR5	SBR5-SW-02-27-0659								
SC1	SC1-SW-02-27-0659								
SC5	SC5-SW-02-27-0701								
HC1	HC1-SW-05-06-2225	05/06/03	U.S. EPA 314.0	Perchlorate	RPD	25.5	%	20	Field duplicate RPD outside acceptable criterion.
HC1	HC1-SW-05-06-2225 Dup (SW1089)								

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
HC1 HC1	HC1-SW-05-11-2225 HC1-SW-05-11-2225 Dup (SW1125)	05/11/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 1 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
HC2	HC2-SW-09-14-1631	09/14/03	U.S. EPA 314.0	Perchlorate	RPD	25.5	%	20	Matrix spike/matrix spike duplicate RPD outside acceptance criteria, bias unknown. Analyte not detected in parent sample and MS/MSD percent recoveries within acceptance criteria.
HC2 HC2	HC2-SW-03-13-0700 HC2-SW-03-13-0700 Dup (SW1050)	03/13/03	U.S. EPA 314.0	Perchlorate	RPD	48.1	%	20	Field duplicate RPD outside acceptable criterion.

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
IDW	DAFP-IDW-BL	06/12/03	U.S. EPA 314.0	Perchlorate	TEMP	8	°C	2-6	Sample temperature outside acceptance criteria upon arrival at the laboratory.
LB1-SW-1	LB1-SW-1								
LB1-SW-1 Dup	LB1-SW-1 Dup (SW-3000)								
LB2-SW-1.3	LB2-SW-1.3								
LB3-SW-1.1	LB3-SW-1.1								
LB4-SW-0.9	LB4-SW-0.9								
LB5-SW-0.5	LB5-SW-0.5								
LB6-SW-0.5	LB6-SW-0.5								
LB7-SW-1.5	LB7-SW-1.5								
LB8-SW-0.8	LB8-SW-0.8								
LB9-SW-0.6	LB9-SW-0.6								
LB10-SW-1	LB10-SW-1								
LB11-SW-1	LB11-SW-1								
LB11-SW-1 Dup	LB11-SW-1 Dup (SW-3001)								
LB12-SW-0.4	LB12-SW-0.4								
LB13-SW-0.7	LB13-SW-0.7								
LB14-SW-0.3	LB14-SW-0.3								
LB15-SW-0.3	LB15-SW-0.3								
LB16-SW-1	LB16-SW-1								
LB17-SW-0.9	LB17-SW-0.9								
LB18-SW-0.5	LB18-SW-0.5								
LB19-SW-0.3	LB19-SW-0.3								
LB20-SW-1.1	LB20-SW-1.1								
Equipment Blank	LB3-SW-1.1-EB								
Equipment Blank	LB14-SW-0.3-EB								
OC1	OC1-SW-10-30-0700	10/30/02	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 3 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
OC1	OC1-SW-10-30-0700 Dup (SW1024)								

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
SBR1 SBR1	SBR1-SW-05-02-1856 SBR1-SW-05-02-1856 Dup (SW1061)	05/02/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 2 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR1 SBR1	SBR1-SW-05-13-2256 SBR1-SW-05-13-2256 Dup (SW1154)	05/13/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 1 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR1 SBR1	SBR1-SW-08-28-0700 SBR1-SW-08-28-0700 Dup (SW1187)	08/28/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 2 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR1 SBR1	SBR1-SW-09-23-0701 SBR1-SW-09-23-0701 Dup (SW1261)	09/23/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 1 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR1 SBR1	SBR1-SW-09-24-2301 SBR1-SW-09-24-2301 Dup (SW1274)	09/24/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 2 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR2	SBR2-SW-05-09-1000	08/09/03	U.S. EPA 314.0	Perchlorate	MS MSD	125 123	% %	80-120	Matrix spike/matrix spike duplicate percent recoveries outside acceptance criteria, indicating a possible high bias. Analyte not detected in associated sample.
SBR2 SBR2	SBR2-SW-05-02-1917 SBR2-SW-05-02-1917 Dup (SW1075)	05/02/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 1 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
SBR2	SBR2-SW-05-03-0717	05/03/03	U.S. EPA 314.0	Perchlorate	RPD	NC	%	--	Analyte detected at 1 J µg/l in the field duplicate sample but not detected above the MDL, 1 µg/l, in the parent sample.
SBR2	SBR2-SW-05-03-0717 Dup (SW1077)								
SBR2	SBR2-SW-09-15-0143	09/15/03	U.S. EPA 314.0	Perchlorate	CVS	117	%	85-115	Continuing calibration verification sample percent recovery outside acceptance criteria, indicating a possible high bias. Analyte not detected in associated samples.
SBR2	SBR2-SW-09-15-0943	09/15/03							
SBR2	SBR2-SW-09-15-1343	09/15/03							
SBR2	SBR2-SW-09-15-1343 Dup (SW1205)	09/15/03							
SBR4	SBR4-SW-09-11-1740	09/11/03							
SBR4	SBR4-SW-09-11-2140	09/11/03							
SBR4	SBR4-SW-09-12-0140	09/12/03							
SBR4	SBR4-SW-09-12-0540	09/12/03							
SBR4	SBR4-SW-09-12-0940	09/12/03							
SBR4	SBR4-SW-09-12-1340	09/12/03							
SBR4	SBR4-SW-09-12-1740	09/12/03							
SBR4	SBR4-SW-09-12-2140	09/12/03							
SBR4	SBR4-SW-09-12-2140 Dup (SW1206)	09/12/03							
SBR4	SBR4-SW-09-13-0540 (CCV-09/19/03-1649)	09/13/03							
SBR5	SBR5-SW-05-09-1004	05/09/03	U.S. EPA 314.0	Perchlorate	RPD	24.7	%	20	Matrix spike/matrix spike duplicate RPD outside acceptance criteria, bias unknown. Analyte not detected in parent sample and MS/MSD percent recoveries within acceptance criteria.

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
SC1	SC1-SW-03-27-0659	03/27/03	U.S. EPA 314.0	Perchlorate	TEMP	11	°C	2-6	Sample temperature outside acceptance criteria upon arrival at the laboratory.
SC1	SC1-SW-03-27-0659 Dup (SW1052)								
OC1	OC1-SW-03-27-0659								
OC1	OC1-SW-03-27-0659 Dup (SW1053)								
TRM1	TRM1-SW-03-27-0700								
SBR3	SBR3-SW-03-27-0700								
LR1	LR1-SW-03-27-0657								
SC5	SC5-SW-03-27-0701								
HC2	HC2-SW-03-27-0700								
SC3	SC3-SW-03-27-0700								
CHC1	CHC1-SW-03-27-0659								
HC1	HC1-SW-03-27-0700								
SBR1	SBR1-SW-03-27-0700								
SBR2	SBR2-SW-03-27-0700								
SBR4	SBR4-SW-03-27-0700								
SBR5	SBR5-SW-03-27-0700								
MBR1	MBR1-SW-03-27-0702								
SC3	SC3-SW-01-16-0700	01/16/03	U.S. EPA 314.0	Perchlorate	RPD	22.6	%	20	Field duplicate RPD outside acceptable criterion.
SC3	SC3-SW-01-16-0700 Dup (SW1041)								
TRM1	TRM1-SW-10-29-0700	10/29/02	U.S. EPA 314.0	Perchlorate	RPD	22.2	%	20	Field duplicate RPD outside acceptable criterion.
TRM1	TRM1-SW-10-29-0700 Dup (SW1023)								

Non-detect sample data are reported to the method detection limit.

-- Not applicable.

°C Degrees Celsius

TABLE 2

SUMMARY OF NON-CONFORMING QUALITY CONTROL DATA NOT AFFECTING DATA QUALITY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Sample Identification/ (QC Sample)	Sample Date	Analysis	Analyte	QC Type	QC Result	QC Units	QC Limit(s)	Comment
Dup	Duplicate.								
CVS	Calibration verification standard.								
IDW	Investigative derived waste.								
J	Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit.								
LCS	Laboratory control sample.								
MDL	Method detection limit.								
MS	Matrix spike sample.								
MSD	Matrix spike duplicate sample.								
NC	Not calculated.								
QC	Quality control.								
RPD	Relative percent difference.								
TEMP	Temperature.								

TABLE 3

HOLDING TIME DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
ADCPT1	ADCPT1-SW-5	09/23/2003	1128	10/04/2003	11	28
ADCPT1	ADCPT1-SW-1152-5	12/17/2003	1152	12/31/2003	14	28
ADCPT1	ADCPT1-SW-95	09/23/2003	1125	10/04/2003	11	28
ADCPT1 Lab Dup	ADCPT1-SW-95	09/23/2003	1125	10/04/2003	11	28
ADCPT1 MS	ADCPT1-SW-95	09/23/2003	1125	10/04/2003	11	28
ADCPT1 MSD	ADCPT1-SW-95	09/23/2003	1125	10/04/2003	11	28
ADCPT1	ADCPT1-SW-1152-103	12/17/2003	1152	12/31/2003	14	28
ADCPT1F1	ADCPT1F1-SW-1205-80	12/17/2003	1205	12/31/2003	14	28
ADCPT2	ADCPT2-SW-5	09/23/2003	1215	10/04/2003	11	28
ADCPT2	ADCPT2-SW-1245-5	12/17/2003	1245	12/31/2003	14	28
ADCPT2	ADCPT2-SW-1245-67	12/17/2003	1245	12/31/2003	14	28
ADCPT2	ADCPT2-SW-94	09/23/2003	1210	10/07/2003	14	28
ADCPT2F1	ADCPT2F1-SW-13.2	09/23/2003	1220	10/04/2003	11	28
ADCPT2F1	ADCPT2F1-SW-1255-40	12/17/2003	1255	12/31/2003	14	28
ADCPT3	ADCPT3-SW-5	09/23/2003	1241	10/04/2003	11	28
ADCPT3	ADCPT3-SW-1428-5	12/17/2003	1428	12/31/2003	14	28
ADCPT3 Lab Dup	ADCPT3-SW-1428-5	12/17/2003	1428	12/31/2003	14	28
ADCPT3 MS	ADCPT3-SW-1428-5	12/17/2003	1428	12/31/2003	14	28
ADCPT3 MSD	ADCPT3-SW-1428-5	12/17/2003	1428	12/31/2003	14	28
ADCPT3	ADCPT3-SW-1428-60	12/17/2003	1428	12/31/2003	14	28
ADCPT3	ADCPT3-SW-77.5	09/23/2003	1243	10/04/2003	11	28
ADCPT3F1	ADCPT3F1-SW-33	09/23/2003	1245	10/07/2003	14	28
ADCPT4	ADCPT4-SW-5	09/23/2003	1317	10/04/2003	11	28
ADCPT4 Field Dup	SW5000	09/23/2003	1317	10/04/2003	11	28
ADCPT4	ADCPT4-SW-1400-5	12/17/2003	1400	12/31/2003	14	28
ADCPT4	ADCPT4-SW-1400-42	12/17/2003	1400	12/31/2003	14	28
ADCPT4	ADCPT4-SW-51.1	09/23/2003	1315	10/04/2003	11	28
ADCPT4F1	ADCPT4F1-SW-33	09/23/2003	1318	10/04/2003	11	28
ADCPT5	ADCPT5-SW-5	09/23/2003	1341	10/07/2003	14	28
ADCPT5	ADCPT5-SW-1334-5	12/17/2003	1334	12/31/2003	14	28
ADCPT5	ADCPT5-SW-23.05	09/23/2003	1340	10/04/2003	11	28
ADCPT5	ADCPT5-SW-1334-26	12/17/2003	1334	12/31/2003	14	28
ADCPT6	ADCPT6-SW-5	09/24/2003	1025	10/07/2003	13	28
ADCPT6	ADCPT6-SW-1450-5	12/17/2003	1450	12/31/2003	14	28
ADCPT6	ADCPT6-SW-84	09/24/2003	1035	10/07/2003	13	28
ADCPT6	ADCPT6-SW-1450-86	12/17/2003	1450	12/31/2003	14	28
ADCPT6F1	ADCPT6F1-SW-26.5	09/24/2003	1045	10/07/2003	13	28
ADCPT6F1	ADCPT6F1-SW-1500-50	12/17/2003	1500	12/31/2003	14	28
ADCPT7	ADCPT7-SW-5	09/24/2003	1100	10/07/2003	13	28
ADCPT7	ADCPT7-SW-1514-5	12/17/2003	1514	12/31/2003	14	28
ADCPT7	ADCPT7-SW-81	09/24/2003	1055	10/07/2003	13	28
ADCPT7	ADCPT7-SW-1514-83	12/17/2003	1514	12/31/2003	14	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
ADCPT8	ADCPT8-SW-5	09/24/2003	1120	10/07/2003	13	28
ADCPT8 Field Dup	SW5001	09/24/2003	1120	10/07/2003	13	28
ADCPT8	ADCPT8-SW-1530-5	12/17/2003	1530	12/31/2003	14	28
ADCPT8	ADCPT8-SW-1530-62	12/17/2003	1530	12/31/2003	14	28
ADCPT8 Field Dup	SW9005	12/17/2003	1530	12/31/2003	14	28
ADCPT8	ADCPT8-SW-67	09/24/2003	1115	10/07/2003	13	28
ADCPT9	ADCPT9-SW-0947-5	12/18/2003	0947	12/31/2003	13	28
ADCPT9	ADCPT9-SW-47	09/24/2003	1215	10/07/2003	13	28
ADCPT9	ADCPT9-SW-0947-57	12/18/2003	0947	12/31/2003	13	28
ADCPT9F1	ADCPT9F1-SW-13	09/24/2003	1220	10/07/2003	13	28
ADCPT9F1 Lab Dup	ADCPT9F1-SW-13	09/24/2003	1220	10/07/2003	13	28
ADCPT9F1 MS	ADCPT9F1-SW-13	09/24/2003	1220	10/07/2003	13	28
ADCPT9F1 MSD	ADCPT9F1-SW-13	09/24/2003	1220	10/07/2003	13	28
ADCPT10	ADCPT10-SW-5	09/24/2003	1230	10/07/2003	13	28
ADCPT10	ADCPT10-SW-0932-5	12/18/2003	0932	12/31/2003	13	28
ADCPT10	ADCPT10-SW-0932-49	12/18/2003	0932	12/31/2003	13	28
ADCPT10	ADCPT10-SW-67	09/24/2003	1225	10/07/2003	13	28
ADCPT10F1	ADCPT10F1-SW-33	09/24/2003	1235	10/07/2003	13	28
ADCPT10F1 Field Dup	SW5002	09/24/2003	1235	10/04/2003	10	28
ADCPT10F1	ADCPT10F1-SW-0936-40	12/18/2003	0936	12/31/2003	13	28
ADCPT11	ADCPT11-SW-5	09/24/2003	1310	10/07/2003	13	28
ADCPT11	ADCPT11-SW-5	12/10/2003	1640	12/30/2003	20	28
ADCPT11	ADCPT11-SW-47	09/24/2003	1305	10/07/2003	13	28
ADCPT11	ADCPT11-SW-55	12/10/2003	1640	12/30/2003	20	28
ADCPT11F1	ADCPT11F1-SW-40	12/10/2003	1646	12/30/2003	20	28
ADCPT11F1 Field Dup	SW9001	12/10/2003	1646	12/30/2003	20	28
ADCPT12	ADCPT12-SW-5	09/24/2003	1325	10/07/2003	13	28
ADCPT12	ADCPT12-SW-5	12/10/2003	1618	12/30/2003	20	28
ADCPT12	ADCPT12-SW-35	12/10/2003	1618	12/30/2003	20	28
ADCPT12F1	ADCPT12F1-SW-7	12/10/2003	1604	12/30/2003	20	28
ADCPT13	ADCPT13-SW-5	09/24/2003	1350	10/04/2003	10	28
ADCPT13	ADCPT13-SW-5	12/10/2003	1535	12/30/2003	20	28
ADCPT13	ADCPT13-SW-24	12/10/2003	1535	12/30/2003	20	28
ADCPT13	ADCPT13-SW-28	09/24/2003	1345	10/07/2003	13	28
ADCPT13F1	ADCPT13F1-SW-23	12/10/2003	1545	12/30/2003	20	28
ADCPT14	ADCPT14-SW-5	09/24/2003	1415	10/07/2003	13	28
ADCPT14 Lab Dup	ADCPT14-SW-5	09/24/2003	1415	10/07/2003	13	28
ADCPT14 MS	ADCPT14-SW-5	09/24/2003	1415	10/07/2003	13	28
ADCPT14 MSD	ADCPT14-SW-5	09/24/2003	1415	10/07/2003	13	28
ADCPT14	ADCPT14-SW-5	12/10/2003	1509	12/30/2003	20	28
ADCPT14	ADCPT14-SW-15	09/24/2003	1405	10/07/2003	13	28
ADCPT14	ADCPT14-SW-18	12/10/2003	1509	12/30/2003	20	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
ADCPT14F1	ADCPT14F1-SW-13	09/24/2003	1410	10/07/2003	13	28
ADCPT14F1	ADCPT14F1-SW-16	12/10/2003	1515	12/30/2003	20	28
ADCPT14F1	ADCPT14F1-SW-30	09/24/2003	1315	10/07/2003	13	28
ADCPT15	ADCPT15-SW-5	09/24/2003	1435	10/07/2003	13	28
ADCPT15	ADCPT15-SW-5	12/10/2003	1440	12/30/2003	20	28
ADCPT15 Lab Dup	ADCPT15-SW-5	12/10/2003	1440	12/30/2003	20	28
ADCPT15 MS	ADCPT15-SW-5	12/10/2003	1440	12/30/2003	20	28
ADCPT15 MSD	ADCPT15-SW-5	12/10/2003	1440	12/30/2003	20	28
ADCPT15	ADCPT15-SW-18	09/24/2003	1425	10/07/2003	13	28
ADCPT15	ADCPT15-SW-22	12/10/2003	1440	12/30/2003	20	28
ADCPT15F1	ADCPT15F1-SW-8	09/24/2003	1430	10/07/2003	13	28
ADCPT15F1 Field Dup	SW5003	09/24/2003	1430	10/07/2003	13	28
ADCPT15F1	ADCPT15F1-SW-17	12/10/2003	1509	12/30/2003	20	28
ADCPT16	ADCPT16-SW-5	09/24/2003	1455	10/07/2003	13	28
ADCPT16	ADCPT16-SW-5	12/10/2003	1209	12/30/2003	20	28
ADCPT16	ADCPT16-SW-15	12/10/2003	1209	12/30/2003	20	28
ADCPT17	ADCPT17-SW-5	09/24/2003	1510	10/07/2003	13	28
ADCPT17 Field Dup	SW5004	09/24/2003	1510	10/07/2003	13	28
ADCPT17 Lab Dup	ADCPT17-SW-5	09/24/2003	1510	10/07/2003	13	28
ADCPT17 MS	ADCPT17-SW-5	09/24/2003	1510	10/07/2003	13	28
ADCPT17 MSD	ADCPT17-SW-5	09/24/2003	1510	10/07/2003	13	28
ADCPT17	ADCPT17-SW-6	12/10/2003	1258	12/30/2003	20	28
ADCPT18	ADCPT18-SW-2	12/10/2003	1320	12/30/2003	20	28
ADCPT18	ADCPT18-SW-5	09/24/2003	1520	10/07/2003	13	28
ADCPT19	ADCPT19-SW-5	09/24/2003	1150	10/07/2003	13	28
ADCPT19	ADCPT19-SW-1009-5	12/18/2003	1009	12/31/2003	13	28
ADCPT19 Lab Dup	ADCPT19-SW-1009-5	12/18/2003	1009	12/31/2003	13	28
ADCPT19 MS	ADCPT19-SW-1009-5	12/18/2003	1009	12/31/2003	13	28
ADCPT19 MSD	ADCPT19-SW-1009-5	12/18/2003	1009	12/31/2003	13	28
ADCPT19	ADCPT19-SW-55	09/24/2003	1145	10/07/2003	13	28
ADCPT19	ADCPT19-SW-1009-55	12/18/2003	1009	12/31/2003	13	28
ADCPT19 Field Dup	SW9006	12/18/2003	1009	12/31/2003	13	28
ADCPT19F1	ADCPT19F1-SW-1011-1	12/18/2003	1011	01/01/2004	14	28
ADCPT20	ADCPT20-SW-5	09/24/2003	1250	10/07/2003	13	28
ADCPT20	ADCPT20-SW-0920-5	12/18/2003	0920	12/31/2003	13	28
ADCPT20	ADCPT20-SW-0920-82	12/18/2003	0920	01/01/2004	14	28
ADCPT20 Field Dup	SW9007	12/18/2003	0920	01/01/2004	14	28
ADCPT21	ADCPT21-SW-5	09/24/2003	1705	10/07/2003	13	28
ADCPT21	ACPDT21-SW-5	12/10/2003	1230	12/30/2003	20	28
ADCPT22	ADCPT22-SW-3.5	12/10/2003	1345	12/30/2003	20	28
ADCPT22 Field Dup	SW9000	12/10/2003	1345	12/30/2003	20	28
ADCPT22	ADCPT22-SW-5	09/24/2003	1600	10/07/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
ADCPT23	ADCPT23-SW-5	09/23/2003	1425	10/07/2003	14	28
BB	BB-SW-01-29-0830	01/29/2003	0830	02/03/2003	5	28
BB	BB-SW-03-17-1020	03/17/2003	1020	03/22/2003	5	28
BB Lab Dup	BB-SW-03-17-1020	03/17/2003	1020	03/24/2003	7	28
BB MS	BB-SW-03-17-1020	03/17/2003	1020	03/24/2003	7	28
BB MSD	BB-SW-03-17-1020	03/17/2003	1020	03/24/2003	7	28
BB	BB-SW-04-28-1137	04/28/2003	1137	04/30/2003	2	28
BB	BB-SW-05-30-0928	05/30/2003	0928	06/06/2003	7	28
BB	BB-SW-06-20-1005	06/20/2003	1005	06/24/2003	4	28
BB Field Dup	SW1179	06/20/2003	1005	06/24/2003	4	28
BB	BB-SW-09-04-1015	09/04/2003	1015	09/16/2003	12	28
BB	BB-SW-09-30-0900	09/30/2003	0900	10/15/2003	15	28
BB	BB-SW-12-15-1018	12/15/2003	1018	12/31/2003	16	28
BC	BC-SW-01-29-0910	01/29/2003	0910	02/03/2003	5	28
BC	BC-SW-03-17-0940	03/17/2003	0940	03/22/2003	5	28
BC Field Dup	SW1051	03/17/2003	0940	03/22/2003	5	28
BC	BC-SW-04-28-1100	04/28/2003	1100	04/29/2003	1	28
BC Lab Dup	BC-SW-04-28-1100	04/28/2003	1100	04/29/2003	1	28
BC MSD	BC-SW-04-28-1100	04/28/2003	1100	04/30/2003	2	28
BC MS	BC-SW-04-28-1100	04/28/2003	1100	04/29/2003	1	28
BC	BC-SW-05-30-0844	05/30/2003	0844	06/06/2003	7	28
BC Lab Dup	BC-SW-05-30-0844	05/30/2003	0844	06/06/2003	7	28
BC MS	BC-SW-05-30-0844	05/30/2003	0844	06/06/2003	7	28
BC MSD	BC-SW-05-30-0844	05/30/2003	0844	06/06/2003	7	28
BC	BC-SW-06-20-0920	06/20/2003	0920	06/27/2003	7	28
BC Lab Dup	BC-SW-06-20-0920	06/20/2003	0920	06/27/2003	7	28
BC MS	BC-SW-06-20-0920	06/20/2003	0920	06/27/2003	7	28
BC MSD	BC-SW-06-20-0920	06/20/2003	0920	06/27/2003	7	28
BC	BC-SW-07-28-0910	07/28/2003	0910	08/04/2003	7	28
BC	BC-SW-09-04-0934	09/04/2003	0934	09/16/2003	12	28
BC	BC-SW-09-30-0827	09/30/2003	0827	10/15/2003	15	28
BC	BC-SW-10-31-0832	10/31/2003	0832	11/07/2003	7	28
BC	BC-SW-12-15-0925	12/15/2003	0925	12/31/2003	16	28
CHC1	CHC1-SW-17-10-0701	10/17/2002	0701	10/18/2002	1	28
CHC1	CHC1-SW-10-18-0701	10/18/2002	0701	10/22/2002	4	28
CHC1	CHC1-SW-10-19-0701	10/19/2002	0701	10/24/2002	5	28
CHC1	CHC1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28
CHC1 Lab Dup	CHC1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28
CHC1 MS	CHC1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28
CHC1 MSD	CHC1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28
CHC1	CHC1-SW-10-21-0701	10/21/2002	0701	10/24/2002	3	28
CHC1	CHC1-SW-10-22-0701	10/22/2002	0701	10/24/2002	2	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-10-23-0701	10/23/2002	0701	10/25/2002	2	28
CHC1	CHC1-SW-10-24-0701	10/24/2002	0701	10/26/2002	2	28
CHC1	CHC1-SW-10-25-0701	10/25/2002	0701	10/28/2002	3	28
CHC1	CHC1-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
CHC1	CHC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
CHC1	CHC1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
CHC1 Lab Dup	CHC1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
CHC1 MS	CHC1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
CHC1 MSD	CHC1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
CHC1	CHC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
CHC1	CHC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
CHC1	CHC1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
CHC1	CHC1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
CHC1	CHC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
CHC1	CHC1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
CHC1	CHC1-SW-01-02-0659	01/02/2003	0659	01/06/2003	4	28
CHC1	CHC1-SW-01-16-0659	01/16/2003	0659	01/17/2003	1	28
CHC1	CHC1-SW-01-30-0659	01/30/2003	0659	02/03/2003	4	28
CHC1	CHC1-SW-02-13-0659	02/13/2003	0659	02/19/2003	6	28
CHC1	CHC1-SW-02-27-0659	02/27/2003	0659	03/04/2003	5	28
CHC1	CHC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
CHC1	CHC1-SW-03-27-0659	03/27/2003	0659	04/02/2003	6	28
CHC1	CHC1-SW-04-10-1130	04/10/2003	1130	04/15/2003	5	28
CHC1	CHC1-SW-04-24-1023	04/24/2003	1023	04/29/2003	5	28
CHC1	CHC1-SW-05-02-1054	05/02/2003	1054	05/08/2003	6	28
CHC1	CHC1-SW-05-02-1302	05/02/2003	1302	05/08/2003	6	28
CHC1 Field Dup	SW1078	05/02/2003	1302	05/08/2003	6	28
CHC1	CHC1-SW-05-02-1702	05/02/2003	1702	05/08/2003	6	28
CHC1	CHC1-SW-05-02-2102	05/02/2003	2102	05/08/2003	6	28
CHC1	CHC1-SW-05-03-0102	05/03/2003	0102	05/12/2003	9	28
CHC1	CHC1-SW-05-03-0502	05/03/2003	0502	05/08/2003	5	28
CHC1	CHC1-SW-05-03-0902	05/03/2003	0902	05/08/2003	5	28
CHC1	CHC1-SW-05-03-1302	05/03/2003	1302	05/08/2003	5	28
CHC1	CHC1-SW-05-03-1702	05/03/2003	1702	05/08/2003	5	28
CHC1	CHC1-SW-05-03-2102	05/03/2003	2102	05/09/2003	6	28
CHC1	CHC1-SW-05-04-0102	05/04/2003	0102	05/08/2003	4	28
CHC1	CHC1-SW-05-04-0502	05/04/2003	0502	05/08/2003	4	28
CHC1 Field Dup	SW1079	05/04/2003	0502	05/08/2003	4	28
CHC1	CHC1-SW-05-04-0902	05/04/2003	0902	05/12/2003	8	28
CHC1 Field Dup	SW1076	05/04/2003	0902	05/12/2003	8	28
CHC1	CHC1-SW-05-04-1302	05/04/2003	1302	05/12/2003	8	28
CHC1	CHC1-SW-05-04-1702	05/04/2003	1702	05/08/2003	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-05-04-2102	05/04/2003	2102	05/12/2003	8	28
CHC1	CHC1-SW-05-05-0102	05/05/2003	0102	05/12/2003	7	28
CHC1 Lab Dup	CHC1-SW-05-05-0102	05/05/2003	0102	05/12/2003	7	28
CHC1 MSD	CHC1-SW-05-05-0102	05/05/2003	0102	05/12/2003	7	28
CHC1 MS	CHC1-SW-05-05-0102	05/05/2003	0102	05/12/2003	7	28
CHC1	CHC1-SW-05-05-0502	05/05/2003	0502	05/08/2003	3	28
CHC1	CHC1-SW-05-05-0902	05/05/2003	0902	05/15/2003	10	28
CHC1	CHC1-SW-05-05-1302	05/05/2003	1302	05/15/2003	10	28
CHC1	CHC1-SW-05-05-1702	05/05/2003	1702	05/15/2003	10	28
CHC1	CHC1-SW-05-05-2102	05/05/2003	2102	05/15/2003	10	28
CHC1	CHC1-SW-05-06-0102	05/06/2003	0102	05/15/2003	9	28
CHC1	CHC1-SW-05-06-0502	05/06/2003	0502	05/15/2003	9	28
CHC1	CHC1-SW-05-06-0903	05/06/2003	0903	05/15/2003	9	28
CHC1	CHC1-SW-05-06-1302	05/06/2003	1302	05/15/2003	9	28
CHC1 Lab Dup	CHC1-SW-05-06-1302	05/06/2003	1302	05/15/2003	9	28
CHC1 MS	CHC1-SW-05-06-1302	05/06/2003	1302	05/15/2003	9	28
CHC1 MSD	CHC1-SW-05-06-1302	05/06/2003	1302	05/15/2003	9	28
CHC1	CHC1-SW-05-06-1702	05/06/2003	1702	05/15/2003	9	28
CHC1 Field Dup	SW1096	05/06/2003	1702	05/15/2003	9	28
CHC1	CHC1-SW-05-06-2102	05/06/2003	2102	05/15/2003	9	28
CHC1	CHC1-SW-05-07-0102	05/07/2003	0102	05/15/2003	8	28
CHC1	CHC1-SW-05-07-0502	05/07/2003	0502	05/15/2003	8	28
CHC1	CHC1-SW-05-07-0902	05/07/2003	0902	05/20/2003	13	28
CHC1	CHC1-SW-05-07-1302	05/07/2003	1302	05/20/2003	13	28
CHC1	CHC1-SW-05-07-1702	05/07/2003	1702	05/20/2003	13	28
CHC1 Field Dup	SW1113	05/07/2003	1702	05/23/2003	16	28
CHC1	CHC1-SW-05-07-2102	05/07/2003	2102	05/23/2003	16	28
CHC1	CHC1-SW-05-08-0102	05/08/2003	0102	05/23/2003	15	28
CHC1	CHC1-SW-05-08-0502	05/08/2003	0502	05/23/2003	15	28
CHC1	CHC1-SW-05-08-0902	05/08/2003	0902	05/23/2003	15	28
CHC1	CHC1-SW-05-08-1302	05/08/2003	1302	05/23/2003	15	28
CHC1	CHC1-SW-05-08-1702	05/08/2003	1702	05/23/2003	15	28
CHC1	CHC1-SW-05-08-2102	05/08/2003	2102	05/23/2003	15	28
CHC1	CHC1-SW-05-09-0102	05/09/2003	0102	05/23/2003	14	28
CHC1	CHC1-SW-05-09-0502	05/09/2003	0502	05/23/2003	14	28
CHC1	CHC1-SW-05-09-0902	05/09/2003	0902	06/06/2003	28	28
CHC1 Lab Dup	CHC1-SW-05-09-0902	05/09/2003	0902	06/06/2003	28	28
CHC1 MS	CHC1-SW-05-09-0902	05/09/2003	0902	06/06/2003	28	28
CHC1 MSD	CHC1-SW-05-09-0902	05/09/2003	0902	06/06/2003	28	28
CHC1	CHC1-SW-05-09-1302	05/09/2003	1302	06/06/2003	28	28
CHC1	CHC1-SW-05-09-1702	05/09/2003	1702	06/06/2003	28	28
CHC1	CHC1-SW-05-09-2102	05/09/2003	2102	06/06/2003	28	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-05-10-0102	05/10/2003	0102	06/06/2003	27	28
CHC1	CHC1-SW-05-10-0502	05/10/2003	0502	06/06/2003	27	28
CHC1	CHC1-SW-05-10-0902	05/10/2003	0902	06/06/2003	27	28
CHC1	CHC1-SW-05-10-1302	05/10/2003	1302	06/06/2003	27	28
CHC1 Field Dup	SW1135	05/10/2003	1302	06/06/2003	27	28
CHC1	CHC1-SW-05-10-1702	05/10/2003	1702	06/06/2003	27	28
CHC1	CHC1-SW-05-10-2102	05/10/2003	2102	06/06/2003	27	28
CHC1	CHC1-SW-05-11-0102	05/11/2003	0102	06/06/2003	26	28
CHC1	CHC1-SW-05-11-0502	05/11/2003	0502	06/06/2003	26	28
CHC1	CHC1-SW-05-11-0902	05/11/2003	0902	06/06/2003	26	28
CHC1	CHC1-SW-05-11-1302	05/11/2003	1302	06/06/2003	26	28
CHC1	CHC1-SW-05-11-1702	05/11/2003	1702	06/06/2003	26	28
CHC1	CHC1-SW-05-11-2102	05/11/2003	2102	06/06/2003	26	28
CHC1	CHC1-SW-05-12-0102	05/12/2003	0102	06/06/2003	25	28
CHC1	CHC1-SW-05-12-0502	05/12/2003	0502	06/06/2003	25	28
CHC1 Field Dup	SW1136	05/12/2003	0502	06/06/2003	25	28
CHC1	CHC1-SW-05-12-0902	05/12/2003	0902	05/25/2003	13	28
CHC1	CHC1-SW-05-12-1302	05/12/2003	1302	05/25/2003	13	28
CHC1 Field Dup	SW1152	05/12/2003	1302	05/25/2003	13	28
CHC1	CHC1-SW-05-12-1702	05/12/2003	1702	05/25/2003	13	28
CHC1 Lab Dup	CHC1-SW-05-12-1702	05/12/2003	1702	05/25/2003	13	28
CHC1 MS	CHC1-SW-05-12-1702	05/12/2003	1702	05/25/2003	13	28
CHC1 MSD	CHC1-SW-05-12-1702	05/12/2003	1702	05/25/2003	13	28
CHC1	CHC1-SW-05-12-2102	05/12/2003	2102	05/25/2003	13	28
CHC1	CHC1-SW-05-13-0102	05/13/2003	0102	05/25/2003	12	28
CHC1	CHC1-SW-05-13-0502	05/13/2003	0502	05/25/2003	12	28
CHC1	CHC1-SW-05-13-0902	05/13/2003	0902	05/24/2003	11	28
CHC1 Lab Dup	CHC1-SW-05-13-0902	05/13/2003	0902	05/24/2003	11	28
CHC1 MS	CHC1-SW-05-13-0902	05/13/2003	0902	05/24/2003	11	28
CHC1 MSD	CHC1-SW-05-13-0902	05/13/2003	0902	05/24/2003	11	28
CHC1	CHC1-SW-05-13-1302	05/13/2003	1302	05/24/2003	11	28
CHC1	CHC1-SW-05-13-1702	05/13/2003	1702	05/24/2003	11	28
CHC1	CHC1-SW-05-13-2102	05/13/2003	2102	05/24/2003	11	28
CHC1	CHC1-SW-05-14-0102	05/14/2003	0102	05/24/2003	10	28
CHC1	CHC1-SW-05-14-0502	05/14/2003	0502	05/24/2003	10	28
CHC1 Field Dup	SW1153	05/14/2003	0502	05/24/2003	10	28
CHC1	CHC1-SW-05-14-0902	05/14/2003	0902	05/28/2003	14	28
CHC1	CHC1-SW-05-14-1302	05/14/2003	1302	05/28/2003	14	28
CHC1 Field Dup	SW1167	05/14/2003	1302	05/28/2003	14	28
CHC1	CHC1-SW-05-14-1702	05/14/2003	1702	05/28/2003	14	28
CHC1	CHC1-SW-05-14-2102	05/14/2003	2102	05/28/2003	14	28
CHC1	CHC1-SW-05-15-0102	05/15/2003	0102	05/28/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-05-15-0502	05/15/2003	0502	05/28/2003	13	28
CHC1	CHC1-SW-05-15-0902	05/15/2003	0902	05/28/2003	13	28
CHC1	CHC1-SW-05-15-1302	05/15/2003	1302	05/28/2003	13	28
CHC1 Lab Dup	CHC1-SW-05-15-1302	05/15/2003	1302	05/28/2003	13	28
CHC1 MS	CHC1-SW-05-15-1302	05/15/2003	1302	05/28/2003	13	28
CHC1 MSD	CHC1-SW-05-15-1302	05/15/2003	1302	05/28/2003	13	28
CHC1	CHC1-SW-05-15-1702	05/15/2003	1702	05/28/2003	13	28
CHC1	CHC1-SW-05-15-2102	05/15/2003	2102	05/28/2003	13	28
CHC1	CHC1-SW-05-16-0102	05/16/2003	0102	05/28/2003	12	28
CHC1	CHC1-SW-05-16-0502	05/16/2003	0502	05/28/2003	12	28
CHC1 Field Dup	SW1168	05/16/2003	0502	05/28/2003	12	28
CHC1	CHC1-SW-05-22-1025	05/22/2003	1025	05/30/2003	8	28
CHC1	CHC1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
CHC1	CHC1-SW-06-19-0701	06/19/2003	0659	06/24/2003	5	28
CHC1	CHC1-SW-07-03-0659	07/03/2003	0659	07/11/2003	8	28
CHC1 Field Dup	SW1180	07/03/2003	0659	07/11/2003	8	28
CHC1 Lab Dup	CHC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
CHC1 MS	CHC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
CHC1 MSD	CHC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
CHC1	CHC1-SW-07-17-0659	07/17/2003	0659	07/24/2003	7	28
CHC1	CHC1-SW-07-31-0659	07/31/2003	0659	08/05/2003	5	28
CHC1	CHC1-SW-08-14-0659	08/14/2003	0659	08/22/2003	8	28
CHC1 Lab Dup	CHC1-SW-08-14-0659	08/14/2003	0659	08/22/2003	8	28
CHC1 MSD	CHC1-SW-08-14-0659	08/14/2003	0659	08/22/2003	8	28
CHC1 MS	CHC1-SW-08-14-0659	08/14/2003	0659	08/22/2003	8	28
CHC1	CHC1-SW-08-28-0659	08/28/2003	0659	09/03/2003	6	28
CHC1	CHC1-SW-09-11-1015	09/11/2003	1015	09/16/2003	5	28
CHC1	CHC1-SW-09-12-0145	09/12/2003	0145	09/17/2003	5	28
CHC1 Lab Dup	CHC1-SW-09-12-0145	09/12/2003	0145	09/17/2003	5	28
CHC1 MSD	CHC1-SW-09-12-0145	09/12/2003	0145	09/17/2003	5	28
CHC1 MS	CHC1-SW-09-12-0145	09/12/2003	0145	09/17/2003	5	28
CHC1	CHC1-SW-09-12-0545	09/12/2003	0545	09/17/2003	5	28
CHC1 Field Dup	SW1201	09/12/2003	0545	09/17/2003	5	28
CHC1	CHC1-SW-09-12-0945	09/12/2003	0945	09/17/2003	5	28
CHC1	CHC1-SW-09-12-1345	09/12/2003	1345	09/17/2003	5	28
CHC1	CHC1-SW-09-12-1745	09/12/2003	1745	09/17/2003	5	28
CHC1	CHC1-SW-09-12-2145	09/12/2003	2145	09/17/2003	5	28
CHC1	CHC1-SW-09-13-0145	09/13/2003	0145	09/17/2003	4	28
CHC1	CHC1-SW-09-13-0545	09/13/2003	0545	09/17/2003	4	28
CHC1	CHC1-SW-09-13-0945	09/13/2003	0945	09/17/2003	4	28
CHC1	CHC1-SW-09-13-1345	09/13/2003	1345	09/17/2003	4	28
CHC1	CHC1-SW-09-13-1745	09/13/2003	1745	09/17/2003	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-09-13-2145	09/13/2003	2145	09/17/2003	4	28
CHC1 Field Dup	SW1202	09/14/2003	0145	09/18/2003	4	28
CHC1	CHC1-SW-09-14-0145	09/14/2003	0145	09/18/2003	4	28
CHC1	CHC1-SW-09-14-0545	09/14/2003	0545	09/18/2003	4	28
CHC1 Lab Dup	CHC1-SW-09-14-0545	09/14/2003	0545	09/18/2003	4	28
CHC1 MS	CHC1-SW-09-14-0545	09/14/2003	0545	09/18/2003	4	28
CHC1 MSD	CHC1-SW-09-14-0545	09/14/2003	0545	09/18/2003	4	28
CHC1	CHC1-SW-09-14-0945	09/14/2003	0945	09/18/2003	4	28
CHC1	CHC1-SW-09-14-1345	09/14/2003	1345	09/18/2003	4	28
CHC1	CHC1-SW-09-14-1745	09/14/2003	1745	09/18/2003	4	28
CHC1	CHC1-SW-09-14-2145	09/14/2003	2145	09/18/2003	4	28
CHC1	CHC1-SW-09-15-0145	09/15/2003	0145	09/18/2003	3	28
CHC1	CHC1-SW-09-15-0545	09/15/2003	0545	09/18/2003	3	28
CHC1	CHC1-SW-09-15-0945	09/15/2003	0945	09/18/2003	3	28
CHC1 Field Dup	SW1203	09/15/2003	0945	09/18/2003	3	28
CHC1	CHC1-SW-09-15-1345	09/15/2003	1345	09/21/2003	6	28
CHC1	CHC1-SW-09-15-1745	09/15/2003	1745	09/21/2003	6	28
CHC1	CHC1-SW-09-15-2145	09/15/2003	2145	09/21/2003	6	28
CHC1	CHC1-SW-09-16-0145	09/16/2003	0145	09/21/2003	5	28
CHC1	CHC1-SW-09-16-0545	09/16/2003	0545	09/21/2003	5	28
CHC1	CHC1-SW-09-16-0945	09/16/2003	0945	09/21/2003	5	28
CHC1 Field Dup	SW1211	09/16/2003	0945	09/21/2003	5	28
CHC1	CHC1-SW-09-16-1345	09/16/2003	1345	09/21/2003	5	28
CHC1	CHC1-SW-09-16-1745	09/16/2003	1745	09/21/2003	5	28
CHC1	CHC1-SW-09-16-2145	09/16/2003	2145	09/22/2003	6	28
CHC1 Lab Dup	CHC1-SW-09-16-2145	09/16/2003	2145	09/22/2003	6	28
CHC1 MS	CHC1-SW-09-16-2145	09/16/2003	2145	09/22/2003	6	28
CHC1 MSD	CHC1-SW-09-16-2145	09/16/2003	2145	09/22/2003	6	28
CHC1	CHC1-SW-09-17-0145	09/17/2003	0145	09/21/2003	4	28
CHC1	CHC1-SW-09-17-0545	09/17/2003	0545	09/21/2003	4	28
CHC1	CHC1-SW-09-17-0945	09/17/2003	0945	09/21/2003	4	28
CHC1	CHC1-SW-09-17-1345	09/17/2003	1345	09/25/2003	8	28
CHC1 Lab Dup	CHC1-SW-09-17-1345	09/17/2003	1345	09/25/2003	8	28
CHC1 MS	CHC1-SW-09-17-1345	09/17/2003	1345	09/25/2003	8	28
CHC1 MSD	CHC1-SW-09-17-1345	09/17/2003	1345	09/25/2003	8	28
CHC1	CHC1-SW-09-17-1745	09/17/2003	1745	09/25/2003	8	28
CHC1	CHC1-SW-09-17-2145	09/17/2003	2145	09/25/2003	8	28
CHC1	CHC1-SW-09-18-0145	09/18/2003	0145	09/25/2003	7	28
CHC1	CHC1-SW-09-18-0545	09/18/2003	0545	09/25/2003	7	28
CHC1	CHC1-SW-09-18-0945	09/18/2003	0945	09/25/2003	7	28
CHC1	CHC1-SW-09-18-1345	09/18/2003	1345	09/25/2003	7	28
CHC1 Field Dup	SW1222	09/18/2003	1345	09/25/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-09-18-1745	09/18/2003	1745	09/25/2003	7	28
CHC1	CHC1-SW-09-18-2145	09/18/2003	2145	09/25/2003	7	28
CHC1	CHC1-SW-09-19-0145	09/19/2003	0145	09/25/2003	6	28
CHC1	CHC1-SW-09-19-0545	09/19/2003	0545	09/30/2003	11	28
CHC1	CHC1-SW-09-19-0945	09/19/2003	0945	09/30/2003	11	28
CHC1	CHC1-SW-09-19-1345	09/19/2003	1345	10/01/2003	12	28
CHC1	CHC1-SW-09-19-1745	09/19/2003	1745	10/01/2003	12	28
CHC1	CHC1-SW-09-19-2145	09/19/2003	2145	10/01/2003	12	28
CHC1	CHC1-SW-09-20-0145	09/20/2003	0145	10/01/2003	11	28
CHC1	CHC1-SW-09-20-0545	09/20/2003	0545	10/01/2003	11	28
CHC1	CHC1-SW-09-20-0945	09/20/2003	0945	10/01/2003	11	28
CHC1 Lab Dup	CHC1-SW-09-20-0945	09/20/2003	0945	10/01/2003	11	28
CHC1 MS	CHC1-SW-09-20-0945	09/20/2003	0945	10/01/2003	11	28
CHC1 MSD	CHC1-SW-09-20-0945	09/20/2003	0945	10/01/2003	11	28
CHC1	CHC1-SW-09-20-1345	09/20/2003	1345	10/02/2003	12	28
CHC1 Field Dup	SW1242	09/20/2003	1345	10/02/2003	12	28
CHC1	CHC1-SW-09-20-1745	09/20/2003	1745	10/02/2003	12	28
CHC1	CHC1-SW-09-20-2145	09/20/2003	2145	10/02/2003	12	28
CHC1	CHC1-SW-09-21-0145	09/21/2003	0145	10/02/2003	11	28
CHC1	CHC1-SW-09-21-0545	09/21/2003	0545	10/02/2003	11	28
CHC1	CHC1-SW-09-21-0945	09/21/2003	0945	10/02/2003	11	28
CHC1	CHC1-SW-09-21-1345	09/21/2003	1345	10/02/2003	11	28
CHC1	CHC1-SW-09-21-1745	09/21/2003	1745	10/02/2003	11	28
CHC1	CHC1-SW-09-21-2145	09/21/2003	2145	10/03/2003	12	28
CHC1	CHC1-SW-09-22-0145	09/22/2003	0145	10/03/2003	11	28
CHC1	CHC1-SW-09-22-0545	09/22/2003	0545	10/03/2003	11	28
CHC1 Field Dup	SW1243	09/22/2003	0545	10/03/2003	11	28
CHC1	CHC1-SW-09-22-0945	09/22/2003	0945	10/03/2003	11	28
CHC1	CHC1-SW-09-22-1345	09/22/2003	1345	10/05/2003	13	28
CHC1	CHC1-SW-09-22-1745	09/22/2003	1745	10/05/2003	13	28
CHC1	CHC1-SW-09-22-2145	09/22/2003	2145	10/05/2003	13	28
CHC1 Field Dup	SW1264	09/22/2003	2145	10/05/2003	13	28
CHC1	CHC1-SW-09-23-0145	09/23/2003	0145	10/05/2003	12	28
CHC1	CHC1-SW-09-23-0545	09/23/2003	0545	10/05/2003	12	28
CHC1	CHC1-SW-09-23-0945	09/23/2003	0945	10/05/2003	12	28
CHC1	CHC1-SW-09-23-1345	09/23/2003	1345	10/06/2003	13	28
CHC1	CHC1-SW-09-23-1745	09/23/2003	1745	10/06/2003	13	28
CHC1	CHC1-SW-09-23-2145	09/23/2003	2145	10/06/2003	13	28
CHC1 Lab Dup	CHC1-SW-09-23-2145	09/23/2003	2145	10/06/2003	13	28
CHC1 MS	CHC1-SW-09-23-2145	09/23/2003	2145	10/06/2003	13	28
CHC1 MSD	CHC1-SW-09-23-2145	09/23/2003	2145	10/06/2003	13	28
CHC1	CHC1-SW-09-24-0145	09/24/2003	0145	10/06/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-09-24-0545	09/24/2003	0545	10/06/2003	12	28
CHC1	CHC1-SW-09-24-0945	09/24/2003	0945	10/06/2003	12	28
CHC1	CHC1-SW-09-24-1345	09/24/2003	1345	10/11/2003	17	28
CHC1	CHC1-SW-09-24-1745	09/24/2003	1745	10/11/2003	17	28
CHC1	CHC1-SW-09-24-2145	09/24/2003	2145	10/11/2003	17	28
CHC1	CHC1-SW-09-25-0145	09/25/2003	0145	10/11/2003	16	28
CHC1	CHC1-SW-09-25-0545	09/25/2003	0545	10/11/2003	16	28
CHC1	CHC1-SW-09-25-0945	09/25/2003	0945	10/11/2003	16	28
CHC1	CHC1-SW-09-25-1345	09/25/2003	1345	10/11/2003	16	28
CHC1	CHC1-SW-09-25-1745	09/25/2003	1745	10/11/2003	16	28
CHC1 Lab Dup	CHC1-SW-09-25-1745	09/25/2003	1745	10/11/2003	16	28
CHC1 MS	CHC1-SW-09-25-1745	09/25/2003	1745	10/11/2003	16	28
CHC1 MSD	CHC1-SW-09-25-1745	09/25/2003	1745	10/11/2003	16	28
CHC1	CHC1-SW-09-25-2145	09/25/2003	2145	10/11/2003	16	28
CHC1 Field Dup	SW1280	09/25/2003	2145	10/11/2003	16	28
CHC1	CHC1-SW-09-26-0145	09/26/2003	0145	10/11/2003	15	28
CHC1	CHC1-SW-09-26-0545	09/26/2003	0545	10/11/2003	15	28
CHC1	CHC1-SW-09-26-0945	09/26/2003	0945	10/11/2003	15	28
CHC1	CHC1-SW-09-26-1345	09/26/2003	1345	10/09/2003	13	28
CHC1	CHC1-SW-09-26-1745	09/26/2003	1745	10/09/2003	13	28
CHC1	CHC1-SW-09-26-2145	09/26/2003	2145	10/09/2003	13	28
CHC1	CHC1-SW-09-27-0145	09/27/2003	0145	10/09/2003	12	28
CHC1	CHC1-SW-09-27-0545	09/27/2003	0545	10/09/2003	12	28
CHC1 Field Dup	SW1295	09/27/2003	0545	10/09/2003	12	28
CHC1	CHC1-SW-09-27-0945	09/27/2003	0945	10/09/2003	12	28
CHC1	CHC1-SW-09-27-1345	09/27/2003	1345	10/09/2003	12	28
CHC1	CHC1-SW-09-27-1745	09/27/2003	1745	10/09/2003	12	28
CHC1	CHC1-SW-09-27-2145	09/27/2003	2145	10/09/2003	12	28
CHC1 Lab Dup	CHC1-SW-09-27-2145	09/27/2003	2145	10/10/2003	13	28
CHC1 MS	CHC1-SW-09-27-2145	09/27/2003	2145	10/10/2003	13	28
CHC1 MSD	CHC1-SW-09-27-2145	09/27/2003	2145	10/10/2003	13	28
CHC1	CHC1-SW-09-28-0145	09/28/2003	0145	10/10/2003	12	28
CHC1	CHC1-SW-09-28-0545	09/28/2003	0545	10/10/2003	12	28
CHC1	CHC1-SW-09-28-0945	09/28/2003	0945	10/10/2003	12	28
CHC1	CHC1-SW-09-28-1345	09/28/2003	1345	10/10/2003	12	28
CHC1	CHC1-SW-09-28-1745	09/28/2003	1745	10/10/2003	12	28
CHC1	CHC1-SW-09-28-2145	09/28/2003	2145	10/09/2003	11	28
CHC1	CHC1-SW-09-29-0145	09/29/2003	0145	10/09/2003	10	28
CHC1	CHC1-SW-09-29-0545	09/29/2003	0545	10/09/2003	10	28
CHC1	CHC1-SW-09-29-0945	09/29/2003	0945	10/09/2003	10	28
CHC1 Field Dup	SW1296	09/29/2003	0945	10/09/2003	10	28
CHC1	CHC1-SW-09-29-1345	09/29/2003	1345	10/14/2003	15	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
CHC1	CHC1-SW-09-29-1745	09/29/2003	1745	10/14/2003	15	28
CHC1	CHC1-SW-09-29-2145	09/29/2003	2145	10/14/2003	15	28
CHC1 Field Dup	SW1309	09/29/2003	2145	10/14/2003	15	28
CHC1	CHC1-SW-09-30-0145	09/30/2003	0145	10/14/2003	14	28
CHC1	CHC1-SW-09-30-0545	09/30/2003	0545	10/14/2003	14	28
CHC1	CHC1-SW-09-30-0945	09/30/2003	0945	10/14/2003	14	28
CHC1	CHC1-SW-09-30-1345	09/30/2003	1345	10/14/2003	14	28
CHC1	CHC1-SW-09-30-1745	09/30/2003	1745	10/14/2003	14	28
CHC1 Lab Dup	CHC1-SW-09-30-1745	09/30/2003	1745	10/14/2003	14	28
CHC1 MS	CHC1-SW-09-30-1745	09/30/2003	1745	10/14/2003	14	28
CHC1 MSD	CHC1-SW-09-30-1745	09/30/2003	1745	10/14/2003	14	28
CHC1	CHC1-SW-09-30-2145	09/30/2003	2145	10/14/2003	14	28
CHC1	CHC1-SW-10-01-0145	10/01/2003	0145	10/15/2003	14	28
CHC1	CHC1-SW-10-01-0545	10/01/2003	0545	10/15/2003	14	28
CHC1	CHC1-SW-10-01-0945	10/01/2003	0945	10/15/2003	14	28
Equipment Blank	ADCPT4-SW-1405-EB	12/17/2003	1405	12/31/2003	14	28
Equipment Blank	ADCPT5-SW-EB	09/23/2003	1400	10/04/2003	11	28
Equipment Blank	ADCPT7-SW-EB	09/24/2003	1105	10/07/2003	13	28
Equipment Blank	ADCPT11F1-SW-EB	12/10/2003	1646	12/30/2003	20	28
Equipment Blank	ADCPT12-SW-EB	09/24/2003	1330	10/04/2003	10	28
Equipment Blank	ADCPT14-SW-EB	09/24/2003	1420	10/07/2003	13	28
Equipment Blank	ADCPT17-SW-EB	09/24/2003	1515	10/07/2003	13	28
Equipment Blank	ADCPT20-SW-0920-EB	12/18/2003	0920	12/31/2003	13	28
Equipment Blank	ADCPT22-EB	12/10/2003	0000	12/30/2003	20	28
Equipment Blank	EB-1001	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	EB-1002	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	EB-1003	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	EB-1004	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	EB-1005	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	EB-1006	06/23/2003	0000	06/28/2003	5	28
Equipment Blank	LB3-SW-1.1-EB	06/12/2003	1115	06/17/2003	5	28
Equipment Blank	LB14-SW-0.3-EB	06/12/2003	1115	06/17/2003	5	28
Equipment Blank	LW2-SPW-EB	07/10/2003	0000	07/18/2003	8	28
Equipment Blank	LW3-SW-7.3-EB	06/26/2003	0910	07/02/2003	6	28
Equipment Blank	LW6-SPW-EB	07/10/2003	0000	07/18/2003	8	28
Equipment Blank	LW14-SW-2.6-EB	06/26/2003	0910	07/02/2003	6	28
GV	GV-SW-01-29-1106	01/29/2003	1106	02/03/2003	5	28
GV	GV-SW-03-17-1055	03/17/2003	1055	03/22/2003	5	28
GV	GV-SW-04-28-1215	04/28/2003	1215	04/30/2003	2	28
GV	GV-SW-05-30-1000	05/30/2003	1000	06/06/2003	7	28
GV Field Dup	SW1174	05/30/2003	1000	06/06/2003	7	28
GV	GV-SW-06-20-1030	06/20/2003	1030	06/25/2003	5	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
GV	GV-SW-07-28-1000	07/28/2003	1000	08/04/2003	7	28
GV	GV-SW-09-04-1055	09/04/2003	1055	09/16/2003	12	28
GV	GV-SW-09-30-0930	09/30/2003	0930	10/15/2003	15	28
GV	GV-SW-10-31-0920	10/31/2003	0920	11/07/2003	7	28
GV	GV-SW-12-15-1105	12/15/2003	1105	12/31/2003	16	28
HC1	HC1-SW-10-17-0658	10/17/2002	0658	10/18/2002	1	28
HC1	HC1-SW-18-10-0656	10/18/2002	0656	10/22/2002	4	28
HC1	HC1-SW-10-19-0659	10/19/2002	0659	10/23/2002	4	28
HC1 Lab Dup	HC1-SW-10-19-0659	10/19/2002	0659	10/23/2002	4	28
HC1 MS	HC1-SW-10-19-0659	10/19/2002	0659	10/23/2002	4	28
HC1 MSD	HC1-SW-10-19-0659	10/19/2002	0659	10/23/2002	4	28
HC1	HC1-SW-10-20-0659	10/20/2002	0659	10/23/2002	3	28
HC1	HC1-SW-10-21-0659	10/21/2002	0659	10/23/2002	2	28
HC1	HC1-SW-10-22-0656	10/22/2002	0656	10/24/2002	2	28
HC1	HC1-SW-10-23-0656	10/23/2002	0656	10/25/2002	2	28
HC1	HC1-SW-10-24-0656	10/24/2002	0656	10/26/2002	2	28
HC1 Lab Dup	HC1-SW-10-24-0656	10/24/2002	0656	10/26/2002	2	28
HC1 MS	HC1-SW-10-24-0656	10/24/2002	0656	10/26/2002	2	28
HC1 MSD	HC1-SW-10-24-0656	10/24/2002	0656	10/26/2002	2	28
HC1	HC1-SW-10-25-0656	10/25/2002	0656	10/28/2002	3	28
HC1	HC1-SW-10-26-0656	10/26/2002	0656	10/29/2002	3	28
HC1	HC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
HC1 Field Dup	SW1018	10/27/2002	0700	10/30/2002	3	28
HC1	HC1-SW-10-28-0659	10/28/2002	0659	10/31/2002	3	28
HC1 Field Dup	SW1021	10/28/2002	0659	10/31/2002	3	28
HC1	HC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
HC1 Lab Dup	HC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
HC1 MS	HC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
HC1 MSD	HC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
HC1	HC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
HC1 Lab Dup	HC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
HC1 MS	HC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
HC1 MSD	HC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
HC1	HC1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
HC1	HC1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
HC1	HC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
HC1 Field Dup	SW1030	11/21/2002	0700	11/23/2002	2	28
HC1	HC1-IDW-Composite	11/26/2002	1358	11/30/2002	4	28
HC1	HC1-IDW-Composite	11/26/2002	1358	11/30/2002	4	28
HC1	HC1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
HC1	HC1-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
HC1	HC1-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1	HC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
HC1 Lab Dup	HC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
HC1 MS	HC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
HC1 MSD	HC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
HC1	HC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
HC1 Field Dup	SW1044	01/30/2003	0700	02/03/2003	4	28
HC1	HC1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
HC1 Field Dup	SW1045	02/13/2003	0700	02/19/2003	6	28
HC1	HC1-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
HC1	HC1-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
HC1	HC1-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
HC1	HC1-SW-04-10-0910	04/10/2003	0910	04/15/2003	5	28
HC1	HC1-SW-04-24-0804	04/24/2003	0804	04/29/2003	5	28
HC1	HC1-SW-05-02-0908	05/02/2003	0908	05/14/2003	12	28
HC1	HC1-SW-05-02-1025	05/02/2003	1025	05/15/2003	13	28
HC1	HC1-SW-05-02-1425	05/02/2003	1425	05/15/2003	13	28
HC1	HC1-SW-05-02-1825	05/02/2003	1825	05/14/2003	12	28
HC1 Field Dup	SW1063	05/02/2003	1825	05/14/2003	12	28
HC1	HC1-SW-05-02-2225	05/02/2003	2225	05/11/2003	9	28
HC1 Field Dup	SW1064	05/02/2003	2225	05/11/2003	9	28
HC1	HC1-SW-05-03-0225	05/03/2003	0225	05/14/2003	11	28
HC1 Field Dup	SW1062	05/03/2003	0225	05/14/2003	11	28
HC1	HC1-SW-05-03-0625	05/03/2003	0625	05/07/2003	4	28
HC1	HC1-SW-05-03-1025	05/03/2003	1025	05/07/2003	4	28
HC1	HC1-SW-05-03-1425	05/03/2003	1425	05/07/2003	4	28
HC1	HC1-SW-05-03-1825	05/03/2003	1825	05/15/2003	12	28
HC1	HC1-SW-05-03-2225	05/03/2003	2225	05/11/2003	8	28
HC1	HC1-SW-05-04-0225	05/04/2003	0225	05/07/2003	3	28
HC1	HC1-SW-05-04-0625	05/04/2003	0625	05/15/2003	11	28
HC1	HC1-SW-05-04-1025	05/04/2003	1025	05/07/2003	3	28
HC1	HC1-SW-05-04-1425	05/04/2003	1425	05/14/2003	10	28
HC1	HC1-SW-05-04-1825	05/04/2003	1825	05/07/2003	3	28
HC1	HC1-SW-05-04-2225	05/04/2003	2225	05/15/2003	11	28
HC1	HC1-SW-05-05-0225	05/05/2003	0225	05/11/2003	6	28
HC1	HC1-SW-05-05-0625	05/05/2003	0625	05/11/2003	6	28
HC1	HC1-SW-05-05-1025	05/05/2003	1025	05/13/2003	8	28
HC1	HC1-SW-05-05-1425	05/05/2003	1425	05/13/2003	8	28
HC1	HC1-SW-05-05-1825	05/05/2003	1825	05/13/2003	8	28
HC1	HC1-SW-05-05-2225	05/05/2003	2225	05/26/2003	21	28
HC1	HC1-SW-05-06-0225	05/06/2003	0225	05/23/2003	17	28
HC1	HC1-SW-05-06-0625	05/06/2003	0625	05/23/2003	17	28
HC1	HC1-SW-05-06-1025	05/06/2003	1025	05/13/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1 Lab Dup	HC1-SW-05-06-1025	05/06/2003	1025	05/23/2003	17	28
HC1 MS	HC1-SW-05-06-1025	05/06/2003	1025	05/23/2003	17	28
HC1 MSD	HC1-SW-05-06-1025	05/06/2003	1025	05/23/2003	17	28
HC1	HC1-SW-05-06-1025	05/06/2003	1025	05/13/2003	7	28
HC1 Lab Dup	HC1-SW-05-06-1025	05/06/2003	1025	05/13/2003	7	28
HC1 MS	HC1-SW-05-06-1025	05/06/2003	1025	05/13/2003	7	28
HC1 MSD	HC1-SW-05-06-1025	05/06/2003	1025	05/13/2003	7	28
HC1	HC1-SW-05-06-1425	05/06/2003	1425	05/23/2003	17	28
HC1	HC1-SW-05-06-1825	05/06/2003	1825	05/23/2003	17	28
HC1	HC1-SW-05-06-2225	05/06/2003	2225	05/23/2003	17	28
HC1 Field Dup	SW1089	05/06/2003	2225	05/23/2003	17	28
HC1	HC1-SW-05-07-0225	05/07/2003	0225	05/23/2003	16	28
HC1	HC1-SW-05-07-0625	05/07/2003	0625	05/23/2003	16	28
HC1	HC1-SW-05-07-1025	05/07/2003	1025	06/02/2003	26	28
HC1	HC1-SW-05-07-1425	05/07/2003	1425	06/02/2003	26	28
HC1	HC1-SW-05-07-1825	05/07/2003	1825	06/02/2003	26	28
HC1	HC1-SW-05-07-2225	05/07/2003	2225	06/02/2003	26	28
HC1	HC1-SW-05-08-0225	05/08/2003	0225	06/02/2003	25	28
HC1	HC1-SW-05-08-0625	05/08/2003	0625	06/02/2003	25	28
HC1 Field Dup	SW1106	05/08/2003	0625	06/02/2003	25	28
HC1	HC1-SW-05-08-1025	05/08/2003	1025	06/02/2003	25	28
HC1	HC1-SW-05-08-1425	05/08/2003	1425	06/02/2003	25	28
HC1	HC1-SW-05-08-1825	05/08/2003	1825	06/02/2003	25	28
HC1	HC1-SW-05-08-2225	05/08/2003	2225	06/02/2003	25	28
HC1	HC1-SW-05-09-0225	05/09/2003	0225	06/02/2003	24	28
HC1	HC1-SW-05-09-0625	05/09/2003	0625	06/02/2003	24	28
HC1	HC1-SW-05-09-1025	05/09/2003	1025	05/21/2003	12	28
HC1 Lab Dup	HC1-SW-05-09-1025	05/09/2003	1025	05/21/2003	12	28
HC1	HC1-SW-05-09-1425	05/09/2003	1425	05/21/2003	12	28
HC1	HC1-SW-05-09-1825	05/09/2003	1825	05/21/2003	12	28
HC1	HC1-SW-05-09-2225	05/09/2003	2225	05/21/2003	12	28
HC1	HC1-SW-05-10-0225	05/10/2003	0225	05/21/2003	11	28
HC1	HC1-SW-05-10-0625	05/10/2003	0625	05/21/2003	11	28
HC1 Field Dup	SW1124	05/10/2003	0625	05/21/2003	11	28
HC1	HC1-SW-05-10-1025	05/10/2003	1025	05/21/2003	11	28
HC1	HC1-SW-05-10-1425	05/10/2003	1425	05/21/2003	11	28
HC1	HC1-SW-05-10-1825	05/10/2003	1825	05/21/2003	11	28
HC1	HC1-SW-05-10-2225	05/10/2003	2225	05/21/2003	11	28
HC1	HC1-SW-05-11-0225	05/11/2003	0225	05/21/2003	10	28
HC1	HC1-SW-05-11-0625	05/11/2003	0625	05/21/2003	10	28
HC1	HC1-SW-05-11-1025	05/11/2003	1025	05/21/2003	10	28
HC1	HC1-SW-05-11-1425	05/11/2003	1425	05/21/2003	10	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1	HC1-SW-05-11-1825	05/11/2003	1825	05/21/2003	10	28
HC1	HC1-SW-05-11-2225	05/11/2003	2225	05/21/2003	10	28
HC1 Field Dup	SW1125	05/11/2003	2225	05/21/2003	10	28
HC1	HC1-SW-05-012-0225	05/12/2003	0225	05/21/2003	9	28
HC1	HC1-SW-05-012-0625	05/12/2003	0625	05/21/2003	9	28
HC1	HC1-SW-05-12-1025	05/12/2003	1025	06/07/2003	26	28
HC1 Lab Dup	HC1-SW-05-12-1025	05/12/2003	1025	06/07/2003	26	28
HC1 MS	HC1-SW-05-12-1025	05/12/2003	1025	06/07/2003	26	28
HC1 MSD	HC1-SW-05-12-1025	05/12/2003	1025	06/07/2003	26	28
HC1	HC1-SW-05-12-1425	05/12/2003	1425	06/08/2003	27	28
HC1	HC1-SW-05-12-1825	05/12/2003	1825	06/10/2003	29	28
HC1 Field Dup	SW1145	05/12/2003	2225	06/07/2003	26	28
HC1	HC1-SW-05-12-2225	05/12/2003	2225	06/10/2003	29	28
HC1	HC1-SW-05-13-0225	05/13/2003	0225	06/07/2003	25	28
HC1	HC1-SW-05-13-0625	05/13/2003	0625	06/07/2003	25	28
HC1	HC1-SW-05-13-1025	05/13/2003	1025	06/07/2003	25	28
HC1	HC1-SW-05-13-1425	05/13/2003	1425	06/07/2003	25	28
HC1	HC1-SW-05-13-1825	05/13/2003	1825	06/07/2003	25	28
HC1	HC1-SW-05-13-2225	05/13/2003	2225	06/07/2003	25	28
HC1	HC1-SW-05-14-0225	05/14/2003	0225	06/07/2003	24	28
HC1	HC1-SW-05-14-0625	05/14/2003	0625	06/07/2003	24	28
HC1	HC1-SW-05-14-1025	05/14/2003	1025	05/25/2003	11	28
HC1 Lab Dup	HC1-SW-05-14-1025	05/14/2003	1025	05/25/2003	11	28
HC1 MS	HC1-SW-05-14-1025	05/14/2003	1025	05/25/2003	11	28
HC1 MSD	HC1-SW-05-14-1025	05/14/2003	1025	05/25/2003	11	28
HC1	HC1-SW-05-14-1425	05/14/2003	1425	05/25/2003	11	28
HC1	HC1-SW-05-14-1825	05/14/2003	1825	05/25/2003	11	28
HC1	HC1-SW-05-14-2225	05/14/2003	2225	05/25/2003	11	28
HC1 Field Dup	SW1160	05/14/2003	2225	05/25/2003	11	28
HC1	HC1-SW-05-15-0225	05/15/2003	0225	05/25/2003	10	28
HC1	HC1-SW-05-15-0625	05/15/2003	0625	05/25/2003	10	28
HC1	HC1-SW-05-15-1025	05/15/2003	1025	05/25/2003	10	28
HC1	HC1-SW-05-15-1425	05/15/2003	1425	05/25/2003	10	28
HC1	HC1-SW-05-15-1825	05/15/2003	1825	05/25/2003	10	28
HC1	HC1-SW-05-15-2225	05/15/2003	2225	05/25/2003	10	28
HC1	HC1-SW-05-16-0225	05/16/2003	0225	05/25/2003	9	28
HC1	HC1-SW-05-16-0625	05/16/2003	0625	05/25/2003	9	28
HC1	HC1-SW-05-22-0835	05/22/2003	0835	05/30/2003	8	28
HC1	HC1-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
HC1	HC1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
HC1	HC1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
HC1 Lab Dup	HC1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1 MS	HC1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
HC1 MSD	HC1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
HC1	HC1-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
HC1 Field Dup	SW1182	07/17/2003	0700	07/24/2003	7	28
HC1	HC1-SW-07-31-0700	07/31/2003	0700	08/05/2003	5	28
HC1 Field Dup	SW1184	07/31/2003	0700	08/05/2003	5	28
HC1	HC1-SW-08-14-0700	08/14/2003	0700	08/22/2003	8	28
HC1	HC1-SW-08-28-0700	08/28/2003	0700	09/04/2003	7	28
HC1	HC1-SW-09-11-0825	09/11/2003	0825	09/16/2003	5	28
HC1 Field Dup	SW1190	09/11/2003	0825	09/16/2003	5	28
HC1 Lab Dup	HC1-SW-09-11-0825	09/11/2003	0825	09/16/2003	5	28
HC1 MS	HC1-SW-09-11-0825	09/11/2003	0825	09/16/2003	5	28
HC1 MSD	HC1-SW-09-11-0825	09/11/2003	0825	09/16/2003	5	28
HC1	HC1-SW-09-12-0841	09/12/2003	0841	09/20/2003	8	28
HC1	HC1-SW-09-12-1241	09/12/2003	1241	09/20/2003	8	28
HC1	HC1-SW-09-12-1641	09/12/2003	1641	09/20/2003	8	28
HC1 Field Dup	SW1192	09/12/2003	1641	09/20/2003	8	28
HC1	HC1-SW-09-12-2041	09/12/2003	2041	09/20/2003	8	28
HC1	HC1-SW-09-13-0041	09/13/2003	0041	09/20/2003	7	28
HC1	HC1-SW-09-13-0441	09/13/2003	0441	09/20/2003	7	28
HC1	HC1-SW-09-13-0841	09/13/2003	0841	09/20/2003	7	28
HC1	HC1-SW-09-13-1241	09/13/2003	1241	09/20/2003	7	28
HC1	HC1-SW-09-13-1641	09/13/2003	1641	09/20/2003	7	28
HC1	HC1-SW-09-13-2041	09/13/2003	2041	09/20/2003	7	28
HC1	HC1-SW-09-14-0041	09/14/2003	0041	09/20/2003	6	28
HC1	HC1-SW-09-14-0441	09/14/2003	0441	09/20/2003	6	28
HC1	HC1-SW-09-14-0841	09/14/2003	0841	09/20/2003	6	28
HC1 Field Dup	SW1193	09/14/2003	0841	09/20/2003	6	28
HC1	HC1-SW-09-14-1241	09/14/2003	1241	09/20/2003	6	28
HC1	HC1-SW-09-14-1641	09/14/2003	1641	09/20/2003	6	28
HC1	HC1-SW-09-14-2041	09/14/2003	2041	09/20/2003	6	28
HC1	HC1-SW-09-15-0041	09/15/2003	0041	09/20/2003	5	28
HC1	HC1-SW-09-15-0441	09/15/2003	0441	09/20/2003	5	28
HC1 Lab Dup	HC1-SW-09-15-0441	09/15/2003	0441	09/20/2003	5	28
HC1 MS	HC1-SW-09-15-0441	09/15/2003	0441	09/20/2003	5	28
HC1 MSD	HC1-SW-09-15-0441	09/15/2003	0441	09/20/2003	5	28
HC1	HC1-SW-09-15-0841	09/15/2003	0841	09/20/2003	5	28
HC1	HC1-SW-09-15-1241	09/15/2003	1241	09/23/2003	8	28
HC1	HC1-SW-09-15-1641	09/15/2003	1641	09/23/2003	8	28
HC1 Lab Dup	HC1-SW-09-15-1641	09/15/2003	1641	09/23/2003	8	28
HC1 MS	HC1-SW-09-15-1641	09/15/2003	1641	09/23/2003	8	28
HC1 MSD	HC1-SW-09-15-1641	09/15/2003	1641	09/23/2003	8	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1	HC1-SW-09-15-2041	09/15/2003	2041	09/23/2003	8	28
HC1	HC1-SW-09-16-0041	09/16/2003	0041	09/23/2003	7	28
HC1	HC1-SW-09-16-0441	09/16/2003	0441	09/23/2003	7	28
HC1	HC1-SW-09-16-0841	09/16/2003	0841	09/23/2003	7	28
HC1	HC1-SW-09-16-1241	09/16/2003	1241	09/23/2003	7	28
HC1	HC1-SW-09-16-1641	09/16/2003	1641	09/23/2003	7	28
HC1 Field Dup	SW1208	09/16/2003	1641	09/23/2003	7	28
HC1	HC1-SW-09-16-2041	09/16/2003	2041	09/23/2003	7	28
HC1	HC1-SW-09-17-0041	09/17/2003	0041	09/24/2003	7	28
HC1	HC1-SW-09-17-0441	09/17/2003	0441	09/24/2003	7	28
HC1	HC1-SW-09-17-0841	09/17/2003	0841	09/24/2003	7	28
HC1	HC1-SW-09-17-1241	09/17/2003	1241	09/24/2003	7	28
HC1	HC1-SW-09-17-1641	09/17/2003	1641	09/24/2003	7	28
HC1	HC1-SW-09-17-2041	09/17/2003	2041	09/24/2003	7	28
HC1 Field Dup	SW1219	09/17/2003	2041	09/24/2003	7	28
HC1	HC1-SW-09-18-0041	09/18/2003	0041	09/24/2003	6	28
HC1	HC1-SW-09-18-0441	09/18/2003	0441	09/24/2003	6	28
HC1	HC1-SW-09-18-0841	09/18/2003	0841	09/24/2003	6	28
HC1	HC1-SW-09-18-1241	09/18/2003	1241	09/24/2003	6	28
HC1	HC1-SW-09-18-1641	09/18/2003	1641	09/24/2003	6	28
HC1 Lab Dup	HC1-SW-09-18-1641	09/18/2003	1641	09/24/2003	6	28
HC1 MS	HC1-SW-09-18-1641	09/18/2003	1641	09/24/2003	6	28
HC1 MSD	HC1-SW-09-18-1641	09/18/2003	1641	09/24/2003	6	28
HC1	HC1-SW-09-18-2041	09/18/2003	2041	09/24/2003	6	28
HC1	HC1-SW-09-19-0041	09/19/2003	0041	09/24/2003	5	28
HC1	HC1-SW-09-19-0441	09/19/2003	0441	09/24/2003	5	28
HC1	HC1-SW-09-19-0841	09/19/2003	0841	09/24/2003	5	28
HC1	HC1-SW-09-19-1241	09/19/2003	1241	10/03/2003	14	28
HC1	HC1-SW-09-19-1641	09/19/2003	1641	10/03/2003	14	28
HC1 Lab Dup	HC1-SW-09-19-1641	09/19/2003	1641	10/03/2003	14	28
HC1 MS	HC1-SW-09-19-1641	09/19/2003	1641	10/03/2003	14	28
HC1 MSD	HC1-SW-09-19-1641	09/19/2003	1641	10/03/2003	14	28
HC1	HC1-SW-09-19-2041	09/19/2003	2041	10/03/2003	14	28
HC1	HC1-SW-09-20-0041	09/20/2003	0041	10/03/2003	13	28
HC1	HC1-SW-09-20-0441	09/20/2003	0441	10/03/2003	13	28
HC1	HC1-SW-09-20-0841	09/20/2003	0841	10/03/2003	13	28
HC1	HC1-SW-09-20-1241	09/20/2003	1241	10/03/2003	13	28
HC1 Field Dup	SW1235	09/20/2003	1241	10/03/2003	13	28
HC1	HC1-SW-09-20-1641	09/20/2003	1641	10/03/2003	13	28
HC1	HC1-SW-09-20-2041	09/20/2003	2041	10/03/2003	13	28
HC1	HC1-SW-09-21-0041	09/21/2003	0041	10/03/2003	12	28
HC1	HC1-SW-09-21-0441	09/21/2003	0441	10/03/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1	HC1-SW-09-21-0841	09/21/2003	0841	10/03/2003	12	28
HC1	HC1-SW-09-21-1241	09/21/2003	1241	10/03/2003	12	28
HC1	HC1-SW-09-21-1641	09/21/2003	1641	10/03/2003	12	28
HC1	HC1-SW-09-21-2041	09/21/2003	2041	10/03/2003	12	28
HC1	HC1-SW-09-22-0041	09/22/2003	0041	10/03/2003	11	28
HC1	HC1-SW-09-22-0441	09/22/2003	0441	10/03/2003	11	28
HC1 Field Dup	SW1236	09/22/2003	0441	10/03/2003	11	28
HC1	HC1-SW-09-22-0841	09/22/2003	0841	10/03/2003	11	28
HC1	HC1-SW-09-22-1241	09/22/2003	1241	10/09/2003	17	28
HC1	HC1-SW-09-22-1641	09/22/2003	1641	10/09/2003	17	28
HC1	HC1-SW-09-22-2041	09/22/2003	2041	10/09/2003	17	28
HC1	HC1-SW-09-23-0041	09/23/2003	0041	10/09/2003	16	28
HC1	HC1-SW-09-23-0841	09/23/2003	0841	10/09/2003	16	28
HC1	HC1-SW-09-23-1241	09/23/2003	1241	10/09/2003	16	28
HC1	HC1-SW-09-23-1641	09/23/2003	1641	10/09/2003	16	28
HC1 Field Dup	SW1260	09/23/2003	1641	10/09/2003	16	28
HC1	HC1-SW-09-23-2041	09/23/2003	2041	10/09/2003	16	28
HC1	HC1-SW-09-24-0041	09/24/2003	0041	10/09/2003	15	28
HC1	HC1-SW-09-24-0441	09/24/2003	0441	10/09/2003	15	28
HC1	HC1-SW-09-24-0841	09/24/2003	0841	10/09/2003	15	28
HC1	HC1-SW-09-24-1241	09/24/2003	1241	10/16/2003	22	28
HC1	HC1-SW-09-24-1641	09/24/2003	1641	10/16/2003	22	28
HC1	HC1-SW-09-24-2041	09/24/2003	2041	10/16/2003	22	28
HC1	HC1-SW-09-25-0041	09/25/2003	0041	10/16/2003	21	28
HC1	HC1-SW-09-25-0441	09/25/2003	0441	10/16/2003	21	28
HC1 Lab Dup	HC1-SW-09-25-0441	09/25/2003	0441	10/16/2003	21	28
HC1 MS	HC1-SW-09-25-0441	09/25/2003	0441	10/16/2003	21	28
HC1 MSD	HC1-SW-09-25-0441	09/25/2003	0441	10/16/2003	21	28
HC1	HC1-SW-09-25-0841	09/25/2003	0841	10/16/2003	21	28
HC1 Field Dup	SW1273	09/25/2003	0841	10/16/2003	21	28
HC1	HC1-SW-09-25-1241	09/25/2003	1241	10/16/2003	21	28
HC1	HC1-SW-09-25-1641	09/25/2003	1641	10/16/2003	21	28
HC1	HC1-SW-09-25-2041	09/25/2003	2041	10/17/2003	22	28
HC1	HC1-SW-09-26-0041	09/26/2003	0041	10/17/2003	21	28
HC1	HC1-SW-09-26-0441	09/26/2003	0441	10/17/2003	21	28
HC1	HC1-SW-09-26-0841	09/26/2003	0841	10/17/2003	21	28
HC1	HC1-SW-09-26-1241	09/26/2003	1241	10/08/2003	12	28
HC1	HC1-SW-09-26-1641	09/26/2003	1641	10/08/2003	12	28
HC1	HC1-SW-09-26-2041	09/26/2003	2041	10/08/2003	12	28
HC1	HC1-SW-09-27-0041	09/27/2003	0041	10/08/2003	11	28
HC1 Field Dup	SW1289	09/27/2003	0041	10/08/2003	11	28
HC1	HC1-SW-09-27-0441	09/27/2003	0441	10/08/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC1	HC1-SW-09-27-0841	09/27/2003	0841	10/08/2003	11	28
HC1	HC1-SW-09-27-1241	09/27/2003	1241	10/08/2003	11	28
HC1	HC1-SW-09-27-1641	09/27/2003	1641	10/08/2003	11	28
HC1	HC1-SW-09-27-2041	09/27/2003	2041	10/08/2003	11	28
HC1	HC1-SW-09-28-0041	09/28/2003	0041	10/08/2003	10	28
HC1	HC1-SW-09-28-0441	09/28/2003	0441	10/08/2003	10	28
HC1	HC1-SW-09-28-0841	09/28/2003	0841	10/08/2003	10	28
HC1	HC1-SW-09-28-1241	09/28/2003	1241	10/08/2003	10	28
HC1	HC1-SW-09-28-1641	09/28/2003	1641	10/08/2003	10	28
HC1 Field Dup	SW1290	09/28/2003	1641	10/08/2003	10	28
HC1	HC1-SW-09-28-2041	09/28/2003	2041	10/08/2003	10	28
HC1	HC1-SW-09-29-0041	09/29/2003	0041	10/08/2003	9	28
HC1	HC1-SW-09-29-0441	09/29/2003	0441	10/08/2003	9	28
HC1	HC1-SW-09-29-0841	09/29/2003	0841	10/08/2003	9	28
HC1	HC1-SW-09-29-1241	09/29/2003	1241	10/13/2003	14	28
HC1	HC1-SW-09-29-1641	09/29/2003	1641	10/13/2003	14	28
HC1	HC1-SW-09-29-2041	09/29/2003	2041	10/13/2003	14	28
HC1	HC1-SW-09-30-0041	09/30/2003	0041	10/13/2003	13	28
HC1	HC1-SW-09-30-0441	09/30/2003	0441	10/13/2003	13	28
HC1	HC1-SW-09-30-0841	09/30/2003	0841	10/13/2003	13	28
HC1 Field Dup	SW1305	09/30/2003	0841	10/13/2003	13	28
HC1	HC1-SW-09-30-1241	09/30/2003	1241	10/13/2003	13	28
HC1	HC1-SW-09-30-1641	09/30/2003	1641	10/14/2003	14	28
HC1	HC1-SW-09-30-2041	09/30/2003	2041	10/14/2003	14	28
HC1	HC1-SW-10-01-0041	10/01/2003	0041	10/14/2003	13	28
HC1	HC1-SW-10-01-0441	10/01/2003	0441	10/14/2003	13	28
HC1	HC1-SW-10-01-0841	10/01/2003	0841	10/14/2003	13	28
HC2	HC2-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
HC2	HC2-SW-18-10-0700	10/18/2002	0700	10/22/2002	4	28
HC2	HC2-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
HC2 Field Dup	SW1007	10/19/2002	0700	10/24/2002	5	28
HC2	HC2-SW-10-20-0700	10/20/2002	0700	10/23/2002	3	28
HC2	HC2-SW-10-21-0700	10/21/2002	0700	10/23/2002	2	28
HC2	HC2-SW-10-22-0701	10/22/2002	0701	10/24/2002	2	28
HC2	HC2-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
HC2 Field Dup	SW1011	10/23/2002	0700	10/25/2002	2	28
HC2	HC2-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
HC2	HC2-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
HC2	HC2-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
HC2 Field Dup	SW1017	10/26/2002	0700	10/30/2002	4	28
HC2	HC2-SW-10-27-0701	10/27/2002	0701	10/30/2002	3	28
HC2	HC2-SW-10-28-0701	10/28/2002	0701	11/03/2002	6	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
HC2	HC2-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
HC2	HC2-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
HC2 Lab Dup	HC2-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
HC2 MS	HC2-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
HC2 MSD	HC2-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
HC2	HC2-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
HC2	HC2-SW-11-21-0701	11/21/2002	0701	11/23/2002	2	28
HC2	HC2-IDW-Composite	11/26/2002	1550	11/29/2002	3	28
HC2	HC2-IDW-Composite	11/26/2002	1550	11/29/2002	3	28
HC2	HC2-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
HC2 Lab Dup	HC2-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
HC2 MS	HC2-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
HC2 MSD	HC2-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
HC2	HC2-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
HC2	HC2-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
HC2	HC2-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
HC2	HC2-SW-01-30-0702	01/30/2003	0702	02/03/2003	4	28
HC2	HC2-SW-02-13-0702	02/13/2003	0702	02/19/2003	6	28
HC2	HC2-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
HC2 Field Dup	SW1050	03/13/2003	0700	03/21/2003	8	28
HC2	HC2-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
HC2	HC2-SW-04-10-0850	04/10/2003	0850	04/15/2003	5	28
HC2	HC2-SW-04-24-0749	04/24/2003	0749	04/29/2003	5	28
HC2	HC2-SW-05-01-2018	05/01/2003	2018	05/03/2003	2	28
HC2 Lab Dup	HC2-SW-05-01-2018	05/01/2003	2018	05/03/2003	2	28
HC2 MS	HC2-SW-05-01-2018	05/01/2003	2018	05/03/2003	2	28
HC2 MSD	HC2-SW-05-01-2018	05/01/2003	2018	05/03/2003	2	28
HC2	HC2-SW-05-02-0008	05/02/2003	0008	05/03/2003	1	28
HC2	HC2-SW-05-02-0408	05/02/2003	0408	05/03/2003	1	28
HC2	HC2-SW-05-02-1208	05/02/2003	1208	05/14/2003	12	28
HC2	HC2-SW-05-02-1608	05/02/2003	1608	05/14/2003	12	28
HC2	HC2-SW-05-02-2008	05/02/2003	2008	05/15/2003	13	28
HC2	HC2-SW-05-03-0008	05/03/2003	0008	05/15/2003	12	28
HC2	HC2-SW-05-03-0408	05/03/2003	0408	05/08/2003	5	28
HC2	HC2-SW-05-03-0808	05/03/2003	0808	05/15/2003	12	28
HC2	HC2-SW-05-03-1208	05/03/2003	1208	05/15/2003	12	28
HC2	HC2-SW-05-03-1608	05/03/2003	1608	05/15/2003	12	28
HC2 Field Dup	SW1068	05/03/2003	1608	05/15/2003	12	28
HC2	HC2-SW-05-03-2008	05/03/2003	2008	05/15/2003	12	28
HC2	HC2-SW-05-04-0008	05/04/2003	0008	05/14/2003	10	28
HC2	HC2-SW-05-04-0408	05/04/2003	0408	05/07/2003	3	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-05-04-0808	05/04/2003	0808	05/14/2003	10	28
HC2	HC2-SW-05-04-1608	05/04/2003	1608	05/14/2003	10	28
HC2	HC2-SW-05-04-1608	05/04/2003	1608	05/14/2003	10	28
HC2	HC2-SW-05-04-2008	05/04/2003	2008	05/14/2003	10	28
HC2 Field Dup	SW1070	05/04/2003	2008	05/14/2003	10	28
HC2	HC2-SW-05-05-0008	05/05/2003	0008	05/14/2003	9	28
HC2	HC2-SW-05-05-0408	05/05/2003	0408	05/14/2003	9	28
HC2	HC2-SW-05-05-0808	05/05/2003	0808	05/13/2003	8	28
HC2 Lab Dup	HC2-SW-05-05-0808	05/05/2003	0808	05/13/2003	8	28
HC2 MS	HC2-SW-05-05-0808	05/05/2003	0808	05/13/2003	8	28
HC2 MSD	HC2-SW-05-05-0808	05/05/2003	0808	05/13/2003	8	28
HC2	HC2-SW-05-05-1208	05/05/2003	1208	05/13/2003	8	28
HC2 Field Dup	SW1087	05/05/2003	1208	05/13/2003	8	28
HC2	HC2-SW-05-05-1608	05/05/2003	1608	05/13/2003	8	28
HC2	HC2-SW-05-05-2008	05/05/2003	2008	05/13/2003	8	28
HC2	HC2-SW-05-06-0008	05/06/2003	0008	05/13/2003	7	28
HC2	HC2-SW-05-06-0408	05/06/2003	0408	05/13/2003	7	28
HC2	HC2-SW-05-06-0808	05/06/2003	0808	05/13/2003	7	28
HC2	HC2-SW-05-06-1208	05/06/2003	1208	05/13/2003	7	28
HC2	HC2-SW-05-06-1608	05/06/2003	1608	05/13/2003	7	28
HC2	HC2-SW-05-06-2008	05/06/2003	2008	05/13/2003	7	28
HC2	HC2-SW-05-07-0008	05/07/2003	0008	05/13/2003	6	28
HC2	HC2-SW-05-07-0408	05/07/2003	0408	05/13/2003	6	28
HC2 Field Dup	SW1088	05/07/2003	0408	05/13/2003	6	28
HC2	HC2-SW-05-07-0604	05/07/2003	0604	05/13/2003	6	28
HC2	HC2-SW-05-07-09-0808	05/07/2003	0808	05/22/2003	15	28
HC2	HC2-SW-05-07-0819	05/07/2003	0819	05/22/2003	15	28
HC2	HC2-SW-05-07-0822	05/07/2003	0822	05/22/2003	15	28
HC2	HC2-SW-05-07-1222	05/07/2003	1222	05/22/2003	15	28
HC2	HC2-SW-05-07-1622	05/07/2003	1622	05/22/2003	15	28
HC2	HC2-SW-05-07-2022	05/07/2003	2022	05/22/2003	15	28
HC2	HC2-SW-05-08-0022	05/08/2003	0022	05/21/2003	13	28
HC2 Lab Dup	HC2-SW-05-08-0022	05/08/2003	0022	05/21/2003	13	28
HC2 MS	HC2-SW-05-08-0022	05/08/2003	0022	05/22/2003	14	28
HC2 MSD	HC2-SW-05-08-0022	05/08/2003	0022	05/22/2003	14	28
HC2	HC2-SW-05-08-0422	05/08/2003	0422	05/22/2003	14	28
HC2	HC2-SW-05-08-0822	05/08/2003	0822	05/22/2003	14	28
HC2	HC2-SW-05-08-1222	05/08/2003	1222	05/22/2003	14	28
HC2 Field Dup	SW1105	05/08/2003	1222	05/22/2003	14	28
HC2	HC2-SW-05-08-1622	05/08/2003	1622	05/22/2003	14	28
HC2	HC2-SW-05-08-2022	05/08/2003	2022	05/22/2003	14	28
HC2	HC2-SW-05-09-0022	05/09/2003	0022	05/22/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-05-09-0422	05/09/2003	0422	05/22/2003	13	28
HC2	HC2-SW-05-09-0822	05/09/2003	0822	06/04/2003	26	28
HC2 Lab Dup	HC2-SW-05-09-0822	05/09/2003	0822	06/04/2003	26	28
HC2 MS	HC2-SW-05-09-0822	05/09/2003	0822	06/04/2003	26	28
HC2 MSD	HC2-SW-05-09-0822	05/09/2003	0822	06/04/2003	26	28
HC2	HC2-SW-05-09-1222	05/09/2003	1222	06/04/2003	26	28
HC2	HC2-SW-05-09-1622	05/09/2003	1622	06/04/2003	26	28
HC2	HC2-SW-05-09-2022	05/09/2003	2022	06/04/2003	26	28
HC2 Field Dup	SW1122	05/09/2003	2022	06/04/2003	26	28
HC2	HC2-SW-05-10-0022	05/10/2003	0022	06/04/2003	25	28
HC2	HC2-SW-05-10-0422	05/10/2003	0422	06/07/2003	28	28
HC2	HC2-SW-05-10-0822	05/10/2003	0822	06/07/2003	28	28
HC2	HC2-SW-05-10-1222	05/10/2003	1222	06/07/2003	28	28
HC2	HC2-SW-05-10-1622	05/10/2003	1622	06/07/2003	28	28
HC2	HC2-SW-05-10-2022	05/10/2003	2022	06/07/2003	28	28
HC2	HC2-SW-05-11-0022	05/11/2003	0022	06/07/2003	27	28
HC2 Lab Dup	HC2-SW-05-11-0022	05/11/2003	0022	06/07/2003	27	28
HC2 MS	HC2-SW-05-11-0022	05/11/2003	0022	06/07/2003	27	28
HC2 MSD	HC2-SW-05-11-0022	05/11/2003	0022	06/07/2003	27	28
HC2	HC2-SW-05-11-0422	05/11/2003	0422	06/07/2003	27	28
HC2	HC2-SW-05-11-0822	05/11/2003	0822	06/07/2003	27	28
HC2	HC2-SW-05-11-1222	05/11/2003	1222	06/07/2003	27	28
HC2 Field Dup	SW1123	05/11/2003	1222	06/07/2003	27	28
HC2	HC2-SW-05-11-1622	05/11/2003	1622	06/07/2003	27	28
HC2	HC2-SW-05-11-2022	05/11/2003	2022	06/07/2003	27	28
HC2	HC2-SW-05-12-0022	05/12/2003	0022	06/07/2003	26	28
HC2	HC2-SW-05-12-0422	05/12/2003	0422	06/07/2003	26	28
HC2	HC2-SW-05-12-0822	05/12/2003	0822	06/08/2003	27	28
HC2	HC2-SW-05-12-1222	05/12/2003	1222	06/08/2003	27	28
HC2	HC2-SW-05-12-1622	05/12/2003	1622	06/08/2003	27	28
HC2	HC2-SW-05-12-2022	05/12/2003	2022	06/08/2003	27	28
HC2	HC2-SW-05-13-0022	05/13/2003	0022	06/08/2003	26	28
HC2	HC2-SW-05-13-0422	05/13/2003	0422	06/08/2003	26	28
HC2 Field Dup	SW1144	05/13/2003	0422	06/08/2003	26	28
HC2	HC2-SW-05-13-0822	05/13/2003	0822	06/08/2003	26	28
HC2	HC2-SW-05-13-1222	05/13/2003	1222	06/08/2003	26	28
HC2	HC2-SW-05-13-1622	05/13/2003	1622	06/08/2003	26	28
HC2	HC2-SW-05-13-2022	05/13/2003	2022	06/08/2003	26	28
HC2	HC2-SW-05-14-0022	05/14/2003	0022	06/08/2003	25	28
HC2	HC2-SW-05-14-0422	05/14/2003	0422	06/08/2003	25	28
HC2	HC2-SW-05-14-0822	05/14/2003	0822	05/26/2003	12	28
HC2	HC2-SW-05-14-1222	05/14/2003	1222	05/26/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-05-14-1622	05/14/2003	1622	05/26/2003	12	28
HC2	HC2-SW-05-14-2022	05/14/2003	2022	05/26/2003	12	28
HC2	HC2-SW-05-15-0022	05/15/2003	0022	05/26/2003	11	28
HC2 Field Dup	SW1159	05/15/2003	0422	05/25/2003	10	28
HC2	HC2-SW-05-15-0422	05/15/2003	0422	05/26/2003	11	28
HC2	HC2-SW-05-15-0822	05/15/2003	0822	05/25/2003	10	28
HC2	HC2-SW-05-15-1222	05/15/2003	1222	05/25/2003	10	28
HC2	HC2-SW-05-15-1622	05/15/2003	1622	05/25/2003	10	28
HC2	HC2-SW-05-15-2022	05/15/2003	2022	05/25/2003	10	28
HC2	HC2-SW-05-16-0022	05/16/2003	0022	05/25/2003	9	28
HC2	HC2-SW-05-16-0422	05/16/2003	0422	05/25/2003	9	28
HC2	HC2-SW-05-22-0822	05/22/2003	0822	05/30/2003	8	28
HC2 Field Dup	SW1173	05/22/2003	0822	05/30/2003	8	28
HC2	HC2-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
HC2	HC2-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
HC2	HC2-SW-07-03-0700	07/03/2003	0700	07/17/2003	14	28
HC2 Lab Dup	HC2-SW-07-03-0700	07/03/2003	0700	07/17/2003	14	28
HC2 MS	HC2-SW-07-03-0700	07/03/2003	0700	07/17/2003	14	28
HC2 MSD	HC2-SW-07-03-0700	07/03/2003	0700	07/17/2003	14	28
HC2	HC2-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
HC2	HC2-SW-08-14-0700	08/14/2003	0700	08/22/2003	8	28
HC2	HC2-SW-08-28-0755	08/28/2003	0755	09/03/2003	6	28
HC2	HC2-SW-09-12-0831	09/12/2003	0831	09/23/2003	11	28
HC2	HC2-SW-09-12-1231	09/12/2003	1231	09/23/2003	11	28
HC2	HC2-SW-09-12-1631	09/12/2003	1631	09/23/2003	11	28
HC2	HC2-SW-09-12-2031	09/12/2003	2031	09/23/2003	11	28
HC2	HC2-SW-09-13-0031	09/13/2003	0031	09/23/2003	10	28
HC2	HC2-SW-09-13-0431	09/13/2003	0431	09/23/2003	10	28
HC2	HC2-SW-09-13-0831	09/13/2003	0831	09/23/2003	10	28
HC2	HC2-SW-09-13-1231	09/13/2003	1231	09/23/2003	10	28
HC2	HC2-SW-09-13-1631	09/13/2003	1631	09/23/2003	10	28
HC2	HC2-SW-09-13-2031	09/13/2003	2031	09/23/2003	10	28
HC2 Field Dup	SW1191	09/13/2003	2031	09/23/2003	10	28
HC2	HC2-SW-09-14-0031	09/14/2003	0031	09/23/2003	9	28
HC2	HC2-SW-09-14-0431	09/14/2003	0431	09/23/2003	9	28
HC2	HC2-SW-09-14-0831	09/14/2003	0831	09/23/2003	9	28
HC2	HC2-SW-09-14-1231	09/14/2003	1231	09/20/2003	6	28
HC2	HC2-SW-09-14-1631	09/14/2003	1631	09/20/2003	6	28
HC2 Lab Dup	HC2-SW-09-14-1631	09/14/2003	1631	09/20/2003	6	28
HC2 MS	HC2-SW-09-14-1631	09/14/2003	1631	09/20/2003	6	28
HC2 MSD	HC2-SW-09-14-1631	09/14/2003	1631	09/20/2003	6	28
HC2	HC2-SW-09-14-2031	09/14/2003	2031	09/20/2003	6	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-09-15-0831	09/15/2003	0831	09/23/2003	8	28
HC2	HC2-SW-09-15-1231	09/15/2003	1231	09/23/2003	8	28
HC2	HC2-SW-09-15-1631	09/15/2003	1631	09/23/2003	8	28
HC2	HC2-SW-09-15-2031	09/15/2003	2031	09/23/2003	8	28
HC2	HC2-SW-09-16-0031	09/16/2003	0031	09/23/2003	7	28
HC2	HC2-SW-09-16-0431	09/16/2003	0431	09/23/2003	7	28
HC2	HC2-SW-09-16-0831	09/16/2003	0831	09/23/2003	7	28
HC2	HC2-SW-09-16-1231	09/16/2003	1231	09/23/2003	7	28
HC2	HC2-SW-09-16-1631	09/16/2003	1631	09/23/2003	7	28
HC2	HC2-SW-09-16-2031	09/16/2003	2031	09/23/2003	7	28
HC2 Field Dup	SW1207B	09/16/2003	2031	09/23/2003	7	28
HC2	HC2-SW-09-17-0031	09/17/2003	0031	09/23/2003	6	28
HC2	HC2-SW-09-17-0431	09/17/2003	0431	09/23/2003	6	28
HC2	HC2-SW-09-17-0831	09/17/2003	0831	09/25/2003	8	28
HC2	HC2-SW-09-17-1231	09/17/2003	1231	09/25/2003	8	28
HC2	HC2-SW-09-17-1631	09/17/2003	1631	09/25/2003	8	28
HC2	HC2-SW-09-17-2031	09/17/2003	2031	09/25/2003	8	28
HC2	HC2-SW-09-18-0031	09/18/2003	0031	09/25/2003	7	28
HC2	HC2-SW-09-18-0431	09/18/2003	0431	09/25/2003	7	28
HC2	HC2-SW-09-18-0831	09/18/2003	0831	09/25/2003	7	28
HC2 Field Dup	SW1218	09/18/2003	0831	09/25/2003	7	28
HC2	HC2-SW-09-18-1231	09/18/2003	1231	09/25/2003	7	28
HC2	HC2-SW-09-18-1631	09/18/2003	1631	09/24/2003	6	28
HC2	HC2-SW-09-18-2031	09/18/2003	2031	09/24/2003	6	28
HC2	HC2-SW-09-19-0031	09/19/2003	0031	09/24/2003	5	28
HC2	HC2-SW-09-19-0431	09/19/2003	0431	09/24/2003	5	28
HC2	HC2-SW-09-19-0831	09/19/2003	0831	09/24/2003	5	28
HC2	HC2-SW-09-19-1231	09/19/2003	1231	10/02/2003	13	28
HC2	HC2-SW-09-19-1631	09/19/2003	1631	10/02/2003	13	28
HC2	HC2-SW-09-19-2031	09/19/2003	2031	10/02/2003	13	28
HC2	HC2-SW-09-20-0031	09/20/2003	0031	10/02/2003	12	28
HC2	HC2-SW-09-20-0431	09/20/2003	0431	10/02/2003	12	28
HC2 Field Dup	SW1233	09/20/2003	0431	10/02/2003	12	28
HC2	HC2-SW-09-20-0831	09/20/2003	0831	10/02/2003	12	28
HC2 Lab Dup	HC2-SW-09-20-0831	09/20/2003	0831	10/02/2003	12	28
HC2 MS	HC2-SW-09-20-0831	09/20/2003	0831	10/02/2003	12	28
HC2 MSD	HC2-SW-09-20-0831	09/20/2003	0831	10/02/2003	12	28
HC2	HC2-SW-09-20-1231	09/20/2003	1231	10/02/2003	12	28
HC2	HC2-SW-09-20-1631	09/20/2003	1631	10/02/2003	12	28
HC2	HC2-SW-09-20-2031	09/20/2003	2031	10/02/2003	12	28
HC2	HC2-SW-09-21-0031	09/21/2003	0031	10/02/2003	11	28
HC2	HC2-SW-09-21-0431	09/21/2003	0431	10/02/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2	HC2-SW-09-21-0831	09/21/2003	0831	10/02/2003	11	28
HC2	HC2-SW-09-21-1231	09/21/2003	1231	10/02/2003	11	28
HC2	HC2-SW-09-21-1631	09/21/2003	1631	10/02/2003	11	28
HC2	HC2-SW-09-21-2031	09/21/2003	2031	10/02/2003	11	28
HC2 Field Dup	SW1234	09/21/2003	2031	10/02/2003	11	28
HC2	HC2-SW-09-22-0031	09/22/2003	0031	10/02/2003	10	28
HC2	HC2-SW-09-22-0431	09/22/2003	0431	10/02/2003	10	28
HC2	HC2-SW-09-22-0831	09/22/2003	0831	10/02/2003	10	28
HC2	HC2-SW-09-22-1231	09/22/2003	1231	10/09/2003	17	28
HC2	HC2-SW-09-22-1631	09/22/2003	1631	10/09/2003	17	28
HC2	HC2-SW-09-22-2031	09/22/2003	2031	10/09/2003	17	28
HC2	HC2-SW-09-23-0031	09/23/2003	0031	10/09/2003	16	28
HC2 Lab Dup	HC2-SW-09-23-0031	09/23/2003	0031	10/09/2003	16	28
HC2 MS	HC2-SW-09-23-0031	09/23/2003	0031	10/09/2003	16	28
HC2 MSD	HC2-SW-09-23-0031	09/23/2003	0031	10/09/2003	16	28
HC2	HC2-SW-09-23-0431	09/23/2003	0431	10/09/2003	16	28
HC2	HC2-SW-09-23-0831	09/23/2003	0831	10/09/2003	16	28
HC2	HC2-SW-09-23-1231	09/23/2003	1231	10/09/2003	16	28
HC2	HC2-SW-09-23-1631	09/23/2003	1631	10/09/2003	16	28
HC2	HC2-SW-09-23-2031	09/23/2003	2031	10/09/2003	16	28
HC2	HC2-SW-09-24-0031	09/24/2003	0031	10/09/2003	15	28
HC2 Field Dup	SW1259	09/24/2003	0031	10/09/2003	15	28
HC2	HC2-SW-09-24-0431	09/24/2003	0431	10/09/2003	15	28
HC2	HC2-SW-09-24-0831	09/24/2003	0831	10/09/2003	15	28
HC2	HC2-SW-09-24-1231	09/24/2003	1231	10/16/2003	22	28
HC2	HC2-SW-09-24-1631	09/24/2003	1631	10/16/2003	22	28
HC2	HC2-SW-09-24-2031	09/24/2003	2031	10/16/2003	22	28
HC2	HC2-SW-09-25-0031	09/25/2003	0031	10/16/2003	21	28
HC2	HC2-SW-09-25-0431	09/25/2003	0431	10/16/2003	21	28
HC2	HC2-SW-09-25-0831	09/25/2003	0831	10/15/2003	20	28
HC2 Field Dup	SW1272	09/25/2003	0831	10/15/2003	20	28
HC2	HC2-SW-09-25-1231	09/25/2003	1231	10/15/2003	20	28
HC2	HC2-SW-09-25-1631	09/25/2003	1631	10/15/2003	20	28
HC2	HC2-SW-09-25-2031	09/25/2003	2031	10/15/2003	20	28
HC2	HC2-SW-09-26-0031	09/26/2003	0031	10/15/2003	19	28
HC2	HC2-SW-09-26-0431	09/26/2003	0431	10/15/2003	19	28
HC2 Lab Dup	HC2-SW-09-26-0431	09/26/2003	0431	10/15/2003	19	28
HC2 MS	HC2-SW-09-26-0431	09/26/2003	0431	10/15/2003	19	28
HC2 MSD	HC2-SW-09-26-0431	09/26/2003	0431	10/15/2003	19	28
HC2	HC2-SW-09-26-0831	09/26/2003	0831	10/15/2003	19	28
HC2	HC2-SW-09-26-1231	09/26/2003	1231	10/08/2003	12	28
HC2 Lab Dup	HC2-SW-09-26-1231	09/26/2003	1231	10/08/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HC2 MS	HC2-SW-09-26-1231	09/26/2003	1231	10/08/2003	12	28
HC2 MSD	HC2-SW-09-26-1231	09/26/2003	1231	10/08/2003	12	28
HC2	HC2-SW-09-26-1631	09/26/2003	1631	10/08/2003	12	28
HC2 Field Dup	SW1287	09/26/2003	1631	10/08/2003	12	28
HC2	HC2-SW-09-26-2031	09/26/2003	2031	10/08/2003	12	28
HC2	HC2-SW-09-27-0031	09/27/2003	0031	10/08/2003	11	28
HC2	HC2-SW-09-27-0431	09/27/2003	0431	10/08/2003	11	28
HC2	HC2-SW-09-27-0831	09/27/2003	0831	10/09/2003	12	28
HC2	HC2-SW-09-27-1231	09/27/2003	1231	10/09/2003	12	28
HC2	HC2-SW-09-27-1631	09/27/2003	1631	10/09/2003	12	28
HC2	HC2-SW-09-27-2031	09/27/2003	2031	10/09/2003	12	28
HC2	HC2-SW-09-28-0031	09/28/2003	0031	10/08/2003	10	28
HC2	HC2-SW-09-28-0831	09/28/2003	0831	10/08/2003	10	28
HC2 Field Dup	SW1288	09/28/2003	0831	10/08/2003	10	28
HC2	HC2-SW-09-28-1231	09/28/2003	1231	10/08/2003	10	28
HC2	HC2-SW-09-28-1631	09/28/2003	1631	10/08/2003	10	28
HC2 Lab Dup	HC2-SW-09-28-1631	09/28/2003	1631	10/08/2003	10	28
HC2 MS	HC2-SW-09-28-1631	09/28/2003	1631	10/08/2003	10	28
HC2 MSD	HC2-SW-09-28-1631	09/28/2003	1631	10/08/2003	10	28
HC2	HC2-SW-09-28-2031	09/28/2003	2031	10/08/2003	10	28
HC2	HC2-SW-09-29-0031	09/29/2003	0031	10/08/2003	9	28
HC2	HC2-SW-09-29-0431	09/29/2003	0431	10/08/2003	9	28
HC2	HC2-SW-09-29-0831	09/29/2003	0831	10/08/2003	9	28
HC2	HC2-SW-09-29-1231	09/29/2003	1231	10/13/2003	14	28
HC2	HC2-SW-09-29-1631	09/29/2003	1631	10/13/2003	14	28
HC2	HC2-SW-09-29-2031	09/29/2003	2031	10/13/2003	14	28
HC2	HC2-SW-09-30-0031	09/30/2003	0031	10/13/2003	13	28
HC2 Lab Dup	HC2-SW-09-30-0031	09/30/2003	0031	10/13/2003	13	28
HC2 MS	HC2-SW-09-30-0031	09/30/2003	0031	10/13/2003	13	28
HC2 MSD	HC2-SW-09-30-0031	09/30/2003	0031	10/13/2003	13	28
HC2	HC2-SW-09-30-0431	09/30/2003	0431	10/13/2003	13	28
HC2	HC2-SW-09-30-0831	09/30/2003	0831	10/13/2003	13	28
HC2	HC2-SW-09-30-1231	09/30/2003	1231	10/13/2003	13	28
HC2	HC2-SW-09-30-1631	09/30/2003	1631	10/13/2003	13	28
HC2 Field Dup	SW1304	09/30/2003	1631	10/13/2003	13	28
HC2	HC2-SW-09-30-2031	09/30/2003	2031	10/13/2003	13	28
HC2	HC2-SW-10-01-0031	10/01/2003	0031	10/13/2003	12	28
HC2	HC2-SW-10-01-0431	10/01/2003	0431	10/13/2003	12	28
HC2	HC2-SW-10-01-0831	10/01/2003	0831	10/13/2003	12	28
HR	HR-SW-11-26-1110	11/26/2002	1110	11/29/2002	3	28
HR Field Dup	SW1033	11/26/2002	1110	11/29/2002	3	28
HR	HR-SW-12-18-1000	12/19/2002	1000	12/23/2002	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
HR	HR-SW-01-29-1330	01/29/2003	1330	02/03/2003	5	28
HR Lab Dup	HR-SW-01-29-1330	01/29/2003	1330	02/03/2003	5	28
HR MS	HR-SW-01-29-1330	01/29/2003	1330	02/03/2003	5	28
HR MSD	HR-SW-01-29-1330	01/29/2003	1330	02/03/2003	5	28
HR	HR-SW-03-17-1240	03/17/2003	1240	03/22/2003	5	28
HR	HR-SW-04-28-1343	04/28/2003	1343	04/30/2003	2	28
HR Field Dup	SW1058	04/28/2003	1343	04/30/2003	2	28
HR	HR-SW-06-20-1238	06/20/2003	1238	06/25/2003	5	28
HR	HR-SW-07-28-1235	07/28/2003	1235	08/04/2003	7	28
HR	HR-SW-09-04-1340	09/04/2003	1340	09/16/2003	12	28
HR Field Dup	SW1189	09/04/2003	1340	09/16/2003	12	28
HR	HR-SW-09-30-1330	09/30/2003	1330	10/15/2003	15	28
HR	HR-SW-10-31-1028	10/31/2003	1028	11/07/2003	7	28
HR Lab Dup	HR-SW-10-31-1028	10/31/2003	1028	11/07/2003	7	28
HR MS	HR-SW-10-31-1028	10/31/2003	1028	11/07/2003	7	28
HR MSD	HR-SW-10-31-1028	10/31/2003	1028	11/07/2003	7	28
HR	HR-SW-12-15-1245	12/15/2003	1245	12/31/2003	16	28
IDW	DAFP-IDW-BL	06/12/2003	1610	06/18/2003	6	28
IDW	DAFP-IDW-BL-1	06/20/2003	0000	06/25/2003	5	28
IDW	DAFP-IDW-BL-2	06/20/2003	0000	06/25/2003	5	28
IDW	DAFB-IDW-LB-PEEPER	06/23/2003	0000	06/28/2003	5	28
IDW Lab Dup	DAFB-IDW-LB-PEEPER	06/23/2003	0000	06/28/2003	5	28
IDW MS	DAFB-IDW-LB-PEEPER	06/23/2003	0000	06/28/2003	5	28
IDW MSD	DAFB-IDW-LB-PEEPER	06/23/2003	0000	06/28/2003	5	28
IDW	DAFP-IDW-LW	06/26/2003	1110	07/03/2003	7	28
IDW	ADCPFALL-SW	09/24/2003	1655	10/04/2003	10	28
IDW	ADCP-WINTER	12/18/2003	0000	01/01/2004	14	28
LB1-SPW-0	LB1-SPW-0	06/23/2003	0930	06/27/2003	4	28
LB1-SPW-0 Field Dup	SPW1001	06/23/2003	0930	06/28/2003	5	28
LB1-SPW-1	LB1-SPW-1	06/23/2003	0931	06/27/2003	4	28
LB1-SPW-2	LB1-SPW-2	06/23/2003	0932	06/27/2003	4	28
LB1-SPW-2 Lab Dup	LB1-SPW-2	06/23/2003	0932	06/27/2003	4	28
LB1-SW-1	LB1-SW-1	06/12/2003	1000	06/17/2003	5	28
LB1-SW-1 Field Dup	SW3000	06/12/2003	1000	06/17/2003	5	28
LB2-SPW-0	LB2-SPW-0	06/23/2003	0940	06/27/2003	4	28
LB2-SPW-1	LB2-SPW-1	06/23/2003	0941	06/27/2003	4	28
LB2-SPW-2	LB2-SPW-2	06/23/2003	0942	06/27/2003	4	28
LB2-SW-1.3	LB2-SW-1.3	06/12/2003	1030	06/17/2003	5	28
LB3-SPW-0	LB3-SPW-0	06/23/2003	0950	06/27/2003	4	28
LB3-SPW-1	LB3-SPW-1	06/23/2003	0951	06/27/2003	4	28
LB3-SPW-2	LB3-SPW-2	06/23/2003	0952	06/27/2003	4	28
LB3-SW-1.1	LB3-SW-1.1	06/12/2003	1100	06/17/2003	5	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LB4-SPW-0	LB4-SPW-0	06/23/2003	1000	06/27/2003	4	28
LB4-SPW-1	LB4-SPW-1	06/23/2003	1001	06/27/2003	4	28
LB4-SPW-1 Field Dup	SPW1002	06/23/2003	1001	06/28/2003	5	28
LB4-SPW-2	LB4-SPW-2	06/23/2003	1002	06/27/2003	4	28
LB4-SW-0.9	LB4-SW-0.9	06/12/2003	1130	06/17/2003	5	28
LB5-SPW-0	LB5-SPW-0	06/23/2003	1010	06/28/2003	5	28
LB5-SPW-1	LB5-SPW-1	06/23/2003	1011	06/27/2003	4	28
LB5-SPW-2	LB5-SPW-2	06/23/2003	1012	06/27/2003	4	28
LB5-SW-0.5	LB5-SW-0.5	06/12/2003	1130	06/17/2003	5	28
LB5-SW-0.5 Lab Dup	LB5-SW-0.5	06/12/2003	1130	06/17/2003	5	28
LB5-SW-0.5 MS	LB5-SW-0.5	06/12/2003	1130	06/17/2003	5	28
LB5-SW-0.5 MSD	LB5-SW-0.5	06/12/2003	1130	06/17/2003	5	28
LB6-SPW-0	LB6-SPW-0	06/23/2003	1015	06/27/2003	4	28
LB6-SPW-1	LB6-SPW-1	06/23/2003	1016	06/27/2003	4	28
LB6-SPW-2	LB6-SPW-2	06/23/2003	1017	06/27/2003	4	28
LB6-SW-0.5	LB6-SW-0.5	06/12/2003	1230	06/17/2003	5	28
LB7-SPW-0	LB7-SPW-0	06/23/2003	1020	06/27/2003	4	28
LB7-SPW-1	LB7-SPW-1	06/23/2003	1021	06/27/2003	4	28
LB7-SPW-2	LB7-SPW-2	06/23/2003	1022	06/27/2003	4	28
LB7-SPW-2 Field Dup	SPW1003	06/23/2003	1022	06/28/2003	5	28
LB7-SW-1.5	LB7-SW-1.5	06/12/2003	1300	06/17/2003	5	28
LB8-SPW-0	LB8-SPW-0	06/23/2003	1030	06/27/2003	4	28
LB8-SPW-1	LB8-SPW-1	06/23/2003	1031	06/27/2003	4	28
LB8-SPW-1 Lab Dup	LB8-SPW-1	06/23/2003	1031	06/27/2003	4	28
LB8-SPW-2	LB8-SPW-2	06/23/2003	1032	06/27/2003	4	28
LB8-SW-0.8	LB8-SW-0.8	06/12/2003	1330	06/17/2003	5	28
LB9-SPW-0	LB9-SPW-0	06/23/2003	1045	06/27/2003	4	28
LB9-SPW-1	LB9-SPW-1	06/23/2003	1046	06/27/2003	4	28
LB9-SPW-2	LB9-SPW-2	06/23/2003	1047	06/27/2003	4	28
LB9-SW-0.6	LB9-SW-0.6	06/12/2003	1340	06/17/2003	5	28
LB10-SPW-0	LB10-SPW-0	06/23/2003	1050	06/27/2003	4	28
LB10-SPW-1	LB10-SPW-1	06/23/2003	1051	06/27/2003	4	28
LB10-SPW-2	LB10-SPW-2	06/23/2003	1052	06/27/2003	4	28
LB10-SW-1	LB10-SW-1	06/12/2003	1350	06/17/2003	5	28
LB11-SPW-0	LB11-SPW-0	06/23/2003	1055	06/28/2003	5	28
LB11-SPW-0 Field Dup	SPW1004	06/23/2003	1055	06/28/2003	5	28
LB11-SPW-1	LB11-SPW-1	06/23/2003	1056	06/28/2003	5	28
LB11-SPW-2	LB11-SPW-2	06/23/2003	1057	06/28/2003	5	28
LB11-SW-1	LB11-SW-1	06/12/2003	1400	06/17/2003	5	28
LB11-SW-1 Field Dup	SW3001	06/12/2003	1400	06/17/2003	5	28
LB11-SW-1 Lab Dup	LB11-SW-1	06/12/2003	1400	06/17/2003	5	28
LB11-SW-1 MS	LB11-SW-1	06/12/2003	1400	06/17/2003	5	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LB11-SW-1 MSD	LB11-SW-1	06/12/2003	1400	06/17/2003	5	28
LB12-SPW-0	LB12-SPW-0	06/23/2003	1105	06/28/2003	5	28
LB12-SPW-1	LB12-SPW-1	06/23/2003	1106	06/28/2003	5	28
LB12-SPW-2	LB12-SPW-2	06/23/2003	1107	06/28/2003	5	28
LB12-SW-0.4	LB12-SW-0.4	06/12/2003	1415	06/17/2003	5	28
LB13-SPW-0	LB13-SPW-0	06/23/2003	1110	06/28/2003	5	28
LB13-SPW-1	LB13-SPW-1	06/23/2003	1111	06/28/2003	5	28
LB13-SPW-2	LB13-SPW-2	06/23/2003	1112	06/28/2003	5	28
LB13-SW-0.7	LB13-SW-0.7	06/12/2003	1430	06/17/2003	5	28
LB14-SPW-0	LB14-SPW-0	06/23/2003	1115	06/28/2003	5	28
LB14-SPW-1	LB14-SPW-1	06/23/2003	1116	06/28/2003	5	28
LB14-SPW-1 Field Dup	SPW1005	06/23/2003	1116	06/28/2003	5	28
LB14-SPW-2	LB14-SPW-2	06/23/2003	1117	06/28/2003	5	28
LB14-SW-0.3	LB14-SW-0.3	06/12/2003	1445	06/17/2003	5	28
LB15-SPW-0	LB15-SPW-0	06/23/2003	1210	06/28/2003	5	28
LB15-SPW-0 Lab Dup	LB15-SPW-0	06/23/2003	1210	06/28/2003	5	28
LB15-SPW-1	LB15-SPW-1	06/23/2003	1211	06/28/2003	5	28
LB15-SPW-2	LB15-SPW-2	06/23/2003	1212	06/28/2003	5	28
LB15-SW-0.3	LB15-SW-0.3	06/12/2003	1530	06/17/2003	5	28
LB16-SPW-0	LB16-SPW-0	06/23/2003	1130	06/28/2003	5	28
LB16-SPW-1	LB16-SPW-1	06/23/2003	1131	06/28/2003	5	28
LB16-SPW-2	LB16-SPW-2	06/23/2003	1132	06/28/2003	5	28
LB16-SW-1	LB16-SW-1	06/12/2003	1455	06/17/2003	5	28
LB17-SPW-0	LB17-SPW-0	06/23/2003	1120	06/28/2003	5	28
LB17-SPW-1	LB17-SPW-1	06/23/2003	1121	06/28/2003	5	28
LB17-SPW-2	LB17-SPW-2	06/23/2003	1122	06/28/2003	5	28
LB17-SPW-2 Field Dup	SPW1006	06/23/2003	1122	06/28/2003	5	28
LB17-SW-0.9	LB17-SW-0.9	06/12/2003	1500	06/17/2003	5	28
LB18-SPW-0	LB18-SPW-0	06/23/2003	1205	06/28/2003	5	28
LB18-SPW-1	LB18-SPW-1	06/23/2003	1206	06/28/2003	5	28
LB18-SPW-2	LB18-SPW-2	06/23/2003	1207	06/28/2003	5	28
LB18-SW-0.5	LB18-SW-0.5	06/12/2003	1520	06/17/2003	5	28
LB19-SPW-0	LB19-SPW-0	06/23/2003	1200	06/28/2003	5	28
LB19-SPW-1	LB19-SPW-1	06/23/2003	1201	06/28/2003	5	28
LB19-SPW-2	LB19-SPW-2	06/23/2003	1202	06/28/2003	5	28
LB19-SW-0.3	LB19-SW-0.3	06/12/2003	1510	06/17/2003	5	28
LB20-SW-1.1	LB20-SW-1.1	06/12/2003	1505	06/17/2003	5	28
Liqui-Nox	Liqui-Nox	06/20/2003	0000	06/25/2003	5	28
LR1	LR1-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
LR1	LR1-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
LR1	LR1-SW-10-19-0701	10/19/2002	0701	10/24/2002	5	28
LR1	LR1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-10-21-0701	10/21/2002	0701	10/24/2002	3	28
LR1	LR1-SW-10-22-0701	10/22/2002	0701	10/24/2002	2	28
LR1	LR1-SW-10-23-0701	10/23/2002	0701	10/25/2002	2	28
LR1	LR1-SW-10-24-0701	10/24/2002	0701	10/26/2002	2	28
LR1	LR1-SW-10-25-0701	10/25/2002	0701	10/28/2002	3	28
LR1	LR1-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
LR1	LR1-SW-10-27-0659	10/27/2002	0659	10/30/2002	3	28
LR1	LR1-SW-10-28-0659	10/28/2002	0659	11/03/2002	6	28
LR1	LR1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
LR1	LR1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
LR1	LR1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
LR1	LR1-SW-11-14-0659	11/14/2002	0659	11/19/2002	5	28
LR1	LR1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
LR1	LR1-IDW-Composite	11/26/2002	1050	11/30/2002	4	28
LR1	LR1-IDW-Composite	11/26/2002	1050	11/30/2002	4	28
LR1	LR1-IDW-Water	11/26/2002	1050	11/29/2002	3	28
LR1	LR1-SW-12-05-0659	12/05/2002	0659	12/11/2002	6	28
LR1	LR1-SW-12-19-0659	12/19/2002	0659	12/23/2002	4	28
LR1	LR1-SW-01-02-0659	01/02/2003	0659	01/06/2003	4	28
LR1	LR1-SW-01-16-0659	01/16/2003	0659	01/17/2003	1	28
LR1	LR1-SW-01-30-0659	01/30/2003	0659	02/04/2003	5	28
LR1	LR1-SW-02-13-0658	02/13/2003	0658	02/19/2003	6	28
LR1	LR1-SW-02-27-0658	02/27/2003	0658	03/04/2003	5	28
LR1	LR1-SW-03-13-0657	03/13/2003	0657	03/21/2003	8	28
LR1	LR1-SW-03-27-0657	03/27/2003	0657	04/02/2003	6	28
LR1	LR1-SW-04-10-1053	04/10/2003	1053	04/15/2003	5	28
LR1	LR1-SW-04-24-0949	04/24/2003	0949	04/29/2003	5	28
LR1	LR1-SW-05-02-0028	05/02/2003	0028	05/22/2003	20	28
LR1	LR1-SW-05-02-1027	05/02/2003	1027	05/09/2003	7	28
LR1	LR1-SW-05-02-1228	05/02/2003	1228	05/09/2003	7	28
LR1	LR1-SW-05-02-1628	05/02/2003	1628	05/09/2003	7	28
LR1	LR1-SW-05-02-2028	05/02/2003	2028	05/10/2003	8	28
LR1	LR1-SW-05-03-0428	05/03/2003	0428	05/09/2003	6	28
LR1	LR1-SW-05-03-0828	05/03/2003	0828	05/22/2003	19	28
LR1	LR1-SW-05-03-1228	05/03/2003	1228	05/09/2003	6	28
LR1	LR1-SW-05-03-1628	05/03/2003	1628	05/22/2003	19	28
LR1	LR1-SW-05-03-2028	05/03/2003	2028	05/09/2003	6	28
LR1	LR1-SW-05-04-0028	05/04/2003	0028	05/08/2003	4	28
LR1	LR1-SW-05-04-0428	05/04/2003	0428	05/12/2003	8	28
LR1	LR1-SW-05-04-0828	05/04/2003	0828	05/12/2003	8	28
LR1	LR1-SW-05-04-1228	05/04/2003	1228	05/08/2003	4	28
LR1	LR1-SW-05-04-1628	05/04/2003	1628	05/08/2003	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-05-04-2028	05/04/2003	2028	05/08/2003	4	28
LR1	LR1-SW-05-05-0028	05/05/2003	0028	05/12/2003	7	28
LR1	LR1-SW-05-05-0428	05/05/2003	0428	05/08/2003	3	28
LR1	LR1-SW-05-05-0828	05/05/2003	0828	05/15/2003	10	28
LR1 Lab Dup	LR1-SW-05-05-0828	05/05/2003	0828	05/15/2003	10	28
LR1 MS	LR1-SW-05-05-0828	05/05/2003	0828	05/15/2003	10	28
LR1 MSD	LR1-SW-05-05-0828	05/05/2003	0828	05/15/2003	10	28
LR1	LR1-SW-05-05-1228	05/05/2003	1228	05/16/2003	11	28
LR1	LR1-SW-05-05-1628	05/05/2003	1628	05/16/2003	11	28
LR1	LR1-SW-05-05-2028	05/05/2003	2028	05/16/2003	11	28
LR1	LR1-SW-05-06-0028	05/06/2003	0028	05/16/2003	10	28
LR1	LR1-SW-05-06-0428	05/06/2003	0428	05/15/2003	9	28
LR1	LR1-SW-05-06-0828	05/06/2003	0828	05/15/2003	9	28
LR1	LR1-SW-05-06-1228	05/06/2003	1228	05/15/2003	9	28
LR1	LR1-SW-05-06-1628	05/06/2003	1628	05/15/2003	9	28
LR1	LR1-SW-05-06-2028	05/06/2003	2028	05/15/2003	9	28
LR1 Field Dup	SW1095	05/06/2003	2028	05/15/2003	9	28
LR1	LR1-SW-05-07-0028	05/07/2003	0028	05/15/2003	8	28
LR1	LR1-SW-05-07-0428	05/07/2003	0428	05/15/2003	8	28
LR1	LR1-SW-05-07-0828	05/07/2003	0828	05/19/2003	12	28
LR1	LR1-SW-05-07-1228	05/07/2003	1228	05/19/2003	12	28
LR1	LR1-SW-05-07-1628	05/07/2003	1628	05/19/2003	12	28
LR1	LR1-SW-05-07-2028	05/07/2003	2028	05/19/2003	12	28
LR1 Field Dup	SW1112	05/07/2003	2028	05/19/2003	12	28
LR1	LR1-SW-05-08-0028	05/08/2003	0028	05/19/2003	11	28
LR1	LR1-SW-05-08-0428	05/08/2003	0428	05/19/2003	11	28
LR1	LR1-SW-05-08-0828	05/08/2003	0828	05/20/2003	12	28
LR1	LR1-SW-05-08-1228	05/08/2003	1228	05/20/2003	12	28
LR1	LR1-SW-05-08-1628	05/08/2003	1628	05/20/2003	12	28
LR1	LR1-SW-05-08-2028	05/08/2003	2028	05/20/2003	12	28
LR1	LR1-SW-05-09-0028	05/09/2003	0028	05/20/2003	11	28
LR1	LR1-SW-05-09-0428	05/09/2003	0428	05/20/2003	11	28
LR1	LR1-SW-05-09-0828	05/09/2003	0828	05/30/2003	21	28
LR1 Lab Dup	LR1-SW-05-09-0828	05/09/2003	0828	05/30/2003	21	28
LR1 MS	LR1-SW-05-09-0828	05/09/2003	0828	05/30/2003	21	28
LR1 MSD	LR1-SW-05-09-0828	05/09/2003	0828	05/30/2003	21	28
LR1	LR1-SW-05-09-1228	05/09/2003	1228	05/30/2003	21	28
LR1	LR1-SW-05-09-1628	05/09/2003	1628	05/30/2003	21	28
LR1	LR1-SW-05-09-2028	05/09/2003	2028	05/30/2003	21	28
LR1	LR1-SW-05-10-0028	05/10/2003	0028	05/30/2003	20	28
LR1	LR1-SW-05-10-0428	05/10/2003	0428	05/30/2003	20	28
LR1 Field Dup	SW1133	05/10/2003	0428	05/30/2003	20	28

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HOLDING TIME DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-05-10-0828	05/10/2003	0828	05/30/2003	20	28
LR1	LR1-SW-05-10-1228	05/10/2003	1228	05/30/2003	20	28
LR1	LR1-SW-05-10-1628	05/10/2003	1628	05/30/2003	20	28
LR1	LR1-SW-05-10-2028	05/10/2003	2028	05/30/2003	20	28
LR1	LR1-SW-05-11-0028	05/11/2003	0028	05/30/2003	19	28
LR1	LR1-SW-05-11-0428	05/11/2003	0428	05/30/2003	19	28
LR1	LR1-SW-05-11-0828	05/11/2003	0828	05/30/2003	19	28
LR1	LR1-SW-05-11-1228	05/11/2003	1228	05/30/2003	19	28
LR1	LR1-SW-05-11-1628	05/11/2003	1628	05/30/2003	19	28
LR1	LR1-SW-05-11-2028	05/11/2003	2028	05/30/2003	19	28
LR1 Field Dup	SW1134	05/11/2003	2028	05/30/2003	19	28
LR1	LR1-SW-05-12-0028	05/12/2003	0028	05/30/2003	18	28
LR1	LR1-SW-05-12-0428	05/12/2003	0428	05/30/2003	18	28
LR1	LR1-SW-05-12-0828	05/12/2003	0828	05/25/2003	13	28
LR1	LR1-SW-05-12-1228	05/12/2003	1228	05/25/2003	13	28
LR1	LR1-SW-05-12-1628	05/12/2003	1628	05/25/2003	13	28
LR1	LR1-SW-05-12-2028	05/12/2003	2028	05/25/2003	13	28
LR1 Field Dup	SW1151	05/12/2003	2028	05/25/2003	13	28
LR1	LR1-SW-05-13-0028	05/13/2003	0028	05/25/2003	12	28
LR1	LR1-SW-05-13-0428	05/13/2003	0428	05/25/2003	12	28
LR1	LR1-SW-05-13-0828	05/13/2003	0828	05/25/2003	12	28
LR1	LR1-SW-05-13-1228	05/13/2003	1228	05/25/2003	12	28
LR1	LR1-SW-05-13-1628	05/13/2003	1628	05/25/2003	12	28
LR1	LR1-SW-05-13-2028	05/13/2003	2028	05/25/2003	12	28
LR1	LR1-SW-05-14-0028	05/14/2003	0028	05/25/2003	11	28
LR1	LR1-SW-05-14-0428	05/14/2003	0428	05/25/2003	11	28
LR1	LR1-SW-05-14-0828	05/14/2003	0828	05/28/2003	14	28
LR1	LR1-SW-05-14-1228	05/14/2003	1228	05/28/2003	14	28
LR1 Lab Dup	LR1-SW-05-14-1228	05/14/2003	1228	05/28/2003	14	28
LR1 MS	LR1-SW-05-14-1228	05/14/2003	1228	05/28/2003	14	28
LR1 MSD	LR1-SW-05-14-1228	05/14/2003	1228	05/28/2003	14	28
LR1	LR1-SW-05-14-1628	05/14/2003	1628	05/28/2003	14	28
LR1	LR1-SW-05-14-2028	05/14/2003	2028	05/28/2003	14	28
LR1 Field Dup	SW1166	05/14/2003	2028	05/28/2003	14	28
LR1	LR1-SW-05-15-0028	05/15/2003	0028	05/28/2003	13	28
LR1	LR1-SW-05-15-0428	05/15/2003	0428	05/28/2003	13	28
LR1	LR1-SW-05-15-0828	05/15/2003	0828	05/28/2003	13	28
LR1	LR1-SW-05-15-1228	05/15/2003	1228	05/28/2003	13	28
LR1	LR1-SW-05-15-1628	05/15/2003	1628	05/28/2003	13	28
LR1	LR1-SW-05-15-2028	05/15/2003	2028	05/28/2003	13	28
LR1	LR1-SW-05-16-0028	05/16/2003	0028	05/28/2003	12	28
LR1	LR1-SW-05-16-0428	05/16/2003	0428	05/28/2003	12	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-05-22-0957	05/22/2003	0957	05/30/2003	8	28
LR1	LR1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
LR1 Field Dup	SW1176	06/05/2003	0659	06/10/2003	5	28
LR1	LR1-SW-06-19-0659	06/19/2003	0659	06/24/2003	5	28
LR1	LR1-SW-07-17-0658	07/17/2003	0658	07/24/2003	7	28
LR1	LR1-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
LR1 Lab Dup	LR1-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
LR1 MS	LR1-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
LR1 MSD	LR1-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
LR1	LR1-SW-08-14-0657	08/14/2003	0657	08/22/2003	8	28
LR1	LR1-SW-08-28-0657	08/28/2003	0657	09/03/2003	6	28
LR1	LR1-SW-09-11-0940	09/11/2003	0940	09/16/2003	5	28
LR1	LR1-SW-09-11-2142	09/11/2003	2142	09/18/2003	7	28
LR1	LR1-SW-09-12-0142	09/12/2003	0142	09/18/2003	6	28
LR1	LR1-SW-09-12-0542	09/12/2003	0542	09/18/2003	6	28
LR1	LR1-SW-09-12-0942	09/12/2003	0942	09/18/2003	6	28
LR1	LR1-SW-09-12-1342	09/12/2003	1342	09/18/2003	6	28
LR1 Field Dup	SW1197	09/12/2003	1342	09/18/2003	6	28
LR1	LR1-SW-09-12-1742	09/12/2003	1742	09/18/2003	6	28
LR1 Field Dup	SW1198	09/12/2003	1742	09/18/2003	6	28
LR1	LR1-SW-09-12-2142	09/12/2003	2142	09/18/2003	6	28
LR1	LR1-SW-09-13-0142	09/13/2003	0142	09/18/2003	5	28
LR1	LR1-SW-09-13-0542	09/13/2003	0542	09/18/2003	5	28
LR1	LR1-SW-09-13-0942	09/13/2003	0942	09/18/2003	5	28
LR1	LR1-SW-09-13-1342	09/13/2003	1342	09/18/2003	5	28
LR1	LR1-SW-09-13-1742	09/13/2003	1742	09/18/2003	5	28
LR1	LR1-SW-09-13-2142	09/13/2003	2142	09/18/2003	5	28
LR1 Field Dup	SW1199	09/13/2003	2142	09/18/2003	5	28
LR1	LR1-SW-09-14-0142	09/14/2003	0142	09/18/2003	4	28
LR1	LR1-SW-09-14-0542	09/14/2003	0542	09/21/2003	7	28
LR1	LR1-SW-09-14-0942	09/14/2003	0942	09/21/2003	7	28
LR1	LR1-SW-09-14-1342	09/14/2003	1342	09/22/2003	8	28
LR1	LR1-SW-09-14-1742	09/14/2003	1742	09/24/2003	10	28
LR1	LR1-SW-09-14-2142	09/14/2003	2142	09/18/2003	4	28
LR1	LR1-SW-09-15-0142	09/15/2003	0142	09/18/2003	3	28
LR1	LR1-SW-09-15-0542	09/15/2003	0542	09/24/2003	9	28
LR1	LR1-SW-09-15-0942	09/15/2003	0942	09/18/2003	3	28
LR1 Field Dup	SW1200	09/15/2003	0942	09/18/2003	3	28
LR1	LR1-SW-09-15-1342	09/15/2003	1342	09/22/2003	7	28
LR1	LR1-SW-09-15-1742	09/15/2003	1742	09/21/2003	6	28
LR1	LR1-SW-09-15-2141	09/15/2003	2141	09/21/2003	6	28
LR1	LR1-SW-09-16-0141	09/16/2003	0141	09/21/2003	5	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-09-16-0541	09/16/2003	0541	09/21/2003	5	28
LR1	LR1-SW-09-16-0941	09/16/2003	0941	09/21/2003	5	28
LR1	LR1-SW-09-16-1341	09/16/2003	1341	09/21/2003	5	28
LR1	LR1-SW-09-16-1741	09/16/2003	1741	09/21/2003	5	28
LR1 Lab Dup	LR1-SW-09-16-1741	09/16/2003	1741	09/21/2003	5	28
LR1 MS	LR1-SW-09-16-1741	09/16/2003	1741	09/21/2003	5	28
LR1 MSD	LR1-SW-09-16-1741	09/16/2003	1741	09/21/2003	5	28
LR1	LR1-SW-09-16-2141	09/16/2003	2141	09/21/2003	5	28
LR1 Field Dup	SW1210	09/16/2003	2141	09/21/2003	5	28
LR1	LR1-SW-09-17-0141	09/17/2003	0141	10/03/2003	16	28
LR1	LR1-SW-09-17-0541	09/17/2003	0541	10/03/2003	16	28
LR1	LR1-SW-09-17-0941	09/17/2003	0941	09/21/2003	4	28
LR1	LR1-SW-09-17-1341	09/17/2003	1341	09/25/2003	8	28
LR1	LR1-SW-09-17-1741	09/17/2003	1741	09/25/2003	8	28
LR1 Field Dup	SW1221	09/17/2003	1741	09/25/2003	8	28
LR1	LR1-SW-09-17-2141	09/17/2003	2141	09/25/2003	8	28
LR1	LR1-SW-09-18-0141	09/18/2003	0141	09/25/2003	7	28
LR1	LR1-SW-09-18-0541	09/18/2003	0541	09/25/2003	7	28
LR1	LR1-SW-09-20-2141	09/20/2003	2141	10/01/2003	11	28
LR1	LR1-SW-09-21-0141	09/21/2003	0141	10/01/2003	10	28
LR1	LR1-SW-09-21-0541	09/21/2003	0541	10/01/2003	10	28
LR1	LR1-SW-09-21-0941	09/21/2003	0941	10/01/2003	10	28
LR1	LR1-SW-09-21-1341	09/21/2003	1341	10/01/2003	10	28
LR1	LR1-SW-09-21-1741	09/21/2003	1741	10/01/2003	10	28
LR1	LR1-SW-09-21-2141	09/21/2003	2141	10/01/2003	10	28
LR1 Field Dup	SW1241	09/21/2003	2141	10/01/2003	10	28
LR1	LR1-SW-09-22-0141	09/22/2003	0141	10/01/2003	9	28
LR1	LR1-SW-09-22-0541	09/22/2003	0541	10/01/2003	9	28
LR1	LR1-SW-09-22-0941	09/22/2003	0941	10/01/2003	9	28
LR1	LR1-SW-09-22-1341	09/22/2003	1341	10/05/2003	13	28
LR1	LR1-SW-09-22-1741	09/22/2003	1741	10/05/2003	13	28
LR1	LR1-SW-09-22-2141	09/22/2003	2141	10/05/2003	13	28
LR1	LR1-SW-09-23-0141	09/23/2003	0141	10/05/2003	12	28
LR1	LR1-SW-09-23-0541	09/23/2003	0541	10/05/2003	12	28
LR1 Field Dup	SW1263	09/23/2003	0541	10/05/2003	12	28
LR1	LR1-SW-09-23-0941	09/23/2003	0941	10/05/2003	12	28
LR1	LR1-SW-09-23-1341	09/23/2003	1341	10/05/2003	12	28
LR1	LR1-SW-09-23-1741	09/23/2003	1741	10/05/2003	12	28
LR1	LR1-SW-09-23-2141	09/23/2003	2141	10/05/2003	12	28
LR1	LR1-SW-09-24-0141	09/24/2003	0141	10/05/2003	11	28
LR1	LR1-SW-09-24-0541	09/24/2003	0541	10/05/2003	11	28
LR1	LR1-SW-09-24-0941	09/24/2003	0941	10/05/2003	11	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1 Lab Dup	LR1-SW-09-24-0941	09/24/2003	0941	10/05/2003	11	28
LR1 MS	LR1-SW-09-24-0941	09/24/2003	0941	10/05/2003	11	28
LR1 MSD	LR1-SW-09-24-0941	09/24/2003	0941	10/05/2003	11	28
LR1	LR1-SW-09-24-1341	09/24/2003	1341	10/11/2003	17	28
LR1 Field Dup	SW1278	09/24/2003	1341	10/11/2003	17	28
LR1	LR1-SW-09-24-1741	09/24/2003	1741	10/11/2003	17	28
LR1	LR1-SW-09-24-2141	09/24/2003	2141	10/11/2003	17	28
LR1	LR1-SW-09-25-0141	09/25/2003	0141	10/11/2003	16	28
LR1	LR1-SW-09-25-0541	09/25/2003	0541	10/11/2003	16	28
LR1	LR1-SW-09-25-0941	09/25/2003	0941	10/11/2003	16	28
LR1 Lab Dup	LR1-SW-09-25-0941	09/25/2003	0941	10/11/2003	16	28
LR1 MS	LR1-SW-09-25-0941	09/25/2003	0941	10/11/2003	16	28
LR1 MSD	LR1-SW-09-25-0941	09/25/2003	0941	10/11/2003	16	28
LR1	LR1-SW-09-25-1341	09/25/2003	1341	10/11/2003	16	28
LR1	LR1-SW-09-25-1741	09/25/2003	1741	10/11/2003	16	28
LR1	LR1-SW-09-25-2141	09/25/2003	2141	10/11/2003	16	28
LR1	LR1-SW-09-26-0141	09/26/2003	0141	10/11/2003	15	28
LR1	LR1-SW-09-26-0541	09/26/2003	0541	10/11/2003	15	28
LR1 Field Dup	SW1279	09/26/2003	0541	10/11/2003	15	28
LR1	LR1-SW-09-26-0941	09/26/2003	0941	10/11/2003	15	28
LR1	LR1-SW-09-26-1341	09/26/2003	1341	10/18/2003	22	28
LR1 Lab Dup	LR1-SW-09-26-1341	09/26/2003	1341	10/18/2003	22	28
LR1 MS	LR1-SW-09-26-1341	09/26/2003	1341	10/18/2003	22	28
LR1 MSD	LR1-SW-09-26-1341	09/26/2003	1341	10/18/2003	22	28
LR1	LR1-SW-09-26-1741	09/26/2003	1741	10/18/2003	22	28
LR1	LR1-SW-09-26-2141	09/26/2003	2141	10/18/2003	22	28
LR1	LR1-SW-09-27-0141	09/27/2003	0141	10/18/2003	21	28
LR1	LR1-SW-09-27-0541	09/27/2003	0541	10/18/2003	21	28
LR1	LR1-SW-09-27-0941	09/27/2003	0941	10/18/2003	21	28
LR1	LR1-SW-09-27-1341	09/27/2003	1341	10/18/2003	21	28
LR1	LR1-SW-09-27-1742	09/27/2003	1742	10/18/2003	21	28
LR1 Field Dup	SW1293	09/27/2003	1742	10/18/2003	21	28
LR1	LR1-SW-09-27-2141	09/27/2003	2141	10/18/2003	21	28
LR1	LR1-SW-09-28-0141	09/28/2003	0141	10/18/2003	20	28
LR1	LR1-SW-09-28-0541	09/28/2003	0541	10/18/2003	20	28
LR1	LR1-SW-09-28-0941	09/28/2003	0941	10/18/2003	20	28
LR1	LR1-SW-09-28-1341	09/28/2003	1341	10/18/2003	20	28
LR1	LR1-SW-09-28-1741	09/28/2003	1741	10/18/2003	20	28
LR1	LR1-SW-09-28-2141	09/28/2003	2141	10/18/2003	20	28
LR1 Lab Dup	LR1-SW-09-28-2141	09/28/2003	2141	10/18/2003	20	28
LR1 MS	LR1-SW-09-28-2141	09/28/2003	2141	10/18/2003	20	28
LR1 MSD	LR1-SW-09-28-2141	09/28/2003	2141	10/18/2003	20	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LR1	LR1-SW-09-29-0141	09/29/2003	0141	10/18/2003	19	28
LR1	LR1-SW-09-29-0541	09/29/2003	0541	10/18/2003	19	28
LR1	LR1-SW-09-29-0941	09/29/2003	0941	10/18/2003	19	28
LR1 Field Dup	SW1294	09/29/2003	0941	10/18/2003	19	28
LW1-SPW-0	LW1-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW1-SPW-0 Field Dup	SPW1007	07/10/2003	0925	07/16/2003	6	28
LW1-SPW-1	LW1-SPW-1	07/10/2003	0925	07/16/2003	6	28
LW1-SPW-2	LW1-SPW-2	07/10/2003	0925	07/16/2003	6	28
LW1-SW-6	LW1-SW-6	06/26/2003	0854	07/02/2003	6	28
LW1-SW-6 Field Dup	SW3003	06/26/2003	0854	07/02/2003	6	28
LW2-SPW-0	LW2-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW2-SPW-1	LW2-SPW-1	07/10/2003	0925	07/16/2003	6	28
LW2-SW-2.5	LW2-SW-2.5	06/26/2003	0917	07/02/2003	6	28
LW3-SPW-0	LW3-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW3-SPW-1	LW3-SPW-1	07/10/2003	0925	07/16/2003	6	28
LW3-SPW-2	LW3-SPW-2	07/10/2003	0925	07/16/2003	6	28
LW3-SW-7.3	LW3-SW-7.3	06/26/2003	0910	07/02/2003	6	28
LW4-SPW-0	LW4-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW4-SPW-1	LW4-SPW-1	07/10/2003	0925	07/16/2003	6	28
LW4-SPW-1 Field Dup	SPW1008	07/10/2003	0925	07/16/2003	6	28
LW4-SPW-2	LW4-SPW-2	07/10/2003	0925	07/16/2003	6	28
LW4-SW-4.6	LW4-SW-4.6	06/26/2003	0925	07/02/2003	6	28
LW5-SPW-0	LW5-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW5-SPW-1	LW5-SPW-1	07/10/2003	0925	07/18/2003	8	28
LW5-SPW-2	LW5-SPW-2	07/10/2003	0925	07/16/2003	6	28
LW5-SW-6	LW5-SW-6	06/26/2003	0932	07/02/2003	6	28
LW5-SW-6 Lab Dup	LW5-SW-6	06/26/2003	0932	07/02/2003	6	28
LW5-SW-6 MS	LW5-SW-6	06/26/2003	0932	07/02/2003	6	28
LW5-SW-6 MSD	LW5-SW-6	06/26/2003	0932	07/02/2003	6	28
LW6-SPW-0	LW6-SPW-0	07/10/2003	0925	07/16/2003	6	28
LW6-SPW-1	LW6-SPW-1	07/10/2003	0925	07/18/2003	8	28
LW6-SPW-2	LW6-SPW-2	07/10/2003	0925	07/18/2003	8	28
LW6-SW-6.6	LW6-SW-6.6	06/26/2003	0940	07/02/2003	6	28
LW7-SPW-0	LW7-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW7-SPW-1	LW7-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW7-SPW-2	LW7-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW7-SPW-2 Field Dup	SPW1009	07/10/2003	0925	07/17/2003	7	28
LW7-SW-5	LW7-SW-5	06/26/2003	0948	07/02/2003	6	28
LW8-SPW-0	LW8-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW8-SPW-1	LW8-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW8-SPW-2	LW8-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW8-SW-5	LW8-SW-5	06/26/2003	0954	07/02/2003	6	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LW9-SPW-0	LW9-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW9-SPW-1	LW9-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW9-SPW-2	LW9-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW9-SW-1.3	LW9-SW-1.3	06/26/2003	1002	07/02/2003	6	28
LW10-SPW-0	LW10-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW10-SPW-1	LW10-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW10-SPW-2	LW10-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW10-SW-1.3	LW10-SW-1.3	06/26/2003	1008	07/02/2003	6	28
LW10-SW-1.3 Field Dup	SW3004	06/26/2003	1008	07/02/2003	6	28
LW11-SPW-0	LW11-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW11-SPW-0 Field Dup	SPW1010	07/10/2003	0925	07/17/2003	7	28
LW11-SPW-1	LW11-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW11-SPW-2	LW11-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW11-SW-1.3	LW11-SW-1.3	06/26/2003	1013	07/02/2003	6	28
LW12-SPW-0	LW12-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW12-SPW-1	LW12-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW12-SPW-2	LW12-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW12-SW-1.7	LW12-SW-1.7	06/26/2003	1023	07/02/2003	6	28
LW13-SPW-0	LW13-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW13-SPW-1	LW13-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW13-SPW-2	LW13-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW13-SW-6.9	LW13-SW-6.9	06/26/2003	1027	07/02/2003	6	28
LW13-SW-6.9 Lab Dup	LW13-SW-6.9	06/26/2003	1027	07/02/2003	6	28
LW13-SW-6.9 MS	LW13-SW-6.9	06/26/2003	1027	07/02/2003	6	28
LW13-SW-6.9 MSD	LW13-SW-6.9	06/26/2003	1027	07/02/2003	6	28
LW14-SPW-0	LW14-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW14-SPW-1	LW14-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW14-SPW-1 Field Dup	SPW1011	07/10/2003	0925	07/17/2003	7	28
LW14-SPW-2	LW14-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW14-SW-2.6	LW14-SW-2.6	06/26/2003	1033	07/02/2003	6	28
LW15-SPW-0	LW15-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW15-SPW-1	LW15-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW15-SPW-2	LW15-SPW-2	07/10/2003	0925	07/17/2003	7	28
LW15-SW-1.3	LW15-SW-1.3	06/26/2003	1040	07/03/2003	7	28
LW16-SPW-0	LW16-SPW-0	07/10/2003	0925	07/17/2003	7	28
LW16-SPW-1	LW16-SPW-1	07/10/2003	0925	07/17/2003	7	28
LW16-SPW-2	LW16-SPW-2	07/10/2003	0925	08/06/2003	27	28
LW16-SW-1.6	LW16-SW-1.6	06/26/2003	1101	07/03/2003	7	28
LW17-SPW-0	LW17-SPW-0	07/10/2003	0925	08/06/2003	27	28
LW17-SPW-1	LW17-SPW-1	07/10/2003	0925	07/18/2003	8	28
LW17-SPW-2	LW17-SPW-2	07/10/2003	0925	07/18/2003	8	28
LW17-SPW-2 Field Dup	SPW1012	07/10/2003	0925	07/18/2003	8	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
LW17-SW-1.3	LW17-SW-1.3-	06/26/2003	1102	07/03/2003	7	28
LW18-SPW-0	LW18-SPW-0	07/10/2003	0925	07/18/2003	8	28
LW18-SPW-1	LW18-SPW-1	07/10/2003	1130	07/18/2003	8	28
LW18-SPW-2	LW18-SPW-2	07/10/2003	1129	07/18/2003	8	28
LW18-SW-1.3	LW18-SW-1.3	06/26/2003	1048	07/03/2003	7	28
LW19-SPW-0	LW19-SPW-0	07/10/2003	1132	07/18/2003	8	28
LW19-SPW-1	LW19-SPW-1	07/10/2003	1132	07/18/2003	8	28
LW19-SPW-2	LW19-SPW-2	07/10/2003	1132	07/18/2003	8	28
LW19-SW-1.3	LW19-SW-1.3	06/26/2003	1051	07/03/2003	7	28
LW20-SPW-0	LW20-SPW-0	07/10/2003	1200	07/18/2003	8	28
LW20-SPW-1	LW20-SPW-1	07/10/2003	1200	07/18/2003	8	28
LW20-SPW-2	LW20-SPW-2	07/10/2003	1200	07/18/2003	8	28
LW20-SW-1.7	LW20-SW-1.7	06/26/2003	1108	07/03/2003	7	28
MBR1	MBR1-SW-17-10-0700	10/17/2002	0700	10/18/2002	1	28
MBR1	MBR1-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
MBR1	MBR1-SW-10-20-0700	10/20/2002	0700	10/23/2002	3	28
MBR1	MBR1-SW-10-21-0700	10/21/2002	0700	10/23/2002	2	28
MBR1	MBR1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
MBR1	MBR1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
MBR1	MBR1-SW-10-24-0700	10/24/2002	0701	10/26/2002	2	28
MBR1	MBR1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
MBR1	MBR1-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
MBR1	MBR1-SW-10-27-0701	10/27/2002	0701	10/30/2002	3	28
MBR1	MBR1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
MBR1	MBR1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
MBR1	MBR1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
MBR1	MBR1-SW-11-7-0701	11/07/2002	0701	11/11/2002	4	28
MBR1	MBR1-SW-11-14-0701	11/14/2002	0701	11/19/2002	5	28
MBR1	MBR1-SW-11-21-0701	11/21/2002	0701	11/23/2002	2	28
MBR1	MBR1-SW-12-05-0701	12/05/2002	0701	12/11/2002	6	28
MBR1	MBR1-SW-12-19-0701	12/19/2002	0701	12/23/2002	4	28
MBR1	MBR1-SW-01-02-0701	01/02/2003	0701	01/06/2003	4	28
MBR1	MBR1-SW-01-16-0702	01/16/2003	0702	01/17/2003	1	28
MBR1	MBR1-SW-01-30-0703	01/30/2003	0703	02/03/2003	4	28
MBR1	MBR1-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
MBR1	MBR1-SW-03-13-0702	03/13/2003	0702	03/21/2003	8	28
MBR1	MBR1-SW-03-27-0702	03/27/2003	0702	04/02/2003	6	28
MBR1	MBR1-SW-04-10-0759	04/10/2003	0759	04/15/2003	5	28
MBR1	MBR1-SW-04-24-0706	04/24/2003	0706	04/29/2003	5	28
MBR1	MBR1-SW-05-02-1349	05/02/2003	1349	05/08/2003	6	28
MBR1	MBR1-SW-05-02-1357	05/02/2003	1357	05/15/2003	13	28
MBR1	MBR1-SW-05-02-1757	05/02/2003	1757	05/09/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
MBR1	MBR1-SW-05-02-2157	05/02/2003	2157	05/15/2003	13	28
MBR1	MBR1-SW-05-03-0157	05/03/2003	0157	05/15/2003	12	28
MBR1	MBR1-SW-05-03-0557	05/03/2003	0557	05/08/2003	5	28
MBR1	MBR1-SW-05-03-0957	05/03/2003	0957	05/09/2003	6	28
MBR1	MBR1-SW-05-03-1357	05/03/2003	1357	05/08/2003	5	28
MBR1	MBR1-SW-05-03-1757	05/03/2003	1757	05/08/2003	5	28
MBR1	MBR1-SW-05-03-2157	05/03/2003	2157	05/15/2003	12	28
MBR1	MBR1-SW-05-04-0157	05/04/2003	0157	05/08/2003	4	28
MBR1	MBR1-SW-05-04-0557	05/04/2003	0557	05/15/2003	11	28
MBR1	MBR1-SW-05-04-0957	05/04/2003	0957	05/08/2003	4	28
MBR1	MBR1-SW-05-04-1357	05/04/2003	1357	05/15/2003	11	28
MBR1	MBR1-SW-05-04-1757	05/04/2003	1757	05/15/2003	11	28
MBR1	MBR1-SW-05-04-2157	05/04/2003	2157	05/07/2003	3	28
MBR1	MBR1-SW-05-05-0157	05/05/2003	0157	05/08/2003	3	28
MBR1	MBR1-SW-05-05-0557	05/05/2003	0557	05/15/2003	10	28
MBR1	MBR1-SW-05-05-0957	05/05/2003	0957	05/12/2003	7	28
MBR1	MBR1-SW-05-05-1357	05/05/2003	1357	05/12/2003	7	28
MBR1	MBR1-SW-05-05-1757	05/05/2003	1757	05/12/2003	7	28
MBR1	MBR1-SW-05-05-2157	05/05/2003	2157	05/12/2003	7	28
MBR1	MBR1-SW-05-06-0157	05/06/2003	0157	05/12/2003	6	28
MBR1	MBR1-SW-05-06-0557	05/06/2003	0557	05/13/2003	7	28
MBR1	MBR1-SW-05-06-0957	05/06/2003	0957	05/21/2003	15	28
MBR1	MBR1-SW-05-06-1357	05/06/2003	1357	05/21/2003	15	28
MBR1	MBR1-SW-05-06-1757	05/06/2003	1757	05/21/2003	15	28
MBR1	MBR1-SW-05-06-2157	05/06/2003	2157	05/21/2003	15	28
MBR1	MBR1-SW-05-07-0157	05/07/2003	0157	05/22/2003	15	28
MBR1	MBR1-SW-05-07-0557	05/07/2003	0557	05/22/2003	15	28
MBR1	MBR1-SW-05-07-0957	05/07/2003	0957	05/22/2003	15	28
MBR1	MBR1-SW-05-07-1357	05/07/2003	1357	05/22/2003	15	28
MBR1	MBR1-SW-05-07-1757	05/07/2003	1757	05/22/2003	15	28
MBR1	MBR1-SW-05-07-2157	05/07/2003	2157	05/22/2003	15	28
MBR1 Field Dup	SW1102	05/07/2003	2157	05/22/2003	15	28
MBR1	MBR1-SW-05-08-0157	05/08/2003	0157	05/22/2003	14	28
MBR1	MBR1-SW-05-08-0557	05/08/2003	0557	05/22/2003	14	28
MBR1	MBR1-SW-05-08-0957	05/08/2003	0957	05/22/2003	14	28
MBR1	MBR1-SW-05-08-1357	05/08/2003	1357	05/22/2003	14	28
MBR1	MBR1-SW-05-08-1757	05/08/2003	1757	05/22/2003	14	28
MBR1	MBR1-SW-05-08-2157	05/08/2003	2157	05/22/2003	14	28
MBR1	MBR1-SW-05-09-0157	05/09/2003	0157	05/22/2003	13	28
MBR1	MBR1-SW-05-09-0557	05/09/2003	0557	05/22/2003	13	28
MBR1	MBR1-SW-05-09-0957	05/09/2003	0957	06/07/2003	29	28
MBR1	MBR1-SW-05-09-1357	05/09/2003	1357	06/07/2003	29	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
MBR1	MBR1-SW-05-09-1757	05/09/2003	1757	06/07/2003	29	28
MBR1	MBR1-SW-05-09-2157	05/09/2003	2157	06/07/2003	29	28
MBR1	MBR1-SW-05-10-0157	05/10/2003	0157	06/07/2003	28	28
MBR1	MBR1-SW-05-10-0557	05/10/2003	0557	06/07/2003	28	28
MBR1	MBR1-SW-05-10-0957	05/10/2003	0957	06/07/2003	28	28
MBR1	MBR1-SW-05-10-1357	05/10/2003	1357	06/07/2003	28	28
MBR1	MBR1-SW-05-10-1757	05/10/2003	1757	06/07/2003	28	28
MBR1	MBR1-SW-05-10-2157	05/10/2003	2157	06/07/2003	28	28
MBR1 Field Dup	SW1119	05/10/2003	2157	06/07/2003	28	28
MBR1	MBR1-SW-05-11-0157	05/11/2003	0157	06/07/2003	27	28
MBR1	MBR1-SW-05-11-0557	05/11/2003	0557	06/07/2003	27	28
MBR1	MBR1-SW-05-11-0957	05/11/2003	0957	06/07/2003	27	28
MBR1	MBR1-SW-05-11-1357	05/11/2003	1357	06/07/2003	27	28
MBR1	MBR1-SW-05-11-1757	05/11/2003	1757	06/06/2003	26	28
MBR1	MBR1-SW-05-11-2157	05/11/2003	2157	06/06/2003	26	28
MBR1	MBR1-SW-05-12-0157	05/12/2003	0157	06/06/2003	25	28
MBR1	MBR1-SW-05-12-0557	05/12/2003	0557	06/06/2003	25	28
MBR1	MBR1-SW-05-12-0957	05/12/2003	0957	06/08/2003	27	28
MBR1	MBR1-SW-05-12-1357	05/12/2003	1357	06/08/2003	27	28
MBR1	MBR1-SW-05-12-1757	05/12/2003	1757	06/08/2003	27	28
MBR1	MBR1-SW-05-12-2157	05/12/2003	2157	06/08/2003	27	28
MBR1	MBR1-SW-05-13-0157	05/13/2003	0157	06/08/2003	26	28
MBR1	MBR1-SW-05-13-0557	05/13/2003	0557	06/08/2003	26	28
MBR1	MBR1-SW-05-13-0957	05/13/2003	0957	06/08/2003	26	28
MBR1	MBR1-SW-05-13-1357	05/13/2003	1357	06/08/2003	26	28
MBR1	MBR1-SW-05-13-1757	05/13/2003	1757	06/08/2003	26	28
MBR1	MBR1-SW-05-13-2157	05/13/2003	2157	06/08/2003	26	28
MBR1 Field Dup	SW1142	05/13/2003	2157	06/08/2003	26	28
MBR1	MBR1-SW-05-14-0157	05/14/2003	0157	06/08/2003	25	28
MBR1	MBR1-SW-05-14-0557	05/14/2003	0557	06/08/2003	25	28
MBR1	MBR1-SW-05-14-0957	05/14/2003	0957	05/25/2003	11	28
MBR1	MBR1-SW-05-14-1357	05/14/2003	1357	05/25/2003	11	28
MBR1	MBR1-SW-05-14-1757	05/14/2003	1757	05/25/2003	11	28
MBR1	MBR1-SW-05-14-2157	05/14/2003	2157	05/25/2003	11	28
MBR1	MBR1-SW-05-15-0157	05/15/2003	0157	05/25/2003	10	28
MBR1	MBR1-SW-05-15-0557	05/15/2003	0557	05/25/2003	10	28
MBR1	MBR1-SW-05-15-0957	05/15/2003	0957	05/25/2003	10	28
MBR1	MBR1-SW-05-15-1357	05/15/2003	1357	05/25/2003	10	28
MBR1	MBR1-SW-05-15-1757	05/15/2003	1757	05/25/2003	10	28
MBR1	MBR1-SW-05-15-2157	05/15/2003	2157	05/25/2003	10	28
MBR1 Field Dup	SW1157	05/15/2003	2157	05/25/2003	10	28
MBR1	MBR1-SW-05-16-0157	05/16/2003	0157	05/25/2003	9	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
MBR1	MBR1-SW-05-16-0557	05/16/2003	0557	05/25/2003	9	28
MBR1	MBR1-SW-05-22-0732	05/22/2003	0732	05/30/2003	8	28
MBR1	MBR1-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
MBR1	MBR1-SW-06-19-0701	06/19/2003	0701	06/24/2003	5	28
MBR1	MBR1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
MBR1	MBR1-SW-07-17-0701	07/17/2003	0701	07/24/2003	7	28
MBR1	MBR1-SW-07-31-0701	07/31/2003	0701	08/05/2003	5	28
MBR1	MBR1-SW-08-14-0701	08/14/2003	0701	08/22/2003	8	28
MBR1 Field Dup	SW1186	08/14/2003	0701	08/22/2003	8	28
MBR1	MBR1-SW-08-28-0702	08/28/2003	0702	09/03/2003	6	28
MBR1	MBR1-SW-09-11-0730	09/11/2003	0730	09/16/2003	5	28
MBR1	MBR1-SW-09-15-1603	09/15/2003	1603	09/22/2003	7	28
MBR1	MBR1-SW-09-15-2002	09/15/2003	2002	09/22/2003	7	28
MBR1	MBR1-SW-09-16-0002	09/16/2003	0002	09/22/2003	6	28
MBR1 Lab Dup	MBR1-SW-09-16-0002	09/16/2003	0002	09/22/2003	6	28
MBR1 MS	MBR1-SW-09-16-0002	09/16/2003	0002	09/22/2003	6	28
MBR1 MSD	MBR1-SW-09-16-0002	09/16/2003	0002	09/22/2003	6	28
MBR1	MBR1-SW-09-16-0402	09/16/2003	0402	09/22/2003	6	28
MBR1 Field Dup	SW1214	09/16/2003	0402	09/22/2003	6	28
MBR1	MBR1-SW-09-16-0802	09/16/2003	0802	09/22/2003	6	28
MBR1	MBR1-SW-09-16-1202	09/16/2003	1202	09/22/2003	6	28
MBR1	MBR1-SW-09-16-1602	09/16/2003	1602	09/22/2003	6	28
MBR1	MBR1-SW-09-16-2002	09/16/2003	2002	09/22/2003	6	28
MBR1	MBR1-SW-09-17-0002	09/17/2003	0002	09/22/2003	5	28
MBR1	MBR1-SW-09-17-0402	09/17/2003	0402	09/22/2003	5	28
MBR1	MBR1-SW-09-17-0802	09/17/2003	0802	09/22/2003	5	28
MBR1	MBR1-SW-09-17-1202	09/17/2003	1202	09/22/2003	5	28
MBR1	MBR1-SW-09-17-1602	09/17/2003	1602	09/24/2003	7	28
MBR1	MBR1-SW-09-17-2002	09/17/2003	2002	09/24/2003	7	28
MBR1	MBR1-SW-09-18-0002	09/18/2003	0002	09/24/2003	6	28
MBR1	MBR1-SW-09-18-0402	09/18/2003	0402	09/24/2003	6	28
MBR1	MBR1-SW-09-18-0802	09/18/2003	0802	09/24/2003	6	28
MBR1	MBR1-SW-09-18-1202	09/18/2003	1202	09/24/2003	6	28
MBR1	MBR1-SW-09-18-1602	09/18/2003	1602	09/24/2003	6	28
MBR1	MBR1-SW-09-18-2002	09/18/2003	2002	09/24/2003	6	28
MBR1	MBR1-SW-09-19-0002	09/19/2003	0002	09/24/2003	5	28
MBR1	MBR1-SW-09-19-0402	09/19/2003	0402	09/24/2003	5	28
MBR1 Field Dup	SW1215	09/19/2003	0402	09/24/2003	5	28
MBR1	MBR1-SW-09-19-1202	09/19/2003	1202	10/01/2003	12	28
MBR1	MBR1-SW-09-19-1602	09/19/2003	1602	10/01/2003	12	28
MBR1	MBR1-SW-09-19-2002	09/19/2003	2002	10/01/2003	12	28
MBR1	MBR1-SW-09-20-0002	09/20/2003	0002	10/01/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
MBR1	MBR1-SW-09-20-0402	09/20/2003	0402	10/01/2003	11	28
MBR1	MBR1-SW-09-20-0802	09/20/2003	0802	10/01/2003	11	28
MBR1	MBR1-SW-09-20-1202	09/20/2003	1202	10/01/2003	11	28
MBR1	MBR1-SW-09-20-1602	09/20/2003	1602	10/01/2003	11	28
MBR1	MBR1-SW-09-20-2002	09/20/2003	2002	10/02/2003	12	28
MBR1	MBR1-SW-09-21-0002	09/21/2003	0002	10/02/2003	11	28
MBR1 Field Dup	SW1230	09/21/2003	0002	10/02/2003	11	28
MBR1	MBR1-SW-09-21-0802	09/21/2003	0802	10/02/2003	11	28
MBR1	MBR1-SW-09-21-1202	09/21/2003	1202	10/02/2003	11	28
MBR1	MBR1-SW-09-21-1602	09/21/2003	1602	10/02/2003	11	28
MBR1 Lab Dup	MBR1-SW-09-21-1602	09/21/2003	1602	10/02/2003	11	28
MBR1 MS	MBR1-SW-09-21-1602	09/21/2003	1602	10/02/2003	11	28
MBR1 MSD	MBR1-SW-09-21-1602	09/21/2003	1602	10/02/2003	11	28
MBR1	MBR1-SW-09-21-2002	09/21/2003	2002	10/02/2003	11	28
MBR1	MBR1-SW-09-22-0002	09/22/2003	0002	10/02/2003	10	28
MBR1	MBR1-SW-09-22-0402	09/22/2003	0402	10/02/2003	10	28
MBR1	MBR1-SW-09-22-0802	09/22/2003	0802	10/07/2003	15	28
MBR1	MBR1-SW-09-22-1202	09/22/2003	1202	10/07/2003	15	28
MBR1	MBR1-SW-09-22-1602	09/22/2003	1602	10/07/2003	15	28
MBR1	MBR1-SW-09-22-2002	09/22/2003	2002	10/07/2003	15	28
MBR1	MBR1-SW-09-23-0002	09/23/2003	0002	10/07/2003	14	28
MBR1	MBR1-SW-09-23-0402	09/23/2003	0402	10/07/2003	14	28
MBR1	MBR1-SW-09-23-0802	09/23/2003	0802	10/07/2003	14	28
MBR1	MBR1-SW-09-23-1202	09/23/2003	1202	10/07/2003	14	28
MBR1	MBR1-SW-09-23-1602	09/23/2003	1602	10/07/2003	14	28
MBR1	MBR1-SW-09-23-2002	09/23/2003	2002	10/07/2003	14	28
MBR1 Field Dup	SW1255	09/23/2003	2002	10/07/2003	14	28
MBR1	MBR1-SW-09-24-0002	09/24/2003	0002	10/07/2003	13	28
MBR1	MBR1-SW-09-24-0402	09/24/2003	0402	10/07/2003	13	28
MBR1	MBR1-SW-09-24-0802	09/24/2003	0802	10/15/2003	21	28
MBR1	MBR1-SW-09-24-1202	09/24/2003	1202	10/15/2003	21	28
MBR1	MBR1-SW-09-24-1602	09/24/2003	1602	10/15/2003	21	28
MBR1	MBR1-SW-09-24-2002	09/24/2003	2002	10/15/2003	21	28
MBR1	MBR1-SW-09-25-0002	09/25/2003	0002	10/15/2003	20	28
MBR1	MBR1-SW-09-25-0402	09/25/2003	0402	10/15/2003	20	28
MBR1	MBR1-SW-09-25-0802	09/25/2003	0802	10/15/2003	20	28
MBR1	MBR1-SW-09-25-1202	09/25/2003	1202	10/15/2003	20	28
MBR1	MBR1-SW-09-26-0802	09/26/2003	0802	10/10/2003	14	28
MBR1	MBR1-SW-09-26-1202	09/26/2003	1202	10/10/2003	14	28
MBR1	MBR1-SW-09-26-1602	09/26/2003	1602	10/10/2003	14	28
MBR1	MBR1-SW-09-26-2002	09/26/2003	2002	10/10/2003	14	28
MBR1	MBR1-SW-09-27-0002	09/27/2003	0002	10/10/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
MBR1	MBR1-SW-09-27-0402	09/27/2003	0402	10/10/2003	13	28
MBR1	MBR1-SW-09-27-0802	09/27/2003	0802	10/10/2003	13	28
MBR1	MBR1-SW-09-27-1202	09/27/2003	1202	10/10/2003	13	28
MBR1	MBR1-SW-09-27-1602	09/27/2003	1602	10/10/2003	13	28
MBR1	MBR1-SW-09-27-2002	09/27/2003	2002	10/10/2003	13	28
MBR1 Field Dup	SW1281	09/27/2003	2002	10/10/2003	13	28
MBR1	MBR1-SW-09-28-0002	09/28/2003	0002	10/10/2003	12	28
MBR1	MBR1-SW-09-28-0402	09/28/2003	0402	10/10/2003	12	28
MBR1	MBR1-SW-09-28-0802	09/28/2003	0802	10/10/2003	12	28
MBR1	SBR4-SW-09-28-1202	09/28/2003	1202	10/10/2003	12	28
MBR1 Lab Dup	MBR1-SW-09-28-1202	09/28/2003	1202	10/10/2003	12	28
MBR1 MS	MBR1-SW-09-28-1202	09/28/2003	1202	10/10/2003	12	28
MBR1 MSD	MBR1-SW-09-28-1202	09/28/2003	1202	10/10/2003	12	28
MBR1	MBR1-SW-09-28-1602	09/28/2003	1602	10/10/2003	12	28
MBR1	MBR1-SW-09-28-2002	09/28/2003	2002	10/10/2003	12	28
MBR1	MBR1-SW-09-29-0002	09/29/2003	0002	10/10/2003	11	28
MBR1	MBR1-SW-09-29-0402	09/29/2003	0402	10/10/2003	11	28
MBR1	MBR1-SW-09-29-0802	09/29/2003	0802	10/12/2003	13	28
MBR1	MBR1-SW-09-29-1202	09/29/2003	1202	10/12/2003	13	28
MBR1	MBR1-SW-09-29-1602	09/29/2003	1602	10/12/2003	13	28
MBR1	MBR1-SW-09-29-2002	09/29/2003	2002	10/12/2003	13	28
MBR1	MBR1-SW-09-30-0002	09/30/2003	0002	10/12/2003	12	28
MBR1	MBR1-SW-09-30-0402	09/30/2003	0402	10/12/2003	12	28
MBR1	MBR1-SW-09-30-0802	09/30/2003	0802	10/12/2003	12	28
MBR1	MBR1-SW-09-30-1202	09/30/2003	1202	10/12/2003	12	28
MBR1	MBR1-SW-09-30-1602	09/30/2003	1602	10/12/2003	12	28
MBR1	MBR1-SW-09-30-2002	09/30/2003	2002	10/12/2003	12	28
MBR1 Field Dup	SW1302	09/30/2003	2002	10/12/2003	12	28
MBR1	MBR1-SW-10-01-0002	10/01/2003	0002	10/12/2003	11	28
MBR1	MBR1-SW-10-01-0402	10/01/2003	0402	10/12/2003	11	28
MW	SC1-IDW-Water	11/26/2002	1220	11/29/2002	3	28
MW	HC1-IDW-Water	11/26/2002	1358	11/29/2002	3	28
OC1	OC1-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
OC1	OC1-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
OC1 Lab Dup	OC1-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
OC1 MS	OC1-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
OC1 MSD	OC1-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
OC1	OC1-SW-10-19-0701	10/19/2002	0701	10/23/2002	4	28
OC1 Field Dup	SW1005	10/19/2002	0701	10/24/2002	5	28
OC1	OC1-SW-10-20-0701	10/20/2002	0701	10/24/2002	4	28
OC1	OC1-SW-10-21-0701	10/21/2002	0701	10/23/2002	2	28
OC1	OC1-SW-10-22-0701	10/22/2002	0701	10/24/2002	2	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
OC1 Field Dup	SW1009	10/22/2002	0701	10/25/2002	3	28
OC1	OC1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
OC1	OC1-SW-10-24-0701	10/24/2002	0701	10/26/2002	2	28
OC1 Field Dup	SW1012B	10/24/2002	0701	10/26/2002	2	28
OC1	OC1-SW-10-25-0701	10/25/2002	0701	10/28/2002	3	28
OC1	OC1-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
OC1 Lab Dup	OC1-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
OC1 MS	OC1-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
OC1 MSD	OC1-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
OC1	OC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
OC1	OC1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
OC1 Lab Dup	OC1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
OC1 MS	OC1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
OC1 MSD	OC1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
OC1	OC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
OC1 Field Dup	SW1022	10/29/2002	0700	11/04/2002	6	28
OC1	OC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
OC1 Field Dup	SW1024	10/30/2002	0700	11/05/2002	6	28
OC1	OC1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
OC1	OC1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
OC1	OC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
OC1	OC1-IDW-Composite	11/26/2002	1110	11/30/2002	4	28
OC1	OC1-IDW-Water	11/26/2002	1110	11/29/2002	3	28
OC1	OC1-IDW-Composite	11/26/2002	1110	11/30/2002	4	28
OC1	OC1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
OC1 Field Dup	SW1034	12/05/2002	0700	12/11/2002	6	28
OC1	OC1-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
OC1	OC1-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
OC1 Field Dup	SW1039	01/02/2003	0700	01/06/2003	4	28
OC1	OC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
OC1 Field Dup	SW1040	01/16/2003	0700	01/23/2003	7	28
OC1	OC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
OC1 Field Dup	SW1043	01/30/2003	0700	02/03/2003	4	28
OC1	OC1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
OC1 Field Dup	SW1046	02/13/2003	0700	02/19/2003	6	28
OC1	OC1-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
OC1	OC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
OC1 Lab Dup	OC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
OC1 MS	OC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
OC1 MSD	OC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
OC1	OC1-SW-03-27-0659	03/27/2003	0659	04/02/2003	6	28
OC1 Field Dup	SW1053	03/27/2003	0659	04/02/2003	6	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
OC1	OC1-SW-04-10-1020	04/10/2003	1020	04/15/2003	5	28
OC1 Lab Dup	OC1-SW-04-10-1020	04/10/2003	1020	04/15/2003	5	28
OC1 MS	OC1-SW-04-10-1020	04/10/2003	1020	04/15/2003	5	28
OC1 MSD	OC1-SW-04-10-1020	04/10/2003	1020	04/15/2003	5	28
OC1	OC1-SW-04-24-0911	04/24/2003	0911	04/29/2003	5	28
OC1	OC1-SW-05-02-1003	05/02/2003	1003	05/11/2003	9	28
OC1	OC1-SW-05-02-1158	05/02/2003	1158	05/10/2003	8	28
OC1	OC1-SW-05-02-1558	05/02/2003	1558	05/22/2003	20	28
OC1	OC1-SW-05-02-1958	05/02/2003	1958	05/11/2003	9	28
OC1	OC1-SW-05-02-2358	05/02/2003	2358	05/11/2003	9	28
OC1	OC1-SW-05-03-0358	05/03/2003	0358	05/11/2003	8	28
OC1	OC1-SW-05-03-0758	05/03/2003	0758	05/11/2003	8	28
OC1	OC1-SW-05-03-1158	05/03/2003	1158	05/11/2003	8	28
OC1	OC1-SW-05-03-1558	05/03/2003	1558	05/10/2003	7	28
OC1 Field Dup	SW1081	05/03/2003	1558	05/11/2003	8	28
OC1	OC1-SW-05-03-1958	05/03/2003	1958	05/22/2003	19	28
OC1	OC1-SW-05-03-2358	05/03/2003	2358	05/11/2003	8	28
OC1	OC1-SW-05-04-0358	05/04/2003	0358	05/11/2003	7	28
OC1	OC1-SW-05-04-0758	05/04/2003	0758	05/22/2003	18	28
OC1 Lab Dup	OC1-SW-05-04-0758	05/04/2003	0758	05/22/2003	18	28
OC1 MS	OC1-SW-05-04-0758	05/04/2003	0758	05/22/2003	18	28
OC1 MSD	OC1-SW-05-04-0758	05/04/2003	0758	05/22/2003	18	28
OC1	OC1-SW-05-04-1158	05/04/2003	1158	05/10/2003	6	28
OC1	OC1-SW-05-04-1558	05/04/2003	1558	05/22/2003	18	28
OC1	OC1-SW-05-04-1958	05/04/2003	1958	05/10/2003	6	28
OC1	OC1-SW-05-04-2358	05/04/2003	2358	05/22/2003	18	28
OC1 Field Dup	SW1080	05/04/2003	2358	05/22/2003	18	28
OC1	OC1-SW-05-05-0358	05/05/2003	0358	05/22/2003	17	28
OC1	OC1-SW-05-05-0758	05/05/2003	0758	05/15/2003	10	28
OC1	OC1-SW-05-05-1158	05/05/2003	1158	05/15/2003	10	28
OC1 Field Dup	SW1093	05/05/2003	1158	05/15/2003	10	28
OC1	OC1-SW-05-05-1558	05/05/2003	1558	05/15/2003	10	28
OC1	OC1-SW-05-05-1958	05/05/2003	1958	05/15/2003	10	28
OC1	OC1-SW-05-05-2358	05/05/2003	2358	05/15/2003	10	28
OC1	OC1-SW-05-06-0358	05/06/2003	0358	05/15/2003	9	28
OC1	OC1-SW-05-06-0758	05/06/2003	0758	05/15/2003	9	28
OC1	OC1-SW-05-06-1158	05/06/2003	1158	05/16/2003	10	28
OC1	OC1-SW-05-06-1558	05/06/2003	1558	05/16/2003	10	28
OC1	OC1-SW-05-06-1958	05/06/2003	1958	05/16/2003	10	28
OC1	OC1-SW-05-06-2358	05/06/2003	2358	05/16/2003	10	28
OC1	OC1-SW-05-07-0358	05/07/2003	0358	05/16/2003	9	28
OC1 Field Dup	SW1094	05/07/2003	0358	05/16/2003	9	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
OC1	OC1-SW-05-07-0758	05/07/2003	0758	05/19/2003	12	28
OC1	OC1-SW-05-07-1158	05/07/2003	1158	05/19/2003	12	28
OC1	OC1-SW-05-07-1558	05/07/2003	1558	05/19/2003	12	28
OC1	OC1-SW-05-07-1958	05/07/2003	1958	05/19/2003	12	28
OC1	OC1-SW-05-07-2358	05/07/2003	2358	05/19/2003	12	28
OC1	OC1-SW-05-08-0358	05/08/2003	0358	05/19/2003	11	28
OC1 Lab Dup	OC1-SW-05-08-0358	05/08/2003	0358	05/19/2003	11	28
OC1 MS	OC1-SW-05-08-0358	05/08/2003	0358	05/19/2003	11	28
OC1 MSD	OC1-SW-05-08-0358	05/08/2003	0358	05/19/2003	11	28
OC1	OC1-SW-05-08-0758	05/08/2003	0758	05/19/2003	11	28
OC1 Field Dup	SW1111	05/08/2003	0758	05/19/2003	11	28
OC1	OC1-SW-05-08-1158	05/08/2003	1158	05/19/2003	11	28
OC1	OC1-SW-05-08-1558	05/08/2003	1558	05/19/2003	11	28
OC1	OC1-SW-05-08-1958	05/08/2003	1958	05/19/2003	11	28
OC1	OC1-SW-05-08-2358	05/08/2003	2358	05/19/2003	11	28
OC1	OC1-SW-05-09-0358	05/09/2003	0358	05/19/2003	10	28
OC1	OC1-SW-05-09-0758	05/09/2003	0758	05/30/2003	21	28
OC1 Lab Dup	OC1-SW-05-09-0758	05/09/2003	0758	05/30/2003	21	28
OC1 MS	OC1-SW-05-09-0758	05/09/2003	0758	05/30/2003	21	28
OC1 MSD	OC1-SW-05-09-0758	05/09/2003	0758	05/30/2003	21	28
OC1	OC1-SW-05-09-1158	05/09/2003	1158	05/30/2003	21	28
OC1	OC1-SW-05-09-1558	05/09/2003	1558	05/30/2003	21	28
OC1	OC1-SW-05-09-1958	05/09/2003	1958	05/30/2003	21	28
OC1 Field Dup	SW1131	05/09/2003	1958	05/30/2003	21	28
OC1	OC1-SW-05-09-2358	05/09/2003	2358	05/30/2003	21	28
OC1	OC1-SW-05-10-0358	05/10/2003	0358	05/30/2003	20	28
OC1	OC1-SW-05-10-0758	05/10/2003	0758	05/30/2003	20	28
OC1	OC1-SW-05-10-1158	05/10/2003	1158	05/30/2003	20	28
OC1	OC1-SW-05-10-1558	05/10/2003	1558	05/30/2003	20	28
OC1	OC1-SW-05-10-1958	05/10/2003	1958	05/30/2003	20	28
OC1	OC1-SW-05-10-2358	05/10/2003	2358	05/30/2003	20	28
OC1	OC1-SW-05-11-0358	05/11/2003	0358	05/30/2003	19	28
OC1	OC1-SW-05-11-0758	05/11/2003	0758	05/30/2003	19	28
OC1	OC1-SW-05-11-1158	05/11/2003	1158	05/30/2003	19	28
OC1 Field Dup	SW1132	05/11/2003	1158	05/30/2003	19	28
OC1	OC1-SW-05-11-1558	05/11/2003	1558	05/30/2003	19	28
OC1	OC1-SW-05-11-1958	05/11/2003	1958	05/30/2003	19	28
OC1	OC1-SW-05-11-2358	05/11/2003	2358	05/30/2003	19	28
OC1	OC1-SW-05-12-0358	05/12/2003	0358	05/30/2003	18	28
OC1	OC1-SW-05-12-0758	05/12/2003	0758	05/23/2003	11	28
OC1	OC1-SW-05-12-1158	05/12/2003	1158	05/23/2003	11	28
OC1	OC1-SW-05-12-1558	05/12/2003	1558	05/23/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
OC1	OC1-SW-05-12-1958	05/12/2003	1958	05/23/2003	11	28
OC1	OC1-SW-05-12-2358	05/12/2003	2358	05/23/2003	11	28
OC1	OC1-SW-05-13-0358	05/13/2003	0358	05/23/2003	10	28
OC1 Field Dup	SW1150	05/13/2003	0358	05/23/2003	10	28
OC1	OC1-SW-05-13-0758	05/13/2003	0758	05/23/2003	10	28
OC1 Lab Dup	OC1-SW-05-13-0758	05/13/2003	0758	05/23/2003	10	28
OC1 MS	OC1-SW-05-13-0758	05/13/2003	0758	05/23/2003	10	28
OC1 MSD	OC1-SW-05-13-0758	05/13/2003	0758	05/23/2003	10	28
OC1	OC1-SW-05-13-1158	05/13/2003	1158	05/23/2003	10	28
OC1	OC1-SW-05-13-1558	05/13/2003	1558	05/23/2003	10	28
OC1	OC1-SW-05-13-1958	05/13/2003	1958	05/23/2003	10	28
OC1	OC1-SW-05-13-2358	05/13/2003	2358	05/23/2003	10	28
OC1	OC1-SW-05-14-0358	05/14/2003	0358	05/23/2003	9	28
OC1	OC1-SW-05-14-0758	05/14/2003	0758	05/27/2003	13	28
OC1	OC1-SW-05-14-1158	05/14/2003	1158	05/27/2003	13	28
OC1	OC1-SW-05-14-1558	05/14/2003	1558	05/27/2003	13	28
OC1	OC1-SW-05-14-1958	05/14/2003	1958	05/27/2003	13	28
OC1	OC1-SW-05-14-2358	05/14/2003	2358	05/27/2003	13	28
OC1	OC1-SW-05-15-0358	05/15/2003	0358	05/28/2003	13	28
OC1 Field Dup	SW1165	05/15/2003	0358	05/28/2003	13	28
OC1	OC1-SW-05-15-0758	05/15/2003	0758	05/28/2003	13	28
OC1	OC1-SW-05-15-1158	05/15/2003	1158	05/28/2003	13	28
OC1	OC1-SW-05-15-1558	05/15/2003	1558	05/28/2003	13	28
OC1	OC1-SW-05-15-1958	05/15/2003	1958	05/28/2003	13	28
OC1	OC1-SW-05-15-2358	05/15/2003	2358	05/28/2003	13	28
OC1	OC1-SW-05-16-0358	05/16/2003	0358	05/28/2003	12	28
OC1	OC1-SW-05-22-0933	05/22/2003	0933	05/30/2003	8	28
OC1	OC1-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
OC1	OC1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
OC1 Lab Dup	OC1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
OC1 MS	OC1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
OC1 MSD	OC1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
OC1	OC1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
OC1	OC1-SW-07-17-0659	07/17/2003	0659	07/24/2003	7	28
OC1	OC1-SW-09-11-2124	09/11/2003	2124	09/17/2003	6	28
OC1 Lab Dup	OC1-SW-09-11-2124	09/11/2003	2124	09/17/2003	6	28
OC1 MS	OC1-SW-09-11-2124	09/11/2003	2124	09/17/2003	6	28
OC1 MSD	OC1-SW-09-11-2124	09/11/2003	2124	09/17/2003	6	28
OC1	OC1-SW-09-12-0124	09/12/2003	0124	09/18/2003	6	28
OC1	OC1-SW-09-12-1324	09/12/2003	1324	09/18/2003	6	28
OC1	OC1-SW-09-12-1724	09/12/2003	1724	09/18/2003	6	28
OC1	OC1-SW-09-12-2124	09/12/2003	2124	09/18/2003	6	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
OC1 Lab Dup	OC1-SW-09-12-2124	09/12/2003	2124	09/18/2003	6	28
OC1 MS	OC1-SW-09-12-2124	09/12/2003	2124	09/18/2003	6	28
OC1 MSD	OC1-SW-09-12-2124	09/12/2003	2124	09/18/2003	6	28
RW	RW-SW-11-26-1050	11/26/2002	1050	11/29/2002	3	28
RW Field Dup	SW1032	11/26/2002	1050	11/29/2002	3	28
RW Lab Dup	RW-SW-11-26-1050	11/26/2002	1050	11/29/2002	3	28
RW MS	RW-SW-11-26-1050	11/26/2002	1050	11/29/2002	3	28
RW MSD	RW-SW-11-26-1050	11/26/2002	1050	11/29/2002	3	28
RW	RW-SW-12-18-1022	12/19/2002	1022	12/23/2002	4	28
RW	RW-SW-01-29-1335	01/29/2003	1355	02/03/2003	5	28
RW Field Dup	SW1042	01/29/2003	1355	02/03/2003	5	28
RW	RW-SW-03-17-1300	03/17/2003	1300	03/22/2003	5	28
RW	RW-SW-04-28-1410	04/28/2003	1410	04/30/2003	2	28
RW	RW-SW-06-20-1255	06/20/2003	1255	06/25/2003	5	28
RW	RW-SW-07-28-1248	07/28/2003	1248	08/04/2003	7	28
RW	RW-SW-09-04-1325	09/04/2003	1325	09/16/2003	12	28
RW Lab Dup	RW-SW-09-04-1325	09/04/2003	1325	09/16/2003	12	28
RW MS	RW-SW-09-04-1325	09/04/2003	1325	09/16/2003	12	28
RW MSD	RW-SW-09-04-1325	09/04/2003	1325	09/16/2003	12	28
RW	RW-SW-09-30-1350	09/30/2003	1350	10/15/2003	15	28
RW Field Dup	SW1301	09/30/2003	1350	10/15/2003	15	28
RW	RW-SW-10-31-1037	10/31/2003	1037	11/07/2003	7	28
RW Field Dup	SW1312	10/31/2003	1037	11/07/2003	7	28
RW	RW-SW-12-15-1307	12/15/2003	1307	12/31/2003	16	28
RW Field Dup	SW1410	12/15/2003	1307	12/31/2003	16	28
SBR1	SBR1-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
SBR1	SBR1-SW-18-10-0700	10/18/2002	0700	10/22/2002	4	28
SBR1	SBR1-SW-10-19-0700	10/19/2002	0700	10/22/2002	3	28
SBR1	SBR1-SW-10-20-0700	10/20/2002	0700	10/22/2002	2	28
SBR1	SBR1-SW-10-21-0700	10/21/2002	0700	10/24/2002	3	28
SBR1	SBR1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SBR1	SBR1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
SBR1	SBR1-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
SBR1	SBR1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SBR1	SBR1-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
SBR1	SBR1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SBR1	SBR1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
SBR1	SBR1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SBR1	SBR1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SBR1	SBR1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SBR1	SBR1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SBR1	SBR1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1	SBR1-IDW-Composite	11/26/2002	1345	11/29/2002	3	28
SBR1	SBR1-IDW-Water	11/26/2002	1345	11/29/2002	3	28
SBR1	SBR1-IDW-Composite	11/26/2002	1345	11/29/2002	3	28
SBR1	SBR1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SBR1	SBR1-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR1	SBR1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SBR1	SBR1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
SBR1	SBR1-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR1 Field Dup	SW1047	02/27/2003	0700	03/04/2003	5	28
SBR1	SBR1-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
SBR1	SBR1-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SBR1	SBR1-SW-04-10-1345	04/10/2003	1345	04/15/2003	5	28
SBR1	SBR1-SW-04-24-1154	04/24/2003	1154	04/29/2003	5	28
SBR1	SBR1-SW-05-02-1214	05/02/2003	1214	05/10/2003	8	28
SBR1	SBR1-SW-05-02-1456	05/02/2003	1456	05/07/2003	5	28
SBR1 Field Dup	SW1061	05/02/2003	1856	05/07/2003	5	28
SBR1	SBR1-SW-05-02-1856	05/02/2003	1856	05/12/2003	10	28
SBR1	SBR1-SW-05-02-2256	05/02/2003	2256	05/11/2003	9	28
SBR1	SBR1-SW-05-03-0256	05/03/2003	0256	05/11/2003	8	28
SBR1	SBR1-SW-05-03-0656	05/03/2003	0656	05/11/2003	8	28
SBR1	SBR1-SW-05-03-1056	05/03/2003	1056	05/07/2003	4	28
SBR1 Lab Dup	SBR1-SW-05-03-1056	05/03/2003	1056	05/07/2003	4	28
SBR1 MS	SBR1-SW-05-03-1056	05/03/2003	1056	05/07/2003	4	28
SBR1 MSD	SBR1-SW-05-03-1056	05/03/2003	1056	05/07/2003	4	28
SBR1	SBR1-SW-05-03-1456	05/03/2003	1456	05/07/2003	4	28
SBR1	SBR1-SW-05-03-1856	05/03/2003	1856	05/14/2003	11	28
SBR1	SBR1-SW-05-03-2256	05/03/2003	2256	05/07/2003	4	28
SBR1	SBR1-SW-05-04-0256	05/04/2003	0256	05/14/2003	10	28
SBR1	SBR1-SW-05-04-0656	05/04/2003	0656	05/14/2003	10	28
SBR1	SBR1-SW-05-04-1056	05/04/2003	1056	05/11/2003	7	28
SBR1	SBR1-SW-05-04-1456	05/04/2003	1456	05/11/2003	7	28
SBR1 Field Dup	SW1066	05/04/2003	1456	05/11/2003	7	28
SBR1	SBR1-SW-05-04-1856	05/04/2003	1856	05/14/2003	10	28
SBR1	SBR1-SW-05-04-2256	05/04/2003	2256	05/11/2003	7	28
SBR1	SBR1-SW-05-05-0256	05/05/2003	0256	05/11/2003	6	28
SBR1	SBR1-SW-05-05-0656	05/05/2003	0656	05/11/2003	6	28
SBR1	SBR1-SW-05-05-1056	05/05/2003	1056	05/17/2003	12	28
SBR1	SBR1-SW-05-05-1456	05/05/2003	1456	05/17/2003	12	28
SBR1	SBR1-SW-05-05-1856	05/05/2003	1856	05/17/2003	12	28
SBR1	SBR1-SW-05-05-2256	05/05/2003	2256	05/17/2003	12	28
SBR1	SBR1-SW-05-06-0256	05/06/2003	0256	05/17/2003	11	28
SBR1	SBR1-SW-05-06-0656	05/06/2003	0656	05/17/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1	SBR1-SW-05-06-1057	05/06/2003	1057	05/17/2003	11	28
SBR1 Field Dup	SW1097	05/06/2003	1057	05/17/2003	11	28
SBR1	SBR1-SW-05-06-1456	05/06/2003	1456	05/17/2003	11	28
SBR1	SBR1-SW-05-06-1856	05/06/2003	1856	05/17/2003	11	28
SBR1	SBR1-SW-05-06-2256	05/06/2003	2256	05/17/2003	11	28
SBR1	SBR1-SW-05-07-0256	05/07/2003	0256	05/17/2003	10	28
SBR1	SBR1-SW-05-07-0656	05/07/2003	0656	05/17/2003	10	28
SBR1	SBR1-SW-05-07-1056	05/07/2003	1056	05/23/2003	16	28
SBR1 Field Dup	SW1114	05/07/2003	1056	05/23/2003	16	28
SBR1	SBR1-SW-05-07-1456	05/07/2003	1456	05/23/2003	16	28
SBR1	SBR1-SW-05-07-1856	05/07/2003	1856	05/23/2003	16	28
SBR1	SBR1-SW-05-07-2256	05/07/2003	2256	05/23/2003	16	28
SBR1	SBR1-SW-05-08-0256	05/08/2003	0256	05/23/2003	15	28
SBR1	SBR1-SW-05-08-0656	05/08/2003	0656	05/22/2003	14	28
SBR1 Lab Dup	SBR1-SW-05-08-0656	05/08/2003	0656	05/23/2003	15	28
SBR1 MS	SBR1-SW-05-08-0656	05/08/2003	0656	05/23/2003	15	28
SBR1 MSD	SBR1-SW-05-08-0656	05/08/2003	0656	05/23/2003	15	28
SBR1	SBR1-SW-05-08-1056	05/08/2003	1056	05/23/2003	15	28
SBR1	SBR1-SW-05-08-1456	05/08/2003	1456	05/23/2003	15	28
SBR1	SBR1-SW-05-08-1856	05/08/2003	1856	05/23/2003	15	28
SBR1	SBR1-SW-05-08-2256	05/08/2003	2256	05/23/2003	15	28
SBR1	SBR1-SW-05-09-0256	05/09/2003	0256	05/23/2003	14	28
SBR1	SBR1-SW-05-09-0656	05/09/2003	0656	05/23/2003	14	28
SBR1 Field Dup	SW1115	05/09/2003	0656	05/23/2003	14	28
SBR1	SBR1-SW-05-09-1056	05/09/2003	1056	05/20/2003	11	28
SBR1 Lab Dup	SBR1-SW-05-09-1056	05/09/2003	1056	05/20/2003	11	28
SBR1 MS	SBR1-SW-05-09-1056	05/09/2003	1056	05/20/2003	11	28
SBR1 MSD	SBR1-SW-05-09-1056	05/09/2003	1056	05/20/2003	11	28
SBR1	SBR1-SW-05-09-1456	05/09/2003	1456	05/20/2003	11	28
SBR1	SBR1-SW-05-09-1856	05/09/2003	1856	05/20/2003	11	28
SBR1	SBR1-SW-05-09-2256	05/09/2003	2256	05/20/2003	11	28
SBR1	SBR1-SW-05-10-0256	05/10/2003	0256	05/20/2003	10	28
SBR1	SBR1-SW-05-10-0656	05/10/2003	0656	05/20/2003	10	28
SBR1	SBR1-SW-05-10-1057	05/10/2003	1057	05/20/2003	10	28
SBR1	SBR1-SW-05-10-1456	05/10/2003	1456	05/21/2003	11	28
SBR1	SBR1-SW-05-10-1856	05/10/2003	1856	05/21/2003	11	28
SBR1	SBR1-SW-05-10-2256	05/10/2003	2256	05/21/2003	11	28
SBR1 Field Dup	SW1137	05/10/2003	2256	05/21/2003	11	28
SBR1	SBR1-SW-05-11-0256	05/11/2003	0256	05/21/2003	10	28
SBR1	SBR1-SW-05-11-0656	05/11/2003	0656	05/21/2003	10	28
SBR1	SBR1-SW-05-11-1056	05/11/2003	1056	05/21/2003	10	28
SBR1	SBR1-SW-05-11-1456	05/11/2003	1456	05/21/2003	10	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1	SBR1-SW-05-11-1856	05/11/2003	1856	05/21/2003	10	28
SBR1	SBR1-SW-05-11-2256	05/11/2003	2256	05/21/2003	10	28
SBR1	SBR1-SW-05-12-0256	05/12/2003	0256	05/21/2003	9	28
SBR1	SBR1-SW-05-12-0656	05/12/2003	0656	05/21/2003	9	28
SBR1	SBR1-SW-05-12-1056	05/12/2003	1056	05/24/2003	12	28
SBR1	SBR1-SW-05-12-1456	05/12/2003	1456	05/24/2003	12	28
SBR1	SBR1-SW-05-12-1856	05/12/2003	1856	05/24/2003	12	28
SBR1	SBR1-SW-05-12-2256	05/12/2003	2256	05/24/2003	12	28
SBR1	SBR1-SW-05-13-0256	05/13/2003	0256	05/24/2003	11	28
SBR1	SBR1-SW-05-13-0656	05/13/2003	0656	05/24/2003	11	28
SBR1	SBR1-SW-05-13-1056	05/13/2003	1056	05/24/2003	11	28
SBR1	SBR1-SW-05-13-1456	05/13/2003	1456	05/24/2003	11	28
SBR1	SBR1-SW-05-13-1856	05/13/2003	1856	05/24/2003	11	28
SBR1	SBR1-SW-05-13-2256	05/13/2003	2256	05/24/2003	11	28
SBR1 Field Dup	SW1154	05/13/2003	2256	05/24/2003	11	28
SBR1	SBR1-SW-05-14-0256	05/14/2003	0256	05/24/2003	10	28
SBR1	SBR1-SW-05-14-0656	05/14/2003	0656	05/24/2003	10	28
SBR1 Lab Dup	SBR1-SW-05-14-0656	05/14/2003	0656	05/24/2003	10	28
SBR1 MS	SBR1-SW-05-14-0656	05/14/2003	0656	05/24/2003	10	28
SBR1 MSD	SBR1-SW-05-14-0656	05/14/2003	0656	05/24/2003	10	28
SBR1	SBR1-SW-05-14-1057	05/14/2003	1057	05/28/2003	14	28
SBR1	SBR1-SW-05-14-1456	05/14/2003	1456	05/28/2003	14	28
SBR1	SBR1-SW-05-14-1856	05/14/2003	1856	05/29/2003	15	28
SBR1	SBR1-SW-05-14-2256	05/14/2003	2256	05/29/2003	15	28
SBR1	SBR1-SW-05-15-0256	05/15/2003	0256	05/29/2003	14	28
SBR1	SBR1-SW-05-15-0656	05/15/2003	0656	05/29/2003	14	28
SBR1	SBR1-SW-05-15-1056	05/15/2003	1056	05/29/2003	14	28
SBR1	SBR1-SW-05-15-1456	05/15/2003	1456	05/29/2003	14	28
SBR1	SBR1-SW-05-15-1856	05/15/2003	1856	05/29/2003	14	28
SBR1	SBR1-SW-05-15-2256	05/15/2003	2256	05/29/2003	14	28
SBR1 Field Dup	SW1169	05/15/2003	2256	05/29/2003	14	28
SBR1	SBR1-SW-05-16-0256	05/16/2003	0256	05/29/2003	13	28
SBR1	SBR1-SW-05-16-0656	05/16/2003	0656	05/29/2003	13	28
SBR1	SBR1-SW-05-22-1150	05/22/2003	1150	05/29/2003	7	28
SBR1 Lab Dup	SBR1-SW-05-22-1150	05/22/2003	1150	05/30/2003	8	28
SBR1 MS	SBR1-SW-05-22-1150	05/22/2003	1150	05/30/2003	8	28
SBR1 MSD	SBR1-SW-05-22-1150	05/22/2003	1150	05/30/2003	8	28
SBR1	SBR1-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SBR1	SBR1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SBR1	SBR1-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SBR1	SBR1-SW-07-31-0700	07/31/2003	0700	08/05/2003	5	28
SBR1	SBR1-SW-08-14-0700	08/14/2003	0700	08/22/2003	8	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1 Field Dup	SW1187	08/28/2003	0700	09/03/2003	6	28
SBR1	SBR1-SW-08-28-0700	08/28/2003	0700	09/03/2003	6	28
SBR1	SBR1-SW-09-11-1045	09/11/2003	1045	09/16/2003	5	28
SBR1	SBR1-SW-09-19-1501	09/19/2003	1501	10/03/2003	14	28
SBR1	SBR1-SW-09-19-1901	09/19/2003	1901	10/03/2003	14	28
SBR1	SBR1-SW-09-19-2301	09/19/2003	2301	10/03/2003	14	28
SBR1	SBR1-SW-09-20-0301	09/20/2003	0301	10/03/2003	13	28
SBR1	SBR1-SW-09-20-0701	09/20/2003	0701	10/03/2003	13	28
SBR1	SBR1-SW-09-20-1101	09/20/2003	1101	10/03/2003	13	28
SBR1	SBR1-SW-09-20-1501	09/20/2003	1501	10/03/2003	13	28
SBR1	SBR1-SW-09-20-1901	09/20/2003	1901	10/03/2003	13	28
SBR1	SBR1-SW-09-20-2301	09/20/2003	2301	10/03/2003	13	28
SBR1 Field Dup	SW1237A	09/20/2003	2301	10/03/2003	13	28
SBR1	SBR1-SW-09-21-0301	09/21/2003	0301	10/03/2003	12	28
SBR1	SBR1-SW-09-21-0701	09/21/2003	0701	10/03/2003	12	28
SBR1 Lab Dup	SBR1-SW-09-21-0701	09/21/2003	0701	10/03/2003	12	28
SBR1 MS	SBR1-SW-09-21-0701	09/21/2003	0701	10/03/2003	12	28
SBR1 MSD	SBR1-SW-09-21-0701	09/21/2003	0701	10/03/2003	12	28
SBR1	SBR1-SW-09-21-1101	09/21/2003	1101	10/03/2003	12	28
SBR1	SBR1-SW-09-21-1501	09/21/2003	1501	10/03/2003	12	28
SBR1	SBR1-SW-09-21-1901	09/21/2003	1901	10/03/2003	12	28
SBR1	SBR1-SW-09-21-2301	09/21/2003	2301	10/03/2003	12	28
SBR1	SBR1-SW-09-22-0301	09/22/2003	0301	10/03/2003	11	28
SBR1	SBR1-SW-09-22-0701	09/22/2003	0701	10/03/2003	11	28
SBR1	SBR1-SW-09-22-1101	09/22/2003	1101	10/04/2003	12	28
SBR1	SBR1-SW-09-22-1501	09/22/2003	1501	10/04/2003	12	28
SBR1	SBR1-SW-09-22-1901	09/22/2003	1901	10/04/2003	12	28
SBR1	SBR1-SW-09-22-2301	09/22/2003	2301	10/04/2003	12	28
SBR1	SBR1-SW-09-23-0301	09/23/2003	0301	10/04/2003	11	28
SBR1	SBR1-SW-09-23-0701	09/23/2003	0701	10/04/2003	11	28
SBR1 Field Dup	SW1261	09/23/2003	0701	10/05/2003	12	28
SBR1	SBR1-SW-09-23-1101	09/23/2003	1101	10/05/2003	12	28
SBR1 Lab Dup	SBR1-SW-09-23-1101	09/23/2003	1101	10/05/2003	12	28
SBR1 MS	SBR1-SW-09-23-1101	09/23/2003	1101	10/05/2003	12	28
SBR1 MSD	SBR1-SW-09-23-1101	09/23/2003	1101	10/05/2003	12	28
SBR1	SBR1-SW-09-23-1501	09/23/2003	1501	10/05/2003	12	28
SBR1	SBR1-SW-09-23-1901	09/23/2003	1901	10/05/2003	12	28
SBR1	SBR1-SW-09-23-2301	09/23/2003	2301	10/05/2003	12	28
SBR1	SBR1-SW-09-24-0301	09/24/2003	0301	10/05/2003	11	28
SBR1	SBR1-SW-09-24-0701	09/24/2003	0701	10/05/2003	11	28
SBR1	SBR1-SW-09-24-1101	09/24/2003	1101	10/17/2003	23	28
SBR1	SBR1-SW-09-24-1501	09/24/2003	1501	10/17/2003	23	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1	SBR1-SW-09-24-1901	09/24/2003	1901	10/17/2003	23	28
SBR1	SBR1-SW-09-24-2301	09/24/2003	2301	10/17/2003	23	28
SBR1 Field Dup	SW1274	09/24/2003	2301	10/17/2003	23	28
SBR1	SBR1-SW-09-25-0301	09/25/2003	0301	10/17/2003	22	28
SBR1	SBR1-SW-09-25-0701	09/25/2003	0701	10/17/2003	22	28
SBR1 Lab Dup	SBR1-SW-09-25-0701	09/25/2003	0701	10/17/2003	22	28
SBR1 MS	SBR1-SW-09-25-0701	09/25/2003	0701	10/17/2003	22	28
SBR1 MSD	SBR1-SW-09-25-0701	09/25/2003	0701	10/17/2003	22	28
SBR1	SBR1-SW-09-25-1101	09/25/2003	1101	10/17/2003	22	28
SBR1	SBR1-SW-09-25-1501	09/25/2003	1501	10/17/2003	22	28
SBR1	SBR1-SW-09-25-1901	09/25/2003	1901	10/17/2003	22	28
SBR1	SBR1-SW-09-25-2301	09/25/2003	2301	10/17/2003	22	28
SBR1	SBR1-SW-09-26-0301	09/26/2003	0301	10/17/2003	21	28
SBR1	SBR1-SW-09-26-0701	09/26/2003	0701	10/17/2003	21	28
SBR1	SBR1-SW-09-26-1101	09/26/2003	1101	10/09/2003	13	28
SBR1	SBR1-SW-09-26-1501	09/26/2003	1501	10/09/2003	13	28
SBR1	SBR1-SW-09-26-1901	09/26/2003	1901	10/09/2003	13	28
SBR1	SBR1-SW-09-26-2301	09/26/2003	2301	10/09/2003	13	28
SBR1	SBR1-SW-09-27-0301	09/27/2003	0301	10/09/2003	12	28
SBR1	SBR1-SW-09-27-0701	09/27/2003	0701	10/09/2003	12	28
SBR1 Lab Dup	SBR1-SW-09-27-0701	09/27/2003	0701	10/09/2003	12	28
SBR1 MS	SBR1-SW-09-27-0701	09/27/2003	0701	10/09/2003	12	28
SBR1 MSD	SBR1-SW-09-27-0701	09/27/2003	0701	10/09/2003	12	28
SBR1	SBR1-SW-09-27-1101	09/27/2003	1101	10/09/2003	12	28
SBR1	SBR1-SW-09-27-1501	09/27/2003	1501	10/09/2003	12	28
SBR1 Field Dup	SW1297	09/27/2003	1501	10/09/2003	12	28
SBR1	SBR1-SW-09-27-1901	09/27/2003	1901	10/09/2003	12	28
SBR1	SBR1-SW-09-27-2301	09/27/2003	2301	10/10/2003	13	28
SBR1	SBR1-SW-09-28-0301	09/28/2003	0301	10/10/2003	12	28
SBR1	SBR1-SW-09-28-0701	09/28/2003	0701	10/10/2003	12	28
SBR1	SBR1-SW-09-28-1101	09/28/2003	1101	10/10/2003	12	28
SBR1	SBR1-SW-09-28-1501	09/28/2003	1501	10/10/2003	12	28
SBR1	SBR1-SW-09-28-1901	09/28/2003	1901	10/10/2003	12	28
SBR1	SBR1-SW-09-28-2301	09/28/2003	2301	10/10/2003	12	28
SBR1	SBR1-SW-09-29-0301	09/29/2003	0301	10/10/2003	11	28
SBR1	SBR1-SW-09-29-0701	09/29/2003	0701	10/10/2003	11	28
SBR1 Field Dup	SW1298	09/29/2003	0701	10/10/2003	11	28
SBR1	SBR1-SW-09-29-1102	09/29/2003	1101	10/10/2003	11	28
SBR1	SBR1-SW-09-29-1501	09/29/2003	1501	10/12/2003	13	28
SBR1	SBR1-SW-09-29-1901	09/29/2003	1901	10/12/2003	13	28
SBR1	SBR1-SW-09-29-2301	09/29/2003	2301	10/12/2003	13	28
SBR1	SBR1-SW-09-30-0301	09/30/2003	0301	10/12/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR1 Field Dup	SW1306	09/30/2003	0301	10/12/2003	12	28
SBR1	SBR1-SW-09-30-0701	09/30/2003	0701	10/12/2003	12	28
SBR1	SBR1-SW-09-30-1101	09/30/2003	1101	10/12/2003	12	28
SBR1 Lab Dup	SBR1-SW-09-30-1101	09/30/2003	1101	10/12/2003	12	28
SBR1 MS	SBR1-SW-09-30-1101	09/30/2003	1101	10/12/2003	12	28
SBR1 MSD	SBR1-SW-09-30-1101	09/30/2003	1101	10/12/2003	12	28
SBR1	SBR1-SW-09-30-1501	09/30/2003	1501	10/12/2003	12	28
SBR1	SBR1-SW-09-30-1901	09/30/2003	1901	10/12/2003	12	28
SBR1	SBR1-SW-09-30-2301	09/30/2003	2301	10/12/2003	12	28
SBR1	SBR1-SW-10-01-0301	10/01/2003	0301	10/12/2003	11	28
SBR1	SBR1-SW-10-01-0701	10/01/2003	0701	10/12/2003	11	28
SBR2	SBR2-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
SBR2	SBR2-SW-10-18-0700	10/18/2002	0700	10/22/2002	4	28
SBR2	SBR2-SW-10-19-0700	10/19/2002	0700	10/24/2002	5	28
SBR2	SBR2-SW-10-20-0700	10/20/2002	0700	10/23/2002	3	28
SBR2	SBR2-SW-10-21-0700	10/21/2002	0700	10/23/2002	2	28
SBR2	SBR2-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SBR2	SBR2-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
SBR2	SBR2-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
SBR2	SBR2-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SBR2	SBR2-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
SBR2	SBR2-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SBR2	SBR2-SW-10-28-0659	10/28/2002	0659	10/31/2002	3	28
SBR2	SBR2-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SBR2	SBR2-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SBR2	SBR2-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SBR2	SBR2-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SBR2	SBR2-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SBR2	SBR2-IDW-Composite	11/26/2002	1445	11/29/2002	3	28
SBR2	SBR2-IDW-Water	11/26/2002	1445	11/29/2002	3	28
SBR2	SBR2-IDW-Composite	11/26/2002	1445	11/29/2002	3	28
SBR2	SBR2-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SBR2	SBR2-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR2	SBR2-SW-01-02-0702	01/02/2003	0702	01/06/2003	4	28
SBR2	SBR2-SW-01-16-0704	01/16/2003	0704	01/17/2003	1	28
SBR2	SBR2-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SBR2	SBR2-SW-02-13-0702	02/13/2003	0702	02/19/2003	6	28
SBR2	SBR2-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
SBR2	SBR2-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SBR2	SBR2-SW-04-10-1409	04/10/2003	1409	04/15/2003	5	28
SBR2	SBR2-SW-04-24-1216	04/24/2003	1216	04/29/2003	5	28
SBR2	SBR2-SW-05-01-1010	05/01/2003	1010	05/03/2003	2	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-05-01-1017	05/01/2003	1017	05/03/2003	2	28
SBR2	SBR2-SW-05-01-1117	05/01/2003	1117	05/03/2003	2	28
SBR2	SBR2-SW-05-01-1517	05/01/2003	1517	05/03/2003	2	28
SBR2	SBR2-SW-05-01-2317	05/01/2003	2317	05/03/2003	2	28
SBR2	SBR2-SW-05-02-0317	05/02/2003	0317	05/03/2003	1	28
SBR2 Field Dup	SW1060	05/02/2003	0317	05/03/2003	1	28
SBR2	SBR2-SW-05-02-0717	05/02/2003	0717	05/03/2003	1	28
SBR2	SBR2-SW-05-02-1117	05/02/2003	1117	05/11/2003	9	28
SBR2	SBR2-SW-05-02-1517	05/02/2003	1517	05/11/2003	9	28
SBR2	SBR2-SW-05-02-1917	05/02/2003	1917	05/11/2003	9	28
SBR2	SBR2-SW-05-02-1917	05/02/2003	2317	05/12/2003	10	28
SBR2 Field Dup	SW1075	05/02/2003	2317	05/12/2003	10	28
SBR2	SBR2-SW-05-03-0317	05/03/2003	0317	05/11/2003	8	28
SBR2	SBR2-SW-05-03-0717	05/03/2003	0717	05/12/2003	9	28
SBR2 Field Dup	SW1077	05/03/2003	0717	05/12/2003	9	28
SBR2	SBR2-SW-05-03-1117	05/03/2003	1117	05/11/2003	8	28
SBR2	SBR2-SW-05-03-1517	05/03/2003	1517	05/12/2003	9	28
SBR2	SBR2-SW-05-03-1917	05/03/2003	1917	05/11/2003	8	28
SBR2	SBR2-SW-05-03-2317	05/03/2003	2317	05/08/2003	5	28
SBR2	SBR2-SW-05-04-0317	05/04/2003	0317	05/11/2003	7	28
SBR2	SBR2-SW-05-04-0717	05/04/2003	0717	05/07/2003	3	28
SBR2	SBR2-SW-05-04-1117	05/04/2003	1117	05/11/2003	7	28
SBR2	SBR2-SW-05-04-1517	05/04/2003	1517	05/11/2003	7	28
SBR2 Lab Dup	SBR2-SW-05-04-1517	05/04/2003	1517	05/11/2003	7	28
SBR2 MS	SBR2-SW-05-04-1517	05/04/2003	1517	05/11/2003	7	28
SBR2 MSD	SBR2-SW-05-04-1517	05/04/2003	1517	05/11/2003	7	28
SBR2	SBR2-SW-05-04-1917	05/04/2003	1917	05/07/2003	3	28
SBR2	SBR2-SW-05-04-2317	05/04/2003	2317	05/12/2003	8	28
SBR2	SBR2-SW-05-05-0717	05/05/2003	0717	05/12/2003	7	28
SBR2	SBR2-SW-05-05-0717	05/05/2003	0717	05/15/2003	10	28
SBR2	SBR2-SW-05-05-1117	05/05/2003	1117	05/17/2003	12	28
SBR2	SBR2-SW-05-05-1400	05/05/2003	1400	05/17/2003	12	28
SBR2 Lab Dup	SBR2-SW-05-05-1400	05/05/2003	1400	05/17/2003	12	28
SBR2 MS	SBR2-SW-05-05-1400	05/05/2003	1400	05/17/2003	12	28
SBR2 MSD	SBR2-SW-05-05-1400	05/05/2003	1400	05/17/2003	12	28
SBR2	SBR2-SW-05-05-1800	05/05/2003	1800	05/17/2003	12	28
SBR2	SBR2-SW-05-05-2200	05/05/2003	2200	05/17/2003	12	28
SBR2	SBR2-SW-05-06-0200	05/06/2003	0200	05/17/2003	11	28
SBR2 Field Dup	SW1098	05/06/2003	0200	05/17/2003	11	28
SBR2	SBR2-SW-05-06-0600	05/06/2003	0600	05/17/2003	11	28
SBR2	SBR2-SW-05-06-1000	05/06/2003	1000	05/17/2003	11	28
SBR2	SBR2-SW-05-06-1400	05/06/2003	1400	05/17/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-05-06-1800	05/06/2003	1800	05/17/2003	11	28
SBR2	SBR2-SW-05-06-2200	05/06/2003	2200	05/17/2003	11	28
SBR2	SBR2-SW-05-07-0200	05/07/2003	0200	05/17/2003	10	28
SBR2	SBR2-SW-05-07-0600	05/07/2003	0600	05/17/2003	10	28
SBR2	SBR2-SW-05-07-1000	05/07/2003	1000	05/22/2003	15	28
SBR2	SBR2-SW-05-07-1400	05/07/2003	1400	05/18/2003	11	28
SBR2	SBR2-SW-05-07-1423	05/07/2003	1423	05/24/2003	17	28
SBR2	SBR2-SW-05-07-1800	05/07/2003	1800	05/24/2003	17	28
SBR2	SBR2-SW-05-07-2200	05/07/2003	2200	05/24/2003	17	28
SBR2	SBR2-SW-05-08-0200	05/08/2003	0200	05/24/2003	16	28
SBR2	SBR2-SW-05-08-0600	05/08/2003	0600	05/19/2003	11	28
SBR2	SBR2-SW-05-08-1000	05/08/2003	1000	05/19/2003	11	28
SBR2	SBR2-SW-05-08-1400	05/08/2003	1400	05/19/2003	11	28
SBR2	SBR2-SW-05-08-1800	05/08/2003	1800	05/19/2003	11	28
SBR2 Field Dup	SW1116	05/08/2003	1800	05/19/2003	11	28
SBR2	SBR2-SW-05-08-2200	05/08/2003	2200	05/19/2003	11	28
SBR2	SBR2-SW-05-09-0200	05/09/2003	0200	05/19/2003	10	28
SBR2	SBR2-SW-05-09-0600	05/09/2003	0600	05/19/2003	10	28
SBR2	SBR2-SW-05-09-1000	05/09/2003	1000	05/20/2003	11	28
SBR2 Lab Dup	SBR2-SW-05-09-1000	05/09/2003	1000	05/20/2003	11	28
SBR2 MS	SBR2-SW-05-09-1000	05/09/2003	1000	05/20/2003	11	28
SBR2 MSD	SBR2-SW-05-09-1000	05/09/2003	1000	05/20/2003	11	28
SBR2	SBR2-SW-05-09-1311	05/09/2003	1311	05/20/2003	11	28
SBR2 Field Dup	SW1138	05/09/2003	1311	05/20/2003	11	28
SBR2	SBR2-SW-05-09-1400	05/09/2003	1400	05/20/2003	11	28
SBR2	SBR2-SW-05-09-1800	05/09/2003	1800	05/20/2003	11	28
SBR2	SBR2-SW-05-09-2200	05/09/2003	2200	05/20/2003	11	28
SBR2	SBR2-SW-05-10-0200	05/10/2003	0200	05/20/2003	10	28
SBR2	SBR2-SW-05-10-0600	05/10/2003	0600	05/20/2003	10	28
SBR2	SBR2-SW-05-10-1000	05/10/2003	1000	05/20/2003	10	28
SBR2	SBR2-SW-05-10-1400	05/10/2003	1400	05/20/2003	10	28
SBR2	SBR2-SW-05-10-1800	05/10/2003	1800	05/20/2003	10	28
SBR2	SBR2-SW-05-10-2200	05/10/2003	2200	05/20/2003	10	28
SBR2	SBR2-SW-05-11-0200	05/11/2003	0200	05/20/2003	9	28
SBR2 Field Dup	SW1139	05/11/2003	0200	05/20/2003	9	28
SBR2	SBR2-SW-05-11-0600	05/11/2003	0600	05/20/2003	9	28
SBR2	SBR2-SW-05-11-1000	05/11/2003	1000	05/20/2003	9	28
SBR2	SBR2-SW-05-11-1400	05/11/2003	1400	05/20/2003	9	28
SBR2	SBR2-SW-05-11-1800	05/11/2003	1800	05/20/2003	9	28
SBR2	SBR2-SW-05-11-2200	05/11/2003	2200	05/20/2003	9	28
SBR2	SBR2-SW-05-12-0200	05/12/2003	0200	05/20/2003	8	28
SBR2	SBR2-SW-05-12-0600	05/12/2003	0600	05/20/2003	8	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-05-12-1000	05/12/2003	1000	05/24/2003	12	28
SBR2	SBR2-SW-05-12-1400	05/12/2003	1400	05/24/2003	12	28
SBR2	SBR2-SW-05-12-1800	05/12/2003	1800	05/24/2003	12	28
SBR2	SBR2-SW-05-12-2200	05/12/2003	2200	05/24/2003	12	28
SBR2	SBR2-SW-05-13-0200	05/13/2003	0200	05/24/2003	11	28
SBR2	SBR2-SW-05-13-0600	05/13/2003	0600	05/24/2003	11	28
SBR2	SBR2-SW-05-13-1000	05/13/2003	1000	05/24/2003	11	28
SBR2	SBR2-SW-05-13-1400	05/13/2003	1400	05/24/2003	11	28
SBR2 Field Dup	SW1155	05/13/2003	1400	05/26/2003	13	28
SBR2	SBR2-SW-05-13-1800	05/13/2003	1800	05/24/2003	11	28
SBR2	SBR2-SW-05-13-2200	05/13/2003	2200	05/24/2003	11	28
SBR2	SBR2-SW-05-14-0200	05/14/2003	0200	05/24/2003	10	28
SBR2	SBR2-SW-05-14-0600	05/14/2003	0600	05/24/2003	10	28
SBR2	SBR2-SW-05-14-1000	05/14/2003	1000	05/29/2003	15	28
SBR2	SBR2-SW-05-14-1400	05/14/2003	1400	05/28/2003	14	28
SBR2 Lab Dup	SBR2-SW-05-14-1400	05/14/2003	1400	05/28/2003	14	28
SBR2 MS	SBR2-SW-05-14-1400	05/14/2003	1400	05/28/2003	14	28
SBR2 MSD	SBR2-SW-05-14-1400	05/14/2003	1400	05/28/2003	14	28
SBR2	SBR2-SW-05-14-1800	05/14/2003	1800	05/29/2003	15	28
SBR2	SBR2-SW-05-14-2200	05/14/2003	2200	05/29/2003	15	28
SBR2	SBR2-SW-05-15-0200	05/15/2003	0200	05/29/2003	14	28
SBR2	SBR2-SW-05-15-0600	05/15/2003	0600	05/29/2003	14	28
SBR2	SBR2-SW-05-15-1000	05/15/2003	1000	05/29/2003	14	28
SBR2	SBR2-SW-05-15-1400	05/15/2003	1400	05/29/2003	14	28
SBR2 Field Dup	SW1170	05/15/2003	1400	05/29/2003	14	28
SBR2	SBR2-SW-05-15-1800	05/15/2003	1800	05/29/2003	14	28
SBR2	SBR2-SW-05-15-2200	05/15/2003	2200	05/29/2003	14	28
SBR2	SBR2-SW-05-16-0200	05/16/2003	0200	05/29/2003	13	28
SBR2	SBR2-SW-05-16-0600	05/16/2003	0600	05/29/2003	13	28
SBR2	SBR2-SW-05-22-1322	05/22/2003	1322	05/30/2003	8	28
SBR2	SBR2-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SBR2	SBR2-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
SBR2	SBR2-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SBR2	SBR2-SW-07-17-0659	07/17/2003	0659	07/24/2003	7	28
SBR2	SBR2-SW-07-31-0659	07/31/2003	0659	08/05/2003	5	28
SBR2	SBR2-SW-08-14-0659	08/14/2003	0659	08/22/2003	8	28
SBR2	SBR2-SW-08-28-1255	08/28/2003	1255	09/03/2003	6	28
SBR2	SBR2-SW-09-12-1743	09/12/2003	1743	09/18/2003	6	28
SBR2	SBR2-SW-09-12-2143	09/12/2003	2143	09/18/2003	6	28
SBR2	SBR2-SW-09-13-0143	09/13/2003	0143	09/18/2003	5	28
SBR2	SBR2-SW-09-13-0543	09/13/2003	0543	09/18/2003	5	28
SBR2 Field Dup	SW1204	09/13/2003	0543	09/18/2003	5	28

TABLE 3

HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-09-13-0943	09/13/2003	0943	09/18/2003	5	28
SBR2	SBR2-SW-09-13-1343	09/13/2003	1343	09/18/2003	5	28
SBR2	SBR2-SW-09-13-1743	09/13/2003	1743	09/18/2003	5	28
SBR2	SBR2-SW-09-13-2143	09/13/2003	2143	09/18/2003	5	28
SBR2	SBR2-SW-09-14-0143	09/14/2003	0143	09/19/2003	5	28
SBR2	SBR2-SW-09-14-0943	09/14/2003	0943	09/19/2003	5	28
SBR2 Lab Dup	SBR2-SW-09-14-0943	09/14/2003	0943	09/19/2003	5	28
SBR2 MS	SBR2-SW-09-14-0943	09/14/2003	0943	09/19/2003	5	28
SBR2 MSD	SBR2-SW-09-14-0943	09/14/2003	0943	09/19/2003	5	28
SBR2	SBR2-SW-09-14-1343	09/14/2003	1343	09/19/2003	5	28
SBR2	SBR2-SW-09-14-1743	09/14/2003	1743	09/19/2003	5	28
SBR2	SBR2-SW-09-14-2143	09/14/2003	2143	09/19/2003	5	28
SBR2	SBR2-SW-09-15-0143	09/15/2003	0143	09/19/2003	4	28
SBR2	SBR2-SW-09-15-0543	09/15/2003	0543	09/19/2003	4	28
SBR2	SBR2-SW-09-15-0943	09/15/2003	0943	09/19/2003	4	28
SBR2	SBR2-SW-09-15-1343	09/15/2003	1343	09/19/2003	4	28
SBR2 Field Dup	SW1205	09/15/2003	1343	09/19/2003	4	28
SBR2	SBR2-SW-09-15-1743	09/15/2003	1743	09/21/2003	6	28
SBR2	SBR2-SW-09-15-2143	09/15/2003	2143	09/22/2003	7	28
SBR2	SBR2-SW-09-16-0143	09/16/2003	0143	09/22/2003	6	28
SBR2	SBR2-SW-09-16-0543	09/16/2003	0543	09/22/2003	6	28
SBR2 Field Dup	SW1212	09/16/2003	0543	09/22/2003	6	28
SBR2	SBR2-SW-09-16-0943	09/16/2003	0943	09/22/2003	6	28
SBR2	SBR2-SW-09-16-1343	09/16/2003	1343	09/22/2003	6	28
SBR2	SBR2-SW-09-16-2143	09/16/2003	2143	09/22/2003	6	28
SBR2	SBR2-SW-09-17-0143	09/17/2003	0143	09/22/2003	5	28
SBR2	SBR2-SW-09-17-0543	09/17/2003	0543	09/22/2003	5	28
SBR2	SBR2-SW-09-17-0943	09/17/2003	0943	09/22/2003	5	28
SBR2	SBR2-SW-09-19-1343	09/17/2003	1343	09/30/2003	13	28
SBR2	SBR2-SW-09-19-1743	09/17/2003	1743	09/30/2003	13	28
SBR2	SBR2-SW-09-19-2143	09/17/2003	2143	09/30/2003	13	28
SBR2 Lab Dup	SBR2-SW-09-19-2143	09/17/2003	2143	09/30/2003	13	28
SBR2 MS	SBR2-SW-09-19-2143	09/17/2003	2143	09/30/2003	13	28
SBR2 MSD	SBR2-SW-09-19-2143	09/17/2003	2143	09/30/2003	13	28
SBR2	SBR2-SW-09-18-0143	09/18/2003	0143	09/30/2003	12	28
SBR2	SBR2-SW-09-18-0543	09/18/2003	0543	09/30/2003	12	28
SBR2 Field Dup	SW1223	09/18/2003	0543	09/30/2003	12	28
SBR2	SBR2-SW-09-18-0943	09/18/2003	0943	09/30/2003	12	28
SBR2	SBR2-SW-09-18-1343	09/18/2003	1343	09/30/2003	12	28
SBR2	SBR2-SW-09-18-1743	09/18/2003	1743	09/30/2003	12	28
SBR2	SBR2-SW-09-18-2143	09/18/2003	2143	09/30/2003	12	28
SBR2	SBR2-SW-09-19-0143	09/19/2003	0143	09/30/2003	11	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-09-19-0543	09/19/2003	0543	09/30/2003	11	28
SBR2	SBR2-SW-09-19-0943	09/19/2003	0943	09/30/2003	11	28
SBR2	SBR2-SW-09-19-1343	09/19/2003	1343	09/30/2003	11	28
SBR2	SBR2-SW-09-19-1743	09/19/2003	1743	10/03/2003	14	28
SBR2	SBR2-SW-09-19-2143	09/19/2003	2143	10/03/2003	14	28
SBR2 Field Dup	SW1237B	09/19/2003	2143	10/03/2003	14	28
SBR2	SBR2-SW-09-20-0143	09/20/2003	0143	10/03/2003	13	28
SBR2	SBR2-SW-09-20-0543	09/20/2003	0543	10/03/2003	13	28
SBR2	SBR2-SW-09-20-0943	09/20/2003	0943	10/03/2003	13	28
SBR2	SBR2-SW-09-20-1343	09/20/2003	1343	10/04/2003	14	28
SBR2	SBR2-SW-09-20-2143	09/20/2003	2143	10/04/2003	14	28
SBR2 Lab Dup	SBR2-SW-09-20-2143	09/20/2003	2143	10/04/2003	14	28
SBR2 MS	SBR2-SW-09-20-2143	09/20/2003	2143	10/04/2003	14	28
SBR2 MSD	SBR2-SW-09-20-2143	09/20/2003	2143	10/04/2003	14	28
SBR2	SBR2-SW-09-21-0143	09/21/2003	0143	10/04/2003	13	28
SBR2	SBR2-SW-09-21-0543	09/21/2003	0543	10/04/2003	13	28
SBR2	SBR2-SW-09-21-0943	09/21/2003	0943	10/04/2003	13	28
SBR2	SBR2-SW-09-21-1343	09/21/2003	1343	10/04/2003	13	28
SBR2 Field Dup	SW1238	09/21/2003	1343	10/04/2003	13	28
SBR2	SBR2-SW-09-21-1743	09/21/2003	1743	10/04/2003	13	28
SBR2	SBR2-SW-09-21-2143	09/21/2003	2143	10/04/2003	13	28
SBR2	SBR2-SW-09-22-0143	09/22/2003	0143	10/04/2003	12	28
SBR2	SBR2-SW-09-22-0543	09/22/2003	0543	10/04/2003	12	28
SBR2	SBR2-SW-09-22-0943	09/22/2003	0943	10/04/2003	12	28
SBR2	SBR2-SW-09-22-1343	09/22/2003	1343	10/04/2003	12	28
SBR2 Field Dup	SW1265	09/22/2003	1343	10/04/2003	12	28
SBR2	SBR2-SW-09-22-1743	09/22/2003	1743	10/04/2003	12	28
SBR2	SBR2-SW-09-22-2143	09/22/2003	2143	10/04/2003	12	28
SBR2	SBR2-SW-09-23-0143	09/23/2003	0143	10/04/2003	11	28
SBR2	SBR2-SW-09-23-0543	09/23/2003	0543	10/04/2003	11	28
SBR2	SBR2-SW-09-23-0943	09/23/2003	0943	10/04/2003	11	28
SBR2	SBR2-SW-09-23-1343	09/23/2003	1343	10/04/2003	11	28
SBR2	SBR2-SW-09-23-1743	09/23/2003	1743	10/04/2003	11	28
SBR2	SBR2-SW-09-23-2143	09/23/2003	2143	10/04/2003	11	28
SBR2 Lab Dup	SBR2-SW-09-23-2143	09/23/2003	2143	10/04/2003	11	28
SBR2 MS	SBR2-SW-09-23-2143	09/23/2003	2143	10/04/2003	11	28
SBR2 MSD	SBR2-SW-09-23-2143	09/23/2003	2143	10/04/2003	11	28
SBR2	SBR2-SW-09-24-0143	09/24/2003	0143	10/04/2003	10	28
SBR2	SBR2-SW-09-24-0943	09/24/2003	0943	10/04/2003	10	28
SBR2 Field Dup	SW1266	09/24/2003	0943	10/04/2003	10	28
SBR2	SBR2-SW-09-24-1343	09/24/2003	1343	10/04/2003	10	28
SBR2	SBR2-SW-09-24-1743	09/24/2003	1743	10/17/2003	23	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2 Field Dup	SW1275	09/24/2003	1743	10/17/2003	23	28
SBR2	SBR2-SW-09-24-2143	09/24/2003	2143	10/17/2003	23	28
SBR2	SBR2-SW-09-25-0143	09/25/2003	0143	10/17/2003	22	28
SBR2	SBR2-SW-09-25-0543	09/25/2003	0543	10/17/2003	22	28
SBR2	SBR2-SW-09-25-0943	09/25/2003	0943	10/17/2003	22	28
SBR2	SBR2-SW-09-25-1343	09/25/2003	1343	10/17/2003	22	28
SBR2	SBR2-SW-09-25-1743	09/25/2003	1743	10/17/2003	22	28
SBR2	SBR2-SW-09-25-2143	09/25/2003	2143	10/17/2003	22	28
SBR2	SBR2-SW-09-26-0143	09/26/2003	0143	10/17/2003	21	28
SBR2	SBR2-SW-09-26-0543	09/26/2003	0543	10/17/2003	21	28
SBR2	SBR2-SW-09-26-0943	09/26/2003	0943	10/17/2003	21	28
SBR2 Field Dup	SW1276	09/26/2003	0943	10/17/2003	21	28
SBR2	SBR2-SW-09-26-1343	09/26/2003	1343	10/11/2003	15	28
SBR2	SBR2-SW-09-26-1743	09/26/2003	1743	10/11/2003	15	28
SBR2	SBR2-SW-09-26-2143	09/26/2003	2143	10/11/2003	15	28
SBR2	SBR2-SW-09-27-0143	09/27/2003	0143	10/11/2003	14	28
SBR2	SBR2-SW-09-27-0543	09/27/2003	0543	10/11/2003	14	28
SBR2	SBR2-SW-09-27-0943	09/27/2003	0943	10/11/2003	14	28
SBR2	SBR2-SW-09-27-1343	09/27/2003	1343	10/11/2003	14	28
SBR2	SBR2-SW-09-27-1743	09/27/2003	1743	10/11/2003	14	28
SBR2	SBR2-SW-09-27-2143	09/27/2003	2143	10/11/2003	14	28
SBR2 Field Dup	SW1299	09/27/2003	2143	10/11/2003	14	28
SBR2	SBR2-SW-09-28-0143	09/28/2003	0143	10/11/2003	13	28
SBR2	SBR2-SW-09-28-0543	09/28/2003	0543	10/11/2003	13	28
SBR2	SBR2-SW-09-28-0943	09/28/2003	0943	10/13/2003	15	28
SBR2	SBR2-SW-09-28-1343	09/28/2003	1343	10/13/2003	15	28
SBR2 Lab Dup	SBR2-SW-09-28-1343	09/28/2003	1343	10/13/2003	15	28
SBR2 MS	SBR2-SW-09-28-1343	09/28/2003	1343	10/13/2003	15	28
SBR2 MSD	SBR2-SW-09-28-1343	09/28/2003	1343	10/13/2003	15	28
SBR2	SBR2-SW-09-28-1743	09/28/2003	1743	10/13/2003	15	28
SBR2	SBR2-SW-09-28-2143	09/28/2003	2143	10/13/2003	15	28
SBR2	SBR2-SW-09-29-0143	09/29/2003	0143	10/13/2003	14	28
SBR2	SBR2-SW-09-29-0543	09/29/2003	0543	10/13/2003	14	28
SBR2	SBR2-SW-09-29-0943	09/29/2003	0943	10/13/2003	14	28
SBR2	SBR2-SW-09-29-1343	09/29/2003	1343	10/13/2003	14	28
SBR2 Field Dup	SW1300	09/29/2003	1343	10/13/2003	14	28
SBR2	SBR2-SW-09-29-1743	09/29/2003	1743	10/12/2003	13	28
SBR2	SBR2-SW-09-29-2143	09/29/2003	2143	10/12/2003	13	28
SBR2	SBR2-SW-09-30-0143	09/30/2003	0143	10/13/2003	13	28
SBR2	SBR2-SW-09-30-0543	09/30/2003	0543	10/13/2003	13	28
SBR2 Field Dup	SW1307	09/30/2003	0543	10/13/2003	13	28
SBR2	SBR2-SW-09-30-0943	09/30/2003	0943	10/13/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR2	SBR2-SW-09-30-1343	09/30/2003	1343	10/13/2003	13	28
SBR2	SBR2-SW-09-30-1743	09/30/2003	1743	10/13/2003	13	28
SBR2	SBR2-SW-09-30-2143	09/30/2003	2143	10/13/2003	13	28
SBR2	SBR2-SW-10-01-0143	10/01/2003	0143	10/13/2003	12	28
SBR2	SBR2-SW-10-01-0543	10/01/2003	0543	10/13/2003	12	28
SBR2	SBR2-SW-10-01-0943	10/01/2003	0943	10/13/2003	12	28
SBR3	SBR3-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
SBR3	SBR3-SW-10-18-0700	10/18/2002	0700	10/22/2002	4	28
SBR3	SBR3-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
SBR3	SBR3-SW-10-20-0700	10/20/2002	0700	10/23/2002	3	28
SBR3	SBR3-SW-10-21-0700	10/21/2002	0700	10/23/2002	2	28
SBR3	SBR3-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SBR3	SBR3-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
SBR3	SBR3-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
SBR3	SBR3-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SBR3	SBR3-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
SBR3	SBR3-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SBR3	SBR3-SW-10-28-0659	10/28/2002	0659	11/03/2002	6	28
SBR3	SBR3-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SBR3	SBR3-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SBR3	SBR3-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SBR3	SBR3-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SBR3	SBR3-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SBR3	SBR3-IDW-Composite	11/26/2002	1525	11/30/2002	4	28
SBR3	SBR3-IDW-Water	11/26/2002	1525	11/29/2002	3	28
SBR3	SBR3-IDW-Composite	11/26/2002	1525	11/30/2002	4	28
SBR3 Lab Dup	SBR3-IDW-Composite	11/26/2002	1525	11/29/2002	3	28
SBR3 MS	SBR3-IDW-Composite	11/26/2002	1525	11/29/2002	3	28
SBR3 MSD	SBR3-IDW-Composite	11/26/2002	1525	11/29/2002	3	28
SBR3	SBR3-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SBR3	SBR3-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR3 Lab Dup	SBR3-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR3 MS	SBR3-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR3 MSD	SBR3-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR3	SBR3-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
SBR3	SBR3-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SBR3	SBR3-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
SBR3	SBR3-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR3 Lab Dup	SBR3-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR3 MS	SBR3-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR3 MSD	SBR3-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR3	SBR3-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR3	SBR3-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SBR3	SBR3-SW-04-10-1445	04/10/2003	1445	04/15/2003	5	28
SBR3	SBR3-SW-04-24-1308	04/24/2003	1308	04/29/2003	5	28
SBR3	SBR3-SW-05-01-1939	05/01/2003	1939	05/03/2003	2	28
SBR3	SBR3-SW-05-01-1952	05/01/2003	1952	05/03/2003	2	28
SBR3	SBR3-SW-05-01-2352	05/01/2003	2352	05/03/2003	2	28
SBR3	SBR3-SW-05-02-0352	05/02/2003	0352	05/03/2003	1	28
SBR3	SBR3-SW-05-02-1552	05/02/2003	1552	05/07/2003	5	28
SBR3 Lab Dup	SBR3-SW-05-02-1552	05/02/2003	1552	05/07/2003	5	28
SBR3 MS	SBR3-SW-05-02-1552	05/02/2003	1552	05/07/2003	5	28
SBR3 MSD	SBR3-SW-05-02-1552	05/02/2003	1552	05/07/2003	5	28
SBR3	SBR3-SW-05-02-1952	05/02/2003	1952	05/07/2003	5	28
SBR3	SBR3-SW-05-02-2352	05/02/2003	2352	05/09/2003	7	28
SBR3	SBR3-SW-05-03-0352	05/03/2003	0352	05/07/2003	4	28
SBR3	SBR3-SW-05-03-0752	05/03/2003	0752	05/07/2003	4	28
SBR3	SBR3-SW-05-03-1152	05/03/2003	1152	05/07/2003	4	28
SBR3	SBR3-SW-05-03-1552	05/03/2003	1552	05/09/2003	6	28
SBR3	SBR3-SW-05-03-1952	05/03/2003	1952	05/09/2003	6	28
SBR3	SBR3-SW-05-03-2352	05/03/2003	2352	05/14/2003	11	28
SBR3	SBR3-SW-05-04-0352	05/04/2003	0352	05/12/2003	8	28
SBR3	SBR3-SW-05-04-0752	05/04/2003	0752	05/08/2003	4	28
SBR3	SBR3-SW-05-04-1152	05/04/2003	1152	05/08/2003	4	28
SBR3	SBR3-SW-05-04-1552	05/04/2003	1552	05/09/2003	5	28
SBR3	SBR3-SW-05-04-1952	05/04/2003	1952	05/08/2003	4	28
SBR3	SBR3-SW-05-04-2352	05/04/2003	2352	05/08/2003	4	28
SBR3	SBR3-SW-05-05-0352	05/05/2003	0352	05/07/2003	2	28
SBR3 Field Dup	SW1074	05/05/2003	0352	05/07/2003	2	28
SBR3	SBR3-SW-05-05-0752	05/05/2003	0752	05/18/2003	13	28
SBR3 Field Dup	SW1100	05/05/2003	0752	05/18/2003	13	28
SBR3	SBR3-SW-05-05-1152	05/05/2003	1152	05/18/2003	13	28
SBR3	SBR3-SW-05-05-1552	05/05/2003	1552	05/18/2003	13	28
SBR3	SBR3-SW-05-05-1952	05/05/2003	1952	05/18/2003	13	28
SBR3	SBR3-SW-05-05-2352	05/05/2003	2352	05/18/2003	13	28
SBR3	SBR3-SW-05-06-0352	05/06/2003	0352	05/18/2003	12	28
SBR3	SBR3-SW-05-06-0752	05/06/2003	0752	05/18/2003	12	28
SBR3	SBR3-SW-05-06-1152	05/06/2003	1152	05/18/2003	12	28
SBR3	SBR3-SW-05-06-1552	05/06/2003	1552	05/18/2003	12	28
SBR3	SBR3-SW-05-06-1952	05/06/2003	1952	05/18/2003	12	28
SBR3	SBR3-SW-05-06-2352	05/06/2003	2352	05/18/2003	12	28
SBR3 Field Dup	SW1101	05/06/2003	2352	05/18/2003	12	28
SBR3	SBR3-SW-05-07-0352	05/07/2003	0352	05/18/2003	11	28
SBR3 Lab Dup	SBR3-SW-05-07-0352	05/07/2003	0352	05/18/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR3 MS	SBR3-SW-05-07-0352	05/07/2003	0352	05/18/2003	11	28
SBR3 MSD	SBR3-SW-05-07-0352	05/07/2003	0352	05/18/2003	11	28
SBR3	SBR3-SW-05-07-0752	05/07/2003	0752	05/19/2003	12	28
SBR3 Lab Dup	SBR3-SW-05-07-0752	05/07/2003	0752	05/19/2003	12	28
SBR3 MS	SBR3-SW-05-07-0752	05/07/2003	0752	05/19/2003	12	28
SBR3 MSD	SBR3-SW-05-07-0752	05/07/2003	0752	05/19/2003	12	28
SBR3	SBR3-SW-05-07-1152	05/07/2003	1152	05/20/2003	13	28
SBR3 Field Dup	SW1118	05/07/2003	1152	05/20/2003	13	28
SBR3	SBR3-SW-05-22-1349	05/22/2003	1349	05/30/2003	8	28
SBR3	SBR3-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SBR3	SBR3-SW-08-28-1320	08/28/2003	1320	09/04/2003	7	28
SBR3	SBR3-SW-09-17-1340	09/17/2003	1340	09/25/2003	8	28
SBR3	SBR3-SW-09-17-1740	09/17/2003	1740	09/25/2003	8	28
SBR3	SBR3-SW-09-17-2140	09/17/2003	2140	09/25/2003	8	28
SBR3	SBR3-SW-09-18-0140	09/18/2003	0140	09/25/2003	7	28
SBR3	SBR3-SW-09-18-0540	09/18/2003	0540	09/25/2003	7	28
SBR3	SBR3-SW-09-18-0940	09/18/2003	0940	09/24/2003	6	28
SBR3 Lab Dup	SBR3-SW-09-18-0940	09/18/2003	0940	09/25/2003	7	28
SBR3 MS	SBR3-SW-09-18-0940	09/18/2003	0940	09/25/2003	7	28
SBR3 MSD	SBR3-SW-09-18-0940	09/18/2003	0940	09/25/2003	7	28
SBR3	SBR3-SW-09-18-1340	09/18/2003	1340	09/25/2003	7	28
SBR3	SBR3-SW-09-18-1740	09/18/2003	1740	09/25/2003	7	28
SBR3 Field Dup	SW1217	09/18/2003	1740	09/25/2003	7	28
SBR3	SBR3-SW-09-18-2140	09/18/2003	2140	09/25/2003	7	28
SBR3	SBR3-SW-09-19-0140	09/19/2003	0140	09/25/2003	6	28
SBR3	SBR3-SW-09-19-0540	09/19/2003	0540	09/25/2003	6	28
SBR3	SBR3-SW-09-19-0940	09/19/2003	0940	10/03/2003	14	28
SBR3 Lab Dup	SBR3-SW-09-19-0940	09/19/2003	0940	10/03/2003	14	28
SBR3 MS	SBR3-SW-09-19-0940	09/19/2003	0940	10/03/2003	14	28
SBR3 MSD	SBR3-SW-09-19-0940	09/19/2003	0940	10/03/2003	14	28
SBR3	SBR3-SW-09-19-1340	09/19/2003	1340	10/01/2003	12	28
SBR3	SBR3-SW-09-19-1740	09/19/2003	1740	10/01/2003	12	28
SBR3	SBR3-SW-09-19-2140	09/19/2003	2140	10/01/2003	12	28
SBR3	SBR3-SW-09-20-0140	09/20/2003	0140	10/01/2003	11	28
SBR3	SBR3-SW-09-20-0540	09/20/2003	0540	10/01/2003	11	28
SBR3	SBR3-SW-09-20-0940	09/20/2003	0940	10/01/2003	11	28
SBR3	SBR3-SW-09-20-1340	09/20/2003	1340	10/01/2003	11	28
SBR3	SBR3-SW-09-20-1740	09/20/2003	1740	10/01/2003	11	28
SBR3 Field Dup	SW1244	09/20/2003	1740	10/01/2003	11	28
SBR3	SBR3-SW-09-20-2140	09/20/2003	2140	10/01/2003	11	28
SBR3	SBR3-SW-09-21-0140	09/21/2003	0140	10/01/2003	10	28
SBR3	SBR3-SW-09-21-0540	09/21/2003	0540	10/01/2003	10	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR3	SBR3-SW-09-21-0940	09/21/2003	0940	10/01/2003	10	28
SBR3	SBR3-SW-09-21-1340	09/21/2003	1340	10/01/2003	10	28
SBR3	SBR3-SW-09-21-1740	09/21/2003	1740	10/01/2003	10	28
SBR3 Lab Dup	SBR3-SW-09-21-1740	09/21/2003	1740	10/01/2003	10	28
SBR3 MS	SBR3-SW-09-21-1740	09/21/2003	1740	10/01/2003	10	28
SBR3 MSD	SBR3-SW-09-21-1740	09/21/2003	1740	10/01/2003	10	28
SBR3	SBR3-SW-09-21-2140	09/21/2003	2140	10/03/2003	12	28
SBR3	SBR3-SW-09-22-0940	09/22/2003	0940	10/06/2003	14	28
SBR3	SBR3-SW-09-22-1340	09/22/2003	1340	10/06/2003	14	28
SBR3 Lab Dup	SBR3-SW-09-22-1340	09/22/2003	1340	10/06/2003	14	28
SBR3 MS	SBR3-SW-09-22-1340	09/22/2003	1340	10/06/2003	14	28
SBR3 MSD	SBR3-SW-09-22-1340	09/22/2003	1340	10/06/2003	14	28
SBR3	SBR3-SW-09-22-1740	09/22/2003	1740	10/06/2003	14	28
SBR3	SBR3-SW-09-22-2140	09/22/2003	2140	10/06/2003	14	28
SBR3	SBR3-SW-09-23-0140	09/23/2003	0140	10/06/2003	13	28
SBR3	SBR3-SW-09-23-0540	09/23/2003	0540	10/06/2003	13	28
SBR3	SBR3-SW-09-23-0940	09/23/2003	0940	10/06/2003	13	28
SBR3	SBR3-SW-09-23-1340	09/23/2003	1340	10/06/2003	13	28
SBR3 Field Dup	SW1258	09/23/2003	1340	10/06/2003	13	28
SBR3	SBR3-SW-09-23-1740	09/23/2003	1740	10/06/2003	13	28
SBR3	SBR3-SW-09-23-2140	09/23/2003	2140	10/06/2003	13	28
SBR3	SBR3-SW-09-24-0140	09/24/2003	0140	10/06/2003	12	28
SBR3	SBR3-SW-09-24-0540	09/24/2003	0540	10/06/2003	12	28
SBR3	SBR3-SW-09-24-0940	09/24/2003	0940	10/16/2003	22	28
SBR3	SBR3-SW-09-24-1340	09/24/2003	1340	10/16/2003	22	28
SBR3	SBR3-SW-09-24-1740	09/24/2003	1740	10/16/2003	22	28
SBR3	SBR3-SW-09-24-2140	09/24/2003	2140	10/16/2003	22	28
SBR3	SBR3-SW-09-25-0140	09/25/2003	0140	10/16/2003	21	28
SBR3	SBR3-SW-09-25-0540	09/25/2003	0540	10/16/2003	21	28
SBR3	SBR3-SW-09-25-0940	09/25/2003	0940	10/16/2003	21	28
SBR3	SBR3-SW-09-25-1340	09/25/2003	1340	10/16/2003	21	28
SBR3 Field Dup	SW1271	09/25/2003	1340	10/16/2003	21	28
SBR3	SBR3-SW-09-25-1740	09/25/2003	1740	10/16/2003	21	28
SBR3 Lab Dup	SBR3-SW-09-25-1740	09/25/2003	1740	10/16/2003	21	28
SBR3 MS	SBR3-SW-09-25-1740	09/25/2003	1740	10/16/2003	21	28
SBR3 MSD	SBR3-SW-09-25-1740	09/25/2003	1740	10/16/2003	21	28
SBR3	SBR3-SW-09-25-2140	09/25/2003	2140	10/16/2003	21	28
SBR3	SBR3-SW-09-26-0140	09/26/2003	0140	10/16/2003	20	28
SBR3	SBR3-SW-09-26-0540	09/26/2003	0540	10/16/2003	20	28
SBR3	SBR3-SW-09-26-0940	09/26/2003	0940	10/08/2003	12	28
SBR3	SBR3-SW-09-26-1340	09/26/2003	1340	10/08/2003	12	28
SBR3	SBR3-SW-09-26-1740	09/26/2003	1740	10/08/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR3	SBR3-SW-09-26-2140	09/26/2003	2140	10/08/2003	12	28
SBR3	SBR3-SW-09-27-0140	09/27/2003	0140	10/08/2003	11	28
SBR3 Field Dup	SW1286	09/27/2003	0140	10/08/2003	11	28
SBR3	SBR3-SW-09-27-0540	09/27/2003	0540	10/08/2003	11	28
SBR3	SBR3-SW-09-27-0940	09/27/2003	0940	10/08/2003	11	28
SBR3	SBR3-SW-09-27-1340	09/27/2003	1340	10/08/2003	11	28
SBR3	SBR3-SW-09-27-1740	09/27/2003	1740	10/08/2003	11	28
SBR3	SBR3-SW-09-27-2140	09/27/2003	2140	10/08/2003	11	28
SBR3	SBR3-SW-09-28-0140	09/28/2003	0140	10/08/2003	10	28
SBR3	SBR3-SW-09-28-0540	09/28/2003	0540	10/08/2003	10	28
SBR3	SBR3-SW-09-28-0940	09/28/2003	0940	10/08/2003	10	28
SBR4	SBR4-SW-17-10-0700	10/17/2002	0700	10/18/2002	1	28
SBR4	SBR4-SW-10-18-0700	10/18/2002	0700	10/22/2002	4	28
SBR4	SBR4-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
SBR4	SBR4-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SBR4	SBR4-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
SBR4	SBR4-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
SBR4	SBR4-SW-10-25-1250	10/25/2002	1250	10/28/2002	3	28
SBR4	SBR4-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
SBR4	SBR4-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SBR4	SBR4-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SBR4	SBR4-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SBR4	SBR4-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SBR4	SBR4-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SBR4	SBR4-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SBR4	SBR4-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SBR4	SBR4-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SBR4 Field Dup	SW1036	12/19/2002	0700	12/23/2002	4	28
SBR4	SBR4-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
SBR4	SBR4-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
SBR4	SBR4-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SBR4	SBR4-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
SBR4	SBR4-SW-02-27-0700	02/27/2003	0700	03/04/2003	5	28
SBR4 Field Dup	SW1048	02/27/2003	0700	03/04/2003	5	28
SBR4	SBR4-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
SBR4	SBR4-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SBR4	SBR4-SW-04-10-1435	04/10/2003	1435	04/15/2003	5	28
SBR4	SBR4-SW-04-24-1249	04/24/2003	1249	04/29/2003	5	28
SBR4	SBR4-SW-05-01-1939	05/01/2003	1939	05/03/2003	2	28
SBR4	SBR4-SW-05-01-2338	05/01/2003	2338	05/03/2003	2	28
SBR4	SBR4-SW-05-02-0338	05/02/2003	0338	05/03/2003	1	28
SBR4 Field Dup	SW1059	05/02/2003	0338	05/03/2003	1	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-05-02-1438	05/02/2003	1438	05/15/2003	13	28
SBR4 Field Dup	SW1067	05/02/2003	1438	05/15/2003	13	28
SBR4	SBR4-SW-05-02-1538	05/02/2003	1538	05/09/2003	7	28
SBR4	SBR4-SW-05-02-2338	05/02/2003	2338	05/14/2003	12	28
SBR4	SBR4-SW-05-03-0338	05/03/2003	0338	05/14/2003	11	28
SBR4	SBR4-SW-05-03-0730	05/03/2003	0730	05/07/2003	4	28
SBR4	SBR4-SW-05-03-1138	05/03/2003	1138	05/08/2003	5	28
SBR4	SBR4-SW-05-03-1538	05/03/2003	1538	05/14/2003	11	28
SBR4 Lab Dup	SBR4-SW-05-03-1538	05/03/2003	1538	05/14/2003	11	28
SBR4 MS	SBR4-SW-05-03-1538	05/03/2003	1538	05/14/2003	11	28
SBR4 MSD	SBR4-SW-05-03-1538	05/03/2003	1538	05/14/2003	11	28
SBR4	SBR4-SW-05-03-1938	05/03/2003	1938	05/08/2003	5	28
SBR4	SBR4-SW-05-03-2338	05/03/2003	2338	05/15/2003	12	28
SBR4	SBR4-SW-05-04-0338	05/04/2003	0338	05/14/2003	10	28
SBR4	SBR4-SW-05-04-0738	05/04/2003	0738	05/09/2003	5	28
SBR4	SBR4-SW-05-04-1138	05/04/2003	1138	05/09/2003	5	28
SBR4	SBR4-SW-05-04-1538	05/04/2003	1538	05/14/2003	10	28
SBR4 Field Dup	SW1069	05/04/2003	1538	05/14/2003	10	28
SBR4	SBR4-SW-05-04-1938	05/04/2003	1938	05/14/2003	10	28
SBR4	SBR4-SW-05-04-2338	05/04/2003	2338	05/09/2003	5	28
SBR4 Lab Dup	SBR4-SW-05-04-2338	05/04/2003	2338	05/09/2003	5	28
SBR4 MS	SBR4-SW-05-04-2338	05/04/2003	2338	05/09/2003	5	28
SBR4 MSD	SBR4-SW-05-04-2338	05/04/2003	2338	05/09/2003	5	28
SBR4	SBR4-SW-05-05-0338	05/05/2003	0338	05/15/2003	10	28
SBR4 Lab Dup	SBR4-SW-05-05-0338	05/05/2003	0338	05/15/2003	10	28
SBR4 MS	SBR4-SW-05-05-0338	05/05/2003	0338	05/15/2003	10	28
SBR4 MSD	SBR4-SW-05-05-0338	05/05/2003	0338	05/15/2003	10	28
SBR4	SBR4-SW-05-05-0738	05/05/2003	0738	05/17/2003	12	28
SBR4	SBR4-SW-05-05-1138	05/05/2003	1138	05/17/2003	12	28
SBR4 Field Dup	SW1099	05/05/2003	1538	05/17/2003	12	28
SBR4	SBR4-SW-05-05-1538	05/05/2003	1538	05/18/2003	13	28
SBR4	SBR4-SW-05-05-1938	05/05/2003	1938	05/17/2003	12	28
SBR4	SBR4-SW-05-05-2338	05/05/2003	2338	05/17/2003	12	28
SBR4	SBR4-SW-05-06-0338	05/06/2003	0338	05/17/2003	11	28
SBR4	SBR4-SW-05-06-0738	05/06/2003	0738	05/17/2003	11	28
SBR4	SBR4-SW-05-06-1138	05/06/2003	1138	05/17/2003	11	28
SBR4 Lab Dup	SBR4-SW-05-06-1138	05/06/2003	1138	05/17/2003	11	28
SBR4 MS	SBR4-SW-05-06-1138	05/06/2003	1138	05/17/2003	11	28
SBR4 MSD	SBR4-SW-05-06-1138	05/06/2003	1138	05/17/2003	11	28
SBR4	SBR4-SW-05-06-1538	05/06/2003	1538	05/28/2003	22	28
SBR4	SBR4-SW-05-06-1938	05/06/2003	1938	05/28/2003	22	28
SBR4	SBR4-SW-05-06-2338	05/06/2003	2338	05/28/2003	22	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-05-07-0338	05/07/2003	0338	05/28/2003	21	28
SBR4	SBR4-SW-05-07-0738	05/07/2003	0738	05/19/2003	12	28
SBR4	SBR4-SW-05-07-1138	05/07/2003	1138	05/19/2003	12	28
SBR4	SBR4-SW-05-07-1538	05/07/2003	1538	05/19/2003	12	28
SBR4	SBR4-SW-05-07-1938	05/07/2003	1938	05/19/2003	12	28
SBR4	SBR4-SW-05-07-2338	05/07/2003	2338	05/19/2003	12	28
SBR4	SBR4-SW-05-08-0338	05/08/2003	0338	05/19/2003	11	28
SBR4	SBR4-SW-05-08-0738	05/08/2003	0738	05/19/2003	11	28
SBR4 Field Dup	SW1117	05/08/2003	0738	05/19/2003	11	28
SBR4	SBR4-SW-05-08-1138	05/08/2003	1138	05/19/2003	11	28
SBR4	SBR4-SW-05-08-1538	05/08/2003	1538	05/19/2003	11	28
SBR4	SBR4-SW-05-08-1938	05/08/2003	1938	05/19/2003	11	28
SBR4	SBR4-SW-05-08-2338	05/08/2003	2338	05/20/2003	12	28
SBR4	SBR4-SW-05-09-0338	05/09/2003	0338	05/20/2003	11	28
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	05/20/2003	11	28
SBR4 Lab Dup	SBR4-SW-05-09-0738	05/09/2003	0738	05/20/2003	11	28
SBR4 MS	SBR4-SW-05-09-0738	05/09/2003	0738	05/20/2003	11	28
SBR4 MSD	SBR4-SW-05-09-0738	05/09/2003	0738	05/20/2003	11	28
SBR4	SBR4-SW-05-09-1138	05/09/2003	1138	05/21/2003	12	28
SBR4	SBR4-SW-05-09-1538	05/09/2003	1538	05/21/2003	12	28
SBR4 Field Dup	SW1140	05/09/2003	1538	05/21/2003	12	28
SBR4	SBR4-SW-05-09-1938	05/09/2003	1938	05/21/2003	12	28
SBR4	SBR4-SW-05-09-2338	05/09/2003	2338	05/21/2003	12	28
SBR4	SBR4-SW-05-10-0338	05/10/2003	0338	05/21/2003	11	28
SBR4	SBR4-SW-05-10-0738	05/10/2003	0738	05/21/2003	11	28
SBR4	SBR4-SW-05-10-1138	05/10/2003	1138	05/21/2003	11	28
SBR4	SBR4-SW-05-10-1538	05/10/2003	1538	05/21/2003	11	28
SBR4	SBR4-SW-05-10-1938	05/10/2003	1938	05/21/2003	11	28
SBR4	SBR4-SW-05-10-2338	05/10/2003	2338	05/21/2003	11	28
SBR4	SBR4-SW-05-11-0338	05/11/2003	0338	05/21/2003	10	28
SBR4	SBR4-SW-05-11-0738	05/11/2003	0738	05/21/2003	10	28
SBR4 Field Dup	SW1141	05/11/2003	0738	05/21/2003	10	28
SBR4	SBR4-SW-05-11-1138	05/11/2003	1138	05/21/2003	10	28
SBR4	SBR4-SW-05-11-1538	05/11/2003	1538	05/21/2003	10	28
SBR4	SBR4-SW-05-11-1938	05/11/2003	1938	05/21/2003	10	28
SBR4	SBR4-SW-05-11-2338	05/11/2003	2338	05/21/2003	10	28
SBR4	SBR4-SW-05-12-0338	05/12/2003	0338	05/21/2003	9	28
SBR4	SBR4-SW-05-12-0738	05/12/2003	0738	05/29/2003	17	28
SBR4	SBR4-SW-05-12-1138	05/12/2003	1138	05/29/2003	17	28
SBR4	SBR4-SW-05-12-1538	05/12/2003	1538	05/29/2003	17	28
SBR4	SBR4-SW-05-12-1938	05/12/2003	1938	05/29/2003	17	28
SBR4	SBR4-SW-05-12-2338	05/12/2003	2338	05/29/2003	17	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-05-13-0338	05/13/2003	0338	05/29/2003	16	28
SBR4 Field Dup	SW1156	05/13/2003	0338	05/29/2003	16	28
SBR4	SBR4-SW-05-13-0738	05/13/2003	0738	05/29/2003	16	28
SBR4	SBR4-SW-05-13-1138	05/13/2003	1138	05/29/2003	16	28
SBR4	SBR4-SW-05-13-1538	05/13/2003	1538	05/30/2003	17	28
SBR4	SBR4-SW-05-13-1938	05/13/2003	1938	05/30/2003	17	28
SBR4	SBR4-SW-05-13-2338	05/13/2003	2338	05/30/2003	17	28
SBR4	SBR4-SW-05-14-0338	05/14/2003	0338	05/30/2003	16	28
SBR4	SBR4-SW-05-14-0738	05/14/2003	0738	05/29/2003	15	28
SBR4	SBR4-SW-05-14-1138	05/14/2003	1138	05/29/2003	15	28
SBR4	SBR4-SW-05-14-1538	05/14/2003	1538	05/29/2003	15	28
SBR4	SBR4-SW-05-14-1938	05/14/2003	1938	05/29/2003	15	28
SBR4	SBR4-SW-05-14-2338	05/14/2003	2338	05/29/2003	15	28
SBR4	SBR4-SW-05-15-0338	05/15/2003	0338	05/29/2003	14	28
SBR4 Field Dup	SW1171	05/15/2003	0338	05/29/2003	14	28
SBR4	SBR4-SW-05-15-0738	05/15/2003	0738	05/29/2003	14	28
SBR4	SBR4-SW-05-15-1138	05/15/2003	1138	05/29/2003	14	28
SBR4 Lab Dup	SBR4-SW-05-15-1138	05/15/2003	1138	05/29/2003	14	28
SBR4 MS	SBR4-SW-05-15-1138	05/15/2003	1138	05/29/2003	14	28
SBR4 MSD	SBR4-SW-05-15-1138	05/15/2003	1138	05/29/2003	14	28
SBR4	SBR4-SW-05-15-1538	05/15/2003	1538	05/29/2003	14	28
SBR4	SBR4-SW-05-15-1938	05/15/2003	1938	05/29/2003	14	28
SBR4	SBR4-SW-05-15-2338	05/15/2003	2338	05/29/2003	14	28
SBR4	SBR4-SW-05-16-0338	05/16/2003	0338	05/29/2003	13	28
SBR4	SBR4-SW-05-22-1337	05/22/2003	1337	05/30/2003	8	28
SBR4	SBR4-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	07/16/2003	13	28
SBR4 Lab Dup	SBR4-SW-07-03-0700	07/03/2003	0700	07/16/2003	13	28
SBR4 MS	SBR4-SW-07-03-0700	07/03/2003	0700	07/16/2003	13	28
SBR4 MSD	SBR4-SW-07-03-0700	07/03/2003	0700	07/16/2003	13	28
SBR4	SBR4-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SBR4	SBR4-SW-07-31-0700	07/31/2003	0700	08/05/2003	5	28
SBR4	SBR4-SW-08-14-0700	08/14/2003	0700	08/22/2003	8	28
SBR4	SBR4-SW-08-28-0700	08/28/2003	1300	09/03/2003	6	28
SBR4 Field Dup	SW1188	08/28/2003	1300	09/03/2003	6	28
SBR4 Lab Dup	SBR4-SW-08-28-0700	08/28/2003	1300	09/03/2003	6	28
SBR4 MS	SBR4-SW-08-28-0700	08/28/2003	1300	09/03/2003	6	28
SBR4 MSD	SBR4-SW-08-28-0700	08/28/2003	1300	09/03/2003	6	28
SBR4	SBR4-SW-09-11-1740	09/11/2003	1740	09/19/2003	8	28
SBR4	SBR4-SW-09-11-2140	09/11/2003	2140	09/19/2003	8	28
SBR4	SBR4-SW-09-12-0140	09/12/2003	0140	09/19/2003	7	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-09-12-0540	09/12/2003	0540	09/19/2003	7	28
SBR4	SBR4-SW-09-12-0940	09/12/2003	0940	09/19/2003	7	28
SBR4	SBR4-SW-09-12-1340	09/12/2003	1340	09/19/2003	7	28
SBR4	SBR4-SW-09-12-1740	09/12/2003	1740	09/19/2003	7	28
SBR4	SBR4-SW-09-12-2140	09/12/2003	2140	09/19/2003	7	28
SBR4 Field Dup	SW1206	09/12/2003	2140	09/19/2003	7	28
SBR4	SBR4-SW-09-13-0140	09/13/2003	0140	09/23/2003	10	28
SBR4 Lab Dup	SBR4-SW-09-13-0140	09/13/2003	0140	09/23/2003	10	28
SBR4 MS	SBR4-SW-09-13-0140	09/13/2003	0140	09/23/2003	10	28
SBR4 MSD	SBR4-SW-09-13-0140	09/13/2003	0140	09/23/2003	10	28
SBR4	SBR4-SW-09-13-0540	09/13/2003	0540	09/19/2003	6	28
SBR4	SBR4-SW-09-13-0940	09/13/2003	0940	09/23/2003	10	28
SBR4	SBR4-SW-09-13-1340	09/13/2003	1340	09/23/2003	10	28
SBR4	SBR4-SW-09-13-1740	09/13/2003	1740	09/23/2003	10	28
SBR4	SBR4-SW-09-13-2140	09/13/2003	2140	09/23/2003	10	28
SBR4	SBR4-SW-09-14-0140	09/14/2003	0140	09/23/2003	9	28
SBR4	SBR4-SW-09-14-0540	09/14/2003	0540	09/23/2003	9	28
SBR4	SBR4-SW-09-14-0940	09/14/2003	0940	09/23/2003	9	28
SBR4	SBR4-SW-09-14-1340	09/14/2003	1340	09/23/2003	9	28
SBR4	SBR4-SW-09-14-1740	09/14/2003	1740	09/23/2003	9	28
SBR4	SBR4-SW-09-14-2140	09/14/2003	2140	09/23/2003	9	28
SBR4	SBR4-SW-09-15-0140	09/15/2003	0140	09/23/2003	8	28
SBR4	SBR4-SW-09-15-0540	09/15/2003	0540	09/23/2003	8	28
SBR4	SBR4-SW-09-15-0940	09/15/2003	0940	09/23/2003	8	28
SBR4 Lab Dup	SBR4-SW-09-15-0940	09/15/2003	0940	09/23/2003	8	28
SBR4 MS	SBR4-SW-09-15-0940	09/15/2003	0940	09/23/2003	8	28
SBR4 MSD	SBR4-SW-09-15-0940	09/15/2003	0940	09/23/2003	8	28
SBR4	SBR4-SW-09-15-1340	09/15/2003	1340	09/23/2003	8	28
SBR4 Field Dup	SW1207A	09/15/2003	1340	09/23/2003	8	28
SBR4	SBR4-SW-09-15-1740	09/15/2003	1740	09/22/2003	7	28
SBR4	SBR4-SW-09-15-2140	09/15/2003	2140	09/22/2003	7	28
SBR4	SBR4-SW-09-16-0140	09/16/2003	0140	09/22/2003	6	28
SBR4 Field Dup	SW1213	09/16/2003	0140	09/22/2003	6	28
SBR4	SBR4-SW-09-16-0540	09/16/2003	0540	09/22/2003	6	28
SBR4	SBR4-SW-09-16-0940	09/16/2003	0940	09/22/2003	6	28
SBR4	SBR4-SW-09-16-1340	09/16/2003	1340	09/22/2003	6	28
SBR4	SBR4-SW-09-16-1740	09/16/2003	1740	09/22/2003	6	28
SBR4	SBR4-SW-09-16-2140	09/16/2003	2140	09/22/2003	6	28
SBR4	SBR4-SW-09-17-0140	09/17/2003	0140	09/22/2003	5	28
SBR4	SBR4-SW-09-17-0540	09/17/2003	0540	09/22/2003	5	28
SBR4	SBR4-SW-09-17-1340	09/17/2003	1340	09/24/2003	7	28
SBR4	SBR4-SW-09-17-1740	09/17/2003	1740	09/24/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-09-17-2140	09/17/2003	2140	09/24/2003	7	28
SBR4	SBR4-SW-09-18-0140	09/18/2003	0140	09/24/2003	6	28
SBR4	SBR4-SW-09-18-0540	09/18/2003	0540	09/24/2003	6	28
SBR4	SBR4-SW-09-18-0940	09/18/2003	0940	09/24/2003	6	28
SBR4	SBR4-SW-09-18-1340	09/18/2003	1340	09/24/2003	6	28
SBR4	SBR4-SW-09-18-1740	09/18/2003	1740	09/24/2003	6	28
SBR4	SBR4-SW-09-18-2140	09/18/2003	2140	09/24/2003	6	28
SBR4 Field Dup	SW1216	09/18/2003	2140	09/24/2003	6	28
SBR4	SBR4-SW-09-19-0140	09/19/2003	0140	09/25/2003	6	28
SBR4	SBR4-SW-09-19-0540	09/19/2003	0540	09/25/2003	6	28
SBR4	SBR4-SW-09-19-0940	09/19/2003	0940	10/02/2003	13	28
SBR4	SBR4-SW-09-19-1340	09/19/2003	1340	10/02/2003	13	28
SBR4	SBR4-SW-09-19-1740	09/19/2003	1740	10/02/2003	13	28
SBR4 Field Dup	SW1231	09/19/2003	1740	10/02/2003	13	28
SBR4 Lab Dup	SBR4-SW-09-19-2140	09/19/2003	2140	09/24/2003	5	28
SBR4 MS	SBR4-SW-09-19-2140	09/19/2003	2140	09/24/2003	5	28
SBR4 MSD	SBR4-SW-09-19-2140	09/19/2003	2140	09/24/2003	5	28
SBR4	SBR4-SW-09-19-2140	09/19/2003	2140	10/02/2003	13	28
SBR4	SBR4-SW-09-20-0140	09/20/2003	0140	10/02/2003	12	28
SBR4	SBR4-SW-09-20-0540	09/20/2003	0540	10/02/2003	12	28
SBR4	SBR4-SW-09-20-0940	09/20/2003	0940	10/02/2003	12	28
SBR4	SBR4-SW-09-20-1340	09/20/2003	1340	10/02/2003	12	28
SBR4	SBR4-SW-09-20-1740	09/20/2003	1740	10/02/2003	12	28
SBR4	SBR4-SW-09-20-2140	09/20/2003	2140	10/02/2003	12	28
SBR4	SBR4-SW-09-21-0140	09/21/2003	0140	10/02/2003	11	28
SBR4 Lab Dup	SBR4-SW-09-21-0140	09/21/2003	0140	10/02/2003	11	28
SBR4 MS	SBR4-SW-09-21-0140	09/21/2003	0140	10/02/2003	11	28
SBR4 MSD	SBR4-SW-09-21-0140	09/21/2003	0140	10/02/2003	11	28
SBR4	SBR4-SW-09-21-0540	09/21/2003	0540	10/02/2003	11	28
SBR4	SBR4-SW-09-21-0940	09/21/2003	0940	10/02/2003	11	28
SBR4 Field Dup	SW1232	09/21/2003	0940	10/02/2003	11	28
SBR4	SBR4-SW-09-21-1340	09/21/2003	1340	10/02/2003	11	28
SBR4	SBR4-SW-09-21-1740	09/21/2003	1740	10/02/2003	11	28
SBR4	SBR4-SW-09-21-2140	09/21/2003	2140	10/02/2003	11	28
SBR4	SBR4-SW-09-22-0140	09/22/2003	0140	10/02/2003	10	28
SBR4	SBR4-SW-09-22-0540	09/22/2003	0540	10/02/2003	10	28
SBR4	SBR4-SW-09-22-0940	09/22/2003	0940	10/06/2003	14	28
SBR4	SBR4-SW-09-22-1340	09/22/2003	1340	10/06/2003	14	28
SBR4	SBR4-SW-09-22-1740	09/22/2003	1740	10/06/2003	14	28
SBR4	SBR4-SW-09-22-2140	09/22/2003	2140	10/06/2003	14	28
SBR4	SBR4-SW-09-23-0140	09/23/2003	0140	10/06/2003	13	28
SBR4	SBR4-SW-09-23-0540	09/23/2003	0540	10/06/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-09-23-0940	09/23/2003	0940	10/06/2003	13	28
SBR4	SBR4-SW-09-23-1340	09/23/2003	1340	10/06/2003	13	28
SBR4	SBR4-SW-09-23-1740	09/23/2003	1740	10/06/2003	13	28
SBR4	SBR4-SW-09-23-2140	09/23/2003	2140	10/06/2003	13	28
SBR4 Field Dup	SW1257	09/23/2003	2140	10/06/2003	13	28
SBR4	SBR4-SW-09-24-0140	09/24/2003	0140	10/06/2003	12	28
SBR4	SBR4-SW-09-24-0540	09/24/2003	0540	10/06/2003	12	28
SBR4	SBR4-SW-09-24-0940	09/24/2003	0940	10/15/2003	21	28
SBR4	SBR4-SW-09-24-1340	09/24/2003	1340	10/15/2003	21	28
SBR4	SBR4-SW-09-24-1740	09/24/2003	1740	10/15/2003	21	28
SBR4	SBR4-SW-09-24-2140	09/24/2003	2140	10/15/2003	21	28
SBR4	SBR4-SW-09-25-0140	09/25/2003	0140	10/15/2003	20	28
SBR4	SBR4-SW-09-25-0540	09/25/2003	0540	10/15/2003	20	28
SBR4	SBR4-SW-09-25-0940	09/25/2003	0940	10/15/2003	20	28
SBR4 Lab Dup	SBR4-SW-09-25-0940	09/25/2003	0940	10/15/2003	20	28
SBR4 MS	SBR4-SW-09-25-0940	09/25/2003	0940	10/15/2003	20	28
SBR4 MSD	SBR4-SW-09-25-0940	09/25/2003	0940	10/15/2003	20	28
SBR4	SBR4-SW-09-25-1340	09/25/2003	1340	10/15/2003	20	28
SBR4	SBR4-SW-09-25-1740	09/25/2003	1740	10/15/2003	20	28
SBR4	SBR4-SW-09-25-2140	09/25/2003	2140	10/15/2003	20	28
SBR4 Field Dup	SW1270	09/25/2003	2140	10/16/2003	21	28
SBR4	SBR4-SW-09-26-0140	09/26/2003	0140	10/16/2003	20	28
SBR4	SBR4-SW-09-26-0540	09/26/2003	0540	10/16/2003	20	28
SBR4	SBR4-SW-09-26-0940	09/26/2003	0940	10/10/2003	14	28
SBR4	SBR4-SW-09-26-1340	09/26/2003	1340	10/10/2003	14	28
SBR4	SBR4-SW-09-26-1740	09/26/2003	1740	10/10/2003	14	28
SBR4 Field Dup	SW1284	09/26/2003	1740	10/10/2003	14	28
SBR4	SBR4-SW-09-26-2140	09/26/2003	2140	10/10/2003	14	28
SBR4 Lab Dup	SBR4-SW-09-26-2140	09/26/2003	2140	10/10/2003	14	28
SBR4 MS	SBR4-SW-09-26-2140	09/26/2003	2140	10/10/2003	14	28
SBR4 MSD	SBR4-SW-09-26-2140	09/26/2003	2140	10/10/2003	14	28
SBR4	SBR4-SW-09-27-0140	09/27/2003	0140	10/10/2003	13	28
SBR4	SBR4-SW-09-27-0540	09/27/2003	0540	10/10/2003	13	28
SBR4	SBR4-SW-09-27-0940	09/27/2003	0940	10/11/2003	14	28
SBR4	SBR4-SW-09-27-1340	09/27/2003	1340	10/11/2003	14	28
SBR4	SBR4-SW-09-27-1740	09/27/2003	1740	10/11/2003	14	28
SBR4	SBR4-SW-09-27-2140	09/27/2003	2140	10/11/2003	14	28
SBR4	SBR4-SW-09-28-0140	09/28/2003	0140	10/11/2003	13	28
SBR4	SBR4-SW-09-28-0540	09/28/2003	0540	10/11/2003	13	28
SBR4	SBR4-SW-09-28-0940	09/28/2003	0940	10/11/2003	13	28
SBR4 Field Dup	SW1285	09/28/2003	0940	10/11/2003	13	28
SBR4	SBR4-SW-09-28-1340	09/28/2003	1340	10/11/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR4	SBR4-SW-09-28-1740	09/28/2003	1740	10/11/2003	13	28
SBR4	SBR4-SW-09-28-2140	09/28/2003	2140	10/11/2003	13	28
SBR4	SBR4-SW-09-29-0140	09/29/2003	0140	10/11/2003	12	28
SBR4	SBR4-SW-09-29-0540	09/29/2003	0540	10/11/2003	12	28
SBR4	SBR4-SW-09-29-0940	09/29/2003	0940	10/12/2003	13	28
SBR4	SBR4-SW-09-29-1340	09/29/2003	1340	10/12/2003	13	28
SBR4 Lab Dup	SBR4-SW-09-29-1340	09/29/2003	1340	10/12/2003	13	28
SBR4 MS	SBR4-SW-09-29-1340	09/29/2003	1340	10/12/2003	13	28
SBR4 MSD	SBR4-SW-09-29-1340	09/29/2003	1340	10/12/2003	13	28
SBR4	SBR4-SW-09-29-1740	09/29/2003	1740	10/12/2003	13	28
SBR4	SBR4-SW-09-29-2140	09/29/2003	2140	10/12/2003	13	28
SBR4	SBR4-SW-09-30-0140	09/30/2003	0140	10/12/2003	12	28
SBR4	SBR4-SW-09-30-0540	09/30/2003	0540	10/12/2003	12	28
SBR4	SBR4-SW-09-30-0940	09/30/2003	0940	10/12/2003	12	28
SBR4	SBR4-SW-09-30-1340	09/30/2003	1340	10/12/2003	12	28
SBR4	SBR4-SW-09-30-1740	09/30/2003	1740	10/12/2003	12	28
SBR4	SBR4-SW-09-30-2140	09/30/2003	2140	10/12/2003	12	28
SBR4 Field Dup	SW1303	09/30/2003	2140	10/12/2003	12	28
SBR4	SBR4-SW-10-01-0140	10/01/2003	0140	10/12/2003	11	28
SBR4	SBR4-SW-10-01-0540	10/01/2003	0540	10/12/2003	11	28
SBR5	SBR5-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
SBR5	SBR5-SW-10-18-0659	10/18/2002	0659	10/22/2002	4	28
SBR5	SBR5-SW-10-19-0659	10/19/2002	0659	10/23/2002	4	28
SBR5	SBR5-SW-10-20-0659	10/20/2002	0659	10/23/2002	3	28
SBR5	SBR5-SW-10-21-0659	10/21/2002	0659	10/23/2002	2	28
SBR5	SBR5-SW-10-22-0659	10/22/2002	0659	10/24/2002	2	28
SBR5	SBR5-SW-10-23-0659	10/23/2002	0659	10/25/2002	2	28
SBR5	SBR5-SW-10-24-0659	10/24/2002	0659	10/26/2002	2	28
SBR5	SBR5-SW-10-25-0659	10/25/2002	0659	10/28/2002	3	28
SBR5	SBR5-SW-10-26-0659	10/26/2002	0659	10/29/2002	3	28
SBR5	SBR5-SW-10-27-0659	10/27/2002	0659	10/30/2002	3	28
SBR5	SBR5-SW-10-28-0659	10/28/2002	0659	11/03/2002	6	28
SBR5	SBR5-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SBR5	SBR5-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SBR5	SBR5-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SBR5	SBR5-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SBR5	SBR5-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SBR5	SBR5-IDW-Composite	11/26/2002	1615	11/29/2002	3	28
SBR5	SBR5-IDW-Water	11/26/2002	1615	11/29/2002	3	28
SBR5	SBR5-IDW-Composite	11/26/2002	1615	11/29/2002	3	28
SBR5	SBR5-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SBR5	SBR5-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR5 Field Dup	SW1037	12/19/2002	0700	12/23/2002	4	28
SBR5	SBR5-SW-01-02-0702	01/02/2003	0702	01/06/2003	4	28
SBR5	SBR5-SW-01-30-0659	01/30/2003	0659	02/03/2003	4	28
SBR5	SBR5-SW-02-13-0659	02/13/2003	0659	02/19/2003	6	28
SBR5	SBR5-SW-02-27-0659	02/27/2003	0659	03/04/2003	5	28
SBR5	SBR5-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SBR5	SBR5-SW-04-10-0815	04/10/2003	0815	04/15/2003	5	28
SBR5	SBR5-SW-04-24-0724	04/24/2003	0724	04/29/2003	5	28
SBR5	SBR5-SW-05-02-1015	05/02/2003	1015	05/09/2003	7	28
SBR5	SBR5-SW-05-02-1404	05/02/2003	1404	05/14/2003	12	28
SBR5	SBR5-SW-05-02-1804	05/02/2003	1804	05/09/2003	7	28
SBR5	SBR5-SW-05-02-2204	05/02/2003	2204	05/09/2003	7	28
SBR5	SBR5-SW-05-03-0204	05/03/2003	0204	05/09/2003	6	28
SBR5 Field Dup	SW1073	05/03/2003	0204	05/09/2003	6	28
SBR5	SBR5-SW-05-03-0604	05/03/2003	0604	05/09/2003	6	28
SBR5	SBR5-SW-05-03-1004	05/03/2003	1004	05/08/2003	5	28
SBR5 Lab Dup	SBR5-SW-05-03-1004	05/03/2003	1004	05/08/2003	5	28
SBR5 MS	SBR5-SW-05-03-1004	05/03/2003	1004	05/08/2003	5	28
SBR5 MSD	SBR5-SW-05-03-1004	05/03/2003	1004	05/08/2003	5	28
SBR5	SBR5-SW-05-03-1404	05/03/2003	1404	05/14/2003	11	28
SBR5	SBR5-SW-05-03-1804	05/03/2003	1804	05/08/2003	5	28
SBR5 Field Dup	SW1072	05/03/2003	1804	05/09/2003	6	28
SBR5 Lab Dup	SBR5-SW-05-03-1804	05/03/2003	1804	05/09/2003	6	28
SBR5 MS	SBR5-SW-05-03-1804	05/03/2003	1804	05/09/2003	6	28
SBR5 MSD	SBR5-SW-05-03-1804	05/03/2003	1804	05/09/2003	6	28
SBR5	SBR5-SW-05-03-2204	05/03/2003	2204	05/08/2003	5	28
SBR5	SBR5-SW-05-04-0204	05/04/2003	0204	05/08/2003	4	28
SBR5	SBR5-SW-05-04-0604	05/04/2003	0604	05/09/2003	5	28
SBR5	SBR5-SW-05-04-1004	05/04/2003	1004	05/08/2003	4	28
SBR5	SBR5-SW-05-04-1404	05/04/2003	1404	05/08/2003	4	28
SBR5 Field Dup	SW1071	05/04/2003	1404	05/08/2003	4	28
SBR5	SBR5-SW-05-04-1804	05/04/2003	1804	05/09/2003	5	28
SBR5	SBR5-SW-05-04-2204	05/04/2003	2204	05/08/2003	4	28
SBR5	SBR5-SW-05-05-0204	05/05/2003	0204	05/09/2003	4	28
SBR5	SBR5-SW-05-05-0604	05/05/2003	0604	05/08/2003	3	28
SBR5	SBR5-SW-05-05-1004	05/05/2003	1004	05/13/2003	8	28
SBR5	SBR5-SW-05-05-1404	05/05/2003	1404	05/13/2003	8	28
SBR5	SBR5-SW-05-05-1804	05/05/2003	1804	05/13/2003	8	28
SBR5	SBR5-SW-05-05-2204	05/05/2003	2204	05/13/2003	8	28
SBR5 Field Dup	SW1086	05/05/2003	2204	05/13/2003	8	28
SBR5	SBR5-SW-05-06-0204	05/06/2003	0204	05/13/2003	7	28
SBR5	SBR5-SW-05-06-0604	05/06/2003	0604	05/13/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR5	SBR5-SW-05-06-1004	05/06/2003	1004	05/13/2003	7	28
SBR5	SBR5-SW-05-06-1404	05/06/2003	1404	05/13/2003	7	28
SBR5	SBR5-SW-05-06-1804	05/06/2003	1804	05/13/2003	7	28
SBR5	SBR5-SW-05-06-2204	05/06/2003	2204	05/13/2003	7	28
SBR5	SBR5-SW-05-07-0204	05/07/2003	0204	05/13/2003	6	28
SBR5	SBR5-SW-05-07-1004	05/07/2003	1004	05/21/2003	14	28
SBR5 Lab Dup	SBR5-SW-05-07-1004	05/07/2003	1004	05/21/2003	14	28
SBR5 MS	SBR5-SW-05-07-1004	05/07/2003	1004	05/21/2003	14	28
SBR5 MSD	SBR5-SW-05-07-1004	05/07/2003	1004	05/21/2003	14	28
SBR5	SBR5-SW-05-07-1404	05/07/2003	1404	05/22/2003	15	28
SBR5 Field Dup	SW1103	05/07/2003	1404	05/22/2003	15	28
SBR5	SBR5-SW-05-07-1804	05/07/2003	1804	05/22/2003	15	28
SBR5	SBR5-SW-05-07-2204	05/07/2003	2204	05/22/2003	15	28
SBR5	SBR5-SW-05-08-0204	05/08/2003	0204	05/22/2003	14	28
SBR5	SBR5-SW-05-08-0604	05/08/2003	0604	05/22/2003	14	28
SBR5	SBR5-SW-05-08-1004	05/08/2003	1004	05/22/2003	14	28
SBR5	SBR5-SW-05-08-1404	05/08/2003	1404	05/22/2003	14	28
SBR5	SBR5-SW-05-08-1804	05/08/2003	1804	05/22/2003	14	28
SBR5	SBR5-SW-05-08-2204	05/08/2003	2204	05/22/2003	14	28
SBR5	SBR5-SW-05-09-0204	05/09/2003	0204	05/22/2003	13	28
SBR5	SBR5-SW-05-09-0604	05/09/2003	0604	05/22/2003	13	28
SBR5 Field Dup	SW1104	05/09/2003	0604	05/22/2003	13	28
SBR5	SBR5-SW-05-09-1004	05/09/2003	1004	06/06/2003	28	28
SBR5 Lab Dup	SBR5-SW-05-09-1004	05/09/2003	1004	06/06/2003	28	28
SBR5 MS	SBR5-SW-05-09-1004	05/09/2003	1004	06/06/2003	28	28
SBR5 MSD	SBR5-SW-05-09-1004	05/09/2003	1004	06/06/2003	28	28
SBR5	SBR5-SW-05-09-1404	05/09/2003	1404	06/06/2003	28	28
SBR5 Field Dup	SW1120	05/09/2003	1404	06/07/2003	29	28
SBR5	SBR5-SW-05-09-1804	05/09/2003	1804	06/07/2003	29	28
SBR5	SBR5-SW-05-09-2204	05/09/2003	2204	06/07/2003	29	28
SBR5	SBR5-SW-05-10-0204	05/10/2003	0204	06/07/2003	28	28
SBR5	SBR5-SW-05-10-0604	05/10/2003	0604	06/07/2003	28	28
SBR5	SBR5-SW-05-10-1004	05/10/2003	1004	06/07/2003	28	28
SBR5	SBR5-SW-05-10-1404	05/10/2003	1404	06/07/2003	28	28
SBR5	SBR5-SW-05-10-1804	05/10/2003	1804	06/07/2003	28	28
SBR5	SBR5-SW-05-10-2204	05/10/2003	2204	06/07/2003	28	28
SBR5	SBR5-SW-05-11-0204	05/11/2003	0204	06/07/2003	27	28
SBR5	SBR5-SW-05-11-0604	05/11/2003	0604	06/07/2003	27	28
SBR5 Field Dup	SW1121	05/11/2003	0604	06/07/2003	27	28
SBR5	SBR5-SW-05-11-1004	05/11/2003	1004	06/07/2003	27	28
SBR5	SBR5-SW-05-11-1404	05/11/2003	1404	06/07/2003	27	28
SBR5	SBR5-SW-05-11-1804	05/11/2003	1804	06/07/2003	27	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR5	SBR5-SW-05-11-2204	05/11/2003	2204	06/04/2003	24	28
SBR5	SBR5-SW-05-12-0204	05/12/2003	0204	06/04/2003	23	28
SBR5	SBR5-SW-05-12-0604	05/12/2003	0604	06/04/2003	23	28
SBR5	SBR5-SW-05-12-1004	05/12/2003	1004	06/08/2003	27	28
SBR5	SBR5-SW-05-12-1404	05/12/2003	1404	06/08/2003	27	28
SBR5	SBR5-SW-05-12-1804	05/12/2003	1804	06/08/2003	27	28
SBR5	SBR5-SW-05-12-2204	05/12/2003	2204	06/08/2003	27	28
SBR5	SBR5-SW-05-13-0204	05/13/2003	0204	06/08/2003	26	28
SBR5	SBR5-SW-05-13-0604	05/13/2003	0604	06/08/2003	26	28
SBR5	SBR5-SW-05-13-1004	05/13/2003	1004	06/08/2003	26	28
SBR5 Lab Dup	SBR5-SW-05-13-1004	05/13/2003	1004	06/08/2003	26	28
SBR5 MS	SBR5-SW-05-13-1004	05/13/2003	1004	06/08/2003	26	28
SBR5 MSD	SBR5-SW-05-13-1004	05/13/2003	1004	06/08/2003	26	28
SBR5	SBR5-SW-05-13-1404	05/13/2003	1404	06/08/2003	26	28
SBR5 Field Dup	SW1143	05/13/2003	1404	06/08/2003	26	28
SBR5 Lab Dup	SBR5-SW-05-13-1404	05/13/2003	1404	06/08/2003	26	28
SBR5 MS	SBR5-SW-05-13-1404	05/13/2003	1404	06/08/2003	26	28
SBR5 MSD	SBR5-SW-05-13-1404	05/13/2003	1404	06/08/2003	26	28
SBR5	SBR5-SW-05-13-1804	05/13/2003	1804	06/08/2003	26	28
SBR5	SBR5-SW-05-13-2204	05/13/2003	2204	06/08/2003	26	28
SBR5	SBR5-SW-05-14-0204	05/14/2003	0204	06/08/2003	25	28
SBR5	SBR5-SW-05-14-0604	05/14/2003	0604	06/08/2003	25	28
SBR5	SBR5-SW-05-14-1004	05/14/2003	1004	05/25/2003	11	28
SBR5	SBR5-SW-05-14-1404	05/14/2003	1404	05/25/2003	11	28
SBR5	SBR5-SW-05-14-1803	05/14/2003	1803	05/25/2003	11	28
SBR5	SBR5-SW-05-14-2203	05/14/2003	2203	05/25/2003	11	28
SBR5	SBR5-SW-05-15-0204	05/15/2003	0204	05/25/2003	10	28
SBR5	SBR5-SW-05-15-0603	05/15/2003	0603	05/25/2003	10	28
SBR5 Lab Dup	SBR5-SW-05-15-0603	05/15/2003	0603	05/25/2003	10	28
SBR5 MS	SBR5-SW-05-15-0603	05/15/2003	0603	05/25/2003	10	28
SBR5 MSD	SBR5-SW-05-15-0603	05/15/2003	0603	05/25/2003	10	28
SBR5	SBR5-SW-05-15-1003	05/15/2003	1003	05/25/2003	10	28
SBR5	SBR5-SW-05-15-1403	05/15/2003	1403	05/26/2003	11	28
SBR5 Field Dup	SW1158	05/15/2003	1403	05/26/2003	11	28
SBR5	SBR5-SW-05-15-1803	05/15/2003	1803	05/26/2003	11	28
SBR5	SBR5-SW-05-15-2203	05/15/2003	2203	05/26/2003	11	28
SBR5	SBR5-SW-05-16-0203	05/16/2003	0203	05/26/2003	10	28
SBR5	SBR5-SW-05-16-0603	05/16/2003	0603	05/26/2003	10	28
SBR5	SBR5-SW-05-22-0757	05/22/2003	0757	05/30/2003	8	28
SBR5	SBR5-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
SBR5	SBR5-SW-06-19-0659	06/19/2003	0659	06/24/2003	5	28
SBR5 Field Dup	SW1177	06/19/2003	0659	06/24/2003	5	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR5	SBR5-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SBR5	SBR5-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
SBR5	SBR5-SW-08-14-0730	08/14/2003	0730	08/22/2003	8	28
SBR5	SBR5-SW-08-28-1345	08/28/2003	1345	09/03/2003	6	28
SBR5	SBR5-SW-09-11-0740	09/11/2003	0740	09/16/2003	5	28
SBR5	SBR5-SW-09-12-1711	09/12/2003	1711	09/23/2003	11	28
SBR5	SBR5-SW-09-12-2111	09/12/2003	2111	09/23/2003	11	28
SBR5	SBR5-SW-09-13-0111	09/13/2003	0111	09/23/2003	10	28
SBR5	SBR5-SW-09-22-0810	09/22/2003	0810	10/06/2003	14	28
SBR5	SBR5-SW-09-22-1210	09/22/2003	1210	10/06/2003	14	28
SBR5	SBR5-SW-09-22-1610	09/22/2003	1610	10/06/2003	14	28
SBR5	SBR5-SW-09-22-2010	09/22/2003	2010	10/06/2003	14	28
SBR5	SBR5-SW-09-23-0010	09/23/2003	0010	10/06/2003	13	28
SBR5	SBR5-SW-09-23-0410	09/23/2003	0410	10/06/2003	13	28
SBR5	SBR5-SW-09-23-0810	09/23/2003	0810	10/06/2003	13	28
SBR5 Lab Dup	SBR5-SW-09-23-0810	09/23/2003	0810	10/06/2003	13	28
SBR5 MS	SBR5-SW-09-23-0810	09/23/2003	0810	10/06/2003	13	28
SBR5 MSD	SBR5-SW-09-23-0810	09/23/2003	0810	10/06/2003	13	28
SBR5	SBR5-SW-09-23-1210	09/23/2003	1210	10/06/2003	13	28
SBR5	SBR5-SW-09-23-1610	09/23/2003	1610	10/06/2003	13	28
SBR5	SBR5-SW-09-23-2010	09/23/2003	2010	10/07/2003	14	28
SBR5	SBR5-SW-09-24-0010	09/24/2003	0010	10/07/2003	13	28
SBR5	SBR5-SW-09-24-0410	09/24/2003	0410	10/07/2003	13	28
SBR5 Field Dup	SW1256	09/24/2003	0410	10/07/2003	13	28
SBR5	SBR5-SW-09-24-0810	09/24/2003	0810	10/07/2003	13	28
SBR5	SBR5-SW-09-24-1211	09/24/2003	1211	10/15/2003	21	28
SBR5	SBR5-SW-09-24-1610	09/24/2003	1610	10/15/2003	21	28
SBR5 Field Dup	SW1268	09/24/2003	1610	10/15/2003	21	28
SBR5	SBR5-SW-09-24-2010	09/24/2003	2010	10/15/2003	21	28
SBR5	SBR5-SW-09-25-0010	09/25/2003	0010	10/15/2003	20	28
SBR5	SBR5-SW-09-25-0410	09/25/2003	0410	10/15/2003	20	28
SBR5	SBR5-SW-09-25-0811	09/25/2003	0811	10/15/2003	20	28
SBR5	SBR5-SW-09-25-1210	09/25/2003	1210	10/15/2003	20	28
SBR5	SBR5-SW-09-25-1610	09/25/2003	1610	10/15/2003	20	28
SBR5	SBR5-SW-09-25-2010	09/25/2003	2010	10/15/2003	20	28
SBR5	SBR5-SW-09-26-0011	09/26/2003	0011	10/15/2003	19	28
SBR5	SBR5-SW-09-26-0412	09/26/2003	0412	10/15/2003	19	28
SBR5	SBR5-SW-09-26-0812	09/26/2003	0812	10/15/2003	19	28
SBR5 Field Dup	SW1269	09/26/2003	0812	10/15/2003	19	28
SBR5	SBR5-SW-09-26-1211	09/26/2003	1211	10/10/2003	14	28
SBR5 Field Dup	SW1282	09/26/2003	1211	10/10/2003	14	28
SBR5	SBR5-SW-09-26-1611	09/26/2003	1611	10/10/2003	14	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SBR5	SBR5-SW-09-26-2011	09/26/2003	2011	10/10/2003	14	28
SBR5	SBR5-SW-09-27-0012	09/27/2003	0012	10/10/2003	13	28
SBR5	SBR5-SW-09-27-0412	09/27/2003	0412	10/10/2003	13	28
SBR5	SBR5-SW-09-27-0812	09/27/2003	0812	10/10/2003	13	28
SBR5	SBR5-SW-09-27-1212	09/27/2003	1212	10/10/2003	13	28
SBR5	SBR5-SW-09-27-1611	09/27/2003	1611	10/10/2003	13	28
SBR5	SBR5-SW-09-27-2012	09/27/2003	2012	10/10/2003	13	28
SBR5 Lab Dup	SBR5-SW-09-27-2012	09/27/2003	2012	10/10/2003	13	28
SBR5 MS	SBR5-SW-09-27-2012	09/27/2003	2012	10/10/2003	13	28
SBR5 MSD	SBR5-SW-09-27-2012	09/27/2003	2012	10/10/2003	13	28
SBR5	SBR5-SW-09-28-0012	09/28/2003	0012	10/10/2003	12	28
SBR5	SBR5-SW-09-28-0411	09/28/2003	0411	10/10/2003	12	28
SBR5 Field Dup	SW1283	09/28/2003	0411	10/10/2003	12	28
SC1	SC1-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
SC1 Field Dup	SW1001	10/17/2002	0700	10/18/2002	1	28
SC1	SC1-SW-18-10-0700	10/18/2002	0700	10/22/2002	4	28
SC1 Field Dup	SW1003	10/18/2002	0700	10/22/2002	4	28
SC1	SC1-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
SC1 Field Dup	SW1006	10/19/2002	0700	10/24/2002	5	28
SC1	SC1-SW-10-20-0700	10/20/2002	0700	10/23/2002	3	28
SC1	SC1-SW-10-21-0700	10/21/2002	0700	10/24/2002	3	28
SC1	SC1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SC1 Lab Dup	SC1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SC1 MS	SC1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SC1 MSD	SC1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SC1	SC1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
SC1	SC1-SW-10-24-0700	10/24/2002	0700	10/26/2002	2	28
SC1 Field Dup	SW1013	10/24/2002	0700	10/26/2002	2	28
SC1	SC1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SC1 Lab Dup	SC1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SC1 MS	SC1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SC1 MSD	SC1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
SC1	SC1-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
SC1	SC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SC1 Lab Dup	SC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SC1 MS	SC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SC1 MSD	SC1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SC1	SC1-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
SC1	SC1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SC1	SC1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SC1	SC1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SC1 Field Dup	SW1027	11/07/2002	0700	11/11/2002	4	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC1	SC1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SC1 Field Dup	SW1029	11/14/2002	0700	11/19/2002	5	28
SC1	SC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SC1 Lab Dup	SC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SC1 MS	SC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SC1 MSD	SC1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SC1	SC1-IDW-Composite	11/26/2002	1230	11/29/2002	3	28
SC1	SC1-IDW-Composite	11/26/2002	1230	11/29/2002	3	28
SC1	SC1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SC1 Field Dup	SW1035	12/05/2002	0700	12/11/2002	6	28
SC1	SC1-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SC1	SC1-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
SC1	SC1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
SC1	SC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SC1 Lab Dup	SC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SC1 MS	SC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SC1 MSD	SC1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SC1	SC1-SW-02-13-0659	02/13/2003	0659	02/19/2003	6	28
SC1	SC1-SW-02-27-0659	02/27/2003	0659	03/04/2003	5	28
SC1	SC1-SW-03-13-0659	03/13/2003	0659	03/21/2003	8	28
SC1 Field Dup	SW1049	03/13/2003	0659	03/21/2003	8	28
SC1	SC1-SW-03-27-0659	03/27/2003	0659	04/02/2003	6	28
SC1 Field Dup	SW1052	03/27/2003	0659	04/02/2003	6	28
SC1	SC1-SW-04-10-0955	04/10/2003	0955	04/15/2003	5	28
SC1	SC1-SW-04-24-0845	04/24/2003	0845	04/29/2003	5	28
SC1 Lab Dup	SC1-SW-04-24-0845	04/24/2003	0845	04/29/2003	5	28
SC1 MS	SC1-SW-04-24-0845	04/24/2003	0845	04/29/2003	5	28
SC1 MSD	SC1-SW-04-24-0845	04/24/2003	0845	04/29/2003	5	28
SC1	SC1-SW-05-02-0947	05/02/2003	0947	05/14/2003	12	28
SC1	SC1-SW-05-02-1131	05/02/2003	1131	05/14/2003	12	28
SC1	SC1-SW-05-02-1531	05/02/2003	1531	05/14/2003	12	28
SC1	SC1-SW-05-02-1931	05/02/2003	1931	05/14/2003	12	28
SC1	SC1-SW-05-02-2331	05/02/2003	2331	05/11/2003	9	28
SC1	SC1-SW-05-03-0331	05/03/2003	0331	05/10/2003	7	28
SC1 Field Dup	SW1065	05/03/2003	0331	05/10/2003	7	28
SC1	SC1-SW-05-03-0731	05/03/2003	0731	05/10/2003	7	28
SC1 Field Dup	SW1084	05/03/2003	0731	05/10/2003	7	28
SC1	SC1-SW-05-03-1131	05/03/2003	1131	05/10/2003	7	28
SC1	SC1-SW-05-03-1531	05/03/2003	1531	05/10/2003	7	28
SC1 Lab Dup	SC1-SW-05-03-1531	05/03/2003	1531	05/10/2003	7	28
SC1 MS	SC1-SW-05-03-1531	05/03/2003	1531	05/11/2003	8	28
SC1 MSD	SC1-SW-05-03-1531	05/03/2003	1531	05/11/2003	8	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC1	SC1-SW-05-03-1931	05/03/2003	1931	05/10/2003	7	28
SC1	SC1-SW-05-03-2331	05/03/2003	2331	05/10/2003	7	28
SC1	SC1-SW-05-04-0331	05/04/2003	0331	05/10/2003	6	28
SC1	SC1-SW-05-04-0731	05/04/2003	0731	05/10/2003	6	28
SC1	SC1-SW-05-04-1131	05/04/2003	1131	05/10/2003	6	28
SC1 Field Dup	SW1085	05/04/2003	1131	05/10/2003	6	28
SC1 Lab Dup	SC1-SW-05-04-1131	05/04/2003	1131	05/10/2003	6	28
SC1 MS	SC1-SW-05-04-1131	05/04/2003	1131	05/10/2003	6	28
SC1 MSD	SC1-SW-05-04-1131	05/04/2003	1131	05/10/2003	6	28
SC1	SC1-SW-05-04-1531	05/04/2003	1531	05/10/2003	6	28
SC1	SC1-SW-05-04-1931	05/04/2003	1931	05/10/2003	6	28
SC1	SC1-SW-05-04-2331	05/04/2003	2331	05/10/2003	6	28
SC1	SC1-SW-05-05-0331	05/05/2003	0331	05/10/2003	5	28
SC1	SC1-SW-05-05-0731	05/05/2003	0731	05/16/2003	11	28
SC1 Lab Dup	SC1-SW-05-05-0731	05/05/2003	0731	05/16/2003	11	28
SC1 MS	SC1-SW-05-05-0731	05/05/2003	0731	05/16/2003	11	28
SC1 MSD	SC1-SW-05-05-0731	05/05/2003	0731	05/16/2003	11	28
SC1	SC1-SW-05-05-1131	05/05/2003	1131	05/16/2003	11	28
SC1	SC1-SW-05-05-1531	05/05/2003	1531	05/16/2003	11	28
SC1	SC1-SW-05-05-1931	05/05/2003	1931	05/16/2003	11	28
SC1	SC1-SW-05-05-2331	05/05/2003	2331	05/16/2003	11	28
SC1	SC1-SW-05-06-0331	05/06/2003	0331	05/16/2003	10	28
SC1 Field Dup	SW1091	05/06/2003	0331	05/16/2003	10	28
SC1	SC1-SW-05-06-0731	05/06/2003	0731	05/16/2003	10	28
SC1	SC1-SW-05-06-1131	05/06/2003	1131	05/16/2003	10	28
SC1	SC1-SW-05-06-1531	05/06/2003	1531	05/16/2003	10	28
SC1	SC1-SW-05-06-1931	05/06/2003	1931	05/16/2003	10	28
SC1	SC1-SW-05-06-2331	05/06/2003	2331	05/16/2003	10	28
SC1	SC1-SW-05-07-0331	05/07/2003	0331	05/23/2003	16	28
SC1	SC1-SW-05-07-0731	05/07/2003	0731	06/02/2003	26	28
SC1	SC1-SW-05-07-1131	05/07/2003	1131	06/02/2003	26	28
SC1 Field Dup	SW1108	05/07/2003	1131	06/02/2003	26	28
SC1	SC1-SW-05-07-1531	05/07/2003	1531	06/02/2003	26	28
SC1	SC1-SW-05-07-1931	05/07/2003	1931	06/02/2003	26	28
SC1	SC1-SW-05-07-2331	05/07/2003	2331	06/02/2003	26	28
SC1	SC1-SW-05-08-0331	05/08/2003	0331	06/02/2003	25	28
SC1	SC1-SW-05-08-0731	05/08/2003	0731	06/01/2003	24	28
SC1	SC1-SW-05-08-1131	05/08/2003	1131	06/01/2003	24	28
SC1	SC1-SW-05-08-1531	05/08/2003	1531	06/01/2003	24	28
SC1	SC1-SW-05-08-1931	05/08/2003	1931	06/01/2003	24	28
SC1	SC1-SW-05-08-2331	05/08/2003	2331	06/01/2003	24	28
SC1 Field Dup	SW1109	05/08/2003	2331	06/01/2003	24	28

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HOLDING TIME DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC1	SC1-SW-05-09-0331	05/09/2003	0331	06/01/2003	23	28
SC1 Lab Dup	SC1-SW-05-09-0331	05/09/2003	0331	06/01/2003	23	28
SC1 MS	SC1-SW-05-09-0331	05/09/2003	0331	06/01/2003	23	28
SC1 MSD	SC1-SW-05-09-0331	05/09/2003	0331	06/01/2003	23	28
SC1	SC1-SW-05-09-0731	05/09/2003	0731	06/02/2003	24	28
SC1	SC1-SW-05-09-1131	05/09/2003	1131	06/04/2003	26	28
SC1	SC1-SW-05-09-1531	05/09/2003	1531	06/04/2003	26	28
SC1	SC1-SW-05-09-1931	05/09/2003	1931	06/03/2003	25	28
SC1	SC1-SW-05-09-2331	05/09/2003	2331	06/04/2003	26	28
SC1	SC1-SW-05-10-0331	05/10/2003	0331	06/03/2003	24	28
SC1	SC1-SW-05-10-0731	05/10/2003	0731	06/03/2003	24	28
SC1	SC1-SW-05-10-1131	05/10/2003	1131	06/03/2003	24	28
SC1	SC1-SW-05-10-1531	05/10/2003	1531	06/03/2003	24	28
SC1	SC1-SW-05-10-1931	05/10/2003	1931	06/03/2003	24	28
SC1 Field Dup	SW1128	05/10/2003	1931	06/03/2003	24	28
SC1	SC1-SW-05-10-2331	05/10/2003	2331	06/02/2003	23	28
SC1	SC1-SW-05-11-0331	05/11/2003	0331	06/03/2003	23	28
SC1	SC1-SW-05-11-0731	05/11/2003	0731	06/02/2003	22	28
SC1	SC1-SW-05-11-1131	05/11/2003	1131	06/03/2003	23	28
SC1	SC1-SW-05-11-1531	05/11/2003	1531	06/03/2003	23	28
SC1	SC1-SW-05-11-1931	05/11/2003	1931	06/04/2003	24	28
SC1	SC1-SW-05-11-2331	05/11/2003	2331	06/04/2003	24	28
SC1	SC1-SW-05-12-0331	05/12/2003	0331	06/04/2003	23	28
SC1	SC1-SW-05-12-0731	05/12/2003	0731	05/24/2003	12	28
SC1	SC1-SW-05-12-1131	05/12/2003	1131	05/29/2003	17	28
SC1	SC1-SW-05-12-1531	05/12/2003	1531	05/24/2003	12	28
SC1	SC1-SW-05-12-1931	05/12/2003	1931	05/24/2003	12	28
SC1	SC1-SW-05-12-2331	05/12/2003	2331	05/24/2003	12	28
SC1	SC1-SW-05-13-0331	05/13/2003	0331	05/24/2003	11	28
SC1	SC1-SW-05-13-0731	05/13/2003	0731	05/29/2003	16	28
SC1	SC1-SW-05-13-1131	05/13/2003	1131	05/29/2003	16	28
SC1	SC1-SW-05-13-1531	05/13/2003	1531	05/24/2003	11	28
SC1	SC1-SW-05-13-1931	05/13/2003	1931	05/24/2003	11	28
SC1 Field Dup	SW1148	05/13/2003	1931	05/24/2003	11	28
SC1	SC1-SW-05-13-2331	05/13/2003	2331	05/29/2003	16	28
SC1	SC1-SW-05-14-0331	05/14/2003	0331	05/29/2003	15	28
SC1	SC1-SW-05-14-0731	05/14/2003	0731	05/26/2003	12	28
SC1 Lab Dup	SC1-SW-05-14-0731	05/14/2003	0731	05/26/2003	12	28
SC1 MS	SC1-SW-05-14-0731	05/14/2003	0731	05/26/2003	12	28
SC1 MSD	SC1-SW-05-14-0731	05/14/2003	0731	05/26/2003	12	28
SC1	SC1-SW-05-14-1131	05/14/2003	1131	05/26/2003	12	28
SC1	SC1-SW-05-14-1531	05/14/2003	1531	05/26/2003	12	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC1	SC1-SW-05-14-1931	05/14/2003	1931	05/26/2003	12	28
SC1	SC1-SW-05-14-2331	05/14/2003	2331	05/26/2003	12	28
SC1	SC1-SW-05-15-0331	05/15/2003	0331	05/26/2003	11	28
SC1	SC1-SW-05-15-0731	05/15/2003	0731	05/27/2003	12	28
SC1 Lab Dup	SC1-SW-05-15-0731	05/15/2003	0731	05/27/2003	12	28
SC1 MS	SC1-SW-05-15-0731	05/15/2003	0731	05/27/2003	12	28
SC1 MSD	SC1-SW-05-15-0731	05/15/2003	0731	05/27/2003	12	28
SC1	SC1-SW-05-15-1131	05/15/2003	1131	05/27/2003	12	28
SC1	SC1-SW-05-15-1531	05/15/2003	1531	05/27/2003	12	28
SC1	SC1-SW-05-15-1931	05/15/2003	1931	05/27/2003	12	28
SC1 Field Dup	SW1163	05/15/2003	1931	05/27/2003	12	28
SC1	SC1-SW-05-15-2331	05/15/2003	2331	05/27/2003	12	28
SC1	SC1-SW-05-16-0331	05/16/2003	0331	05/27/2003	11	28
SC1	SC1-SW-05-22-0915	05/22/2003	0915	05/30/2003	8	28
SC1	SC1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
SC1 Lab Dup	SC1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
SC1 MS	SC1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
SC1 MSD	SC1-SW-06-05-0659	06/05/2003	0659	06/10/2003	5	28
SC1	SC1-SW-06-19-0659	06/19/2003	0659	06/24/2003	5	28
SC1	SC1-SW-07-03-0659	07/03/2003	0659	07/11/2003	8	28
SC1 Lab Dup	SC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
SC1 MS	SC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
SC1 MSD	SC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
SC1	SC1-SW-07-03-0659	07/03/2003	0659	07/17/2003	14	28
SC1	SC1-SW-07-17-0659	07/17/2003	0659	07/24/2003	7	28
SC1	SC1-SW-07-31-0658	07/31/2003	0658	08/05/2003	5	28
SC1 Field Dup	SW1185	07/31/2003	0658	08/05/2003	5	28
SC1 Lab Dup	SC1-SW-07-31-0658	07/31/2003	0658	08/06/2003	6	28
SC1 MS	SC1-SW-07-31-0658	07/31/2003	0658	08/06/2003	6	28
SC1 MSD	SC1-SW-07-31-0658	07/31/2003	0658	08/06/2003	6	28
SC1	SC1-SW-08-14-0658	08/14/2003	0658	08/22/2003	8	28
SC1	SC1-SW-08-28-0658	08/28/2003	1000	09/03/2003	6	28
SC3	SC3-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
SC3 Lab Dup	SC3-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
SC3 MS	SC3-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
SC3 MSD	SC3-SW-10-17-0701	10/17/2002	0701	10/18/2002	1	28
SC3	SC3-SW-18-10-0701	10/18/2002	0701	10/22/2002	4	28
SC3	SC3-SW-10-22-0701	10/22/2002	0701	10/24/2002	2	28
SC3	SC3-SW-10-23-0701	10/23/2002	0701	10/25/2002	2	28
SC3	SC3-SW-10-24-0701	10/24/2002	0701	10/26/2002	2	28
SC3	SC3-SW-10-25-0701	10/25/2002	0701	10/28/2002	3	28
SC3 Field Dup	SW1015	10/25/2002	0701	10/28/2002	3	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3	SC3-SW-10-26-0701	10/26/2002	0701	10/29/2002	3	28
SC3	SC3-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
SC3	SC3-SW-10-28-0700	10/28/2002	0700	11/03/2002	6	28
SC3	SC3-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SC3	SC3-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SC3	SC3-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
SC3	SC3-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
SC3 Field Dup	SW1028	11/14/2002	0700	11/19/2002	5	28
SC3	SC3-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
SC3	SC3-IDW-Composite	11/26/2002	1155	11/29/2002	3	28
SC3	SC3-IDW-Composite	11/26/2002	1155	11/29/2002	3	28
SC3	SC3-IDW-Water	11/26/2002	1155	11/29/2002	3	28
SC3	SC3-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28
SC3	SC3-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SC3	SC3-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
SC3 Field Dup	SW1038	01/02/2003	0700	01/06/2003	4	28
SC3	SC3-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
SC3 Field Dup	SW1041	01/16/2003	0700	01/17/2003	1	28
SC3	SC3-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
SC3	SC3-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
SC3	SC3-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
SC3	SC3-SW-03-27-0700	03/27/2003	0700	04/02/2003	6	28
SC3	SC3-SW-04-10-0937	04/10/2003	0937	04/15/2003	5	28
SC3	SC3-SW-04-24-0831	04/24/2003	0831	04/29/2003	5	28
SC3	SC3-SW-05-02-0935	05/02/2003	0935	05/14/2003	12	28
SC3	SC3-SW-05-02-1104	05/02/2003	1104	05/07/2003	5	28
SC3	SC3-SW-05-02-1504	05/02/2003	1504	05/14/2003	12	28
SC3 Lab Dup	SC3-SW-05-02-1504	05/02/2003	1504	05/14/2003	12	28
SC3 MS	SC3-SW-05-02-1504	05/02/2003	1504	05/14/2003	12	28
SC3 MSD	SC3-SW-05-02-1504	05/02/2003	1504	05/14/2003	12	28
SC3	SC3-SW-05-02-1904	05/02/2003	1904	05/07/2003	5	28
SC3	SC3-SW-05-02-2304	05/02/2003	2304	05/15/2003	13	28
SC3 Lab Dup	SC3-SW-05-02-2304	05/02/2003	2304	05/15/2003	13	28
SC3 MS	SC3-SW-05-02-2304	05/02/2003	2304	05/15/2003	13	28
SC3 MSD	SC3-SW-05-02-2304	05/02/2003	2304	05/15/2003	13	28
SC3	SC3-SW-05-03-0304	05/03/2003	0304	05/12/2003	9	28
SC3	SC3-SW-05-03-0704	05/03/2003	0704	05/14/2003	11	28
SC3	SC3-SW-05-03-1104	05/03/2003	1104	05/11/2003	8	28
SC3	SC3-SW-05-03-1504	05/03/2003	1504	05/12/2003	9	28
SC3	SC3-SW-05-03-1904	05/03/2003	1904	05/12/2003	9	28
SC3	SC3-SW-05-03-2304	05/03/2003	2304	05/12/2003	9	28
SC3	SC3-SW-05-04-0304	05/04/2003	0304	05/15/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3	SC3-SW-05-04-0704	05/04/2003	0704	05/14/2003	10	28
SC3	SC3-SW-05-04-1104	05/04/2003	1104	05/11/2003	7	28
SC3	SC3-SW-05-04-1504	05/04/2003	1504	05/10/2003	6	28
SC3	SC3-SW-05-04-1904	05/04/2003	1904	05/14/2003	10	28
SC3	SC3-SW-05-04-2304	05/04/2003	2304	05/11/2003	7	28
SC3	SC3-SW-05-05-0304	05/05/2003	0304	05/15/2003	10	28
SC3	SC3-SW-05-05-0704	05/05/2003	0704	05/12/2003	7	28
SC3	SC3-SW-05-05-1104	05/05/2003	1104	05/16/2003	11	28
SC3	SC3-SW-05-05-1504	05/05/2003	1504	05/16/2003	11	28
SC3	SC3-SW-05-05-1904	05/05/2003	1904	05/16/2003	11	28
SC3	SC3-SW-05-05-2304	05/05/2003	2304	05/16/2003	11	28
SC3	SC3-SW-05-06-0304	05/06/2003	0304	05/16/2003	10	28
SC3	SC3-SW-05-06-0704	05/06/2003	0704	05/16/2003	10	28
SC3	SC3-SW-05-06-1104	05/06/2003	1104	05/16/2003	10	28
SC3	SC3-SW-05-06-1504	05/06/2003	1504	05/16/2003	10	28
SC3 Field Dup	SW1090	05/06/2003	1504	05/16/2003	10	28
SC3	SC3-SW-05-06-1904	05/06/2003	1904	05/16/2003	10	28
SC3	SC3-SW-05-06-2304	05/06/2003	2304	05/16/2003	10	28
SC3	SC3-SW-05-07-0304	05/07/2003	0304	05/16/2003	9	28
SC3	SC3-SW-05-07-0704	05/07/2003	0704	05/16/2003	9	28
SC3	SC3-SW-05-07-1104	05/07/2003	1104	06/02/2003	26	28
SC3	SC3-SW-05-07-1504	05/07/2003	1504	06/02/2003	26	28
SC3 Lab Dup	SC3-SW-05-07-1504	05/07/2003	1504	06/02/2003	26	28
SC3 MS	SC3-SW-05-07-1504	05/07/2003	1504	06/02/2003	26	28
SC3 MSD	SC3-SW-05-07-1504	05/07/2003	1504	06/02/2003	26	28
SC3	SC3-SW-05-07-1904	05/07/2003	1904	06/02/2003	26	28
SC3	SC3-SW-05-07-2304	05/07/2003	2304	06/02/2003	26	28
SC3 Field Dup	SW1107	05/07/2003	2304	06/02/2003	26	28
SC3 Lab Dup	SC3-SW-05-07-2304	05/07/2003	2304	06/02/2003	26	28
SC3 MS	SC3-SW-05-07-2304	05/07/2003	2304	06/02/2003	26	28
SC3 MSD	SC3-SW-05-07-2304	05/07/2003	2304	06/02/2003	26	28
SC3	SC3-SW-05-08-0304	05/08/2003	0304	06/02/2003	25	28
SC3	SC3-SW-05-08-0704	05/08/2003	0704	06/02/2003	25	28
SC3	SC3-SW-05-08-1104	05/08/2003	1104	06/02/2003	25	28
SC3	SC3-SW-05-08-1504	05/08/2003	1504	06/02/2003	25	28
SC3	SC3-SW-05-08-1904	05/08/2003	1904	06/02/2003	25	28
SC3	SC3-SW-05-08-2304	05/08/2003	2304	06/02/2003	25	28
SC3	SC3-SW-05-09-0304	05/09/2003	0304	06/02/2003	24	28
SC3	SC3-SW-05-09-0704	05/09/2003	0704	06/02/2003	24	28
SC3	SC3-SW-05-09-1104	05/09/2003	1104	06/03/2003	25	28
SC3 Lab Dup	SC3-SW-05-09-1104	05/09/2003	1104	06/02/2003	24	28
SC3 MS	SC3-SW-05-09-1104	05/09/2003	1104	06/02/2003	24	28

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HOLDING TIME DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3 MSD	SC3-SW-05-09-1104	05/09/2003	1104	06/02/2003	24	28
SC3 Lab Dup	SC3-SW-05-09-1104	05/09/2003	1104	06/03/2003	25	28
SC3 MS	SC3-SW-05-09-1104	05/09/2003	1104	06/03/2003	25	28
SC3 MSD	SC3-SW-05-09-1104	05/09/2003	1104	06/03/2003	25	28
SC3	SC3-SW-05-09-1504	05/09/2003	1504	06/03/2003	25	28
SC3	SC3-SW-05-09-1904	05/09/2003	1904	06/03/2003	25	28
SC3	SC3-SW-05-09-2304	05/09/2003	2304	06/03/2003	25	28
SC3	SC3-SW-05-10-0304	05/10/2003	0304	06/03/2003	24	28
SC3	SC3-SW-05-10-0704	05/10/2003	0704	06/03/2003	24	28
SC3	SC3-SW-05-10-1104	05/10/2003	1104	06/03/2003	24	28
SC3	SC3-SW-05-10-1504	05/10/2003	1504	06/03/2003	24	28
SC3 Field Dup	SW1126	05/10/2003	1504	06/03/2003	24	28
SC3	SC3-SW-05-10-1904	05/10/2003	1904	06/03/2003	24	28
SC3	SC3-SW-05-10-2304	05/10/2003	2304	06/03/2003	24	28
SC3	SC3-SW-05-11-0304	05/11/2003	0304	06/03/2003	23	28
SC3	SC3-SW-05-11-0704	05/11/2003	0704	06/03/2003	23	28
SC3	SC3-SW-05-11-1104	05/11/2003	1104	06/03/2003	23	28
SC3	SC3-SW-05-11-1504	05/11/2003	1504	06/03/2003	23	28
SC3	SC3-SW-05-11-1904	05/11/2003	1904	06/03/2003	23	28
SC3	SC3-SW-05-11-2304	05/11/2003	2304	06/03/2003	23	28
SC3	SC3-SW-05-12-0304	05/12/2003	0304	06/03/2003	22	28
SC3	SC3-SW-05-12-0704	05/12/2003	0704	06/03/2003	22	28
SC3 Field Dup	SW1127	05/12/2003	0704	06/03/2003	22	28
SC3	SC3-SW-05-12-1104	05/12/2003	1104	05/29/2003	17	28
SC3	SC3-SW-05-12-1504	05/12/2003	1504	05/22/2003	10	28
SC3 Field Dup	SW1146	05/12/2003	1504	05/22/2003	10	28
SC3	SC3-SW-05-12-1904	05/12/2003	1904	05/29/2003	17	28
SC3	SC3-SW-05-12-2304	05/12/2003	2304	05/29/2003	17	28
SC3	SC3-SW-05-13-0304	05/13/2003	0304	05/22/2003	9	28
SC3	SC3-SW-05-13-0704	05/13/2003	0704	05/22/2003	9	28
SC3	SC3-SW-05-13-1104	05/13/2003	1104	05/22/2003	9	28
SC3 Lab Dup	SC3-SW-05-13-1104	05/13/2003	1104	05/22/2003	9	28
SC3 MS	SC3-SW-05-13-1104	05/13/2003	1104	05/22/2003	9	28
SC3 MSD	SC3-SW-05-13-1104	05/13/2003	1104	05/22/2003	9	28
SC3	SC3-SW-05-13-1504	05/13/2003	1504	05/29/2003	16	28
SC3	SC3-SW-05-13-1904	05/13/2003	1904	05/29/2003	16	28
SC3	SC3-SW-05-13-2304	05/13/2003	2304	05/23/2003	10	28
SC3 Lab Dup	SC3-SW-05-13-2304	05/13/2003	2304	05/23/2003	10	28
SC3 MS	SC3-SW-05-13-2304	05/13/2003	2304	05/23/2003	10	28
SC3 MSD	SC3-SW-05-13-2304	05/13/2003	2304	05/23/2003	10	28
SC3	SC3-SW-05-14-0304	05/14/2003	0304	05/24/2003	10	28
SC3	SC3-SW-05-14-0704	05/14/2003	0704	05/24/2003	10	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3 Field Dup	SW1147	05/14/2003	0704	05/24/2003	10	28
SC3	SC3-SW-05-14-1104	05/14/2003	1104	05/26/2003	12	28
SC3	SC3-SW-05-14-1504	05/14/2003	1504	05/26/2003	12	28
SC3 Field Dup	SW1161	05/14/2003	1504	05/26/2003	12	28
SC3	SC3-SW-05-14-1904	05/14/2003	1904	05/26/2003	12	28
SC3	SC3-SW-05-14-2304	05/14/2003	2304	05/26/2003	12	28
SC3	SC3-SW-05-15-0304	05/15/2003	0304	05/26/2003	11	28
SC3	SC3-SW-05-15-0704	05/15/2003	0704	05/26/2003	11	28
SC3	SC3-SW-05-15-1104	05/15/2003	1104	05/26/2003	11	28
SC3	SC3-SW-05-15-1504	05/15/2003	1504	05/26/2003	11	28
SC3	SC3-SW-05-15-1904	05/15/2003	1904	05/26/2003	11	28
SC3	SC3-SW-05-15-2304	05/15/2003	2304	05/26/2003	11	28
SC3	SC3-SW-05-16-0304	05/16/2003	0304	05/26/2003	10	28
SC3	SC3-SW-05-16-0704	05/16/2003	0704	05/26/2003	10	28
SC3 Field Dup	SW1162	05/16/2003	0704	05/26/2003	10	28
SC3	SC3-SW-05-22-0905	05/22/2003	0905	05/30/2003	8	28
SC3	SC3-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SC3 Field Dup	SW1175	06/05/2003	0700	06/10/2003	5	28
SC3	SC3-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
SC3	SC3-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SC3 Field Dup	SW1181	07/17/2003	0659	07/24/2003	7	28
SC3	SC3-SW-07-17-0659	07/17/2003	0659	07/24/2003	7	28
SC3	SC3-SW-07-31-0659	07/31/2003	0659	08/05/2003	5	28
SC3	SC3-SW-08-28-0850	08/28/2003	0850	09/03/2003	6	28
SC3	SC3-SW-09-11-2127	09/11/2003	2127	09/20/2003	9	28
SC3	SC3-SW-09-12-0127	09/12/2003	0127	09/21/2003	9	28
SC3	SC3-SW-09-12-0527	09/12/2003	0527	09/20/2003	8	28
SC3 Field Dup	SW1194	09/12/2003	0527	09/20/2003	8	28
SC3	SC3-SW-09-12-0927	09/12/2003	0927	09/20/2003	8	28
SC3	SC3-SW-09-12-1327	09/12/2003	1327	09/20/2003	8	28
SC3	SC3-SW-09-12-2127	09/12/2003	2127	09/20/2003	8	28
SC3	SC3-SW-09-13-0127	09/13/2003	0127	09/20/2003	7	28
SC3	SC3-SW-09-13-0527	09/13/2003	0527	09/21/2003	8	28
SC3	SC3-SW-09-13-0927	09/13/2003	0927	09/21/2003	8	28
SC3 Field Dup	SW1195	09/13/2003	1327	09/21/2003	8	28
SC3	SC3-SW-09-13-1327	09/13/2003	1327	09/21/2003	8	28
SC3	SC3-SW-09-13-1727	09/13/2003	1727	09/21/2003	8	28
SC3 Lab Dup	SC3-SW-09-13-1727	09/13/2003	1727	09/21/2003	8	28
SC3 MS	SC3-SW-09-13-1727	09/13/2003	1727	09/21/2003	8	28
SC3 MSD	SC3-SW-09-13-1727	09/13/2003	1727	09/21/2003	8	28
SC3	SC3-SW-09-13-2127	09/13/2003	2127	09/21/2003	8	28
SC3	SC3-SW-09-14-0127	09/14/2003	0127	09/21/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3	SC3-SW-09-14-0527	09/14/2003	0527	09/21/2003	7	28
SC3	SC3-SW-09-14-0927	09/14/2003	0927	09/21/2003	7	28
SC3	SC3-SW-09-14-1327	09/14/2003	1327	09/21/2003	7	28
SC3	SC3-SW-09-14-1727	09/14/2003	1727	09/21/2003	7	28
SC3	SC3-SW-09-14-2127	09/14/2003	2127	09/21/2003	7	28
SC3	SC3-SW-09-15-0127	09/15/2003	0127	09/21/2003	6	28
SC3 Field Dup	SW1196	09/15/2003	0127	09/21/2003	6	28
SC3	SC3-SW-09-15-0527	09/15/2003	0527	09/21/2003	6	28
SC3	SC3-SW-09-15-0927	09/15/2003	0927	09/21/2003	6	28
SC3	SC3-SW-09-15-1327	09/15/2003	1327	09/24/2003	9	28
SC3	SC3-SW-09-15-1727	09/15/2003	1727	09/24/2003	9	28
SC3	SC3-SW-09-16-0127	09/16/2003	0127	09/24/2003	8	28
SC3	SC3-SW-09-16-0527	09/16/2003	0527	09/24/2003	8	28
SC3	SC3-SW-09-16-0927	09/16/2003	0927	09/24/2003	8	28
SC3 Lab Dup	SC3-SW-09-16-0927	09/16/2003	0927	09/24/2003	8	28
SC3 MS	SC3-SW-09-16-0927	09/16/2003	0927	09/24/2003	8	28
SC3 MSD	SC3-SW-09-16-0927	09/16/2003	0927	09/24/2003	8	28
SC3	SC3-SW-09-16-1327	09/16/2003	1327	09/24/2003	8	28
SC3	SC3-SW-09-16-1727	09/16/2003	1727	09/24/2003	8	28
SC3 Field Dup	SW1209	09/16/2003	1727	09/24/2003	8	28
SC3	SC3-SW-09-16-2127	09/16/2003	2127	09/24/2003	8	28
SC3	SC3-SW-09-17-0127	09/17/2003	0127	09/24/2003	7	28
SC3	SC3-SW-09-17-0527	09/17/2003	0527	09/24/2003	7	28
SC3	SC3-SW-09-17-0927	09/17/2003	0927	09/25/2003	8	28
SC3	SC3-SW-09-17-1327	09/17/2003	1327	09/25/2003	8	28
SC3	SC3-SW-09-17-1727	09/17/2003	1727	09/25/2003	8	28
SC3	SC3-SW-09-17-2127	09/17/2003	2127	09/25/2003	8	28
SC3	SC3-SW-09-18-0127	09/18/2003	0127	09/25/2003	7	28
SC3 Field Dup	SW1220	09/18/2003	0127	09/25/2003	7	28
SC3	SC3-SW-09-18-0527	09/18/2003	0527	09/25/2003	7	28
SC3	SC3-SW-09-18-0927	09/18/2003	0927	09/25/2003	7	28
SC3	SC3-SW-09-18-1327	09/18/2003	1327	09/25/2003	7	28
SC3	SC3-SW-09-18-1727	09/18/2003	1727	09/25/2003	7	28
SC3	SC3-SW-09-18-2127	09/18/2003	2127	09/25/2003	7	28
SC3 Lab Dup	SC3-SW-09-18-2127	09/18/2003	2127	09/25/2003	7	28
SC3 MS	SC3-SW-09-18-2127	09/18/2003	2127	09/25/2003	7	28
SC3 MSD	SC3-SW-09-18-2127	09/18/2003	2127	09/25/2003	7	28
SC3	SC3-SW-09-19-0127	09/19/2003	0127	09/25/2003	6	28
SC3	SC3-SW-09-19-0527	09/19/2003	0527	09/25/2003	6	28
SC3	SC3-SW-09-19-0927	09/19/2003	0927	09/25/2003	6	28
SC3	SC3-SW-09-19-1327	09/19/2003	1327	09/30/2003	11	28
SC3	SC3-SW-09-19-1727	09/19/2003	1727	09/30/2003	11	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3	SC3-SW-09-20-0127	09/20/2003	0127	09/30/2003	10	28
SC3 Lab Dup	SC3-SW-09-20-0127	09/20/2003	0127	09/30/2003	10	28
SC3 MS	SC3-SW-09-20-0127	09/20/2003	0127	09/30/2003	10	28
SC3 MSD	SC3-SW-09-20-0127	09/20/2003	0127	09/30/2003	10	28
SC3	SC3-SW-09-20-0527	09/20/2003	0527	09/30/2003	10	28
SC3 Field Dup	SW1239	09/20/2003	0527	09/30/2003	10	28
SC3	SC3-SW-09-20-0927	09/20/2003	0927	09/30/2003	10	28
SC3	SC3-SW-09-20-1327	09/20/2003	1327	09/30/2003	10	28
SC3	SC3-SW-09-20-1727	09/20/2003	1727	09/30/2003	10	28
SC3	SC3-SW-09-20-2127	09/20/2003	2127	10/01/2003	11	28
SC3	SC3-SW-09-21-0127	09/21/2003	0127	10/01/2003	10	28
SC3	SC3-SW-09-21-0527	09/21/2003	0527	10/01/2003	10	28
SC3	SC3-SW-09-21-0927	09/21/2003	0927	10/01/2003	10	28
SC3	SC3-SW-09-21-1327	09/21/2003	1327	10/01/2003	10	28
SC3	SC3-SW-09-21-1727	09/21/2003	1727	10/01/2003	10	28
SC3	SC3-SW-09-21-2127	09/21/2003	2127	10/01/2003	10	28
SC3 Field Dup	SW1240	09/21/2003	2127	10/01/2003	10	28
SC3	SC3-SW-09-22-0127	09/22/2003	0127	10/01/2003	9	28
SC3	SC3-SW-09-22-0527	09/22/2003	0527	10/01/2003	9	28
SC3	SC3-SW-09-22-0927	09/22/2003	0927	10/01/2003	9	28
SC3	SC3-SW-09-22-1327	09/22/2003	1327	10/05/2003	13	28
SC3	SC3-SW-09-22-1727	09/22/2003	1727	10/05/2003	13	28
SC3	SC3-SW-09-22-2127	09/22/2003	2127	10/05/2003	13	28
SC3	SC3-SW-09-23-0127	09/23/2003	0127	10/05/2003	12	28
SC3 Field Dup	SW1262	09/23/2003	0127	10/05/2003	12	28
SC3	SC3-SW-09-23-0527	09/23/2003	0527	10/05/2003	12	28
SC3	SC3-SW-09-23-0927	09/23/2003	0927	10/05/2003	12	28
SC3	SC3-SW-09-23-1327	09/23/2003	1327	10/05/2003	12	28
SC3	SC3-SW-09-23-1727	09/23/2003	1727	10/05/2003	12	28
SC3	SC3-SW-09-23-2127	09/23/2003	2127	10/05/2003	12	28
SC3	SC3-SW-09-24-0127	09/24/2003	0127	10/05/2003	11	28
SC3	SC3-SW-09-24-0527	09/24/2003	0527	10/05/2003	11	28
SC3	SC3-SW-09-24-0927	09/24/2003	0927	10/05/2003	11	28
SC3	SC3-SW-09-24-1327	09/24/2003	1327	10/17/2003	23	28
SC3	SC3-SW-09-24-1727	09/24/2003	1727	10/17/2003	23	28
SC3	SC3-SW-09-24-2127	09/24/2003	2127	10/17/2003	23	28
SC3	SC3-SW-09-25-0127	09/25/2003	0127	10/17/2003	22	28
SC3	SC3-SW-09-25-0527	09/25/2003	0527	10/17/2003	22	28
SC3	SC3-SW-09-25-0927	09/25/2003	0927	10/17/2003	22	28
SC3	SC3-SW-09-25-1327	09/25/2003	1327	10/17/2003	22	28
SC3	SC3-SW-09-25-1727	09/25/2003	1727	10/17/2003	22	28
SC3	SC3-SW-09-25-2127	09/25/2003	2127	10/17/2003	22	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3	SC3-SW-09-26-0127	09/26/2003	0127	10/17/2003	21	28
SC3 Field Dup	SW1277	09/26/2003	0127	10/17/2003	21	28
SC3	SC3-SW-09-26-0527	09/26/2003	0527	10/17/2003	21	28
SC3 Lab Dup	SC3-SW-09-26-0527	09/26/2003	0527	10/18/2003	22	28
SC3 MS	SC3-SW-09-26-0527	09/26/2003	0527	10/18/2003	22	28
SC3 MSD	SC3-SW-09-26-0527	09/26/2003	0527	10/18/2003	22	28
SC3	SC3-SW-09-26-0927	09/26/2003	0927	10/18/2003	22	28
SC3	SC3-SW-09-26-1327	09/26/2003	1327	10/18/2003	22	28
SC3	SC3-SW-09-26-1727	09/26/2003	1727	10/18/2003	22	28
SC3	SC3-SW-09-26-2127	09/26/2003	2127	10/18/2003	22	28
SC3	SC3-SW-09-27-0127	09/27/2003	0127	10/18/2003	21	28
SC3	SC3-SW-09-27-0527	09/27/2003	0527	10/18/2003	21	28
SC3	SC3-SW-09-27-0927	09/27/2003	0927	10/18/2003	21	28
SC3 Field Dup	SW1291	09/27/2003	0927	10/18/2003	21	28
SC3	SC3-SW-09-27-1327	09/27/2003	1327	10/18/2003	21	28
SC3	SC3-SW-09-27-1727	09/27/2003	1727	10/18/2003	21	28
SC3	SC3-SW-09-27-2127	09/27/2003	2127	10/18/2003	21	28
SC3	SC3-SW-09-28-0127	09/28/2003	0127	10/18/2003	20	28
SC3	SC3-SW-09-28-0527	09/28/2003	0527	10/18/2003	20	28
SC3	SC3-SW-09-28-0927	09/28/2003	0927	10/18/2003	20	28
SC3	SC3-SW-09-28-1327	09/28/2003	1327	10/18/2003	20	28
SC3	SC3-SW-09-28-1727	09/28/2003	1727	10/18/2003	20	28
SC3	SC3-SW-09-28-2127	09/28/2003	2127	10/18/2003	20	28
SC3	SC3-SW-09-29-0127	09/29/2003	0127	10/18/2003	19	28
SC3 Field Dup	SW1292	09/29/2003	0127	10/18/2003	19	28
SC3	SC3-SW-09-29-0527	09/29/2003	0527	10/18/2003	19	28
SC3	SC3-SW-09-29-0927	09/29/2003	0927	10/18/2003	19	28
SC3	SC3-SW-09-29-1327	09/29/2003	1327	10/14/2003	15	28
SC3	SC3-SW-09-29-1727	09/29/2003	1727	10/14/2003	15	28
SC3	SC3-SW-09-29-2127	09/29/2003	2127	10/14/2003	15	28
SC3 Field Dup	SW1308	09/29/2003	2127	10/14/2003	15	28
SC3	SC3-SW-09-30-0127	09/30/2003	0127	10/14/2003	14	28
SC3	SC3-SW-09-30-0527	09/30/2003	0527	10/14/2003	14	28
SC3	SC3-SW-09-30-0927	09/30/2003	0927	10/14/2003	14	28
SC3	SC3-SW-09-30-1327	09/30/2003	1327	10/14/2003	14	28
SC3	SC3-SW-09-30-1727	09/30/2003	1727	10/14/2003	14	28
SC3	SC3-SW-09-30-2127	09/30/2003	2127	10/14/2003	14	28
SC3	SC3-SW-10-01-0127	10/01/2003	0127	10/14/2003	13	28
SC3	SC3-SW-10-01-0527	10/01/2003	0527	10/14/2003	13	28
SC3	SC3-SW-10-01-0927	10/01/2003	0927	10/14/2003	13	28
SC3 Lab Dup	SC3-SW-10-01-0927	10/01/2003	0927	10/14/2003	13	28
SC3 MS	SC3-SW-10-01-0927	10/01/2003	0927	10/14/2003	13	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
SC3 MSD	SC3-SW-10-01-0927	10/01/2003	0927	10/14/2003	13	28
SC5	SC5-SW-10-22-0700	10/22/2002	0700		-37551	28
SC5	SC5-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
SC5	SC5-SW-10-29-0700	10/29/2002	0700		-37558	28
SC5	SC5-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
SC5	SC5-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
SC5	SC5-IDW-Composite	11/26/2002	1020	11/30/2002	4	28
SC5	SC5-IDW-Water	11/26/2002	1020	11/29/2002	3	28
SC5	SC5-IDW-Composite	11/26/2002	1020	11/30/2002	4	28
SC5	SC5-SW-12-05-0701	12/05/2002	0701	12/11/2002	6	28
SC5	SC5-SW-12-19-0700	12/19/2002	0700	12/23/2002	4	28
SC5	SC5-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
SC5	SC5-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
SC5	SC5-SW-01-30-0702	01/30/2003	0702	02/03/2003	4	28
SC5	SC5-SW-02-27-0701	02/27/2003	0701	03/04/2003	5	28
SC5	SC5-SW-03-27-0701	03/27/2003	0701	04/02/2003	6	28
SC5	SC5-SW-04-10-1038	04/10/2003	1008	04/15/2003	5	28
SC5 Field Dup	SW1055	04/10/2003	1008	04/15/2003	5	28
SC5	SC5-SW-04-24-0935	04/24/2003	0935	04/29/2003	5	28
SC5 Field Dup	SW1056	04/24/2003	0935	04/29/2003	5	28
SC5	SC5-SW-05-22-0947	05/22/2003	0947	05/30/2003	8	28
SC5 Field Dup	SW1172	05/22/2003	0947	05/30/2003	8	28
SC5	SC5-SW-06-05-0700	06/05/2003	0700	06/10/2003	5	28
SC5	SC5-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
SC5	SC5-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
SC5	SC5-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SC5 Lab Dup	SC5-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SC5 MS	SC5-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SC5 MSD	SC5-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
SC5	SC5-SW-08-28-0940	08/28/2003	0940	09/03/2003	6	28
TP	TP-SW-01-30-1000	01/30/2003	1000	02/04/2003	5	28
TP	TP-SW-03-17-0910	03/17/2003	0910	03/22/2003	5	28
TP	TP-SW-04-28-1014	04/28/2003	1014	04/30/2003	2	28
TP	TP-SW-05-30-0815	05/30/2003	0815	06/06/2003	7	28
TP	TP-SW-06-20-0840	06/20/2003	0840	06/25/2003	5	28
TP	TP-SW-06-20-0840	06/20/2003	0840	06/27/2003	7	28
TP Lab Dup	TP-SW-06-20-0840	06/20/2003	0840	06/27/2003	7	28
TP MS	TP-SW-06-20-0840	06/20/2003	0840	06/27/2003	7	28
TP MSD	TP-SW-06-20-0840	06/20/2003	0840	06/27/2003	7	28
TP	TP-SW-07-28-0825	07/28/2003	0825	08/04/2003	7	28
TP Lab Dup	TP-SW-07-28-0825	07/28/2003	0825	08/04/2003	7	28
TP MS	TP-SW-07-28-0825	07/28/2003	0825	08/04/2003	7	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
TP MSD	TP-SW-07-28-0825	07/28/2003	0825	08/04/2003	7	28
TP	TP-SW-09-04-0906	09/04/2003	0906	09/16/2003	12	28
TP	TP-SW-09-30-0800	09/30/2003	0800	10/15/2003	15	28
TP	TP-SW-10-31-0800	10/31/2003	0800	11/07/2003	7	28
TP	TP-SW-12-15-0845	12/15/2003	0845	12/31/2003	16	28
TRM1	TRM1-SW-10-17-0700	10/17/2002	0700	10/18/2002	1	28
TRM1 Field Dup	SW1002	10/17/2002	0700	10/18/2002	1	28
TRM1	TRM1-SW-18-10-0700	10/18/2002	0700	10/22/2002	4	28
TRM1 Field Dup	SW1004	10/18/2002	0700	10/22/2002	4	28
TRM1	TRM1-SW-10-19-0700	10/19/2002	0700	10/23/2002	4	28
TRM1 Field Dup	SW1008	10/19/2002	0700	10/24/2002	5	28
TRM1	TRM1-SW-10-20-0700	10/20/2002	0700	10/24/2002	4	28
TRM1	TRM1-SW-10-21-0700	10/21/2002	0700	10/24/2002	3	28
TRM1	TRM1-SW-10-22-0700	10/22/2002	0700	10/24/2002	2	28
TRM1 Field Dup	SW1010	10/22/2002	0700	10/25/2002	3	28
TRM1	TRM1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
TRM1 Field Dup	SW1012A	10/23/2002	0700	10/25/2002	2	28
TRM1 Lab Dup	TRM1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
TRM1 MS	TRM1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
TRM1 MSD	TRM1-SW-10-23-0700	10/23/2002	0700	10/25/2002	2	28
TRM1	TRM1-SW-10-24-0700	10/24/2002	0701	10/26/2002	2	28
TRM1	TRM1-SW-10-25-0700	10/25/2002	0700	10/28/2002	3	28
TRM1 Field Dup	SW1014	10/25/2002	0700	10/28/2002	3	28
TRM1	TRM1-SW-10-26-0700	10/26/2002	0700	10/29/2002	3	28
TRM1 Field Dup	SW1016	10/26/2002	0700	10/29/2002	3	28
TRM1	TRM1-SW-10-27-0700	10/27/2002	0700	10/30/2002	3	28
TRM1 Field Dup	SW1019	10/27/2002	0700	10/30/2002	3	28
TRM1	TRM1-SW-10-28-0700	10/28/2002	0700	10/31/2002	3	28
TRM1 Field Dup	SW1020	10/28/2002	0700	10/31/2002	3	28
TRM1	TRM1-SW-10-29-0700	10/29/2002	0700	11/04/2002	6	28
TRM1 Field Dup	SW1023	10/29/2002	0700	11/04/2002	6	28
TRM1	TRM1-SW-10-30-0700	10/30/2002	0700	11/05/2002	6	28
TRM1 Field Dup	SW1025	10/30/2002	0700	11/05/2002	6	28
TRM1	TRM1-SW-11-7-0700	11/07/2002	0700	11/11/2002	4	28
TRM1 Field Dup	SW1026	11/07/2002	0700	11/11/2002	4	28
TRM1	TRM1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
TRM1 Lab Dup	TRM1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
TRM1 MS	TRM1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
TRM1 MSD	TRM1-SW-11-14-0700	11/14/2002	0700	11/19/2002	5	28
TRM1	TRM1-SW-11-21-0700	11/21/2002	0700	11/23/2002	2	28
TRM1 Field Dup	SW1031	11/21/2002	0700	11/23/2002	2	28
TRM1	TRM1-SW-12-05-0700	12/05/2002	0700	12/11/2002	6	28

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Location Identification	Field Identification	Collection Date	Collection Time	Analysis Date	Analysis Holding Time	Method Holding Time
TRM1	TRM1-SW-01-02-0700	01/02/2003	0700	01/07/2003	5	28
TRM1 Lab Dup	TRM1-SW-01-02-0700	01/02/2003	0700	01/06/2003	4	28
TRM1 MS	TRM1-SW-01-02-0700	01/02/2003	0700	01/07/2003	5	28
TRM1 MSD	TRM1-SW-01-02-0700	01/02/2003	0700	01/07/2003	5	28
TRM1	TRM1-SW-01-16-0700	01/16/2003	0700	01/17/2003	1	28
TRM1	TRM1-SW-01-30-0700	01/30/2003	0700	02/03/2003	4	28
TRM1	TRM1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
TRM1 Lab Dup	TRM1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
TRM1 MS	TRM1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
TRM1 MSD	TRM1-SW-02-13-0700	02/13/2003	0700	02/19/2003	6	28
TRM1	TRM1-SW-03-13-0700	03/13/2003	0700	03/21/2003	8	28
TRM1	TRM1-SW-03-27-0700	03/27/2003	0700	04/04/2003	8	28
TRM1 Lab Dup	TRM1-SW-03-27-0700	03/27/2003	0700	04/04/2003	8	28
TRM1 MS	TRM1-SW-03-27-0700	03/27/2003	0700	04/04/2003	8	28
TRM1 MSD	TRM1-SW-03-27-0700	03/27/2003	0700	04/04/2003	8	28
TRM1	TRM1-SW-04-10-1008	04/10/2003	1008	04/15/2003	5	28
TRM1 Field Dup	SW1054	04/10/2003	1008	04/15/2003	5	28
TRM1	TRM1-SW-04-24-0900	04/24/2003	0900	04/29/2003	5	28
TRM1 Field Dup	SW1057	04/24/2003	0900	04/29/2003	5	28
TRM1	TRM1-SW-05-02-0954	05/02/2003	0954	05/11/2003	9	28
TRM1 Field Dup	SW1082	05/02/2003	0954	05/11/2003	9	28
TRM1	TRM1-SW-05-02-1140	05/02/2003	1140	05/11/2003	9	28
TRM1	TRM1-SW-05-02-1540	05/02/2003	1540	05/10/2003	8	28
TRM1	TRM1-SW-05-02-1940	05/02/2003	1940	05/10/2003	8	28
TRM1	TRM1-SW-05-02-2340	05/02/2003	2340	05/22/2003	20	28
TRM1	TRM1-SW-05-03-0340	05/03/2003	0340	05/24/2003	21	28
TRM1	TRM1-SW-05-03-0740	05/03/2003	0740	05/24/2003	21	28
TRM1	TRM1-SW-05-03-1140	05/03/2003	1140	05/11/2003	8	28
TRM1	TRM1-SW-05-03-1540	05/03/2003	1540	05/11/2003	8	28
TRM1	TRM1-SW-05-03-1940	05/03/2003	1940	05/11/2003	8	28
TRM1	TRM1-SW-05-03-2340	05/03/2003	2340	05/24/2003	21	28
TRM1	TRM1-SW-05-04-0340	05/04/2003	0340	05/11/2003	7	28
TRM1	TRM1-SW-05-04-0740	05/04/2003	0740	05/24/2003	20	28
TRM1	TRM1-SW-05-04-1140	05/04/2003	1140	05/10/2003	6	28
TRM1	TRM1-SW-05-04-1540	05/04/2003	1540	05/11/2003	7	28
TRM1	TRM1-SW-05-04-1940	05/04/2003	1940	05/11/2003	7	28
TRM1 Lab Dup	TRM1-SW-05-04-1940	05/04/2003	1940	05/11/2003	7	28
TRM1 MS	TRM1-SW-05-04-1940	05/04/2003	1940	05/11/2003	7	28
TRM1 MSD	TRM1-SW-05-04-1940	05/04/2003	1940	05/11/2003	7	28
TRM1	TRM1-SW-05-04-2340	05/04/2003	2340	05/24/2003	20	28
TRM1	TRM1-SW-05-05-0340	05/05/2003	0340	05/24/2003	19	28
TRM1 Field Dup	SW1083	05/05/2003	0340	05/24/2003	19	28

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TRM1	TRM1-SW-05-05-0740	05/05/2003	0740	05/23/2003	18	28
TRM1	TRM1-SW-05-05-1140	05/05/2003	1140	05/23/2003	18	28
TRM1	TRM1-SW-05-05-1540	05/05/2003	1540	05/23/2003	18	28
TRM1	TRM1-SW-05-05-1940	05/05/2003	1940	05/23/2003	18	28
TRM1 Field Dup	SW1092	05/05/2003	1940	05/23/2003	18	28
TRM1	TRM1-SW-05-05-2340	05/05/2003	2340	05/16/2003	11	28
TRM1 Lab Dup	TRM1-SW-05-05-2340	05/05/2003	2340	05/16/2003	11	28
TRM1 MS	TRM1-SW-05-05-2340	05/05/2003	2340	05/16/2003	11	28
TRM1 MSD	TRM1-SW-05-05-2340	05/05/2003	2340	05/16/2003	11	28
TRM1	TRM1-SW-05-06-0340	05/06/2003	0340	05/17/2003	11	28
TRM1	TRM1-SW-05-06-0740	05/06/2003	0740	05/16/2003	10	28
TRM1 Lab Dup	TRM1-SW-05-06-0740	05/06/2003	0740	05/16/2003	10	28
TRM1 MS	TRM1-SW-05-06-0740	05/06/2003	0740	05/16/2003	10	28
TRM1 MSD	TRM1-SW-05-06-0740	05/06/2003	0740	05/16/2003	10	28
TRM1	TRM1-SW-05-06-1140	05/06/2003	1140	05/17/2003	11	28
TRM1	TRM1-SW-05-06-1540	05/06/2003	1540	05/17/2003	11	28
TRM1	TRM1-SW-05-06-1940	05/06/2003	1940	05/17/2003	11	28
TRM1	TRM1-SW-05-06-2340	05/06/2003	2340	05/17/2003	11	28
TRM1	TRM1-SW-05-07-0340	05/07/2003	0340	05/17/2003	10	28
TRM1	TRM1-SW-05-07-0740	05/07/2003	0740	06/01/2003	25	28
TRM1	TRM1-SW-05-07-1140	05/07/2003	1140	06/01/2003	25	28
TRM1	TRM1-SW-05-07-1540	05/07/2003	1540	06/01/2003	25	28
TRM1	TRM1-SW-05-07-1940	05/07/2003	1940	06/01/2003	25	28
TRM1	TRM1-SW-05-07-2340	05/07/2003	2340	06/01/2003	25	28
TRM1	TRM1-SW-05-08-0340	05/08/2003	0340	06/02/2003	25	28
TRM1	TRM1-SW-05-08-0740	05/08/2003	0740	06/02/2003	25	28
TRM1	TRM1-SW-05-08-1140	05/08/2003	1140	06/02/2003	25	28
TRM1	TRM1-SW-05-08-1540	05/08/2003	1540	06/02/2003	25	28
TRM1 Field Dup	SW1110	05/08/2003	1540	06/02/2003	25	28
TRM1	TRM1-SW-05-08-1940	05/08/2003	1940	06/02/2003	25	28
TRM1	TRM1-SW-05-08-2340	05/08/2003	2340	06/02/2003	25	28
TRM1	TRM1-SW-05-09-0340	05/09/2003	0340	06/02/2003	24	28
TRM1	TRM1-SW-05-09-1140	05/09/2003	1140	06/04/2003	26	28
TRM1	TRM1-SW-05-09-1540	05/09/2003	1540	06/03/2003	25	28
TRM1	TRM1-SW-05-09-1940	05/09/2003	1940	06/03/2003	25	28
TRM1	TRM1-SW-05-09-2340	05/09/2003	2340	06/04/2003	26	28
TRM1	TRM1-SW-05-10-0340	05/10/2003	0340	06/02/2003	23	28
TRM1	TRM1-SW-05-10-0740	05/10/2003	0740	06/03/2003	24	28
TRM1	TRM1-SW-05-10-1140	05/10/2003	1140	06/04/2003	25	28
TRM1	TRM1-SW-05-10-1540	05/10/2003	1540	06/04/2003	25	28
TRM1	TRM1-SW-05-10-1940	05/10/2003	1940	06/03/2003	24	28
TRM1	TRM1-SW-05-10-2340	05/10/2003	2340	06/03/2003	24	28

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TRM1 Field Dup	SW1130	05/11/2003	0340	06/03/2003	23	28
TRM1	TRM1-SW-05-11-1540	05/11/2003	1540	06/03/2003	23	28
TRM1	TRM1-SW-05-11-2340	05/11/2003	2340	06/03/2003	23	28
TRM1	TRM1-SW-05-12-0340	05/12/2003	0340	06/03/2003	22	28
TRM1	TRM1-SW-05-12-0740	05/12/2003	0740	05/29/2003	17	28
TRM1 Lab Dup	TRM1-SW-05-12-0740	05/12/2003	0740	05/29/2003	17	28
TRM1 MS	TRM1-SW-05-12-0740	05/12/2003	0740	05/29/2003	17	28
TRM1 MSD	TRM1-SW-05-12-0740	05/12/2003	0740	05/29/2003	17	28
TRM1	TRM1-SW-05-12-1140	05/12/2003	1140	05/29/2003	17	28
TRM1	TRM1-SW-05-12-1540	05/12/2003	1540	05/24/2003	12	28
TRM1	TRM1-SW-05-12-1940	05/12/2003	1940	05/24/2003	12	28
TRM1	TRM1-SW-05-12-2340	05/12/2003	2340	05/24/2003	12	28
TRM1	TRM1-SW-05-13-0340	05/13/2003	0340	05/24/2003	11	28
TRM1	TRM1-SW-05-13-0740	05/13/2003	0740	05/23/2003	10	28
TRM1	TRM1-SW-05-13-1140	05/13/2003	1140	05/23/2003	10	28
TRM1 Field Dup	SW1149	05/13/2003	1140	05/23/2003	10	28
TRM1	TRM1-SW-05-13-1540	05/13/2003	1540	05/23/2003	10	28
TRM1	TRM1-SW-05-13-1940	05/13/2003	1940	05/23/2003	10	28
TRM1	TRM1-SW-05-13-2340	05/13/2003	2340	05/23/2003	10	28
TRM1	TRM1-SW-05-14-0340	05/14/2003	0340	05/23/2003	9	28
TRM1	TRM1-SW-05-14-0740	05/14/2003	0740	05/27/2003	13	28
TRM1	TRM1-SW-05-14-1140	05/14/2003	1140	05/27/2003	13	28
TRM1	TRM1-SW-05-14-1540	05/14/2003	1540	05/27/2003	13	28
TRM1	TRM1-SW-05-14-1940	05/14/2003	1940	05/27/2003	13	28
TRM1	TRM1-SW-05-14-2340	05/14/2003	2340	05/27/2003	13	28
TRM1	TRM1-SW-05-15-0340	05/15/2003	0340	05/27/2003	12	28
TRM1	TRM1-SW-05-15-0740	05/15/2003	0740	05/27/2003	12	28
TRM1	TRM1-SW-05-15-1140	05/15/2003	1140	05/26/2003	11	28
TRM1 Field Dup	SW1164	05/15/2003	1140	05/26/2003	11	28
TRM1 Lab Dup	TRM1-SW-05-15-1140	05/15/2003	1140	05/26/2003	11	28
TRM1 MS	TRM1-SW-05-15-1140	05/15/2003	1140	05/26/2003	11	28
TRM1 MSD	TRM1-SW-05-15-1140	05/15/2003	1140	05/26/2003	11	28
TRM1	TRM1-SW-05-15-1540	05/15/2003	1540	05/26/2003	11	28
TRM1	TRM1-SW-05-15-1940	05/15/2003	1940	05/26/2003	11	28
TRM1	TRM1-SW-05-15-2340	05/15/2003	2340	05/26/2003	11	28
TRM1	TRM1-SW-05-16-0340	05/16/2003	0340	05/26/2003	10	28
TRM1	TRM1-SW-06-19-0700	06/19/2003	0700	06/24/2003	5	28
TRM1 Field Dup	SW1178	06/19/2003	0700	06/24/2003	5	28
TRM1	TRM1-SW-07-03-0700	07/03/2003	0700	07/11/2003	8	28
TRM1	TRM1-SW-07-17-0700	07/17/2003	0700	07/24/2003	7	28
TRM1	TRM1-SW-09-11-0908	09/11/2003	0908	10/04/2003	23	28
TRM1	TRM1-SW-09-11-2108	09/11/2003	2108	10/04/2003	23	28

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TRM1	TRM1-SW-09-12-0108	09/12/2003	0108	10/04/2003	22	28
TRM1	TRM1-SW-09-12-0508	09/12/2003	0508	09/17/2003	5	28
TRM1	TRM1-SW-09-12-1308	09/12/2003	1308	09/17/2003	5	28
TRM1	TRM1-SW-09-12-1708	09/12/2003	1708	09/17/2003	5	28
TRM1	TRM1-SW-09-12-2108	09/12/2003	2108	09/17/2003	5	28
TRM1	TRM1-SW-09-13-0108	09/13/2003	0108	09/17/2003	4	28
TRM1	TRM1-SW-09-14-1708	09/14/2003	1708	09/18/2003	4	28
TRM1	TRM1-SW-09-14-2108	09/14/2003	2108	09/18/2003	4	28
TRM1	TRM1-SW-09-15-0108	09/15/2003	0108	09/18/2003	3	28
TRM1	TRM1-SW-09-15-0508	09/15/2003	0508	09/18/2003	3	28
WF	WF-SW-01-30-1030	01/30/2003	1030	02/03/2003	4	28
WF	WF-SW-03-17-0900	03/17/2003	0900	03/22/2003	5	28
WF	WF-SW-04-28-1025	04/28/2003	1025	04/30/2003	2	28
WF	WF-SW-05-30-0755	05/30/2003	0755	06/06/2003	7	28
WF	WF-SW-06-20-0855	06/20/2003	0855	06/24/2003	4	28
WF Lab Dup	WF-SW-06-20-0855	06/20/2003	0855	06/24/2003	4	28
WF MS	WF-SW-06-20-0855	06/20/2003	0855	06/24/2003	4	28
WF MSD	WF-SW-06-20-0855	06/20/2003	0855	06/25/2003	5	28
WF	WF-SW-07-28-0835	07/28/2003	0835	08/04/2003	7	28
WF Field Dup	SW1183	07/28/2003	0835	08/04/2003	7	28
WF	WF-SW-09-04-0845	09/04/2003	0845	09/16/2003	12	28
WF	WF-SW-09-30-0750	09/30/2003	0750	10/15/2003	15	28
WF	WF-SW-10-31-0810	10/31/2003	0810	11/07/2003	7	28
WF	WF-SW-12-15-0824	12/15/2003	0824	12/31/2003	16	28
WF Lab Dup	WF-SW-12-15-0824	12/15/2003	0824	12/31/2003	16	28
WF MS	WF-SW-12-15-0824	12/15/2003	0824	12/31/2003	16	28
WF MSD	WF-SW-12-15-0824	12/15/2003	0824	12/31/2003	16	28

Shading Shading indicates that holding time was exceeded.
Dup Duplicate.
Lab Laboratory.
MS Matrix spike sample.
MSD Matrix spike duplicate sample.

TABLE 4a

WATER METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 5)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG11485-1	10/18/2002	<1	µg/l
WG11667-1	11/05/2002	<1	µg/l
WG11736-1	10/22/2002	<1	µg/l
WG11785-1	10/23/2002	<1	µg/l
WG11787-1	10/23/2002	<1	µg/l
WG11788-1	10/24/2002	<1	µg/l
WG11789-1	10/25/2002	<1	µg/l
WG11790-1	10/26/2002	<1	µg/l
WG11791-1	10/28/2002	<1	µg/l
WG11794-1	10/31/2002	<1	µg/l
WG11795-1	11/03/2002	<1	µg/l
WG11796-1	11/04/2002	<1	µg/l
WG11797-1	11/11/2002	<1	µg/l
WG11798-1	11/19/2002	<1	µg/l
WG11799-1	11/23/2002	<1	µg/l
WG11802-1	11/29/2002	<1	µg/l
WG11804-1	10/29/2002	<1	µg/l
WG11805-1	10/30/2002	<1	µg/l
WG11806-1	12/11/2002	<1	µg/l
WG11880-1	01/06/2003	<1	µg/l
WG11881-1	12/23/2002	<1	µg/l
WG11918-1	01/17/2003	<1	µg/l
WG11981-1	02/03/2003	<1	µg/l
WG11982-1	02/03/2003	<1	µg/l
WG12047-1	02/13/2003	<1	µg/l
WG12100-1	03/04/2003	<1	µg/l
WG12229-1	03/21/2003	<1	µg/l
WG12230-1	03/22/2003	<1	µg/l
WG12260-1	04/02/2003	<1	µg/l
WG12330-1	04/15/2003	<1	µg/l
WG12427-1	04/29/2003	<1	µg/l
WG12428-1	04/29/2003	<1	µg/l
WG12459-1	05/03/2003	<1	µg/l
WG12484-1	05/07/2003	<1	µg/l
WG12485-1	05/07/2003	<1	µg/l
WG12507-1	05/11/2003	<1	µg/l
WG12508-1	05/11/2003	<1	µg/l
WG12509-1	05/10/2003	<1	µg/l
WG12510-1	05/10/2003	<1	µg/l
WG12521-1	05/12/2003	<1	µg/l
WG12522-1	05/12/2003	<1	µg/l
WG12523-1	05/09/2003	<1	µg/l
WG12524-1	05/08/2003	<1	µg/l
WG12525-1	05/08/2003	<1	µg/l

TABLE 4a

WATER METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 5)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG12560-1	05/14/2003	<1	µg/l
WG12561-1	05/15/2003	<1	µg/l
WG12562-1	05/15/2003	<1	µg/l
WG12599-1	05/20/2003	<1	µg/l
WG12600-1	05/20/2003	<1	µg/l
WG12616-1	05/21/2003	<1	µg/l
WG12618-1	05/17/2003	<1	µg/l
WG12619-1	05/17/2003	<1	µg/l
WG12620-1	05/18/2003	<1	µg/l
WG12622-1	05/16/2003	<1	µg/l
WG12623-1	05/16/2003	<1	µg/l
WG12624-1	05/14/2003	<1	µg/l
WG12626-1	05/15/2003	<1	µg/l
WG12627-1	05/15/2003	<1	µg/l
WG12628-1	05/16/2003	<1	µg/l
WG12629-1	05/13/2003	<1	µg/l
WG12635-1	05/19/2003	<1	µg/l
WG12636-1	05/19/2003	<1	µg/l
WG12637-1	05/19/2003	<1	µg/l
WG12641-1	05/21/2003	<1	µg/l
WG12642-1	05/21/2003	<1	µg/l
WG12643-1	05/22/2003	<1	µg/l
WG12646-1	05/22/2003	<1	µg/l
WG12647-1	05/23/2003	<1	µg/l
WG12651-1	05/23/2003	<1	µg/l
WG12652-1	05/23/2003	<1	µg/l
WG12653-1	05/23/2003	<1	µg/l
WG12654-1	05/24/2003	<1	µg/l
WG12656-1	05/25/2003	<1	µg/l
WG12657-1	05/25/2003	<1	µg/l
WG12658-1	05/25/2003	<1	µg/l
WG12664-1	05/26/2003	<1	µg/l
WG12665-1	05/24/2003	<1	µg/l
WG12666-1	05/24/2003	<1	µg/l
WG12677-1	05/27/2003	<1	µg/l
WG12692-1	05/28/2003	<1	µg/l
WG12693-1	05/28/2003	<1	µg/l
WG12694-1	05/28/2003	<1	µg/l
WG12713-1	05/29/2003	<1	µg/l
WG12714-1	05/29/2003	<1	µg/l
WG12715-1	05/29/2003	<1	µg/l
WG12716-1	05/30/2003	<1	µg/l
WG12717-1	05/30/2003	<1	µg/l
WG12719-1	06/01/2003	<1	µg/l

TABLE 4a

WATER METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 5)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG12720-1	06/02/2003	<1	µg/l
WG12751-1	06/02/2003	<1	µg/l
WG12755-1	06/02/2003	<1	µg/l
WG12756-1	06/03/2003	<1	µg/l
WG12757-1	06/03/2003	<1	µg/l
WG12782-1	06/06/2003	<1	µg/l
WG12793-1	06/06/2003	<1	µg/l
WG12794-1	06/06/2003	<1	µg/l
WG12795-1	06/07/2003	<1	µg/l
WG12798-1	06/07/2003	<1	µg/l
WG12802-1	06/08/2003	<1	µg/l
WG12803-1	06/08/2003	<1	µg/l
WG12820-1	06/10/2003	<1	µg/l
WG12919-1	06/24/2003	<1	µg/l
WG12920-1	06/24/2003	<1	µg/l
WG12922-1	06/17/2003	<1	µg/l
WG12923-1	06/17/2003	<1	µg/l
WG12962-1	06/27/2003	<1	µg/l
WG12963-1	06/28/2003	<1	µg/l
WG12966-1	06/28/2003	<1	µg/l
WG12968-1	06/28/2003	<1	µg/l
WG13001-1	07/02/2003	<1	µg/l
WG13002-1	07/02/2003	<1	µg/l
WG13054-1	07/11/2003	<1	µg/l
WG13144-1	07/24/2003	<1	µg/l
WG13226-1	08/04/2003	<1	µg/l
WG13251-1	07/16/2003	<1	µg/l
WG13252-1	07/16/2003	<1	µg/l
WG13253-1	07/17/2003	<1	µg/l
WG13254-1	07/17/2003	<1	µg/l
WG13255-1	08/06/2003	<1	µg/l
WG13261-1	08/05/2003	<1	µg/l
WG13384-1	08/22/2003	<1	µg/l
WG13441-1	09/03/2003	<1	µg/l
WG13511-1	09/16/2003	<1	µg/l
WG13521-1	09/16/2003	<1	µg/l
WG13547-1	09/17/2003	<1	µg/l
WG13549-1	09/17/2003	<1	µg/l
WG13569-1	09/19/2003	<1	µg/l
WG13576-1	09/18/2003	<1	µg/l
WG13583-1	09/22/2003	<1	µg/l
WG13585-1	09/22/2003	<1	µg/l
WG13586-1	09/22/2003	<1	µg/l
WG13595-1	09/23/2003	<1	µg/l

TABLE 4a

WATER METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 5)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG13596-1	09/23/2003	<1	µg/l
WG13597-1	09/24/2003	<1	µg/l
WG13602-1	09/24/2003	<1	µg/l
WG13603-1	09/24/2003	<1	µg/l
WG13634-1	09/20/2003	<1	µg/l
WG13635-1	09/20/2003	<1	µg/l
WG13636-1	09/21/2003	<1	µg/l
WG13643-1	09/21/2003	<1	µg/l
WG13654-1	09/18/2003	<1	µg/l
WG13816-1	09/24/2003	<1	µg/l
WG13817-1	09/25/2003	<1	µg/l
WG13818-1	09/25/2003	<1	µg/l
WG13819-1	09/30/2003	<1	µg/l
WG13820-1	09/30/2003	<1	µg/l
WG13821-1	10/01/2003	<1	µg/l
WG13822-1	10/01/2003	<1	µg/l
WG13823-1	10/02/2003	<1	µg/l
WG13824-1	10/02/2003	<1	µg/l
WG13828-1	10/02/2003	<1	µg/l
WG13829-1	10/03/2003	<1	µg/l
WG13845-1	10/03/2003	<1	µg/l
WG13846-1	10/03/2003	<1	µg/l
WG13847-1	10/04/2003	<1	µg/l
WG13852-1	10/04/2003	<1	µg/l
WG13853-1	10/04/2003	<1	µg/l
WG13864-1	10/05/2003	<1	µg/l
WG13865-1	10/05/2003	<1	µg/l
WG13866-1	10/06/2003	<1	µg/l
WG13867-1	10/06/2003	<1	µg/l
WG13868-1	10/06/2003	<1	µg/l
WG13883-1	10/07/2003	<1	µg/l
WG13884-1	10/07/2003	<1	µg/l
WG13885-1	10/07/2003	<1	µg/l
WG13886-1	10/08/2003	<1	µg/l
WG13887-1	10/08/2003	<1	µg/l
WG13888-1	10/09/2003	<1	µg/l
WG13889-1	10/09/2003	<1	µg/l
WG13890-1	10/09/2003	<1	µg/l
WG13893-1	10/10/2003	<1	µg/l
WG13894-1	10/10/2003	<1	µg/l
WG13895-1	10/10/2003	<1	µg/l
WG13903-1	10/15/2003	<1	µg/l
WG13904-1	10/15/2003	<1	µg/l
WG13905-1	10/16/2003	<1	µg/l

TABLE 4a

WATER METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 5 of 5)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG13906-1	10/16/2003	<1	µg/l
WG13918-1	10/17/2003	<1	µg/l
WG13919-1	10/17/2003	<1	µg/l
WG13920-1	10/18/2003	<1	µg/l
WG13921-1	10/18/2003	<1	µg/l
WG13926-1	10/11/2003	<1	µg/l
WG13927-1	10/11/2003	<1	µg/l
WG13937-1	10/12/2003	<1	µg/l
WG13938-1	10/12/2003	<1	µg/l
WG13939-1	10/13/2003	<1	µg/l
WG13940-1	10/13/2003	<1	µg/l
WG13949-1	10/14/2003	<1	µg/l
WG13950-1	10/14/2003	<1	µg/l
WG13958-1	11/07/2003	<1	µg/l
WG14182-1	12/30/2003	<1	µg/l
WG14183-1	12/30/2003	<1	µg/l
WG14199-1	12/31/2003	<1	µg/l
WG14200-1	12/31/2003	<1	µg/l

Non-detect sample data are reported to the method detection limit.
µg/l micrograms per liter.

TABLE 4b

SOIL METHOD BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Laboratory Identification	Analysis Date	Perchlorate Result	Units
WG11801-1	11/29/2002	<10	µg/kg

Non-detect sample data are reported to the method detection limit.
µg/kg micrograms per kilogram.

TABLE 5

EQUIPMENT RINSEATE BLANK DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Field Identification	Collection Date	Perchlorate Result	Units	Comments
ADCPT4-SW-1405-EB	12/17/2003	<1	µg/l	
ADCPT5-SW-EB	09/23/2003	<1	µg/l	
ADCPT7-SW-EB	09/24/2003	<1	µg/l	
ADCPT11F1-SW-EB	12/10/2003	<1	µg/l	
ADCPT12-SW-EB	09/24/2003	<1	µg/l	
ADCPT14-SW-EB	09/24/2003	<1	µg/l	
ADCPT17-SW-EB	09/24/2003	<1	µg/l	
ADCPT20-SW-0920-EB	12/18/2003	<1	µg/l	
ADCPT22-EB	12/10/2003	<1	µg/l	
EB-1001	06/23/2003	<1	µg/l	
EB-1002	06/23/2003	<1	µg/l	
EB-1003	06/23/2003	<1	µg/l	
EB-1004	06/23/2003	<1	µg/l	
EB-1005	06/23/2003	<1	µg/l	
EB-1006	06/23/2003	<1	µg/l	
LB3-SW-1.1-EB	06/12/2003	<1	µg/l	Sample Temp. = 8°C at Lab
LB14-SW-0.3-EB	06/12/2003	<1	µg/l	Sample Temp. = 8°C at Lab
LW2-SPW-EB	07/10/2003	<1	µg/l	
LW3-SW-7.3-EB	06/26/2003	<1	µg/l	
LW6-SPW-EB	07/10/2003	<1	µg/l	
LW14-SW-2.6-EB	06/26/2003	<1	µg/l	

Non-detect sample data are reported to the method detection limit.
µg/l

TABLE 6

FIELD DUPLICATE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 7)

Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
ADCPT4	ADCPT4-SW-5	SW5000	09/23/2003	1317	<1	<1	NC
ADCPT8	ADCPT8-SW-5	SW5001	09/24/2003	1120	<1	<1	NC
ADCPT8	ADCPT8-SW-1530-5	SW9005	12/17/2003	1530	<1	<1	NC
ADCPT10F1	ADCPT10F1-SW-33	SW5002	09/24/2003	1235	<1	<1	NC
ADCPT11F1	ADCPT11F1-SW-40	SW9001	12/10/2003	1646	<1	<1	NC
ADCPT15F1	ADCPT15F1-SW-8	SW5003	09/24/2003	1430	<1	<1	NC
ADCPT17	ADCPT17-SW-5	SW5004	09/24/2003	1510	<1	<1	NC
ADCPT19	ADCPT19-SW-1009-55	SW9006	12/18/2003	1009	<1	<1	NC
ADCPT20	ADCPT20-SW-0920-82	SW9007	12/18/2003	0920	<1	<1	NC
ADCPT22	ADCPT22-SW-3.5	SW9000	12/10/2003	1345	<1	<1	NC
BB	BB-SW-06-20-1005	SW1179	06/20/2003	1005	<1	<1	NC
BC	BC-SW-03-17-0940	SW1051	03/17/2003	0940	<1	<1	NC
CHC1	CHC1-SW-05-02-1302	SW1078	05/02/2003	1302	<1	<1	NC
CHC1	CHC1-SW-05-04-0502	SW1079	05/04/2003	0502	<1	<1	NC
CHC1	CHC1-SW-05-04-0902	SW1076	05/04/2003	0902	<1	<1	NC
CHC1	CHC1-SW-05-06-1702	SW1096	05/06/2003	1702	<1	<1	NC
CHC1	CHC1-SW-05-07-1702	SW1113	05/07/2003	1702	<1	<1	NC
CHC1	CHC1-SW-05-10-1302	SW1135	05/10/2003	1302	<1	<1	NC
CHC1	CHC1-SW-05-12-0502	SW1136	05/12/2003	0502	<1	<1	NC
CHC1	CHC1-SW-05-12-1302	SW1152	05/12/2003	1302	<1	<1	NC
CHC1	CHC1-SW-05-14-0502	SW1153	05/14/2003	0502	<1	<1	NC
CHC1	CHC1-SW-05-14-1302	SW1167	05/14/2003	1302	<1	<1	NC
CHC1	CHC1-SW-05-16-0502	SW1168	05/16/2003	0502	<1	<1	NC
CHC1	CHC1-SW-07-03-0659	SW1180	07/03/2003	0659	<1	<1	NC
CHC1	CHC1-SW-09-12-0545	SW1201	09/12/2003	0545	<1	<1	NC
CHC1	CHC1-SW-09-14-0145	SW1202	09/14/2003	0145	<1	<1	NC
CHC1	CHC1-SW-09-15-0945	SW1203	09/15/2003	0945	<1	<1	NC
CHC1	CHC1-SW-09-16-0945	SW1211	09/16/2003	0945	<1	<1	NC
CHC1	CHC1-SW-09-18-1345	SW1222	09/18/2003	1345	<1	<1	NC
CHC1	CHC1-SW-09-20-1345	SW1242	09/20/2003	1345	<1	<1	NC
CHC1	CHC1-SW-09-22-0545	SW1243	09/22/2003	0545	<1	<1	NC
CHC1	CHC1-SW-09-22-2145	SW1264	09/22/2003	2145	<1	<1	NC
CHC1	CHC1-SW-09-25-2145	SW1280	09/25/2003	2145	<1	<1	NC
CHC1	CHC1-SW-09-27-0545	SW1295	09/27/2003	0545	<1	<1	NC
CHC1	CHC1-SW-09-29-0945	SW1296	09/29/2003	0945	<1	<1	NC
CHC1	CHC1-SW-09-29-2145	SW1309	09/29/2003	2145	<1	<1	NC
GV	GV-SW-05-30-1000	SW1174	05/30/2003	1000	<1	<1	NC
HC1	HC1-SW-10-27-0700	SW1018	10/27/2002	0700	**2 J**	<1	NC
HC1	HC1-SW-10-28-0659	SW1021	10/28/2002	0659	**2 J**	**2 J**	0.0
HC1	HC1-SW-11-21-0700	SW1030	11/21/2002	0700	**2 J**	**2 J**	0.0
HC1	HC1-SW-01-30-0700	SW1044	01/30/2003	0700	**4.4**	**4.1**	7.1
HC1	HC1-SW-02-13-0700	SW1045	02/13/2003	0700	**4.3**	**4.4**	2.3
HC1	HC1-SW-05-02-1825	SW1063	05/02/2003	1825	<1	<1	NC
HC1	HC1-SW-05-02-2225	SW1064	05/02/2003	2225	<1	<1	NC
HC1	HC1-SW-05-03-0225	SW1062	05/03/2003	0225	<1	<1	NC

TABLE 6

FIELD DUPLICATE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 7)

Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
HC1	HC1-SW-05-06-2225	SW1089	05/06/2003	2225	**2 J**	**1 J**	25.5
HC1	HC1-SW-05-08-0625	SW1106	05/08/2003	0625	<1	<1	NC
HC1	HC1-SW-05-10-0625	SW1124	05/10/2003	0625	**1 J**	<1	NC
HC1	HC1-SW-05-11-2225	SW1125	05/11/2003	2225	<1	**1 J**	NC
HC1	HC1-SW-05-12-2225	SW1145	05/12/2003	2225	**1 J**	**1 J**	0.0
HC1	HC1-SW-05-14-2225	SW1160	05/14/2003	2225	**1 J**	**1 J**	0.0
HC1	HC1-SW-07-17-0700	SW1182	07/17/2003	0700	<1	<1	NC
HC1	HC1-SW-07-31-0700	SW1184	07/31/2003	0700	<1	<1	NC
HC1	HC1-SW-09-11-0825	SW1190	09/11/2003	0825	<1	<1	NC
HC1	HC1-SW-09-12-1641	SW1192	09/12/2003	1641	<1	<1	NC
HC1	HC1-SW-09-14-0841	SW1193	09/14/2003	0841	<1	<1	NC
HC1	HC1-SW-09-16-1641	SW1208	09/16/2003	1641	<1	<1	NC
HC1	HC1-SW-09-17-2041	SW1219	09/17/2003	2041	<1	<1	NC
HC1	HC1-SW-09-20-1241	SW1235	09/20/2003	1241	<1	<1	NC
HC1	HC1-SW-09-22-0441	SW1236	09/22/2003	0441	<1	<1	NC
HC1	HC1-SW-09-23-1641	SW1260	09/23/2003	1641	<1	<1	NC
HC1	HC1-SW-09-25-0841	SW1273	09/25/2003	0841	<1	<1	NC
HC1	HC1-SW-09-27-0041	SW1289	09/27/2003	0041	<1	<1	NC
HC1	HC1-SW-09-28-1641	SW1290	09/28/2003	1641	<1	<1	NC
HC1	HC1-SW-09-30-0841	SW1305	09/30/2003	0841	<1	<1	NC
HC2	HC2-SW-10-19-0700	SW1007	10/19/2002	0700	<1	<1	NC
HC2	HC2-SW-10-23-0700	SW1011	10/23/2002	0700	<1	<1	NC
HC2	HC2-SW-10-26-0700	SW1017	10/26/2002	0700	<1	<1	NC
HC2	HC2-SW-03-13-0700	SW1050	03/13/2003	0700	**4**	**2 J**	48.1
HC2	HC2-SW-05-03-1608	SW1068	05/03/2003	1608	<1	<1	NC
HC2	HC2-SW-05-04-2008	SW1070	05/04/2003	2008	<1	<1	NC
HC2	HC2-SW-05-05-1208	SW1087	05/05/2003	1208	<1	<1	NC
HC2	HC2-SW-05-07-0408	SW1088	05/07/2003	0408	<1	<1	NC
HC2	HC2-SW-05-08-1222	SW1105	05/08/2003	1222	<1	<1	NC
HC2	HC2-SW-05-09-2022	SW1122	05/09/2003	2022	<1	<1	NC
HC2	HC2-SW-05-11-1222	SW1123	05/11/2003	1222	<1	<1	NC
HC2	HC2-SW-05-13-0422	SW1144	05/13/2003	0422	<1	<1	NC
HC2	HC2-SW-05-15-0422	SW1159	05/15/2003	0422	<1	<1	NC
HC2	HC2-SW-05-22-0822	SW1173	05/22/2003	0822	<1	<1	NC
HC2	HC2-SW-09-13-2031	SW1191	09/13/2003	2031	<1	<1	NC
HC2	HC2-SW-09-16-2031	SW1207B	09/16/2003	2031	<1	<1	NC
HC2	HC2-SW-09-18-0831	SW1218	09/18/2003	0831	<1	<1	NC
HC2	HC2-SW-09-20-0431	SW1233	09/20/2003	0431	<1	<1	NC
HC2	HC2-SW-09-21-2031	SW1234	09/21/2003	2031	<1	<1	NC
HC2	HC2-SW-09-24-0031	SW1259	09/24/2003	0031	<1	<1	NC
HC2	HC2-SW-09-25-0831	SW1272	09/25/2003	0831	<1	<1	NC
HC2	HC2-SW-09-26-1631	SW1287	09/26/2003	1631	<1	<1	NC
HC2	HC2-SW-09-28-0831	SW1288	09/28/2003	0831	<1	<1	NC
HC2	HC2-SW-09-30-1631	SW1304	09/30/2003	1631	<1	<1	NC
HR	HR-SW-11-26-1110	SW1033	11/26/2002	1110	<1	<1	NC

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Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
HR	HR-SW-04-28-1343	SW1058	04/28/2003	1343	<1	<1	NC
HR	HR-SW-09-04-1340	SW1189	09/04/2003	1340	<1	<1	NC
LR1	LR1-SW-05-06-2028	SW1095	05/06/2003	2028	<1	<1	NC
LR1	LR1-SW-05-07-2028	SW1112	05/07/2003	2028	<1	<1	NC
LR1	LR1-SW-05-10-0428	SW1133	05/10/2003	0428	<1	<1	NC
LR1	LR1-SW-05-11-2028	SW1134	05/11/2003	2028	<1	<1	NC
LR1	LR1-SW-05-12-2028	SW1151	05/12/2003	2028	<1	<1	NC
LR1	LR1-SW-05-14-2028	SW1166	05/14/2003	2028	<1	<1	NC
LR1	LR1-SW-06-05-0659	SW1176	06/05/2003	0659	<1	<1	NC
LR1	LR1-SW-09-12-1342	SW1197	09/12/2003	1342	<1	<1	NC
LR1	LR1-SW-09-12-1742	SW1198	09/12/2003	1742	<1	<1	NC
LR1	LR1-SW-09-13-2142	SW1199	09/13/2003	2142	<1	<1	NC
LR1	LR1-SW-09-15-0942	SW1200	09/15/2003	0942	<1	<1	NC
LR1	LR1-SW-09-16-2141	SW1210	09/16/2003	2141	<1	<1	NC
LR1	LR1-SW-09-17-1741	SW1221	09/17/2003	1741	<1	<1	NC
LR1	LR1-SW-09-21-2141	SW1241	09/21/2003	2141	<1	<1	NC
LR1	LR1-SW-09-23-0541	SW1263	09/23/2003	0541	<1	<1	NC
LR1	LR1-SW-09-24-1341	SW1278	09/24/2003	1341	<1	<1	NC
LR1	LR1-SW-09-26-0541	SW1279	09/26/2003	0541	<1	<1	NC
LR1	LR1-SW-09-27-1742	SW1293	09/27/2003	1742	<1	<1	NC
LR1	LR1-SW-09-29-0941	SW1294	09/29/2003	0941	<1	<1	NC
MBR1	MBR1-SW-05-07-2157	SW1102	05/07/2003	2157	<1	<1	NC
MBR1	MBR1-SW-05-10-2157	SW1119	05/10/2003	2157	<1	<1	NC
MBR1	MBR1-SW-05-13-2157	SW1142	05/13/2003	2157	<1	<1	NC
MBR1	MBR1-SW-05-15-2157	SW1157	05/15/2003	2157	<1	<1	NC
MBR1	MBR1-SW-08-14-0701	SW1186	08/14/2003	0701	<1	<1	NC
MBR1	MBR1-SW-09-16-0402	SW1214	09/16/2003	0402	<1	<1	NC
MBR1	MBR1-SW-09-19-0402	SW1215	09/19/2003	0402	<1	<1	NC
MBR1	MBR1-SW-09-21-0002	SW1230	09/21/2003	0002	<1	<1	NC
MBR1	MBR1-SW-09-23-2002	SW1255	09/23/2003	2002	<1	<1	NC
MBR1	MBR1-SW-09-27-2002	SW1281	09/27/2003	2002	<1	<1	NC
MBR1	MBR1-SW-09-30-2002	SW1302	09/30/2003	2002	<1	<1	NC
OC1	OC1-SW-10-19-0701	SW1005	10/19/2002	0701	<1	<1	NC
OC1	OC1-SW-10-22-0701	SW1009	10/22/2002	0701	<1	<1	NC
OC1	OC1-SW-10-24-0701	SW1012B	10/24/2002	0701	<1	<1	NC
OC1	OC1-SW-10-29-0700	SW1022	10/29/2002	0700	<1	<1	NC
OC1	OC1-SW-10-30-0700	SW1024	10/30/2002	0700	<1	**3 J**	NC
OC1	OC1-SW-12-05-0700	SW1034	12/05/2002	0700	<1	<1	NC
OC1	OC1-SW-01-02-0700	SW1039	01/02/2003	0700	<1	<1	NC
OC1	OC1-SW-01-16-0700	SW1040	01/16/2003	0700	<1	<1	NC
OC1	OC1-SW-01-30-0700	SW1043	01/30/2003	0700	<1	<1	NC
OC1	OC1-SW-02-13-0700	SW1046	02/13/2003	0700	<1	<1	NC
OC1	OC1-SW-03-27-0659	SW1053	03/27/2003	0659	<1	<1	NC
OC1	OC1-SW-05-03-1558	SW1081	05/03/2003	1558	<1	<1	NC
OC1	OC1-SW-05-04-2358	SW1080	05/04/2003	2358	<1	<1	NC

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Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
OC1	OC1-SW-05-05-1158	SW1093	05/05/2003	1158	<1	<1	NC
OC1	OC1-SW-05-07-0358	SW1094	05/07/2003	0358	<1	<1	NC
OC1	OC1-SW-05-08-0758	SW1111	05/08/2003	0758	<1	<1	NC
OC1	OC1-SW-05-09-1958	SW1131	05/09/2003	1958	<1	<1	NC
OC1	OC1-SW-05-11-1158	SW1132	05/11/2003	1158	<1	<1	NC
OC1	OC1-SW-05-13-0358	SW1150	05/13/2003	0358	<1	<1	NC
OC1	OC1-SW-05-15-0358	SW1165	05/15/2003	0358	<1	<1	NC
RW	RW-SW-11-26-1050	SW1032	11/26/2002	1050	<1	<1	NC
RW	RW-SW-01-29-1335	SW1042	01/29/2003	1355	<1	<1	NC
RW	RW-SW-09-30-1350	SW1301	09/30/2003	1350	<1	<1	NC
RW	RW-SW-10-31-1037	SW1312	10/31/2003	1037	<1	<1	NC
RW	RW-SW-12-15-1307	SW1410	12/15/2003	1307	<1	<1	NC
SBR1	SBR1-SW-02-27-0700	SW1047	02/27/2003	0700	**4**	**3 J**	10.6
SBR1	SBR1-SW-05-02-1856	SW1061	05/02/2003	1856	<1	**2 J**	NC
SBR1	SBR1-SW-05-04-1456	SW1066	05/04/2003	1456	<1	<1	NC
SBR1	SBR1-SW-05-06-1057	SW1097	05/06/2003	1057	<1	<1	NC
SBR1	SBR1-SW-05-07-1056	SW1114	05/07/2003	1056	**2 J**	<1	NC
SBR1	SBR1-SW-05-09-0656	SW1115	05/09/2003	0656	<1	<1	NC
SBR1	SBR1-SW-05-10-2256	SW1137	05/10/2003	2256	<1	<1	NC
SBR1	SBR1-SW-05-13-2256	SW1154	05/13/2003	2256	<1	**1 J**	NC
SBR1	SBR1-SW-05-15-2256	SW1169	05/15/2003	2256	<1	<1	NC
SBR1	SBR1-SW-08-28-0700	SW1187	08/28/2003	0700	<1	**2 J**	NC
SBR1	SBR1-SW-09-20-2301	SW1237A	09/20/2003	2301	<1	<1	NC
SBR1	SBR1-SW-09-23-0701	SW1261	09/23/2003	0701	<1	**1 J**	NC
SBR1	SBR1-SW-09-24-2301	SW1274	09/24/2003	2301	<1	**2 J**	NC
SBR1	SBR1-SW-09-27-1501	SW1297	09/27/2003	1501	<1	<1	NC
SBR1	SBR1-SW-09-29-0701	SW1298	09/29/2003	0701	<1	<1	NC
SBR1	SBR1-SW-09-30-0301	SW1306	09/30/2003	0301	<1	<1	NC
SBR2	SBR2-SW-05-02-0317	SW1060	05/02/2003	0317	**1 J**	<1	NC
SBR2	SBR2-SW-05-02-1917	SW1075	05/02/2003	2317	<1	**1 J**	NC
SBR2	SBR2-SW-05-03-0717	SW1077	05/03/2003	0717	<1	**1 J**	NC
SBR2	SBR2-SW-05-06-0200	SW1098	05/06/2003	0200	<1	<1	NC
SBR2	SBR2-SW-05-08-1800	SW1116	05/08/2003	1800	<1	<1	NC
SBR2	SBR2-SW-05-09-1311	SW1138	05/09/2003	1311	<1	<1	NC
SBR2	SBR2-SW-05-11-0200	SW1139	05/11/2003	0200	<1	<1	NC
SBR2	SBR2-SW-05-13-1400	SW1155	05/13/2003	1400	<1	<1	NC
SBR2	SBR2-SW-05-15-1400	SW1170	05/15/2003	1400	<1	<1	NC
SBR2	SBR2-SW-09-13-0543	SW1204	09/13/2003	0543	<1	<1	NC
SBR2	SBR2-SW-09-15-1343	SW1205	09/15/2003	1343	<1	<1	NC
SBR2	SBR2-SW-09-16-0543	SW1212	09/16/2003	0543	<1	<1	NC
SBR2	SBR2-SW-09-18-0543	SW1223	09/18/2003	0543	<1	<1	NC
SBR2	SBR2-SW-09-19-2143	SW1237B	09/19/2003	2143	<1	<1	NC
SBR2	SBR2-SW-09-21-1343	SW1238	09/21/2003	1343	<1	<1	NC
SBR2	SBR2-SW-09-22-1343	SW1265	09/22/2003	1343	<1	<1	NC
SBR2	SBR2-SW-09-24-0943	SW1266	09/24/2003	0943	<1	<1	NC

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Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
SBR2	SBR2-SW-09-24-1743	SW1275	09/24/2003	1743	<1	<1	NC
SBR2	SBR2-SW-09-26-0943	SW1276	09/26/2003	0943	<1	<1	NC
SBR2	SBR2-SW-09-27-2143	SW1299	09/27/2003	2143	<1	<1	NC
SBR2	SBR2-SW-09-29-1343	SW1300	09/29/2003	1343	<1	<1	NC
SBR2	SBR2-SW-09-30-0543	SW1307	09/30/2003	0543	<1	<1	NC
SBR3	SBR3-SW-05-05-0352	SW1074	05/05/2003	0352	<1	<1	NC
SBR3	SBR3-SW-05-05-0752	SW1100	05/05/2003	0752	<1	<1	NC
SBR3	SBR3-SW-05-06-2352	SW1101	05/06/2003	2352	<1	<1	NC
SBR3	SBR3-SW-05-07-1152	SW1118	05/07/2003	1152	<1	<1	NC
SBR3	SBR3-SW-09-18-1740	SW1217	09/18/2003	1740	<1	<1	NC
SBR3	SBR3-SW-09-20-1740	SW1244	09/20/2003	1740	<1	<1	NC
SBR3	SBR3-SW-09-23-1340	SW1258	09/23/2003	1340	<1	<1	NC
SBR3	SBR3-SW-09-25-1340	SW1271	09/25/2003	1340	<1	<1	NC
SBR3	SBR3-SW-09-27-0140	SW1286	09/27/2003	0140	<1	<1	NC
SBR4	SBR4-SW-12-19-0700	SW1036	12/19/2002	0700	**2 J**	**2 J**	0.0
SBR4	SBR4-SW-02-27-0700	SW1048	02/27/2003	0700	<1	<1	NC
SBR4	SBR4-SW-05-02-0338	SW1059	05/02/2003	0338	**1 J**	<1	NC
SBR4	SBR4-SW-05-02-1438	SW1067	05/02/2003	1438	<1	<1	NC
SBR4	SBR4-SW-05-04-1538	SW1069	05/04/2003	1538	<1	<1	NC
SBR4	SBR4-SW-05-05-1538	SW1099	05/05/2003	1538	<1	<1	NC
SBR4	SBR4-SW-05-08-0738	SW1117	05/08/2003	0738	<1	<1	NC
SBR4	SBR4-SW-05-09-1538	SW1140	05/09/2003	1538	<1	<1	NC
SBR4	SBR4-SW-05-11-0738	SW1141	05/11/2003	0738	<1	<1	NC
SBR4	SBR4-SW-05-13-0338	SW1156	05/13/2003	0338	<1	<1	NC
SBR4	SBR4-SW-05-15-0338	SW1171	05/15/2003	0338	<1	<1	NC
SBR4	SBR4-SW-08-28-0700	SW1188	08/28/2003	1300	<1	<1	NC
SBR4	SBR4-SW-09-12-2140	SW1206	09/12/2003	2140	<1	<1	NC
SBR4	SBR4-SW-09-15-1340	SW1207A	09/15/2003	1340	<1	<1	NC
SBR4	SBR4-SW-09-16-0140	SW1213	09/16/2003	0140	<1	<1	NC
SBR4	SBR4-SW-09-18-2140	SW1216	09/18/2003	2140	<1	<1	NC
SBR4	SBR4-SW-09-19-1740	SW1231	09/19/2003	1740	<1	<1	NC
SBR4	SBR4-SW-09-21-0940	SW1232	09/21/2003	0940	<1	<1	NC
SBR4	SBR4-SW-09-23-2140	SW1257	09/23/2003	2140	<1	<1	NC
SBR4	SBR4-SW-09-25-2140	SW1270	09/25/2003	2140	<1	<1	NC
SBR4	SBR4-SW-09-26-1740	SW1284	09/26/2003	1740	<1	<1	NC
SBR4	SBR4-SW-09-28-0940	SW1285	09/28/2003	0940	<1	<1	NC
SBR4	SBR4-SW-09-30-2140	SW1303	09/30/2003	2140	<1	<1	NC
SBR5	SBR5-SW-12-19-0700	SW1037	12/19/2002	0700	**2 J**	**2 J**	0.0
SBR5	SBR5-SW-05-03-0204	SW1073	05/03/2003	0204	<1	<1	NC
SBR5	SBR5-SW-05-03-1804	SW1072	05/03/2003	1804	<1	<1	NC
SBR5	SBR5-SW-05-04-1404	SW1071	05/04/2003	1404	<1	<1	NC
SBR5	SBR5-SW-05-05-2204	SW1086	05/05/2003	2204	<1	<1	NC
SBR5	SBR5-SW-05-07-1404	SW1103	05/07/2003	1404	<1	<1	NC
SBR5	SBR5-SW-05-09-0604	SW1104	05/09/2003	0604	<1	<1	NC
SBR5	SBR5-SW-05-09-1404	SW1120	05/09/2003	1404	<1	<1	NC

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SBR5	SBR5-SW-05-11-0604	SW1121	05/11/2003	0604	<1	<1	NC
SBR5	SBR5-SW-05-13-1404	SW1143	05/13/2003	1404	<1	<1	NC
SBR5	SBR5-SW-05-15-1403	SW1158	05/15/2003	1403	<1	<1	NC
SBR5	SBR5-SW-06-19-0659	SW1177	06/19/2003	0659	<1	<1	NC
SBR5	SBR5-SW-09-24-0410	SW1256	09/24/2003	0410	<1	<1	NC
SBR5	SBR5-SW-09-24-1610	SW1268	09/24/2003	1610	<1	<1	NC
SBR5	SBR5-SW-09-26-0812	SW1269	09/26/2003	0812	<1	<1	NC
SBR5	SBR5-SW-09-26-1211	SW1282	09/26/2003	1211	<1	<1	NC
SBR5	SBR5-SW-09-28-0411	SW1283	09/28/2003	0411	<1	<1	NC
SC1	SC1-SW-10-17-0700	SW1001	10/17/2002	0700	<1	<1	NC
SC1	SC1-SW-18-10-0700	SW1003	10/18/2002	0700	<1	<1	NC
SC1	SC1-SW-10-19-0700	SW1006	10/19/2002	0700	<1	<1	NC
SC1	SC1-SW-10-24-0700	SW1013	10/24/2002	0700	<1	<1	NC
SC1	SC1-SW-11-7-0700	SW1027	11/07/2002	0700	<1	<1	NC
SC1	SC1-SW-11-14-0700	SW1029	11/14/2002	0700	<1	<1	NC
SC1	SC1-SW-12-05-0700	SW1035	12/05/2002	0700	<1	<1	NC
SC1	SC1-SW-03-13-0659	SW1049	03/13/2003	0659	<1	<1	NC
SC1	SC1-SW-03-27-0659	SW1052	03/27/2003	0659	<1	<1	NC
SC1	SC1-SW-05-03-0331	SW1065	05/03/2003	0331	<1	<1	NC
SC1	SC1-SW-05-03-0731	SW1084	05/03/2003	0731	<1	<1	NC
SC1	SC1-SW-05-04-1131	SW1085	05/04/2003	1131	<1	<1	NC
SC1	SC1-SW-05-06-0331	SW1091	05/06/2003	0331	<1	<1	NC
SC1	SC1-SW-05-07-1131	SW1108	05/07/2003	1131	<1	<1	NC
SC1	SC1-SW-05-08-2331	SW1109	05/08/2003	2331	<1	<1	NC
SC1	SC1-SW-05-10-1931	SW1128	05/10/2003	1931	<1	<1	NC
SC1	SC1-SW-05-13-1931	SW1148	05/13/2003	1931	<1	<1	NC
SC1	SC1-SW-05-15-1931	SW1163	05/15/2003	1931	<1	<1	NC
SC1	SC1-SW-07-31-0658	SW1185	07/31/2003	0658	<1	<1	NC
SC3	SC3-SW-10-25-0701	SW1015	10/25/2002	0701	**2 J**	**2**	0.0
SC3	SC3-SW-11-14-0700	SW1028	11/14/2002	0700	**3 J**	**3 J**	0.0
SC3	SC3-SW-01-02-0700	SW1038	01/02/2003	0700	**14**	**14**	0.0
SC3	SC3-SW-01-16-0700	SW1041	01/16/2003	0700	**7.4**	**5.9**	22.6
SC3	SC3-SW-05-06-1504	SW1090	05/06/2003	1504	**5.9**	**5.8**	1.7
SC3	SC3-SW-05-07-2304	SW1107	05/07/2003	2304	**2 J**	**2 J**	0.0
SC3	SC3-SW-05-10-1504	SW1126	05/10/2003	1504	**2 J**	**2 J**	0.0
SC3	SC3-SW-05-12-0704	SW1127	05/12/2003	0704	<1	<1	NC
SC3	SC3-SW-05-12-1504	SW1146	05/12/2003	1504	**1 J**	**1 J**	0.0
SC3	SC3-SW-05-14-0704	SW1147	05/14/2003	0704	<1	<1	NC
SC3	SC3-SW-05-14-1504	SW1161	05/14/2003	1504	<1	<1	NC
SC3	SC3-SW-05-16-0704	SW1162	05/16/2003	0704	<1	<1	NC
SC3	SC3-SW-06-05-0700	SW1175	06/05/2003	0700	<1	<1	NC
SC3	SC3-SW-07-17-0659	SW1181	07/17/2003	0659	**2 J**	**2 J**	0.0
SC3	SC3-SW-09-12-0527	SW1194	09/12/2003	0527	<1	<1	NC
SC3	SC3-SW-09-13-1327	SW1195	09/13/2003	1327	<1	<1	NC
SC3	SC3-SW-09-15-0127	SW1196	09/15/2003	0127	<1	<1	NC

TABLE 6

FIELD DUPLICATE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 7 of 7)

Location Identification	Parent Field Identification	Duplicate Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
SC3	SC3-SW-09-16-1727	SW1209	09/16/2003	1727	<1	<1	NC
SC3	SC3-SW-09-18-0127	SW1220	09/18/2003	0127	<1	<1	NC
SC3	SC3-SW-09-20-0527	SW1239	09/20/2003	0527	<1	<1	NC
SC3	SC3-SW-09-21-2127	SW1240	09/21/2003	2127	<1	<1	NC
SC3	SC3-SW-09-23-0127	SW1262	09/23/2003	0127	<1	<1	NC
SC3	SC3-SW-09-26-0127	SW1277	09/26/2003	0127	<1	<1	NC
SC3	SC3-SW-09-27-0927	SW1291	09/27/2003	0927	<1	<1	NC
SC3	SC3-SW-09-29-0127	SW1292	09/29/2003	0127	<1	<1	NC
SC3	SC3-SW-09-29-2127	SW1308	09/29/2003	2127	<1	<1	NC
SC5	SC5-SW-04-10-1038	SW1055	04/10/2003	1008	**4.2**	**4.1**	2.4
SC5	SC5-SW-04-24-0935	SW1056	04/24/2003	0935	**2 J**	**2 J**	0.0
SC5	SC5-SW-05-22-0947	SW1172	05/22/2003	0947	**1 J**	**1 J**	0.0
TRM1	TRM1-SW-10-17-0700	SW1002	10/17/2002	0700	<1	<1	NC
TRM1	TRM1-SW-18-10-0700	SW1004	10/18/2002	0700	<1	<1	NC
TRM1	TRM1-SW-10-19-0700	SW1008	10/19/2002	0700	**26**	**29**	10.9
TRM1	TRM1-SW-10-22-0700	SW1010	10/22/2002	0700	**4.8**	**5.7**	17.1
TRM1	TRM1-SW-10-23-0700	SW1012A	10/23/2002	0700	**5.5**	**5.7**	3.6
TRM1	TRM1-SW-10-25-0700	SW1014	10/25/2002	0700	**6.1**	**6.7**	9.4
TRM1	TRM1-SW-10-26-0700	SW1016	10/26/2002	0700	**6**	**6.7**	11.0
TRM1	TRM1-SW-10-27-0700	SW1019	10/27/2002	0700	**7.3**	**6.8**	7.1
TRM1	TRM1-SW-10-28-0700	SW1020	10/28/2002	0700	**6.7**	**6.1**	9.4
TRM1	TRM1-SW-10-29-0700	SW1023	10/29/2002	0700	**4**	**5**	22.2
TRM1	TRM1-SW-10-30-0700	SW1025	10/30/2002	0700	**3 J**	**3 J**	0.0
TRM1	TRM1-SW-11-7-0700	SW1026	11/07/2002	0700	**9.8**	**10**	2.0
TRM1	TRM1-SW-11-21-0700	SW1031	11/21/2002	0700	**7.4**	**7.4**	0.0
TRM1	TRM1-SW-04-10-1008	SW1054	04/10/2003	1008	<1	<1	NC
TRM1	TRM1-SW-04-24-0900	SW1057	04/24/2003	0900	<1	<1	NC
TRM1	TRM1-SW-05-02-0954	SW1082	05/02/2003	0954	<1	<1	NC
TRM1	TRM1-SW-05-05-0340	SW1083	05/05/2003	0340	<1	<1	NC
TRM1	TRM1-SW-05-05-1940	SW1092	05/05/2003	1940	<1	<1	NC
TRM1	TRM1-SW-05-08-1540	SW1110	05/08/2003	1540	<1	<1	NC
TRM1	TRM1-SW-05-09-1140	SW1129	05/09/2003	1140	<1	--	NC
TRM1	TRM1-SW-05-11-0340	SW1130	05/11/2003	0340	--	<1	NC
TRM1	TRM1-SW-05-13-1140	SW1149	05/13/2003	1140	<1	<1	NC
TRM1	TRM1-SW-05-15-1140	SW1164	05/15/2003	1140	<1	<1	NC
TRM1	TRM1-SW-06-19-0700	SW1178	06/19/2003	0700	**4**	**3 J**	17.1
WF	WF-SW-07-28-0835	SW1183	07/28/2003	0835	<1	<1	NC

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

-- Not applicable.

NC Not calculated.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

RPD Relative percent difference

TABLE 7a

WATER MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 5)

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/l)	MS Result (%)	MSD Result (%)	RPD (%)
ADCPT1	ADCPT1-SW-95	09/23/2003	1125	80-120	20	<1	110	100	9.5
ADCPT3	ADCPT3-SW-1428-5	12/17/2003	1428	80-120	20	<1	107	102	4.7
ADCPT9F1	ADCPT9F1-SW-13	09/24/2003	1220	80-120	20	<1	103	93	10.2
ADCPT14	ADCPT14-SW-5	09/24/2003	1415	80-120	20	<1	107	92	15.1
ADCPT15	ADCPT15-SW-5	12/10/2003	1440	80-120	20	<1	99	99	0.0
ADCPT17	ADCPT17-SW-5	09/24/2003	1510	80-120	20	<1	111	95	15.5
ADCPT19	ADCPT19-SW-1009-5	12/18/2003	1009	80-120	20	<1	101	101	0.0
BB	BB-SW-03-17-1020	03/17/2003	1020	80-120	20	<1	100	96	4.1
BC	BC-SW-04-28-1100	04/28/2003	1100	80-120	20	<1	91	90	1.1
BC	BC-SW-05-30-0844	05/30/2003	0844	80-120	20	<1	107	97	9.8
BC	BC-SW-06-20-0920	06/20/2003	0920	80-120	20	<1	105	99	5.9
CHC1	CHC1-SW-10-20-0701	10/20/2002	0701	80-120	20	<1	93	102	9.2
CHC1	CHC1-SW-10-28-0700	10/28/2002	0700	80-120	20	<1	92	106	14.1
CHC1	CHC1-SW-05-05-0102	05/05/2003	0102	80-120	20	<1	93	90	3.3
CHC1	CHC1-SW-05-06-1302	05/06/2003	1302	80-120	20	<1	117	116	0.9
CHC1	CHC1-SW-05-09-0902	05/09/2003	0902	80-120	20	<1	107	97	9.8
CHC1	CHC1-SW-05-12-1702	05/12/2003	1702	80-120	20	<1	96	95	1.0
CHC1	CHC1-SW-05-13-0902	05/13/2003	0902	80-120	20	<1	98	96	2.1
CHC1	CHC1-SW-05-15-1302	05/15/2003	1302	80-120	20	<1	101	95	6.1
CHC1	CHC1-SW-07-03-0659	07/03/2003	0659	80-120	20	<1	108	102	5.7
CHC1	CHC1-SW-08-14-0659	08/14/2003	0659	80-120	20	<1	102	101	1.0
CHC1	CHC1-SW-09-12-0145	09/12/2003	0145	80-120	20	<1	106	103	2.9
CHC1	CHC1-SW-09-14-0545	09/14/2003	0545	80-120	20	<1	113	108	4.5
CHC1	CHC1-SW-09-16-2145	09/16/2003	2145	80-120	20	<1	108	99	8.7
CHC1	CHC1-SW-09-17-1345	09/17/2003	1345	80-120	20	<1	105	102	2.9
CHC1	CHC1-SW-09-20-0945	09/20/2003	0945	80-120	20	<1	113	100	12.2
CHC1	CHC1-SW-09-23-2145	09/23/2003	2145	80-120	20	<1	103	91	12.4
CHC1	CHC1-SW-09-25-1745	09/25/2003	1745	80-120	20	<1	110	109	0.9
CHC1	CHC1-SW-09-27-2145	09/27/2003	2145	80-120	20	<1	109	102	6.6
CHC1	CHC1-SW-09-30-1745	09/30/2003	1745	80-120	20	<1	109	104	4.7
HC1	HC1-SW-10-19-0659	10/19/2002	0659	80-120	20	<1	96	107	10.8
HC1	HC1-SW-10-24-0656	10/24/2002	0656	80-120	20	<1	91	101	10.4
HC1	HC1-SW-10-29-0700	10/29/2002	0700	80-120	20	**2 J**	96	106	9.9
HC1	HC1-SW-10-30-0700	10/30/2002	0700	80-120	20	**2 J**	95	105	10.0
HC1	HC1-SW-01-16-0700	01/16/2003	0700	80-120	20	**6.5**	105	111	5.6
HC1	HC1-SW-05-06-1025	05/06/2003	1025	80-120	20	**2 J**	100	98	2.0
HC1	HC1-SW-05-06-1025	05/06/2003	1025	80-120	20	**2 J**	105	100	4.9
HC1	HC1-SW-05-12-1025	05/12/2003	1025	80-120	20	**1 J**	97	95	2.1
HC1	HC1-SW-05-14-1025	05/14/2003	1025	80-120	20	**1 J**	96	93	3.2
HC1	HC1-SW-07-03-0700	07/03/2003	0700	80-120	20	<1	105	98	6.9
HC1	HC1-SW-09-11-0825	09/11/2003	0825	80-120	20	<1	98	96	2.1
HC1	HC1-SW-09-15-0441	09/15/2003	0441	80-120	20	<1	109	102	6.6
HC1	HC1-SW-09-15-1641	09/15/2003	1641	80-120	20	<1	102	100	2.0

TABLE 7a

WATER MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/l)	MS Result (%)	MSD Result (%)	RPD (%)
HC1	HC1-SW-09-18-1641	09/18/2003	1641	80-120	20	<1	108	105	2.8
HC1	HC1-SW-09-19-1641	09/19/2003	1641	80-120	20	<1	105	104	1.0
HC1	HC1-SW-09-25-0441	09/25/2003	0441	80-120	20	<1	109	103	5.7
HC2	HC2-SW-11-7-0700	11/07/2002	0700	80-120	20	**2 J**	91	98	7.4
HC2	HC2-SW-12-05-0700	12/05/2002	0700	80-120	20	**2 J**	98	96	2.1
HC2	HC2-SW-05-01-2018	05/01/2003	2018	80-120	20	<1	99	94	5.2
HC2	HC2-SW-05-05-0808	05/05/2003	0808	80-120	20	<1	91	84	8.0
HC2	HC2-SW-05-08-0022	05/08/2003	0022	80-120	20	<1	101	101	0.0
HC2	HC2-SW-05-09-0822	05/09/2003	0822	80-120	20	<1	99	93	6.3
HC2	HC2-SW-05-11-0022	05/11/2003	0022	80-120	20	<1	104	96	8.0
HC2	HC2-SW-07-03-0700	07/03/2003	0700	80-120	20	<1	101	99	2.0
HC2	HC2-SW-09-14-1631	09/14/2003	1631	80-120	20	<1	106	82	25.5
HC2	HC2-SW-09-20-0831	09/20/2003	0831	80-120	20	<1	102	100	2.0
HC2	HC2-SW-09-23-0031	09/23/2003	0031	80-120	20	<1	107	103	3.8
HC2	HC2-SW-09-26-0431	09/26/2003	0431	80-120	20	<1	103	99	4.0
HC2	HC2-SW-09-26-1231	09/26/2003	1231	80-120	20	<1	103	100	3.0
HC2	HC2-SW-09-28-1631	09/28/2003	1631	80-120	20	<1	105	100	4.9
HC2	HC2-SW-09-30-0031	09/30/2003	0031	80-120	20	<1	96	93	3.2
HR	HR-SW-01-29-1330	01/29/2003	1330	80-120	20	<1	95	95	0.0
HR	HR-SW-10-31-1028	10/31/2003	1028	80-120	20	<1	91	87	4.5
LR1	LR1-SW-05-05-0828	05/05/2003	0828	80-120	20	<1	116	116	0.0
LR1	LR1-SW-05-09-0828	05/09/2003	0828	80-120	20	<1	97	96	1.0
LR1	LR1-SW-05-14-1228	05/14/2003	1228	80-120	20	<1	104	98	5.9
LR1	LR1-SW-07-31-0658	07/31/2003	0658	80-120	20	<1	101	100	1.0
LR1	LR1-SW-09-16-1741	09/16/2003	1741	80-120	20	<1	102	103	1.0
LR1	LR1-SW-09-24-0941	09/24/2003	0941	80-120	20	<1	106	99	6.8
LR1	LR1-SW-09-25-0941	09/25/2003	0941	80-120	20	<1	102	98	4.0
LR1	LR1-SW-09-26-1341	09/26/2003	1341	80-120	20	<1	106	104	1.9
LR1	LR1-SW-09-28-2141	09/28/2003	2141	80-120	20	<1	100	101	1.0
MBR1	MBR1-SW-09-16-0002	09/16/2003	0002	80-120	20	<1	99	97	2.0
MBR1	MBR1-SW-09-21-1602	09/21/2003	1602	80-120	20	<1	112	97	14.4
MBR1	SBR4-SW-09-28-1202	09/28/2003	1202	80-120	20	<1	106	103	2.9
OC1	OC1-SW-18-10-0701	10/18/2002	0701	80-120	20	<1	91	97	6.4
OC1	OC1-SW-10-26-0701	10/26/2002	0701	80-120	20	<1	87	96	9.8
OC1	OC1-SW-10-28-0700	10/28/2002	0700	80-120	20	<1	89	97	8.6
OC1	OC1-SW-03-13-0659	03/13/2003	0659	80-120	20	<1	104	112	7.4
OC1	OC1-SW-04-10-1020	04/10/2003	1020	80-120	20	<1	97	95	2.1
OC1	OC1-SW-05-04-0758	05/04/2003	0758	80-120	20	<1	99	98	1.0
OC1	OC1-SW-05-08-0358	05/08/2003	0358	80-120	20	<1	107	104	2.8
OC1	OC1-SW-05-09-0758	05/09/2003	0758	80-120	20	<1	107	97	9.8
OC1	OC1-SW-05-13-0758	05/13/2003	0758	80-120	20	<1	102	98	4.0
OC1	OC1-SW-06-19-0700	06/19/2003	0700	80-120	20	<1	104	99	4.9
OC1	OC1-SW-09-11-2124	09/11/2003	2124	80-120	20	<1	101	96	5.1

TABLE 7a

WATER MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 5)

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/l)	MS Result (%)	MSD Result (%)	RPD (%)
OC1	OC1-SW-09-12-2124	09/12/2003	2124	80-120	20	<1	106	103	2.9
RW	RW-SW-11-26-1050	11/26/2002	1050	80-120	20	<1	101	98	3.0
RW	RW-SW-09-04-1325	09/04/2003	1325	80-120	20	<1	105	99	5.9
SBR1	SBR1-SW-05-03-1056	05/03/2003	1056	80-120	20	**2 J**	100	102	2.0
SBR1	SBR1-SW-05-08-0656	05/08/2003	0656	80-120	20	<1	114	111	2.7
SBR1	SBR1-SW-05-09-1056	05/09/2003	1056	80-120	20	<1	105	99	5.9
SBR1	SBR1-SW-05-14-0656	05/14/2003	0656	80-120	20	**3 J**	92	91	1.1
SBR1	SBR1-SW-05-22-1150	05/22/2003	1150	80-120	20	**2 J**	105	119	12.5
SBR1	SBR1-SW-09-21-0701	09/21/2003	0701	80-120	20	<1	113	109	3.6
SBR1	SBR1-SW-09-23-1101	09/23/2003	1101	80-120	20	**1 J**	98	94	4.2
SBR1	SBR1-SW-09-25-0701	09/25/2003	0701	80-120	20	**1 J**	106	107	0.9
SBR1	SBR1-SW-09-27-0701	09/27/2003	0701	80-120	20	<1	110	108	1.8
SBR1	SBR1-SW-09-30-1101	09/30/2003	1101	80-120	20	<1	107	107	0.0
SBR2	SBR2-SW-05-04-1517	05/04/2003	1517	80-120	20	<1	99	98	1.0
SBR2	SBR2-SW-05-05-1400	05/05/2003	1400	80-120	20	<1	106	106	0.0
SBR2	SBR2-SW-05-09-1000	05/09/2003	1000	80-120	20	<1	125	123	1.6
SBR2	SBR2-SW-05-14-1400	05/14/2003	1400	80-120	20	<1	99	95	4.1
SBR2	SBR2-SW-09-14-0943	09/14/2003	0943	80-120	20	<1	111	107	3.7
SBR2	SBR2-SW-09-19-2143	09/17/2003	2143	80-120	20	<1	98	88	10.8
SBR2	SBR2-SW-09-20-2143	09/20/2003	2143	80-120	20	<1	109	104	4.7
SBR2	SBR2-SW-09-23-2143	09/23/2003	2143	80-120	20	<1	107	100	6.8
SBR2	SBR2-SW-09-28-1343	09/28/2003	1343	80-120	20	<1	96	95	1.0
SBR3	SBR3-SW-12-19-0700	12/19/2002	0700	80-120	20	**2 J**	99	98	1.0
SBR3	SBR3-SW-02-27-0700	02/27/2003	0700	80-120	20	**2 J**	95	94	1.1
SBR3	SBR3-SW-05-02-1552	05/02/2003	1552	80-120	20	<1	97	93	4.2
SBR3	SBR3-SW-05-07-0352	05/07/2003	0352	80-120	20	<1	110	109	0.9
SBR3	SBR3-SW-05-07-0752	05/07/2003	0752	80-120	20	<1	118	114	3.4
SBR3	SBR3-SW-09-18-0940	09/18/2003	0940	80-120	20	<1	106	103	2.9
SBR3	SBR3-SW-09-19-0940	09/19/2003	0940	80-120	20	<1	107	92	15.1
SBR3	SBR3-SW-09-21-1740	09/21/2003	1740	80-120	20	<1	104	102	1.9
SBR3	SBR3-SW-09-22-1340	09/22/2003	1340	80-120	20	<1	98	92	6.3
SBR3	SBR3-SW-09-25-1740	09/25/2003	1740	80-120	20	<1	101	99	2.0
SBR4	SBR4-SW-05-03-1538	05/03/2003	1538	80-120	20	<1	104	97	7.0
SBR4	SBR4-SW-05-04-2338	05/04/2003	2338	80-120	20	<1	100	97	3.0
SBR4	SBR4-SW-05-05-0338	05/05/2003	0338	80-120	20	<1	106	103	2.9
SBR4	SBR4-SW-05-06-1138	05/06/2003	1138	80-120	20	<1	109	107	1.9
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	80-120	20	<1	102	95	7.1
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	80-120	20	<1	101	97	4.0
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	80-120	20	<1	101	95	6.1
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	80-120	20	<1	102	97	5.0
SBR4	SBR4-SW-05-15-1138	05/15/2003	1138	80-120	20	<1	110	106	3.7
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	80-120	20	<1	99	97	2.0
SBR4	SBR4-SW-08-28-0700	08/28/2003	1300	80-120	20	<1	106	101	4.8

TABLE 7a

WATER MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 5)

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/l)	MS Result (%)	MSD Result (%)	RPD (%)
SBR4	SBR4-SW-09-13-0140	09/13/2003	0140	80-120	20	<1	107	102	4.8
SBR4	SBR4-SW-09-15-0940	09/15/2003	0940	80-120	20	<1	101	98	3.0
SBR4	SBR4-SW-09-19-2140	09/19/2003	2140	80-120	20	<1	104	101	2.9
SBR4	SBR4-SW-09-21-0140	09/21/2003	0140	80-120	20	<1	109	96	12.7
SBR4	SBR4-SW-09-25-0940	09/25/2003	0940	80-120	20	<1	102	99	3.0
SBR4	SBR4-SW-09-26-2140	09/26/2003	2140	80-120	20	<1	104	101	2.9
SBR4	SBR4-SW-09-29-1340	09/29/2003	1340	80-120	20	<1	100	97	3.0
SBR5	SBR5-SW-05-03-1004	05/03/2003	1004	80-120	20	<1	98	101	3.0
SBR5	SBR5-SW-05-03-1804	05/03/2003	1804	80-120	20	<1	103	104	1.0
SBR5	SBR5-SW-05-07-1004	05/07/2003	1004	80-120	20	<1	99	97	2.0
SBR5	SBR5-SW-05-09-1004	05/09/2003	1004	80-120	20	<1	109	85	24.7
SBR5	SBR5-SW-05-13-1004	05/13/2003	1004	80-120	20	<1	98	97	1.0
SBR5	SBR5-SW-05-13-1404	05/13/2003	1404	80-120	20	<1	99	98	1.0
SBR5	SBR5-SW-05-15-0603	05/15/2003	0603	80-120	20	<1	97	95	2.1
SBR5	SBR5-SW-09-23-0810	09/23/2003	0810	80-120	20	<1	102	93	9.2
SBR5	SBR5-SW-09-27-2012	09/27/2003	2012	80-120	20	<1	104	101	2.9
SC1	SC1-SW-10-22-0700	10/22/2002	0700	80-120	20	<1	94	103	9.1
SC1	SC1-SW-10-25-0700	10/25/2002	0700	80-120	20	<1	93	101	8.2
SC1	SC1-SW-10-27-0700	10/27/2002	0700	80-120	20	<1	92	100	8.3
SC1	SC1-SW-11-21-0700	11/21/2002	0700	80-120	20	<1	103	103	0.0
SC1	SC1-SW-01-30-0700	01/30/2003	0700	80-120	20	<1	100	98	2.0
SC1	SC1-SW-04-24-0845	04/24/2003	0845	80-120	20	<1	99	95	4.1
SC1	SC1-SW-05-03-1531	05/03/2003	1531	80-120	20	<1	101	95	6.1
SC1	SC1-SW-05-04-1131	05/04/2003	1131	80-120	20	<1	107	108	0.9
SC1	SC1-SW-05-05-0731	05/05/2003	0731	80-120	20	<1	102	100	2.0
SC1	SC1-SW-05-09-0331	05/09/2003	0331	80-120	20	<1	102	101	1.0
SC1	SC1-SW-05-14-0731	05/14/2003	0731	80-120	20	<1	98	96	2.1
SC1	SC1-SW-05-15-0731	05/15/2003	0731	80-120	20	<1	92	90	2.2
SC1	SC1-SW-06-05-0659	06/05/2003	0659	80-120	20	<1	86	83	3.6
SC1	SC1-SW-07-03-0659	07/03/2003	0659	80-120	20	<1	107	107	0.0
SC1	SC1-SW-07-31-0658	07/31/2003	0658	80-120	20	<1	112	103	8.4
SC3	SC3-SW-10-17-0701	10/17/2002	0701	80-120	20	**6.3**	91	101	10.4
SC3	SC3-SW-05-02-1504	05/02/2003	1504	80-120	20	**7.2 J**	81	109	29.5
SC3	SC3-SW-05-02-2304	05/02/2003	2304	80-120	20	**6.8**	112	111	0.9
SC3	SC3-SW-05-07-1504	05/07/2003	1504	80-120	20	**1 J**	111	103	7.5
SC3	SC3-SW-05-07-2304	05/07/2003	2304	80-120	20	**2 J**	119	100	17.4
SC3	SC3-SW-05-09-1104	05/09/2003	1104	80-120	20	**1 J**	113	101	11.2
SC3	SC3-SW-05-09-1104	05/09/2003	1104	80-120	20	**1 J**	113	88	24.9
SC3	SC3-SW-05-09-1104	05/09/2003	1104	80-120	20	**1 J**	103	101	2.0
SC3	SC3-SW-05-09-1104	05/09/2003	1104	80-120	20	**1 J**	103	88	15.7
SC3	SC3-SW-05-13-1104	05/13/2003	1104	80-120	20	**1 J**	104	99	4.9
SC3	SC3-SW-05-13-2304	05/13/2003	2304	80-120	20	**1 J**	101	99	2.0
SC3	SC3-SW-09-13-1727	09/13/2003	1727	80-120	20	<1	112	106	5.5

TABLE 7a

WATER MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 5 of 5)

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/l)	MS Result (%)	MSD Result (%)	RPD (%)
SC3	SC3-SW-09-16-0927	09/16/2003	0927	80-120	20	<1	111	105	5.6
SC3	SC3-SW-09-18-2127	09/18/2003	2127	80-120	20	<1	109	98	10.6
SC3	SC3-SW-09-20-0127	09/20/2003	0127	80-120	20	<1	98	98	0.0
SC3	SC3-SW-09-26-0527	09/26/2003	0527	80-120	20	<1	108	106	1.9
SC3	SC3-SW-10-01-0927	10/01/2003	0927	80-120	20	<1	105	103	1.9
SC5	SC5-SW-07-17-0700	07/17/2003	0700	80-120	20	**1 J**	98	99	1.0
TP	TP-SW-06-20-0840	06/20/2003	0840	80-120	20	<1	112	101	10.3
TP	TP-SW-07-28-0825	07/28/2003	0825	80-120	20	<1	101	101	0.0
TRM1	TRM1-SW-10-23-0700	10/23/2002	0700	80-120	20	**5.5**	88	97	9.7
TRM1	TRM1-SW-11-14-0700	11/14/2002	0700	80-120	20	**5.6**	93	101	8.2
TRM1	TRM1-SW-01-02-0700	01/02/2003	0700	80-120	20	**111**	92	82	11.5
TRM1	TRM1-SW-02-13-0700	02/13/2003	0700	80-120	20	**4**	94	96	2.1
TRM1	TRM1-SW-03-27-0700	03/27/2003	0700	80-120	20	**52**	102	113	10.2
TRM1	TRM1-SW-05-04-1940	05/04/2003	1940	80-120	20	<1	106	100	5.8
TRM1	TRM1-SW-05-05-2340	05/05/2003	2340	80-120	20	<1	87	86	1.2
TRM1	TRM1-SW-05-06-0740	05/06/2003	0740	80-120	20	<1	117	116	0.9
TRM1	TRM1-SW-05-12-0740	05/12/2003	0740	80-120	20	<1	112	102	9.3
TRM1	TRM1-SW-05-15-1140	05/15/2003	1140	80-120	20	<1	104	102	1.9
WF	WF-SW-06-20-0855	06/20/2003	0855	80-120	20	<1	103	98	5.0
WF	WF-SW-12-15-0824	12/15/2003	0824	80-120	20	<1	105	99	5.9

Non-detect sample data are reported to the method detection limit.

µg/l micrograms per liter.

Bold Bolded result indicates positively identified compound.

Shading Shading indicates that the result is outside acceptance criteria.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

MS Matrix spike sample.

MSD Matrix spike duplicate sample.

RPD Relative percent difference

TABLE 7b

SOIL MATRIX SPIKE / MATRIX SPIKE DUPLICATE SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Recovery Limits	RPD Limits	Parent Result (µg/kg)	MS Result (%)	MSD Result (%)	RPD (%)
SBR3	SBR3-IDW-Composite	11/26/2002	1525	80-120	20	<13	100	103	3.0

Non-detect sample data are reported to the method detection limit.
µg/kg micrograms per kilogram.
MS Matrix spike sample.
MSD Matrix spike duplicate sample.
RPD Relative percent difference

TABLE 8a

WATER LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 5)

Laboratory Identification	Analysis Date	Recovery Limits	LCS Result (%)
WG11485-2	10/18/2002	80-120	96
WG11667-2	11/05/2002	80-120	101
WG11736-2	10/22/2002	80-120	97
WG11785-2	10/23/2002	80-120	103
WG11787-2	10/23/2002	80-120	102
WG11788-2	10/24/2002	80-120	96
WG11789-2	10/25/2002	80-120	92
WG11790-2	10/26/2002	80-120	95
WG11791-2	10/28/2002	80-120	94
WG11794-2	10/31/2002	80-120	98
WG11795-2	11/03/2002	80-120	98
WG11796-2	11/04/2002	80-120	102
WG11797-2	11/11/2002	80-120	99
WG11798-2	11/19/2002	80-120	99
WG11799-2	11/23/2002	80-120	104
WG11801-2	11/29/2002	80-120	99
WG11802-2	11/29/2002	80-120	99
WG11804-2	10/29/2002	80-120	95
WG11805-2	10/30/2002	80-120	95
WG11806-2	12/11/2002	80-120	100
WG11880-2	01/06/2003	80-120	104
WG11880-2	01/06/2003	80-120	103
WG11881-2	12/23/2002	80-120	101
WG11918-2	01/17/2003	80-120	109
WG11981-2	02/03/2003	80-120	98
WG11982-2	02/04/2003	80-120	99
WG12047-2	02/13/2003	80-120	96
WG12100-2	03/04/2003	80-120	104
WG12229-2	03/21/2003	80-120	110
WG12230-2	03/22/2003	80-120	131
WG12230-2	03/22/2003	80-120	103
WG12260-2	04/02/2003	80-120	106
WG12330-2	04/15/2003	80-120	96
WG12427-2	04/29/2003	80-120	100
WG12428-2	04/30/2003	80-120	101
WG12459-2	05/03/2003	80-120	95
WG12484-2	05/07/2003	80-120	95
WG12485-2	05/07/2003	80-120	102
WG12507-2	05/11/2003	80-120	98
WG12508-2	05/11/2003	80-120	99
WG12509-2	05/10/2003	80-120	101
WG12510-2	05/10/2003	80-120	102
WG12521-2	05/12/2003	80-120	92

TABLE 8a

WATER LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 2 of 5)

Laboratory Identification	Analysis Date	Recovery Limits	LCS Result (%)
WG12522-2	05/13/2003	80-120	99
WG12523-2	05/09/2003	80-120	105
WG12524-2	05/08/2003	80-120	106
WG12525-2	05/09/2003	80-120	105
WG12560-2	05/14/2003	80-120	102
WG12561-2	05/15/2003	80-120	104
WG12562-2	05/15/2003	80-120	104
WG12599-2	05/20/2003	80-120	99
WG12600-2	05/20/2003	80-120	99
WG12616-2	05/21/2003	80-120	89
WG12618-2	05/17/2003	80-120	105
WG12619-2	05/17/2003	80-120	114
WG12620-2	05/18/2003	80-120	115
WG12622-2	05/16/2003	80-120	98
WG12623-2	05/16/2003	80-120	101
WG12624-2	05/14/2003	80-120	98
WG12626-2	05/15/2003	80-120	109
WG12627-2	05/15/2003	80-120	116
WG12628-2	05/16/2003	80-120	118
WG12629-2	05/13/2003	80-120	103
WG12635-2	05/19/2003	80-120	106
WG12636-2	05/19/2003	80-120	104
WG12637-2	05/20/2003	80-120	101
WG12641-2	05/21/2003	80-120	98
WG12642-2	05/22/2003	80-120	95
WG12643-2	05/22/2003	80-120	98
WG12646-2	05/22/2003	80-120	98
WG12647-2	05/23/2003	80-120	103
WG12651-2	05/23/2003	80-120	93
WG12652-2	05/23/2003	80-120	102
WG12653-2	05/24/2003	80-120	107
WG12654-2	05/24/2003	80-120	105
WG12656-2	05/25/2003	80-120	101
WG12657-2	05/25/2003	80-120	103
WG12658-2	05/26/2003	80-120	96
WG12664-2	05/26/2003	80-120	101
WG12665-2	05/25/2003	80-120	104
WG12666-2	05/24/2003	80-120	104
WG12677-2	05/27/2003	80-120	96
WG12692-2	05/28/2003	80-120	100
WG12693-2	05/28/2003	80-120	99
WG12694-2	05/28/2003	80-120	104
WG12713-2	05/29/2003	80-120	99

TABLE 8a

WATER LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 3 of 5)

Laboratory Identification	Analysis Date	Recovery Limits	LCS Result (%)
WG12714-2	05/29/2003	80-120	101
WG12715-2	05/30/2003	80-120	110
WG12716-2	05/30/2003	80-120	100
WG12717-2	05/30/2003	80-120	104
WG12719-2	06/01/2003	80-120	102
WG12720-2	06/02/2003	80-120	104
WG12751-2	06/02/2003	80-120	107
WG12755-2	06/03/2003	80-120	102
WG12756-2	06/03/2003	80-120	96
WG12757-2	06/04/2003	80-120	95
WG12782-2	06/06/2003	80-120	96
WG12793-2	06/06/2003	80-120	97
WG12794-2	06/06/2003	80-120	95
WG12795-2	06/07/2003	80-120	97
WG12798-2	06/07/2003	80-120	99
WG12802-2	06/08/2003	80-120	94
WG12803-2	06/08/2003	80-120	94
WG12820-2	06/10/2003	80-120	97
WG12919-2	06/24/2003	80-120	99
WG12920-2	06/25/2003	80-120	101
WG12922-2	06/17/2003	80-120	100
WG12923-2	06/17/2003	80-120	105
WG12962-2	06/27/2003	80-120	98
WG12963-2	06/27/2003	80-120	103
WG12966-2	06/28/2003	80-120	101
WG12968-2	06/28/2003	80-120	97
WG13001-2	07/02/2003	80-120	102
WG13002-2	07/02/2003	80-120	102
WG13054-2	07/11/2003	80-120	96
WG13144-2	07/24/2003	80-120	104
WG13226-2	08/04/2003	80-120	93
WG13251-2	07/16/2003	80-120	101
WG13252-2	07/16/2003	80-120	106
WG13253-2	07/17/2003	80-120	96
WG13254-2	07/17/2003	80-120	104
WG13255-2	08/06/2003	80-120	103
WG13261-2	08/05/2003	80-120	103
WG13384-2	08/22/2003	80-120	95
WG13441-2	09/03/2003	80-120	96
WG13511-2	09/16/2003	80-120	106
WG13521-2	09/16/2003	80-120	106
WG13547-2	09/17/2003	80-120	104
WG13549-2	09/17/2003	80-120	110

TABLE 8a

WATER LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 4 of 5)

Laboratory Identification	Analysis Date	Recovery Limits	LCS Result (%)
WG13569-2	09/19/2003	80-120	109
WG13576-2	09/18/2003	80-120	108
WG13583-2	09/22/2003	80-120	94
WG13585-2	09/22/2003	80-120	96
WG13586-2	09/22/2003	80-120	104
WG13595-2	09/23/2003	80-120	104
WG13596-2	09/23/2003	80-120	109
WG13597-2	09/24/2003	80-120	108
WG13602-2	09/24/2003	80-120	104
WG13603-2	09/24/2003	80-120	96
WG13634-2	09/20/2003	80-120	105
WG13635-2	09/20/2003	80-120	101
WG13636-2	09/21/2003	80-120	98
WG13643-2	09/21/2003	80-120	108
WG13654-2	09/18/2003	80-120	111
WG13816-2	09/24/2003	80-120	105
WG13817-2	09/25/2003	80-120	103
WG13818-2	09/25/2003	80-120	106
WG13819-2	09/30/2003	80-120	100
WG13820-2	09/30/2003	80-120	100
WG13821-2	10/01/2003	80-120	107
WG13822-2	10/01/2003	80-120	96
WG13823-2	10/02/2003	80-120	96
WG13824-2	10/02/2003	80-120	102
WG13828-2	10/02/2003	80-120	106
WG13829-2	10/03/2003	80-120	106
WG13845-2	10/03/2003	80-120	104
WG13846-2	10/03/2003	80-120	111
WG13847-2	10/04/2003	80-120	103
WG13852-2	10/04/2003	80-120	99
WG13853-2	10/04/2003	80-120	97
WG13864-2	10/05/2003	80-120	105
WG13865-2	10/05/2003	80-120	104
WG13866-2	10/06/2003	80-120	102
WG13867-2	10/06/2003	80-120	100
WG13868-2	10/06/2003	80-120	92
WG13883-2	10/07/2003	80-120	104
WG13884-2	10/07/2003	80-120	105
WG13885-2	10/07/2003	80-120	104
WG13886-2	10/08/2003	80-120	105
WG13887-2	10/08/2003	80-120	102
WG13888-2	10/09/2003	80-120	106
WG13889-2	10/09/2003	80-120	114

TABLE 8a

WATER LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 5 of 5)

Laboratory Identification	Analysis Date	Recovery Limits	LCS Result (%)
WG13890-2	10/09/2003	80-120	104
WG13893-2	10/10/2003	80-120	95
WG13894-2	10/10/2003	80-120	96
WG13895-2	10/10/2003	80-120	95
WG13903-2	10/15/2003	80-120	106
WG13904-2	10/15/2003	80-120	102
WG13905-2	10/16/2003	80-120	101
WG13906-2	10/16/2003	80-120	100
WG13918-2	10/17/2003	80-120	113
WG13919-2	10/17/2003	80-120	108
WG13920-2	10/18/2003	80-120	107
WG13921-2	10/18/2003	80-120	101
WG13926-2	10/11/2003	80-120	100
WG13927-2	10/11/2003	80-120	104
WG13937-2	10/12/2003	80-120	95
WG13938-2	10/12/2003	80-120	113
WG13939-2	10/13/2003	80-120	98
WG13940-2	10/13/2003	80-120	99
WG13949-2	10/14/2003	80-120	108
WG13950-2	10/14/2003	80-120	98
WG13958-2	11/07/2003	80-120	100
WG14182-2	12/30/2003	80-120	100
WG14183-2	12/31/2003	80-120	102
WG14199-2	12/31/2003	80-120	105
WG14200-2	12/31/2003	80-120	104

Shading Shading indicates that the result is outside acceptance criteria.
LCS Laboratory control sample

TABLE 8b

SOIL LABORATORY CONTROL SAMPLE DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Laboratory Identification	Analysis Date	LCS Result (%)
WG11801-2	11/29/2002	99

LCS Laboratory control sample

TABLE 9a

LABORATORY DUPLICATE WATER DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 5)

Location Identification	Field Identification	Collection Date	Collection Time	RPD Limit	Parent Result	Duplicate Result	RPD
ADCPT1	ADCPT1-SW-95	09/23/2003	1125	15	<1	<1	NC
ADCPT3	ADCPT3-SW-1428-5	12/17/2003	1428	15	<1	<1	NC
ADCPT9F1	ADCPT9F1-SW-13	09/24/2003	1220	15	<1	<1	NC
ADCPT14	ADCPT14-SW-5	09/24/2003	1415	15	<1	<1	NC
ADCPT15	ADCPT15-SW-5	12/10/2003	1440	15	<1	<1	NC
ADCPT17	ADCPT17-SW-5	09/24/2003	1510	15	<1	<1	NC
ADCPT19	ADCPT19-SW-1009-5	12/18/2003	1009	15	<1	<1	NC
BB	BB-SW-03-17-1020	03/17/2003	1020	15	<1	<1	NC
BC	BC-SW-04-28-1100	04/28/2003	1100	15	<1	<1	NC
BC	BC-SW-05-30-0844	05/30/2003	0844	15	<1	<1	NC
BC	BC-SW-06-20-0920	06/20/2003	0920	15	<1	<1	NC
CHC1	CHC1-SW-05-05-0102	05/05/2003	0102	15	<1	<1	NC
CHC1	CHC1-SW-05-06-1302	05/06/2003	1302	15	<1	<1	NC
CHC1	CHC1-SW-05-09-0902	05/09/2003	0902	15	<1	<1	NC
CHC1	CHC1-SW-05-12-1702	05/12/2003	1702	15	<1	<1	NC
CHC1	CHC1-SW-05-13-0902	05/13/2003	0902	15	<1	<1	NC
CHC1	CHC1-SW-05-15-1302	05/15/2003	1302	15	<1	<1	NC
CHC1	CHC1-SW-07-03-0659	07/03/2003	0659	15	<1	<1	NC
CHC1	CHC1-SW-08-14-0659	08/14/2003	0659	15	<1	<1	NC
CHC1	CHC1-SW-09-12-0145	09/12/2003	0145	15	<1	<1	NC
CHC1	CHC1-SW-09-14-0545	09/14/2003	0545	15	<1	<1	NC
CHC1	CHC1-SW-09-16-2145	09/16/2003	2145	15	<1	<1	NC
CHC1	CHC1-SW-09-17-1345	09/17/2003	1345	15	<1	<1	NC
CHC1	CHC1-SW-09-20-0945	09/20/2003	0945	15	<1	<1	NC
CHC1	CHC1-SW-09-23-2145	09/23/2003	2145	15	<1	<1	NC
CHC1	CHC1-SW-09-25-1745	09/25/2003	1745	15	<1	<1	NC
CHC1	CHC1-SW-09-27-2145	09/27/2003	2145	15	<1	<1	NC
CHC1	CHC1-SW-09-30-1745	09/30/2003	1745	15	<1	<1	NC
CHC1	CHC1-SW-10-20-0701	10/20/2002	0701	15	<1	<1	NC
CHC1	CHC1-SW-10-28-0700	10/28/2002	0700	15	<1	<1	NC
HC1	HC1-SW-01-16-0700	01/16/2003	0700	15	**6.5**	**6.4**	1.6
HC1	HC1-SW-05-06-1025	05/06/2003	1025	15	**2 J**	**2 J**	0.0
HC1	HC1-SW-05-06-1025	05/06/2003	1025	15	**2 J**	**2 J**	0.0
HC1	HC1-SW-05-09-1025	05/09/2003	1025	15	**1 J**	**1 J**	0.0
HC1	HC1-SW-05-12-1025	05/12/2003	1025	15	**1 J**	**1 J**	0.0
HC1	HC1-SW-05-14-1025	05/14/2003	1025	15	**1 J**	**1 J**	0.0
HC1	HC1-SW-07-03-0700	07/03/2003	0700	15	<1	<1	NC
HC1	HC1-SW-09-11-0825	09/11/2003	0825	15	<1	<1	NC
HC1	HC1-SW-09-15-0441	09/15/2003	0441	15	<1	<1	NC
HC1	HC1-SW-09-15-1641	09/15/2003	1641	15	<1	<1	NC
HC1	HC1-SW-09-18-1641	09/18/2003	1641	15	<1	<1	NC
HC1	HC1-SW-09-19-1641	09/19/2003	1641	15	<1	<1	NC
HC1	HC1-SW-09-25-0441	09/25/2003	0441	15	<1	<1	NC
HC1	HC1-SW-10-19-0659	10/19/2002	0659	15	<1	<1	NC

TABLE 9a

LABORATORY DUPLICATE WATER DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	RPD Limit	Parent Result	Duplicate Result	RPD
HC1	HC1-SW-10-24-0656	10/24/2002	0656	15	<1	<1	NC
HC1	HC1-SW-10-29-0700	10/29/2002	0700	15	**2 J**	**2 J**	0.0
HC1	HC1-SW-10-30-0700	10/30/2002	0700	15	**2 J**	**2 J**	0.0
HC2	HC2-SW-05-01-2018	05/01/2003	2018	15	<1	**1 J**	NC
HC2	HC2-SW-05-05-0808	05/05/2003	0808	15	<1	<1	NC
HC2	HC2-SW-05-08-0022	05/08/2003	0022	15	<1	<1	NC
HC2	HC2-SW-05-09-0822	05/09/2003	0822	15	<1	<1	NC
HC2	HC2-SW-05-11-0022	05/11/2003	0022	15	<1	<1	NC
HC2	HC2-SW-07-03-0700	07/03/2003	0700	15	<1	<1	NC
HC2	HC2-SW-09-14-1631	09/14/2003	1631	15	<1	<1	NC
HC2	HC2-SW-09-20-0831	09/20/2003	0831	15	<1	<1	NC
HC2	HC2-SW-09-23-0031	09/23/2003	0031	15	<1	<1	NC
HC2	HC2-SW-09-26-0431	09/26/2003	0431	15	<1	<1	NC
HC2	HC2-SW-09-26-1231	09/26/2003	1231	15	<1	<1	NC
HC2	HC2-SW-09-28-1631	09/28/2003	1631	15	<1	<1	NC
HC2	HC2-SW-09-30-0031	09/30/2003	0031	15	<1	<1	NC
HC2	HC2-SW-11-7-0700	11/07/2002	0700	15	**2 J**	**2 J**	0.0
HC2	HC2-SW-12-05-0700	12/05/2002	0700	15	**2 J**	**2 J**	0.0
HR	HR-SW-01-29-1330	01/29/2003	1330	15	<1	<1	NC
HR	HR-SW-10-31-1028	10/31/2003	1028	15	<1	<1	NC
LR1	LR1-SW-05-05-0828	05/05/2003	0828	15	<1	<1	NC
LR1	LR1-SW-05-09-0828	05/09/2003	0828	15	<1	<1	NC
LR1	LR1-SW-05-14-1228	05/14/2003	1228	15	<1	<1	NC
LR1	LR1-SW-07-31-0658	07/31/2003	0658	15	<1	<1	NC
LR1	LR1-SW-09-16-1741	09/16/2003	1741	15	<1	<1	NC
LR1	LR1-SW-09-24-0941	09/24/2003	0941	15	<1	<1	NC
LR1	LR1-SW-09-25-0941	09/25/2003	0941	15	<1	<1	NC
LR1	LR1-SW-09-26-1341	09/26/2003	1341	15	<1	<1	NC
LR1	LR1-SW-09-28-2141	09/28/2003	2141	15	<1	<1	NC
MBR1	MBR1-SW-09-16-0002	09/16/2003	0002	15	<1	<1	NC
MBR1	MBR1-SW-09-21-1602	09/21/2003	1602	15	<1	<1	NC
MBR1	SBR4-SW-09-28-1202	09/28/2003	1202	15	<1	<1	NC
OC1	OC1-SW-03-13-0659	03/13/2003	0659	15	<1	<1	NC
OC1	OC1-SW-04-10-1020	04/10/2003	1020	15	<1	<1	NC
OC1	OC1-SW-05-04-0758	05/04/2003	0758	15	<1	<1	NC
OC1	OC1-SW-05-08-0358	05/08/2003	0358	15	<1	<1	NC
OC1	OC1-SW-05-09-0758	05/09/2003	0758	15	<1	<1	NC
OC1	OC1-SW-05-13-0758	05/13/2003	0758	15	<1	<1	NC
OC1	OC1-SW-06-19-0700	06/19/2003	0700	15	<1	<1	NC
OC1	OC1-SW-09-11-2124	09/11/2003	2124	15	<1	<1	NC
OC1	OC1-SW-09-12-2124	09/12/2003	2124	15	<1	<1	NC
OC1	OC1-SW-10-26-0701	10/26/2002	0701	15	<1	<1	NC
OC1	OC1-SW-10-28-0700	10/28/2002	0700	15	<1	<1	NC
OC1	OC1-SW-18-10-0701	10/18/2002	0701	15	<1	<1	NC

TABLE 9a

LABORATORY DUPLICATE WATER DATA SUMMARY
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Location Identification	Field Identification	Collection Date	Collection Time	RPD Limit	Parent Result	Duplicate Result	RPD
RW	RW-SW-09-04-1325	09/04/2003	1325	15	<1	<1	NC
RW	RW-SW-11-26-1050	11/26/2002	1050	15	<1	<1	NC
SBR1	SBR1-SW-05-03-1056	05/03/2003	1056	15	**2 J**	**2 J**	0.0
SBR1	SBR1-SW-05-08-0656	05/08/2003	0656	15	<1	<1	NC
SBR1	SBR1-SW-05-09-1056	05/09/2003	1056	15	<1	<1	NC
SBR1	SBR1-SW-05-14-0656	05/14/2003	0656	15	**3 J**	**3 J**	0.0
SBR1	SBR1-SW-05-22-1150	05/22/2003	1150	15	**2 J**	**2 J**	0.0
SBR1	SBR1-SW-09-21-0701	09/21/2003	0701	15	<1	<1	NC
SBR1	SBR1-SW-09-23-1101	09/23/2003	1101	15	**1 J**	**1 J**	0.0
SBR1	SBR1-SW-09-25-0701	09/25/2003	0701	15	**1 J**	**1 J**	0.0
SBR1	SBR1-SW-09-27-0701	09/27/2003	0701	15	<1	<1	NC
SBR1	SBR1-SW-09-30-1101	09/30/2003	1101	15	<1	<1	NC
SBR2	SBR2-SW-05-04-1517	05/04/2003	1517	15	<1	<1	NC
SBR2	SBR2-SW-05-05-1400	05/05/2003	1400	15	<1	<1	NC
SBR2	SBR2-SW-05-09-1000	05/09/2003	1000	15	<1	<1	NC
SBR2	SBR2-SW-05-14-1400	05/14/2003	1400	15	<1	<1	NC
SBR2	SBR2-SW-09-14-0943	09/14/2003	0943	15	<1	<1	NC
SBR2	SBR2-SW-09-19-2143	09/17/2003	2143	15	<1	<1	NC
SBR2	SBR2-SW-09-20-2143	09/20/2003	2143	15	<1	<1	NC
SBR2	SBR2-SW-09-23-2143	09/23/2003	2143	15	<1	<1	NC
SBR2	SBR2-SW-09-28-1343	09/28/2003	1343	15	<1	<1	NC
SBR3	SBR3-SW-02-27-0700	02/27/2003	0700	15	**2 J**	**2 J**	0.0
SBR3	SBR3-SW-05-02-1552	05/02/2003	1552	15	<1	<1	NC
SBR3	SBR3-SW-05-07-0352	05/07/2003	0352	15	<1	<1	NC
SBR3	SBR3-SW-05-07-0752	05/07/2003	0752	15	<1	<1	NC
SBR3	SBR3-SW-09-18-0940	09/18/2003	0940	15	<1	<1	NC
SBR3	SBR3-SW-09-19-0940	09/19/2003	0940	15	<1	<1	NC
SBR3	SBR3-SW-09-21-1740	09/21/2003	1740	15	<1	<1	NC
SBR3	SBR3-SW-09-22-1340	09/22/2003	1340	15	<1	<1	NC
SBR3	SBR3-SW-09-25-1740	09/25/2003	1740	15	<1	<1	NC
SBR3	SBR3-SW-12-19-0700	12/19/2002	0700	15	**2 J**	**2 J**	0.0
SBR4	SBR4-SW-05-03-1538	05/03/2003	1538	15	<1	<1	NC
SBR4	SBR4-SW-05-04-2338	05/04/2003	2338	15	<1	<1	NC
SBR4	SBR4-SW-05-05-0338	05/05/2003	0338	15	<1	<1	NC
SBR4	SBR4-SW-05-06-1138	05/06/2003	1138	15	<1	<1	NC
SBR4	SBR4-SW-05-09-0738	05/09/2003	0738	15	<1	<1	NC
SBR4	SBR4-SW-05-15-1138	05/15/2003	1138	15	<1	<1	NC
SBR4	SBR4-SW-07-03-0700	07/03/2003	0700	15	<1	<1	NC
SBR4	SBR4-SW-08-28-0700	08/28/2003	1300	15	<1	<1	NC
SBR4	SBR4-SW-09-13-0140	09/13/2003	0140	15	<1	<1	NC
SBR4	SBR4-SW-09-15-0940	09/15/2003	0940	15	<1	<1	NC
SBR4	SBR4-SW-09-19-2140	09/19/2003	2140	15	<1	<1	NC
SBR4	SBR4-SW-09-21-0140	09/21/2003	0140	15	<1	<1	NC
SBR4	SBR4-SW-09-25-0940	09/25/2003	0940	15	<1	<1	NC

TABLE 9a

LABORATORY DUPLICATE WATER DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	RPD Limit	Parent Result	Duplicate Result	RPD
SBR4	SBR4-SW-09-26-2140	09/26/2003	2140	15	<1	<1	NC
SBR4	SBR4-SW-09-29-1340	09/29/2003	1340	15	<1	<1	NC
SBR5	SBR5-SW-05-03-1004	05/03/2003	1004	15	<1	<1	NC
SBR5	SBR5-SW-05-03-1804	05/03/2003	1804	15	<1	<1	NC
SBR5	SBR5-SW-05-07-1004	05/07/2003	1004	15	<1	<1	NC
SBR5	SBR5-SW-05-09-1004	05/09/2003	1004	15	<1	<1	NC
SBR5	SBR5-SW-05-13-1004	05/13/2003	1004	15	<1	<1	NC
SBR5	SBR5-SW-05-13-1404	05/13/2003	1404	15	<1	<1	NC
SBR5	SBR5-SW-05-15-0603	05/15/2003	0603	15	<1	<1	NC
SBR5	SBR5-SW-09-23-0810	09/23/2003	0810	15	<1	<1	NC
SBR5	SBR5-SW-09-27-2012	09/27/2003	2012	15	<1	<1	NC
SC1	SC1-SW-01-30-0700	01/30/2003	0700	15	<1	<1	NC
SC1	SC1-SW-04-24-0845	04/24/2003	0845	15	<1	<1	NC
SC1	SC1-SW-05-03-1531	05/03/2003	1531	15	<1	<1	NC
SC1	SC1-SW-05-04-1131	05/04/2003	1131	15	<1	<1	NC
SC1	SC1-SW-05-05-0731	05/05/2003	0731	15	<1	<1	NC
SC1	SC1-SW-05-09-0331	05/09/2003	0331	15	<1	<1	NC
SC1	SC1-SW-05-14-0731	05/14/2003	0731	15	<1	<1	NC
SC1	SC1-SW-05-15-0731	05/15/2003	0731	15	<1	<1	NC
SC1	SC1-SW-06-05-0659	06/05/2003	0659	15	<1	<1	NC
SC1	SC1-SW-07-03-0659	07/03/2003	0659	15	<1	<1	NC
SC1	SC1-SW-07-31-0658	07/31/2003	0658	15	<1	<1	NC
SC1	SC1-SW-10-22-0700	10/22/2002	0700	15	<1	<1	NC
SC1	SC1-SW-10-25-0700	10/25/2002	0700	15	<1	<1	NC
SC1	SC1-SW-10-27-0700	10/27/2002	0700	15	<1	<1	NC
SC1	SC1-SW-11-21-0700	11/21/2002	0700	15	<1	<1	NC
SC3	SC3-SW-05-02-1504	05/02/2003	1504	15	**7.2 J**	**7.8**	8.0
SC3	SC3-SW-05-02-2304	05/02/2003	2304	15	**6.8**	**7.3**	7.1
SC3	SC3-SW-05-07-1504	05/07/2003	1504	15	**1 J**	**2 J**	14.1
SC3	SC3-SW-05-07-2304	05/07/2003	2304	15	**2 J**	**2 J**	0.0
SC3	SC3-SW-05-09-1104	05/09/2003	1104	15	**1 J**	**<1**	NC
SC3	SC3-SW-05-09-1104	05/09/2003	1104	15	**1 J**	**1 J**	0.0
SC3	SC3-SW-05-13-1104	05/13/2003	1104	15	**1 J**	**1 J**	0.0
SC3	SC3-SW-05-13-2304	05/13/2003	2304	15	**1 J**	**1 J**	0.0
SC3	SC3-SW-09-13-1727	09/13/2003	1727	15	<1	<1	NC
SC3	SC3-SW-09-16-0927	09/16/2003	0927	15	<1	<1	NC
SC3	SC3-SW-09-18-2127	09/18/2003	2127	15	<1	<1	NC
SC3	SC3-SW-09-20-0127	09/20/2003	0127	15	<1	<1	NC
SC3	SC3-SW-09-26-0527	09/26/2003	0527	15	<1	<1	NC
SC3	SC3-SW-10-01-0927	10/01/2003	0927	15	<1	<1	NC
SC3	SC3-SW-10-17-0701	10/17/2002	0701	15	**6.3**	**7.1**	11.9
SC5	SC5-SW-07-17-0700	07/17/2003	0700	15	**1 J**	**1 J**	0.0
TP	TP-SW-06-20-0840	06/20/2003	0840	15	<1	<1	NC
TP	TP-SW-07-28-0825	07/28/2003	0825	15	<1	<1	NC

TABLE 9a

LABORATORY DUPLICATE WATER DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
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Location Identification	Field Identification	Collection Date	Collection Time	RPD Limit	Parent Result	Duplicate Result	RPD
TRM1	TRM1-SW-01-02-0700	01/02/2003	0700	15	**111**	**109**	1.8
TRM1	TRM1-SW-02-13-0700	02/13/2003	0700	15	**4**	**4**	0.0
TRM1	TRM1-SW-03-27-0700	03/27/2003	0700	15	**52**	**50**	3.9
TRM1	TRM1-SW-05-04-1940	05/04/2003	1940	15	<1	<1	NC
TRM1	TRM1-SW-05-05-2340	05/05/2003	2340	15	<1	<1	NC
TRM1	TRM1-SW-05-06-0740	05/06/2003	0740	15	<1	<1	NC
TRM1	TRM1-SW-05-12-0740	05/12/2003	0740	15	<1	<1	NC
TRM1	TRM1-SW-05-15-1140	05/15/2003	1140	15	<1	<1	NC
TRM1	TRM1-SW-10-23-0700	10/23/2002	0700	15	**5.5**	**5.9**	7.0
TRM1	TRM1-SW-11-14-0700	11/14/2002	0700	15	**5.6**	**6.2**	10.2
WF	WF-SW-06-20-0855	06/20/2003	0855	15	<1	<1	NC
WF	WF-SW-12-15-0824	12/15/2003	0824	15	<1	<1	NC

Non-detect sample data are reported to the method detection limit.

Bold Bolded result indicates positively identified compound.

NC Not calculated.

J Data are estimated due to associated quality control data; and/or the analyte was positively identified but the reported concentration is estimated - reported concentration is less than the reporting limit, but greater than the method detection limit .

RPD Relative percent difference

TABLE 9b

LABORATORY DUPLICATE SOIL DATA SUMMARY
BOSQUE AND LEON RIVER WATERSHEDS STUDY
(Page 1 of 1)

Location Identification	Field Identification	Collection Date	Collection Time	Parent Result	Duplicate Result	RPD
SBR3	SBR3-IDW-Composite	11/26/2002	1525	<13	<11	NC

Non-detect sample data are reported to the method detection limit.
NC Not calculated.

Appendix X

DETERMINATION OF PERCHLORATE IN WATER USING ION CHROMATOGRAPHY WITH SUPPRESSED CONDUCTIVITY DETECTION

Determination of Perchlorate in Water using Ion Chromatography with Suppressed Conductivity Detection

OBJECTIVE
To analyze perchlorate in reagent water, surface water, ground water, and finished drinking water using ion chromatography with suppressed conductivity detection.

The Groundwater Analysis Laboratory (GAL) has established a reagent water Method Detection Limit (MDL). Based on this MDL study, the GAL will report data at the Minimum Reporting Limit for perchlorate in all water samples at 4 ppb, a value slightly higher than the calculated Minimum Reporting Limit (MRL). This was done to avoid repeated QC failures at the ICCS (Initial Calibration Check Standard).

The GAL will report any perchlorate detected between the Laboratory's established MDL and the Minimum Reporting Limit as "trace present" and will not be report it as a quantitated concentration.

The MDL for a different matrix may differ from the one listed above depending upon the nature of the matrix and the procedure used.

REQUIRED AND RECOMMENDED MATERIALS
Equipment and Supplies

Ion Chromatograph (IC) – Analytical system consisting of plastic eluent reservoir bottles, a suitable liquid pump, injection valve, guard column, analytical separation column, electrical suppressor, conductivity detector, and computer based data acquisition system.

Anion Guard Column – Dionex AG16, 4 mm i.d. (P/N 55377) or equivalent.

Anion Separation Column – Dionex AS16, 4 mm i.d. (P/N 55376) or equivalent.

Anion Suppressor Device – Dionex Anion Self Regenerating Suppressor (4 mm ASRS, ULTRA, P/N 53946), or equivalent.

Detector – Conductivity Cell with temperature control (Dionex CD20 (P/N 44095), conductivity cell with temperature control (P/N 44130) or equivalent)

Chromatography Oven – Thermostat temperature control of chromatography temperature (Dionex LC25).

Data Acquisition System – Dionex PeakNet6 Data Chromatography Software or equivalent.

Conductivity Meter - At a minimum, this meter should be capable of measuring matrix conductance over a range of 1 – 10,000 µS/cm.

Bottles – High density polyethylene (HDPE) or glass, amber or clear, 30 ml, 125ml, and 250 ml.

Particulate Filters – 0.45 micron syringe filters for IC applications (Gelman IC Acrodisc- P/N 4485, or equivalent).

Disposable 5 mL syringes, used during sample preparation.

Analytical balance, accurate to +/- 0.0001g.

Weigh boats, spatulas in various sizes, micro-pipettes in various sizes TD (to deliver), micro-pipette tips in varying sizes, and class A volumetric flasks in varying sizes.

Self adhesive labels for labeling prepared standards and/or dilutions.

Indelible black ink pens.

NOTE* This laboratory will use the Dionex AG16 guard column with the Dionex AS16 separator column based on the recommendation of the EPA Method 314.0, section 6.1.2.1. Column comparison studies are also found in the same method in Table 4, on page 39.

Reagents and Standards

Reagent Water – Distilled, deionized water having a resistance of 18.0 MΩ or better, free from anions of interest. Water should contain particles no larger than 0.45 microns.

Eluent solution – 100 mM sodium hydroxide (made by dissolving 8.0 grams of 50% (W/W) sodium hydroxide in reagent water to a final volume of 1.0 L, Fisher, SS254-500).

Perchlorate stock solution, 100 µg/ml – A stock standard solution purchased as a certified solution from Accustandard (IS-6352-0.5X).

Sources of anions which are used to prepare a solution for the maximum conductivity threshold :

Sodium Chloride from Fisher Scientific, BP358-1

Sodium Sulfate, Fisher, BP354-500

Sodium Carbonate, Fisher, BP357-1

Use each of the above at 25 mg/ml anion concentrations. This solution is used to prepare simulated common anion samples in the determination of the matrix conductivity threshold (MCT).

Conductivity meter calibration solution – Potassium Chloride (KCl), Fisher, BP366-500

Sodium Perchlorate, Aldrich Chemicals, 7601-89-0 (100 g). This solid powder is used to prepare a quality control standard (QCS) as a second source of perchlorate to verify the calibration.

SUMMARY OF METHOD

A 1.0 ml volume of sample is introduced into an ion chromatograph (IC). Perchlorate is separated and measured, using a system comprised of an ion chromatographic pump, sample injection valve, guard column, analytical column, suppressor device, and conductivity detector.

NOTE*

This large sample loop (1.0 ml) can be made using approximately 219 cm (86 inches) of 0.03 inch i.d. PEEK tubing. The exact volume of the sample loop is not critical since all standards and samples will use the same loop. However, the volume should be verified to be within 5% of this volume by weighing the sample loop empty, filling the loop with deionized water, and reweighing the loop. Assuming the density of water to be 1.0 mg/µL can approximate the volume.

PROCEDURES

Initial Calibration Curve

Establish ion chromatographic operating parameters equivalent to those indicated in Table I .

Estimate the Linear Calibration Range (LCR). The LCR should cover the expected concentration range of field samples and should not extend over two orders of magnitude in concentration. The GAL will use five calibration standards in the range of 4.0 µg/L to 200 µg/L.

Prepare blank and working calibration standards by carefully adding accurately measured volumes of the stock standard to a volumetric flask and diluting to volume with reagent water. Record all dilutions and standard preparations in appropriate logs. The lowest calibration standard must be at the laboratory reporting limit. Prepare the calibration concentrations as follows:

Label five, 250-ml volumetric flasks with the different concentrations of the calibration standard i.e. 4.0 ppb, 50 ppb, 100 ppb, 150 ppb, 200 ppb.

Take aliquots of the Perchlorate stock solution at 100 ppm (µg/ml) and add these to the labeled volumetric flasks. Fill each flask to volume with mili-Q water according to Table II.

Pour 15 mL of a calibration standard/sample into a micro beaker. Using a 5 mL Luer lock syringe, draw up approximately 5 mL of standard, attach a 0.45 micron filter to the syringe and filter the standard, directly into the auto-sampler vial. Repeat with new filters and syringes for each sample or standard.

•Place auto-sampler vials in the correct order of ascension (starting with a blank, 4.0 ppb, followed by 50 ppb and ending with 200 ppb) in the auto-sampler tray.

•Place auto-sampler tray in the auto-sampler.

•Prepare a sequence table for the calibration standards specifying the Perchlorate method on the PeakNet6 Software.

Initial Calibration Check Standard (ICCS):

Analyze your lowest calibration standard again and use it as the Initial Calibration Check Standard (ICCS) to verify your initial calibration. Percent recovery of perchlorate must be in the range of 90-110%. If the 10 % recovery criteria is not met, re-evaluate the method/system and recalibrate followed by another ICCS.

Verify the accuracy and the acceptability of the instrument performance by analyzing a Quality Control Sample (QCS), an externally prepared second source at a concentration level that is near the middle of the calibration curve. The standard should fall within the ± 10 % recovery rule above. If the check does not meet acceptance criteria, re-evaluate the method/system and recalibrate followed by verification.

Establish a method detection limit (MDL) by analyzing seven replicates of laboratory fortified reagent water and process through the entire analytical method over a three day period.

Add 100 µL of 100 ppm stock perchlorate standard to a 25 mL volumetric flask and fill to volume to make a solution at the concentration of 400 µg/L (ppb). Take 2.5 mL of the 400 ppb intermediary standard and add it to a 25 mL volumetric flask and fill to volume to get a concentration of 2.5 ppb.

Take seven aliquots of the above dilution to make seven replicates.

Analyze the seven replicates and also record the retention time of each run to check for a reliable retention time for perchlorate.

Calculate the MDL based on the results of the above data by using the formula below:

Calculate the standard deviation (s) of the seven replicate measurements using formula:

$$s = \sqrt{\frac{\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2}{n-1}}$$

Where:

Xi; i = 1 to n, are the analytical results in the final method reporting units obtained from the n sample aliquots (i.e. seven).

X is the mean for the n sample aliquots.

Calculate the MDL using the following formula:

$$MDL = t_{(n-1,\ 1-\alpha = 0.99)}(s)$$

Where:
$t_{(n-1,\ 1-\alpha = 0.99)}$ = the analyst's t value appropriate for a 99% confidence level and a standard deviation estimate with n-1 degrees of freedom.

Verify the MDL by taking an analyte concentration that is 2-3 times the MDL and analyzing it.

NOTE* The MDLs should be verified periodically depending on changing conditions of the instrument. Every new analyst must determine a new MDL and may not use the existing MDL determined by the previous analyst. The suggested concentrations in 4.4.1 may also change according to the changing conditions of the instrument.

Minimum Reporting Limit (MRL):
The Minimum reporting Limit should be set at 3-5 times the calculated MDL. The MRL can be set at the lowest level of the calibration curve or slightly above that. The MRL should never be set below the lowest calibration standard if an accurately quantified result is wanted. Any perchlorate recovered between the MDL and the MRL must be reported as "trace present" and flagged with the letter J as an estimated concentration.

Initial Demonstration of Accuracy (IDA):
Validate the accuracy of the method by analyzing seven replicates of laboratory fortified blanks (LFBs) fortified at 25 ppb of Perchlorate.

Take 25 µL of the 100 ppm stock perchlorate standard and add it a 100 mL volumetric flask. Fill to volume with reagent water to make a 25 ppb concentration.

Calculate their mean measured concentrations of the replicate values as follows:

$$(C_{\bar{x}}) = (C1 + C2 + C3 + \ldots Cn) / n$$

where,

$(C_{\bar{x}})$ = Mean recovered concentration of the replicate analysis.
C1, C2, …Cn = Recovered concentrations of the replicate 1, 2, ….n.
n = 7

To pass the IDA, the value derived for must be within 10 % of the true value or between 22.5 µg/L and 27.5 µg/L.

Initial Demonstration of Precision (IDP):
Using the data above, calculate the percent relative standard deviation (%RSD) of the replicate analysis using the formula below:

$$\% \text{ RSD} = \frac{S_{n-1}}{C_{\bar{x}}} \times 100\%$$

Where,

Sn-1 = sample standard deviation (n-1) of the replicate analyses.

$C_{\bar{x}}$ = mean recovered concentration of the replicate analysis.

The % RSD of the replicate analyses must be less than 10%.

Matrix Conductivity Threshold (MCT)

Determine the MCT by preparing a series of sequentially increasing, common anion fortified, reagent water samples, each containing a constant concentration of Perchlorate. Calibrate the Conductivity Meter before determining the MCT by following the procedure:

Conductivity Meter Calibration:

•Dissolve 0.745 g of Potassium Chloride (KCl) in reagent water and dilute to a final volume of 1.00 L in a volumetric flask (The reference conductance of this solution is 1410 µS/cm).

•Rinse the electrode in reagent water, place it in reagent water, turn on the meter and confirm that the conductance of this blank is < 1 µS/cm.

•Pour 15 mL of KCL solution into a beaker, place the electrode in the solution and measure the conductivity. (It should read between 1380 µS/cm and 1440 µS/cm to be in calibration).

•If the conductivity meter fails the calibration, recalibrate the unit per manufacture's instruction and then repeat the procedure.

Prepare a laboratory fortified reagent blank containing Perchlorate at a concentration of 25 ppb by adding 12.5 µL of the 100 ppm stock solution to a 50 mL volumetric flask and filling to volume with reagent water.

Prepare sequentially increasing ionic solutions each containing Perchlorate at the concentration of 25 ppb as follows:

Dissolve the following salts in reagent water to a final volume of 25.0 mL:

•1.0 g sodium chloride = 0.61 g Cl-

•0.93 g sodium sulfate =0.63 g SO4=

•1.1 g sodium carbonate = 0.62 g CO3=

Prepare the series of common anion fortified reagent water in 50 mL volumetric flasks as in Table III.

Measure and record conductance of each of the prepared solutions on a calibrated conductivity meter (section 4.8.1). Use the 400 mg/L mixed anion sample as a relative reference conductance. The conductance should be between 3200 µS/cm and 3700 µS/cm.

Analyze each solution on the PeakNet Software, recording the peak area to height (A/H) ratio and the quantified concentration of Perchlorate (See Table VII).

Calculate the A/H ratio percent difference (PDA/H) between the average A/H ratio for the LFB (A/HLFB) and the average A/H ratios for each mixed common anion solutions (A/HMA) using the following equation:

$$PD_{A/H} = \frac{|(A/H_{LFB} - A/H_{MA})|}{A/H_{LFB}} \times 100$$

NOTE*As the conductivity of the matrices increases, the PDA/H will increase. MCT is the matrix conductance where the PDA/H exceeds 20%.

Perform a linear regression on these data by plotting PDA/H (as the independent variable, x) verses the matrix conductance (as the dependent variable, y). The regression data must yield an r2 value of > 0.95. Record the constant (intercept value) and the " X – coefficient " (slope) and calculate the MCT as follows:

MCT = (20%) x (X-coefficient) + constant

Confirm the Perchlorate minimum reporting limit (MRL) by analyzing a mixed common anion solution that reflects a conductance near the above-specified MCT. The concentration of the Perchlorate must be at the laboratory determined MRL, while the concentration of the mixed common anion solution must be estimated near the MCT.

NOTE* The resulting conductance must be within ± 10% of the MCT and the measured Perchlorate must be between 80 – 120 % of the MRL concentration.

SAMPLE PREPARATION

During the preparation of all standards, special attention must be given to the expiration date of the stock perchlorate standards whether they are made in the laboratory or bought as certified standards from a manufacturer. Although the perchlorate stock standard may be stable for longer periods of time, stored at room temperature, do not store longer than 12 months. All the standards, stock and/or intermediary or working, must be labeled with an expiration date. Intermediary and working standards must be re-made after one month.

Bring all samples and standards to room temperature prior to analysis (in the temperature range of 24 °C ± 5 °C).

All sample batches must be accompanied by the QCS, IPCS, LRB, ICCS, LFB, LFM, LFMD, CCCS, and ECCS (See below for definitions).

Prepare the above standards as follows:

• QCS - Weigh 0.1231 g of the Sodium Perchlorate powder and add to a 1000 mL volumetric flask and fill to volume with reagent water. This will give you a stock standard at a concentration of 100 ppm (mg/L). Pipette 250 µL of this stock solution into a 250 mL volumetric flask and fill with reagent water to volume to get a concentration of 100 ppb

• IPCS – (See below for added assistance) – Follow:

[1] Prepare a laboratory fortified reagent blank containing Perchlorate at a concentration of 25 ppb by adding 12.5 µL of the 100 ppm stock solution to a 50 mL volumetric flask and filling to volume with reagent water.

[2] Dissolve the following salts in reagent water to a final volume of 25.0 mL:

• 1.0 g sodium chloride = 0.61 g Cl-

• 0.93 g sodium sulfate =0.63 g SO4=

• 1.1 g sodium carbonate = 0.62 g CO3=

[3] Remove 400 µL of the perchlorate in [1] and substitute it with 400 µL of the anion mixture in [2], This will give you a 25 ppb solution of perchlorate at the MCT (See Table III). Discard perchlorate waste in the assigned waste container.

• LRB – The reagent water from the MiliQ System.

• ICCS – Utilize the 4 ppb standard that was made for the generation of the calibration curve.

• LFB – Add 25 µL of 100 ppm stock perchlorate standard into a 100 mL volumetric flask and fill to volume with reagent water to make a concentration of 25 ppb.

• LFM – Add 2.5 mL of 100 ppm stock perchlorate solution to a 250 mL volumetric flask. Fill to volume to give an intermediary standard concentration of 1 ppm. Add 250 µL of the 1 ppm intermediary standard to 5 mL of sample. This will render a matrix spike concentration of 50 ppb.

• LFMD – Repeat the same procedure as in the LFM, using another aliquot of the same sample matrix.

• CCCS – Utilize the mid point standard from the calibration curve.

• ECCS – Utilize the end point standard from the calibration curve.

Determine the conductivity of the field samples by using a calibrated conductivity meter. If the conductance of the sample is above the laboratory MCT, dilute the sample before analysis or follow sponsor specifications regarding dilutions/pretreatments of project samples.

Estimate the dilution factor by dividing the matrix conductance by the MCT. Round up this value to the next whole number and dilute the sample by a proportion equivalent to this value.

Measure the conductance of the diluted sample to confirm it to be below the MCT. Analyze the sample with the understanding that MRL has been elevated by a proportion equal to the dilution factor.

Load and analyze the standards and samples in the sample sequence provided in Table IV, Appendix II. Use this table to analyze one data batch. Additional batches may be added sequentially provided all QC requirements are met for each batch.

The IPC must be analyzed at the beginning of every analytical batch in conformance to section 9.3.2.1 of EPA Method 314.0. Additionally, the IPC must be:

1. measured for conductance and the measured conductance should not exceed more than 10 % of the originally measured value. This value must be recorded in an appropriate log book. If the measured conductance is found to be more than 10 %, a new IPC solution must be prepared.
2. the percent difference between the area/height of the IPC and the area/height of the LFB in the original IDC or the IPC in the previous analytical batch must be calculated using equation in section 4.8.8. The percent difference must not be greater than 25 %. If the percent difference is greater than 25 %, corrective action(s) must be taken according to section 9.3.2.5 of EPA Method 314.0.
3. the recovery of perchlorate must fall between 80 % and 120 %. If recovery is outside this criterion then corrective action must be taken according to section 9.3.2.5 of EPA Method 314.0.
4. the retention time of the IPC must be recorded appropriately and care must be taken that the retention time does not shift more than 5 %. The column must be cleaned or replaced if the retention time shifts to less than 80 % of the originally recorded time (See section 9.3.2.4 of EPA Method 314.0).

QUALITY CONTROL CHECKS/ACCEPTANCE CRITERIA

Sample holding time must not exceeded 28 days.

At least a five point calibration curve must be generated with the MRL set no lower than the lowest calibration standard. The instrument must be re-calibrated as soon as or as often as any of the acceptance criteria given below are not met.

An IPC must accompany every analysis batch. Conductance of IPC solution must be within ± 10% of original conductance value for MCT. The calculated percent difference between the IPC and the LFB in the original IDC /or the IPC in the previous analytical batch must be no greater than 25 %.The quantitated Perchlorate value must be between 80-120% of the fortified level (20 ppb to 30 ppb for a 25ppb fortification). The retention time of the IPC must not shift by more than 5 %.

Initial Calibration Check Standard (ICCS) must verify each calibration. Recovery must be 10% of the true value in order to continue with the analysis.

A Laboratory Fortified Blank (LFB) at 25 ppb must follow the ICCS. Recovery must be 85-115 %. Sample batches that fail the LFB recovery limits must not be reported as valid.

A Continuing Calibration Check Standard (CCCS) and an End Calibration Check Standard (ECCS) at the mid and high level (alternating the two/10 samples) must continually monitor calibration. Recovery must be between 90-110%.

A Laboratory Reagent Blank (LRB), which must be analyzed prior to any sample, must be included in every analysis batch (up to 20 samples). The level of recovered perchlorate must be below the MDL in order to be accepted as a reagent blank. If it is >MDL, the analysis batch will not be considered valid.

A field or Laboratory Fortified Matrix (LFM), fortified matrix must accompany every sample batch. The LFM must be prepared at concentrations equal to or greater than the native sample concentration. The LFM should not be prepared at a concentration greater than 10 times the highest concentration observed in any field sample. If the recovery for Perchlorate is not between 80-120 %, and the recoveries for all other QC performance criteria are met, then the result for that LFM must be labeled as suspect matrix. Analyze also a duplicate of the LFM and calculate the Relative Percent Difference (RPD). RPD must be 15%. If the control criteria are not met for matrix spike results, all samples in the analytical batch must be re-analyzed. If the LFM fails the recovery criteria even after re-analysis, label sample as suspect matrix. If the control criteria are not met for the second matrix spike analysis, the results associated with the best matrix spike analysis shall be qualified "N" and reported.

WASTE DISPOSAL

The Perchlorate waste must be discarded in the containers provided by the Texas Tech Safety Services. The waste will be disposed according to the Texas Tech University Environmental Health and Safety guidelines.

LITERATURE CITED

Test Methods for Evaluating Solid Wastes, SW-846, Third Edition, through update II, September 1994.

"Determination of Perchlorate In Drinking Water by Ion Chromatography." U.S. EPA Method 314.0., Revision 1.0 November 1999, National Exposure Research Laboratory Office of Research and Development, Cincinnati, Ohio.

"Determination of Perchlorate Using Ion Chromatography with Chemical Suppression Conductivity Detection." U.S. EPA Method 9058, Revision 0, November 2000.

TABLES

Table I, Ion Chromatograph Operating Procedures.
Table II, Preparation of Calibration Standards.
Table III, Preparation of Common Anion Mixture with Perchlorate.
Table IV, Sample Analysis Table.
Table V, Determination of Method Detection Limits.
Table VI, Calculation of MDL
Table VII, Determination of Maximum Conductivity Threshold.

DEFINITIONS
MDL – Method Detection Limit
MCT – Matrix Conductivity Threshold
QCS – Quality Control Sample
IPCS – Instrument Performance Check Standard
LRB – Laboratory Reagent Blank
ICCS – Initial Calibration Check Standard
LFB – Laboratory Fortified blank
LFM – Laboratory Fortified Matrix
LFMD – Laboratory Fortified Matrix Duplicate
CCCS – Continuing Calibration Check Standard
ECCS – End Calibration Check Standard

Table I: Ion Chromatograph Operating Parameters

Ion Chromatograph:	Dionex IC25
Guard Column:	IonPac AG16 (4 x 50mm)
Analytical column:	IonPac AS16 (4 x 250)
Eluent:	100 mM NaOH
Eluent Flow:	1.0 mL /minute
Injection Volume:	1000 µL
Typical System Backpressure:	1200 – 2000 psi
Detection:	Suppressed conductivity, external water mode
Background Conductivity:	< 2-5 µS
Determined MCT:	3318 µS
Total method analysis time:	11 – 14 minute

Table II: Preparation of Calibration Standards

Volume of stock Perchlorate standard at 100ppm (microliters) used	Volumetric Flask (mL)	Final concentration (µg/L or ppb)
10	250	4
125	250	50
250	250	100
375	250	150
500	250	200

Table III: Preparation of common anion mixture with Perchlorate

Volume of common anion mixture (mL)	Perchlorate stock, at 100ppm added (µL)	Final concentration in 50 mL volume
0 µL	12.5	25.0 µg/L (ppb)
0.20	12.5	25.0 µg/L (ppb)

0.30	12.5	25.0 µg/L (ppb)
0.40	12.5	25.0 µg/L (ppb)
0.50	12.5	25.0 µg/L (ppb)
0.60	12.5	25.0 µg/L (ppb)
0.80	12.5	25.0 µg/L (ppb)
1.00	12.5	25.0 µg/L (ppb)

Table IV: Sample Analysis Sequence Table

Injection #	Sample Description	Acceptance Criteria
1	(IPCS) Instrument Performance Check Standard at MCT (25 ppb at 3318 µS/cm)	Recovery of 80-120%
2	QCS at calibration midpoint (100ppb)	Recovery of 90-110%
3	(LRB)Laboratory Reagent Blank	< MDL check sample
4	ICCS at the MRL (4.0 ppb)	Recovery of 90-110%
5	(LFB)Laboratory Fortified Blank (25ppb)	Recovery of 85-115%
6	Sample 1	Normal analysis
7	Sample 2	Normal analysis
8	Sample 3	Normal analysis
9	Sample 4	Normal analysis
10	Sample 5	Normal analysis
11	Sample 6	Normal analysis
12	Sample 7	Normal analysis
13	Sample 8	Normal analysis
14	Sample 9	Normal analysis
15	Sample 10	Normal analysis
16	CCCS (100ppb)	Recovery of 90-110
17	Sample 11	Normal analysis
18	Sample 12	Normal analysis
19	Sample 13	Normal analysis
20	Sample 14	Normal analysis
21	Sample 15	Normal analysis
22	Sample 15	Normal analysis
23	Sample 16	Normal analysis
24	Sample 17	Normal analysis
25	Sample 18	Normal analysis
26	Sample 19	Normal analysis
27	Sample 20	Normal analysis
28	Sample 20 - LFM(50ppb)	Recovery of 80-120%
29	Sample 20 - LFMD (50ppb)	RPD ± 15%
30	ECCS (200ppb)	Recovery of 90-110

Table V: Determination of Method Detection Limit And Retention Time Window

Perchlorate	Retention Time (mins)	Perchlorate	SD	MDL
Actual Conc. (µg/L)		Measured Conc. (µg/L)		

2.5	8.96	2.02	0.164	0.5
2.5	8.67	2.09		
2.5	8.95	2.35		
2.5	8.92	2.13		
2.5	8.69	1.95		
2.5	8.69	1.91		
2.5	8.92	2.28		

Average = 8.82

Table VI: Calculation of MDL

Sample Number	Measured Value		
1	2.02	-0.08	0.006
2	2.09	-0.01	0.000
3	2.35	0.25	0.063
4	2.13	0.03	0.001
5	1.95	-0.15	0.023
6	1.91	-0.19	0.036
7	2.28	0.18	0.032
X	2.10		
S	0.164		
MDL	0.5		

Table VII: Determination of Maximum Conductivity Threshold
(Perchlorate fortified at 25 µg/mL)

Sample	Conductivity	RT	Measured	% Rec	A/H ratio	PDA/H %
LFB	<1	8.87	23.4	94	0.185	0.00
MA (200)	1736	8.78	23.1	92	0.208	12.4
MA (300)	2508	8.78	23.8	95	0.214	15.8
MA (400)	3309	8.74	23.2	93	0.218	18.0
MA (500)	4108	8.75	22.6	90	0.231	25.1
MA (600)	4835	8.73	22.3	89	0.239	29.3
MA (800)	6269	8.71	21.6	86	0.251	35.7
MA (1000)	7805	8.68	20.9	84	0.273	47.6

Extraction and Cleanup of Tissue Samples to be Analyzed for Perchlorate Using Ion Chromatography

OBJECTIVE

To describe the procedures for (1) extracting tissue samples and (2) cleaning up extracts of tissue samples to be analyzed for the perchlorate anion. Samples will be extracted using the accelerated solvent extraction (ASE) and analyzed for perchlorate using ion chromatography (IC).

HEALTH AND SAFETY

Proper lab attire including scrubs, lab coat, gloves, and safety glasses should be worn at all times.

PERSONNEL/TRAINING RESPONSIBILITIES

Any TIEHH employee familiar with the equipment and laboratory techniques and trained in this and referenced SOPs may perform this procedure. Users of this method must demonstrate the ability to generate acceptable results, using the procedures described herein.

REQUIRED AND RECOMMENDED MATERIALS

Materials

- stainless steel extraction cell
- Collection vial (60 mL)
- Cellulose filter
- Glass beakers (50 mL)
- Volume adjustable pipetter
- SPE columns
- Analytical balance
- Filters (Gelman IC Acrodisc, P/N 4485, or equivalent)
- Oven
- Scissors
- Graduated cylinder (50 mL)
- SOP AC-4-04-01
- Disposable pipet tips
- SPE vacuum manifold
- Polypropylene funnel

Reagents

- milli-Q water (18 mΩ)

PROCEDURES

Summary of Method

A measured weight of air-dried tissue sample is extracted using water as the solvent and accelerated solvent extraction (ASE). A portion of the extract (typically ≤ 1 mL) is cleaned using solid phase extraction (SPE) to remove interferences in the extract. The choice of SPE varies with the type of extract as certain phases provide better cleanup than others for certain sample types (e.g. As reported in the literature (Ellington and Evans, 2000), alumina works well with plant extracts). Analysis is completed by injecting a dilution of the cleaned extract into an ion chromatograph equipped with a conductivity detector.

Before operating the ASE, users should be familiar with TIEHH SOP AC-4-04-01.

All glassware and materials should be rinsed with milli-Q (18 mΩ) water. Users of this SOP should refer to TIEHH SOP AC-1-01-01.

Solvent Selection and Preparation for ASE.
1. Fill the solvent reservoir on the ASE with milli-Q (18 mΩ) water.
2. Make sure the in-line filter in the solvent reservoir rests on the bottom of the reservoir to prevent air from being drawn through the line.
3. Hand-tighten the lock ring cap on the solvent reservoir.

Sample Preparation
1. Weigh out 1- 5 grams of sample. Record the wet weight of the sample.
2. Allow sample to air dry (overnight), then record dry weight.
3. Thoroughly mince the air-dried sample with scissors.
4. Prepare extraction cells by inserting a cellulose filter into the cell.
5. Load sample into cell body with funnel. Be careful to keep cell body threads clean.
6. Hand-tighten top cap of cell body.

Extraction
1. Place cell or cells in the ASE cell tray with the "Dionex" symbol on top.
2. Place collection vials in the ASE vial tray.
3. Use the following conditions for extraction:

Preheat = 0 min.	Pressure = 1500 psi
Static = 1 min.	Temperature = 100 C°
Flush = 50%	Water = 100%
Purge = 60 sec.	Cycle =1

4. Load the method or schedule created.
5. Measure and record the volume of extract obtained from each extraction.

Sample Cleanup
1. Select the appropriate SPE cartridge for the sample.
   laboratory fish: silica (conditioned with milli-Q water)
   vegetation: alumina (conditioned with milli-Q water)
   tadpoles: silica (conditioned with milli-Q water)
   mammal (liver, kidney, thyroid): silica (conditioned with milli-Q water)
   blood: precipitation with ethanol, Dionex OnGuard-Ba, Ag, and H
   lab crayfish: C18, powdered alumina
   damselflies: silica (conditioned with milli-Q water)
   field fish: alumina (conditioned with milli-Q water)
   birds: alumina (conditioned with milli-Q water)

2. Condition the SPE cartridge as appropriate.
3. Place a labeled collection vial in the appropriate slot within the vacuum manifold for collection.
4. Replace top of manifold, making sure needle is in the collection vial.
5. Pipette 0.5 - 1 mL of sample extract into the SPE column.
6. Slowly turn on vacuum and allow sample to completely elute into the collection vial.
7. Completely elute 4 - 4.5 mL of milli-Q water through the SPE column.
8. Turn off vacuum, remove top of manifold, and remove collection vial.

9. Filter the eluate using an IC filter (0.45 µm).

QUALITY CONTROL CHECKS/ACCEPTANCE CRITERIA

Sample blanks (sand) and matrix spikes should be incorporated into the extraction procedure. The use of perchlorate-spiked extracts is also recommended to evaluate potential loss of perchlorate during cleanup.

LITERATURE

Anderson, T. A., and T. H. Wu. 2002. Extraction, cleanup, and analysis of the perchlorate anion in tissue samples. Bulletin of Environmental Contamination and Toxicology. 68:684-691.

Ellington JJ, Evans JJ (2000) Determination of perchlorate at parts-per-billion levels in plants by ion chromatography. J Chrom A 898:193-199