



Boring ID: B01

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7408 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 11, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 11, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Loose sand fill - fine grained	SM	5YR4/6	
3-8"	Soft silty clay mixed with loose sand - fill	CH	7.5YR3/1	
1 8-16"	Medium stiff silty clay	CH	7.5YR3/1	Native soil
2 16-30"	Medium stiff silty clay	CH	7.5YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B02

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7414 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 11 & 12, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 11 & 12, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-16"	Silty clay mixed with loose sand	SM	7.5YR4/4	Fill
1				
16-18"	Fine loose sand	SC	7.5YR4/6	
18-24"	Medium stiff silty clay	CH	7.5YR3/1	
2				
24-36"	Stiff silty clay with some calcarous nodules	CH	5YR2.5/1	Native soil
3				
36-48"	Stiff silty clay with some calcarous nodules	CH	5YR2.5/1	
4				
5				
6				

All depths are in feet below grade.



Boring ID: B03

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7418 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 11 & 12, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 11 & 12, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Loose fine sand	SC	7.5YR5/6	Fill
1 6-18"	Medium stiff silty clay mixed with loos fine sand	SM	7.5YR 2.5/1	
2 18-24"	Medium stiff silty clay	CH	7.5YR2.5/1	
3 24-36"	Medium stiff silty clay	CH	7.5YR3/1	Native soil
4 36-48"	Medium stiff silty clay - slightly more moist	CH	7.5YR3/1	
5				
6				

All depths are in feet below grade.



Boring ID: B04

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7508 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 11, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 11, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Loose sand fill - fine grained	SC	2.5YR4/6	
1 10-30"	Medium stiff silty clay	CH	5YR2.5/1	Native soil
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B05

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7602 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 12, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 12, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SC	7.5YR3/2	Fill
3-24"	Fine loose sand with soft silty clay	SC	7.5YR3/2	
1				
2				
30-36"	Loose fine sand	SC	7.5YR3/2	
3				
40-48"	Fine loose sand with soft silty clay	SC	7.5YR3/2	
4				
48-60"	Medium stiff silty clay with loose sand	SC	7.5YR4/4	
5				
60-72"	Medium stiff silty clay with calcium carbonate solids	CH	7.5YR4/4 7.5YR5/4	Native soil
6				

All depths are in feet below grade.



Boring ID: B06

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7606 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 13, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 13, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-12" 1	Fine sand mixed with stiff silty clay	SC	7.5YR5/8	Fill
12-34" 2	Stiff dark gray clay mixed with fine sand	SC	7.5YR5/1 7.5YR3/1 7.5YR4.6	
34-60" 3 4 5 6	Stiff very dark gray silty clay	CH	7.5YR3/1	Native soil

All depths are in feet below grade.



Boring ID: B07

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7407 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>November 11, 2002</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>November 11, 2002</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Top soil with soft silty clay	CH	5YR3/1	Fill
3-10"	Soft silty clay mixed with loose fine sand	SC	5YR4/6	
1 10-18"	Soft silty clay	CH	5YR3/1	Native soils
2 18-30"	Medium silty clay	CH	5YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B08

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7411 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>November 11, 2002</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>November 11, 2002</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Fine loose sand	SC	5YR4/6	Fill
1 10-30"	Medium stiff silty clay with some coarse sand	CH	5YR3/2	Native soils
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B09

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7417 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 11, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 11, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-2"	Fine sand mixed with soft silty clay	CH	7.5YR3/2	Fill
2-8"	Loose fine sand	SC	2.5YR5/8	
1 8-16"	Medium stiff silty clay with loose fine sand	SM	7.5YR3/2	
2 16-30"	Medium stiff silty clay	CH	7.5YR3/2	Native soil
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B10

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7607 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-24"	Silty clay loam mixed with fine sand	CH	7.5YR3/1	Fill
1				
2				
24-28"	Granular black silty sand	CL	7.5YR2.5/1	Native soil
28-30"	Very dark black silty clay	CH	7.5YR3/1	
30-60"	Brown silty clay	CH	7.5YR4/2	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B11

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>829 Gillon Dr</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>13-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>13-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Sand	PS	10YR5/6	Fill
1 6-24"	Silty clay mixed with sand	CH	10YR5/3	
2 24-28"	Silty clay mixed with sand	CH	10YR5/2 10YR8/2	
3 28-48"	Mixed clays with rocks	CH	10YR6/2 10YR5/8 10YR2/1	
4 48-60"	Silty clay mixed with fine sand	CH	5Y8/1 5Y8/8 10YR 5/8	Native soil
5				
6				

--	--	--	--	--

All depths are in feet below grade.

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7500 Sun Grace, Arlington Texas</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>November 7, 2002</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>November 7, 2002</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Top soil with soft silty clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR3/1	
1				
12-30"	Stiff silty clay	CH	5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B13

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7502 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 7, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 7, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Top soil with soft silty clay	CH	5YR3/1	
3-30"	Soft silty clay	CH	5YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B14

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7508 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 7, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 7, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Top soil with soft silty clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
12-30"	Soft silty clay similar to above. Slightly moist	CH	5YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B15

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7518 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 7, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 7, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Top soil with soft silty clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
1				
12-30"	Medium stiff silty clay	CH	5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B16

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7522 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 7, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 7, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft top soil mixed with silty clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
1				
12-30"	Similar silty clay as above but slightly more stiff	CH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B17

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7527 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>November 7, 2002</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>November 7, 2002</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft top soil mixed with silty clay	CH	5YR2.5/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
1				
12-30"	Medium stiff silty clay similar to above	CH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B18

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>812 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>November 8, 2002</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>November 8, 2002</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft top soil mixed with silty clay	CH	7.5YR4/2	
3-12"	Soft silty clay	CH	7.5YR4/2	
1				
12-30"	Medium stiff silty clay with very fine (< 5 mm) consolidated pieces.	CH	7.5YR4/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B19

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7419 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft top soil mixed with silty clay	CH	10YR3/1	
3-12"	Stiff silty clay	CH	10YR3/1	
1				
12-30"	Very stiff silty clay	CH	10YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B20

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7503 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-36" 1 2 3	Stiff silty clay with small nodules	CH	10YR4/2	
36-48" 4 5 6	Stiff silty clay with some sand and small crystals	MH	10YR5/2	

--

All depths are in feet below grade.



Boring ID: B21

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7507 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
1				
12-30"	Stiff silty clay	CH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B22

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7519 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	7.5YR3/2	
3-12"	Soft silty clay	CH	7.5YR3/2	
1				
12-30"	Stiff silty clay	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B23

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7531 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	10YR2/1	
3-30"	Soft silty clay	CH	10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B24

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7528 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	5YR2.5/1	
3-30"	Soft silty clay	CH	5YR2.5/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B25

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7542 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>7-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>7-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	5YR2.5/1	
3-12"	Medium stiff silty clay	CH	5YR2.5/1	
1				
12-30"	Stiff silty clay	CH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B26

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>818 September Ct</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay - wet	CH	7.5YR3/2	
3-12"	Medium stiff silty clay	CH	7.5YR3/2	
1				
12-30"	Stiff silty clay	CH	7.5YR3/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B28

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>821 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Soft silty clay - wet	SC	10YR4/6	Fill
6-30"	Mixed clay and sand	GP	10YR3/2 10YR4/6	
1				
2				
30-38"	Soft moist silty clay	CH	10YR3/1	Native soil
3				
38-48"	Firm silty clay	CH	10YR4/2	
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B29

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>Behind Trailer Park Club House</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	SC	5YR2.5/1	Fill
3-12"	Medium stiff clay with very stiff clay nodules	MH	5YR2.5/1	Native soil
1				
12-30"	Medium stiff to stiff clay with very stiff nodules	MH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B30

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>820 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	10YR2.5/1	Fill
3-12"	Soft silty clay	CH	10YR2.5/1	
1				
12-30"	Very stiff silty clay	CH	10YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B31

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>816 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR2.5/1	Fill
3-30"	Soft silty clay	CH	5YR2.5/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B32

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>810 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	10YR2/2	
3-30"	Soft silty clay	CH	10YR3/2	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B33

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>804 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	10YR3/2	
3-30"	medium stiff silty clay	CH	10YR3/2	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B34

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>800 Sun View Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	10YR3/1	
3-30"	Medium stiff silty clay	CH	10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.

SHEET

 1 OF 1



Boring ID: B35

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7539 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-30"	Medium stiff silty clay	CH	5YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: B36

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7541 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	GL1 3/10Y	
3-30"	Medium stiff silty clay	CH	GL1 3/10Y	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B37

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7540 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>7-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>7-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR3/1	
1				
12-30"	Soft silty clay with reddish orange clay redox features	CH	7.5YR4.2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B38

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7542 Sun Grace</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-30"	Soft silty clay	CH	7.5YR3/1	
1				
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B39

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7538 Sun Grace</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>7-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>7-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR3/1	
3-12"	Soft silty clay	CH	7.5YR3/1	
1				
12-30"	Medium stiff silty clay	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B40

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>801 September Court</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>7-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>7-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR2.5/1	
3-30"	Soft silty clay	CH	5YR2.5/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B41

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>800 September Ct</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	2.5YR2.5/1	
3-30"	Medium stiff silty clay	CH	2.5YR2.5/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B42

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7620 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Soft silty clay	CH	2.5YR2.5/1	
4-12"	Soft silty clay with very fine nodules	CH	2.5YR2.5/1	
1				
12-30"	Soft silty clay with fine to medium nodules	CH	2.5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B43

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7624 Twin Parks</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR2.5/1	
3-30"	Soft silty clay	CH	5YR2.5/1	
1				
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B44

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>817 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
1 0-12"	Unconsolidated sand/clay mixture	PS	10YR5/6 10YR7/1	Fill
2 12-24"	Clay/sand mixture	PS	10YR5/6 10YR3/2	
3 24-36"	Firm clay with small rocks		10YR3/2	Native Soil
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B45

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>815 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>11-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>11-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Soft silty clay with fine loose sand	SC	5YR4/6	
1 8-30"	Medium stiff silty clay	CH	7.5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B46

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>810 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>11-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>11-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	soft silty clay with fine loose sand	SC	5YR4/6	
1 8-30"	Medium stiff silty clay	CH	7.5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B47

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>806 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>11-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>11-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	soft silty clay with fine loose sand	SC	5YR4/6	
1 10-30"	Medium stiff silty clay	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B48

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>Common Area west of Club House</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Very soft clay	CH	2.5YR3/1	
3-30"	Stiff to very stiff silty clay	CH	2.5YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B49

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>819 Sun View</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Very soft clay	CH	5YR3/1	
3-12"	Soft silty clay	CH	5YR3/1	
1				
12-24"	Medium stiff silty clay	CH	5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B50

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>811 Sun View</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>6-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>6-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Very soft clay	CH	7.5YR2.5/1	
4-12"	Soft silty clay	CH	7.5YR2.5/1	
1				
12-30"	Medium stiff silty clay	CH	7.5YR3/1	
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B51

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7504 Twin Parks Dr.</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Very soft clay	CH	7.5YR2.5/1	
3-12"	Medium stiff silty clay	CH	7.5YR3/1	
1				
12-30"	Medium stiff silty clay with calcarous nodules	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B52

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>807 Gillon</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>14-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>14-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-5"	Sand/clay mixture	PS	10YR4/6	Fill
5-30"	Firm silty clay mixed with sand and rock	GP	10YR4/2	
30-50"	Firm silty clay with calcium crystals	CH	10YR3/2 10YR4/6	Native soil

All depths are in feet below grade.



Boring ID: B53

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>805 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>11-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>11-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
1	0-2" Loose fine sand	SC	5YR5/6	
	2-12" Soft silty clay with fine loose sand	SC	7.5YR3/1	
2	12-20" Medium stiff silty clay	CH	7.5YR2.5/1	Native soil
	20-30" Stiff silty clay	CH	7.5YR2.5/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B54

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7801 Tanbark Lane</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	soft silty clay with fine grain sand	SC	7.5YR3/2	
3-12"	Medium stiff silty clay with some sand and clay mottling	SC	7.5YR3/2	
1				
12-24"	Stiff silty clay	CH	7.5YR3/1	Native soil
2				
24-48"	Stiff silty clay	CH	5YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B55

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>In front of Trailer Park Office</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Medium stiff silty clay	SC	10R3/1	
3-30"	Medium soft silty clay	SC	10R3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B56

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7432 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>6-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>6-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Sandy clay, very soft	SC	5YR5/6	
1 6-16"	Medium stiff silty clay	CH	5YR2.5/1	
2 16-30"	Soft silty clay	CH	5YR2.5/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B57

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7501 Twin Parks</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>8-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>8-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-12"	Medium stiff silty clay with fine gravel	CH	5YR3/1	
1				
12-30"	Medium stiff silty clay		5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B58

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7507 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR3/2	
3-30"	Soft silty clay	CH	7.5YR3/2	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B59

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7511 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR2.5/1	
3-12"	Soft silty clay	CH	5YR2.5/1	
1				
12-30"	Medium stiff silty clay	CH	5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B60

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7600 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-12" 1	Sand/clay/rock mixture	GP	10YR5/6 10YR3/1 10YR4/2	Fill
12-18" 2	Clay/sand/small rock mixture	GP	10YR5/6 10YR3/1 10YR4/2	
18-36" 3	Firm clay with small pebbles and calcium carbonate crystals	CH	10YR7/6	Native soil
4				
5				
6				

All depths are in feet below grade.



Boring ID: B61

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7601 Twin Parks</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>8-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>8-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR3/1	
3-12"	Soft silty clay	CH	7.5YR3/1	
1				
12-30"	Medium stiff silty clay with clay mottles	CH	7.5YR5/6	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B62

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7604 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand/clay mixture	SP	10YR4/6	Fill
4-30"	Firm silty clay with small pebbles	CH	10YR2/1	Native soil
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B63

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7605 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-12"	Soft silty clay with clay nodules	CH	5YR3/1	
1				
12-30"	Medium stiff silty clay		5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B64

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7611 Twin Parks</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>8-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>8-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	10YR3/2	
3-12"	Soft silty clay with clay nodules	CH	10YR3/2	
1				
12-30"	Medium stiff silty clay		10YR3/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B65

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>803 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Sand/clay mixture	PS	10YR5/6	
1 8-30"	Firm clay with small pebbles	CH	10YR3/1	Native soil
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B66

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7425 Twin Parks</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR2.5/1	
3-12"	Soft silty clay	CH	7.5YR2.5/1	
1				
12-30"	Soft silty clay with coarse sand	CH	7.5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B67

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>815 Evening Drive</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>8-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>8-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR3/1	
3-12"	Medium stiff silty clay	CH	7.5YR3/1	
1				
12-18"	Medium stiff clay mixed with fine sand	SM	7.5YR3/1	
18-30"	Unconsolidated fine sand	SP		
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: B69

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7614 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Sand/firm silty clay/rock	PS	10YR5/6 10YR3/2	
1 8-24"	Firm silty clay/sand/small pebble and rock	CH	10YR3/2 10YR7/1 10YR5/6	
2 24-32"	Firm clay with calcium carbonate crystals	CH	10YR6/8 10YR7/1 10YR3/2	Native Soil
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B70

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7706 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Silty clay with loose fine sand	SC	10YR4/3	
1 10-30"	Medium stiff silty clay with coarse sand nodules	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B71

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>722 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine sand mixed with silty clay	SC	7.5YR4/2	
3-20"	Fine sand mixed with medium stiff silty clay	SC/CH	7.5YR4/2 7.5YR5/6	
1				
20-24"	Medium stiff silty clay	CH	7.5YR4/2	Native soil
24-48"	Soft silty clay	CH	7.5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B72

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>720 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Fine sand mixed with silty clay	SC	7.5YR4/6	
4-12"	Soft silty clay (moist)	CH	7.5YR3/2	
1				
12-30"	Medium stiff silty clay	CH	7.5YR3/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B73

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>700 Block of Allencrest</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	7.5YR3/2	
3-12"	Soft silty clay (moist)	CH	7.5YR3/2	
1				
12-18"	Soft silty clay	CH	7.5YR3/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B74

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>700 Block of Allencrest 50' east of B-73</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>8-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>8-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-12"	Medium stiff silty clay with some clay mottles	CH	5YR3/2	
1				
12-30"	Medium stiff silty clay with some fine and course sand	CH	5YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B75

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>700 Block of Allencrest 50' east of B-74</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>8-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>8-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Soft silty clay	CH	5YR3/1	
3-12"	Medium stiff silty clay with coarse sand	CH	5YR3/1	
1				
12-18"	Medium stiff silty clay with clay mottles	CH	5YR3/2	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B77

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>827 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Sand/clay/rock mixture	PS	10YR57/4	
6-30"	Firm clay with small rock	CH	10YR3/1 10YR3/6	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B78

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>703 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand and gravel mixture	PS	10YR5/6	
4-30"	Firm, fine sand	CH	10YR3/1 10YR3/6	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B79

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>705 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Fine sand and firm clay mixture	PS	10YR5/6 10YR4/2	
6-30"	Firm silty clay	CH	10YR3/1 10YR5/8	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B80

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>801 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Sand/clay/rock mixture	PS	10YR5/6 10YR4/2	
1 8-30"	Firm silty clay with small rock	CH	10YR3/2 10YR5/6	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B81

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7626 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand/gravel/cement mixture	PS	10YR5/6	
4-30"	Firm silty clay with small pebbles	CH	10YR5/6 10YR7/1 10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B82

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>824 Pryor</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Fine loose sand	SC	7.5YR5/8	
4-12"	Dark gray clay mixed with sand and rock	SC	7.5YR5/6	
1				
12-18"	Soft silty clay	CH	7.5YR3/1	Native soil
18-24"	Soft silty clay mixed with sand	CH	7.5YR3/4	
2				
24-30"	Medium stiff silty clay	CH	7.5YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: B83

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7415 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Unconsolidated sand	PS	10YR5/6	
4-30"	Firm silty clay with small pebbles	CH	10YR4/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R01 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7416 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SC	5YR4/6	
3-18"	Soft silty clay with fine loose sand	SC	7.5YR4/2	
18-30"	Soft silty clay with some course sand	CH	7.5YR2.5/1	
30-32"	Fine loose sand	SC	7.5YR4/2	
32-48"	Soft silty clay with clacareous nodules	CH	7.5YR2.5/1	Native soil
48-70"	Soft silty clay with some medium sand	CH	10YR3/3	

All depths are in feet below grade.



Boring ID: R01 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7416 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SM	7.5YR4/6	
3-8"	Soft silty clay with fine loose sand	SM	7.5YR4/6	
1 8-30"	Medium stiff silty clay	CH	7.5YR2.5/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R01 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7416 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SM	7.5YR4/6	
3-8"	Soft silty clay with fine loose sand	SM	7.5YR4/6	
1 8-30"	Medium stiff silty clay	CH	7.5YR2.5/1	
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R02 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7501 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SC	7.5YR3/2	
3-12"	Sand mixed with silty clay	SC	7.5YR3/2	
1				
12-18"	Soft to medium stiff silty clay	CH	7.5YR3/1	
18-36"	Medium stiff silty clay	CH	7.5YR3/1	
2				
36-72"	Medium stiff silty clay	CH	7.5YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R02 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7501 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>12-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>12-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine loose sand	SC	7.5YR3/2	
3-16"	Fine loose sand with soft silty clay	SC	7.5YR3/2	
1				
16-20"	Organic material	OH	7.5YR2.5/1	Rock fill with sticks, brush and trash
20-48"	Medium stiff silty clay	CH	7.5YR3/1	Native soil
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R03 2A

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7605 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>13-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>13-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-40" 1 2 3	Silty clay mixed with coarse sand	SC	7.5YR3/1	
40-60" 4 5	Stiff silty clay	CH	7.5YR4/1	Native soil
60-72" 6	Stiff silty clay with small pebbles	CH	2.5YR4/2	

Area of old waterway.

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R03 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7605 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Sandy silt	SP	7.5YR5/6	
6-30"	Firm silty clay	CH	7.5YR4/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R03 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7605 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-18" 1	Silty clay mixed with fine sand and small pebbles	CH	10YR4/1	
18-30" 2	Firm silty clay	CH	10YR4/1	Native soil
30-50" 3	Firm silty clay	CH	10YR4/2	
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R03 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7605 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand	SP	10YR5/6	
4-24"	Silty clay with sticks and trash	CH	10YR4/1	
1				
2				
24-50"	Firm silty clay	CH	10YR3/1	Native soil
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R04 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7604 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Silty sand	SP	5YR4/6	
6-24"	Firm silty clay	CH	10YR4/2	
24-30"	Firm silty clay	CH	10YR3/1	
30-50"	Medium soft silty sand	PS	10YR4/4	
50-60"	Firm silty clay	CH	10YR4/1	

All depths are in feet below grade.



Boring ID: R04 2A-2

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7604 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Silty sand	SP	10YR5/8	
6-26"	Clay/sand mixture	GP	10YR3/1	
1				
2				
26-30"	Firm silty clay with calcium carbonate crystals	CH	10YR4/2	Native soil
30-48"	Firm silty clay	CH	10YR3/1 10YR7/1 10YR4/6	
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R04 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7604 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Fine sand mixed with silty clay	SP	10YR5/6 10YR4/2	
1	## Firm silty clay	CH	10YR4/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R04 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7604 Marsland</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>13-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>13-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand	SP	10YR5/6	
4-30"	Firm silty clay with small pebbles	CH	10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R04 2D

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7604 Marsland</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>13-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>13-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Sand/clay mixture	SP	2.5YR4/6 10YR4/2	
1 10-18"	Rock/soil conglomeration	GM	10YR2/1	
2 18-30"	Firm silty clay	CH	10YR3/1	
3				
4				
5				
6				

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R05 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7706 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Unconsolidated silty sand	SP	10YR5/8	
6-8"	Firm silty clay/sand/construction trash mixture	GP	10YR5/8	
8-24"	Firm silty clay/sand/rock mixture	GP	10YR5/8 10YR7/1 10YR3/1	
24-60"	Firm silty clay with small pebbles	CH	10YR5/8 10YR7/2 10YR3/2	Native soil

--

All depths are in feet below grade.



Boring ID: R05 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7706 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Unconsolidated silty sand	GP	10YR3/1 2.5YR4/2 2.5YR6/8	
1 2 3 4 5 6	10-30" Firm silty clay with small pebbles	CH	10YR4/2	Native soil

--

All depths are in feet below grade.



Boring ID: R05 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7706 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-2"	Sandy clay	PS	10YR4/6	
2-15"	Clay/stone/and sand conglomerate	GP	10YR4/6 10YR3/1 10YR5/2	
1				
15-30"	Firm silty clay	CH	10YR4/2	Native soil
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R05 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7706 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-2"	Sandy clay	PS	10YR6/8	
2-15"	Clay/stone/and sand conglomerate	GP	10YR3/1	
1				
15-30"	Firm silty clay	CH	10YR4/2	Native soil
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R06 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>819 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Clay/sand/rock mixture	PS	10YR5/6	
1 6-15"	Firm clay and fine sand mixture	GP	10YR3/1 10YR4/2	
2 15-30"	Soft, moist silty clay	CH	10YR4/2 10YR5/6	Native soil
3 30-48"	Firm silty clay	CH	10YR4/2 10YR5/6	
4 48-60"	Firm silty clay with calcium carbonate crystals	CH	10YR4/2	
5				
6				

--

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R06 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>819 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine sand, unconsolidated	PS	10YR4/6	
3-12"	Firm silty clay/sand/construction trash	GH	10YR7/1 10YR3/1	
1				
12-36"	Firm silty clay	CH	10YR4/3	Native soil
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R06 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>819 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Fine sand	PS	10YR4/6	
3-12"	Firm silty clay and sand mixture	GH	10YR3/1 10YR7/1	
1				
12-36"	Firm silty clay	CH	10YR4/2	Native soil
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R06 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>819 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-18" 1	Sand/clay/plant matter mixture	GP	10YR3/1	
18-36" 2	Firm silty clay	CH	10YR4/2	Native soil
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R07 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7702 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-2"	Sand with some firm silty clay	PS	10YR4/2	
2-12"	Sand and firm silty clay mixture	CH	10YR4/2	
1				
12-30"	Medium firm silty clay	CH	10YR3/2	Native soil
2				
30-48"	Medium firm silty clay	CH	10YR2/1	
3				
48-72"	Medium firm silty clay	CH	10YR3/2	
4				
5				
6				

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R07 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7702 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-2"	Sand	PS	10YR5/6	
2-30"	Firm silty clay with small pebbles	CH	10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R07 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7702 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Sand and firm clay mixture	PS	10YR5/6	
3-30"	Firm silty clay with small pebbles	CH	10YR8/1 10YR5/8 10YR6/1 10YR3/1	
1				
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R07 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7702 Mason Dells</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-3"	Sand and firm clay mixture	PS	10YR5/6	
3-10"	Firm silty clay with small rocks	CH	10YR4/2	
1 10-13"	Firm silty clay	CH	10YR4/2 10YR7/5	Native soil
13-30"	Firm silty clay with small rocks	CH	10YR2/2 10YR3/1 10YR3/6	
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R08 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>809 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Firm silty clay/sand mixture	PS	10YR5/6	
6-18"	Firm silty clay/ sand/ rock mixture	GP	10YR3/2 10YR4/6	
18-24"	Firm silty clay/sand mixture	GP	10YR3/2	
24-36"	Firm silty clay	CH	10YR4/2	Native soils
36-50"	Firm silty clay with small pebbles	CH	10YR4/2	

All depths are in feet below grade.



Boring ID: R08 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>809 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-12" 1	Firm silty clay/stone mixture	GP	10YR4/2 10YR3/1 10YR7/1	
12-36" 2	Firm silty clay with pebbles	CH	10YR3/2 10YR3/6	Native soil
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R08 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>809 Gillon</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>15-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>15-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
1 0-20"	Silty clay/rock/sand mixture	GP	10YR4/2	
2 20-32"	Firm silty clay with small pebble	CH	10YR5/6 10YR3/1	Native soil
3 32-50"	Firm silty clay with small pebble	CH	10YR2/1 10YR4/2	
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R09 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7806 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Silty clay/sand mixture	SP	10YR6/6	
1 6-15"	Firm clay/sand/rock mixture	CH	10YR3/1	
15-19"	Sand/clay mixture	SP	10YR6/6	
2 19-29"	Firm silty clay with rock	CH	10YR4/2	Native soil
3 29-65"	Firm silty clay with small rock	CH	10YR4/2 10YR6/6	
4				
5				
6 65-72"	Firm silty clay with calcium carbonate crystals and large rock	CH	10YR6/6 10YR7/1 10YR2/1	

--

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R09 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7806 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-6"	Silty clay/sand/rock mixture	SP	10YR6/6	
6-10"	Firm silty clay/rock/sand mixture	CH	10YR3/1	
10-30"	Firm clay with rock	CH	10YR3/1 10YR4/2	Native soil
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R09 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7806 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Silty clay/sand/rock mixture	SP	10YR4/6	
8-10"	Rock/sand/organic matter mixture	GP	10YR3/1	
10-30"	Firm silty clay with small rock	CH	10YR6/4 10YR4/6	Native soil
1				
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R09 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7806 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Silty clay/sand/rock mixture	SP	10YR4/6	
4-6"	Rock/sand/organic matter mixture	GP	10YR2/1	
6-30"	Firm sand with small rock	CH	10YR3/1	Native soil
1				
2				
3				
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R10 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7708 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Silty clay/sand/rock mixture	SP	10YR5/6	
4-18"	Sand/silty clay mixture with small pebbles	CH	10YR4/1	
18-24"	Firm silty clay with pebbles	CH	10YR4/1	Native soil
48-60"	Firm silty clay with pebbles	CH	10YR5/2	

All depths are in feet below grade.



Boring ID: R10 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7708 Cresswell</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>14-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>14-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Unconsolidated sand	SP	10YR5/8	
4-18"	Firm silty clay fill	CH	10YR3/1	
18-20"	Unconsolidated rock and soil	GP	10YR2/1	
20-26"	Firm clay fill	CH	10YR3/1	
26-28"	Unconsolidated rock, soil, and plant debris	GP	10YR2/1	
28-48"	Firm silty clay	CH	2.5YR3/1	Native soil

--	--	--	--	--

All depths are in feet below grade.

SHEET

1 OF 1



Boring ID: R11 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7804 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Sand/clay/large rock mixture	SP	10YR4/6 10YR2/1 10YR4/2	
1 10-30"	Firm silty clay with small rock	CH	10YR4/2 10YR4/6	
2				
3 30-60"	Firm silty clay with small rock and calcium carbonate crystals	CH	10YR5/6 10YR4/6	
4				
5				
6				

All depths are in feet below grade.



Boring ID: R11 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7804 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-10"	Sand/clay/large rock mixture	SP	10YR4/6	
1 10-30"	Firm silty clay with small rock	CH	10YR3/2 10YR3/6	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R11 2C

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>7804 Calgary</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>18-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>18-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand/clay/large rock mixture	SP	10YR4/2	
4-30"	Firm silty clay	CH	10YR2/1 10YR5/6	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R11 2D

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>7804 Calgary</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>18-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>18-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Sand/clay/rock/organic matter mixture	SP	10YR4/6 10YR4/2	
8-30"	Firm silty clay with small rock	CH	10YR3/1	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R12 2A

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>721 Allencrest</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-12" 1	Sand and silty clay mixture	SP	10YR5/6 10YR4/2	
12-32" 2	Firm silty clay with small rocks	CH	10YR3/2 10YR3/6	Native soil
32-40" 3	Firm silty clay	CH	10YR6/4	
4				
5				
6				

--

All depths are in feet below grade.



Boring ID: R12 2B

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>721 Allencrest</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-8"	Sand/firm silty clay/small stone mixture	SP	10YR4/3	
1 8-30"	Firm silty clay with small stones	CH	10YR3/1	
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R12 2C

BORING LOG

CLIENT	<i>USACE</i>	PROJECT #	<i>4285-021</i>
PROJECT	<i>Five Points OLF</i>	DRILLING CONTRACTOR	<i>MagnaCore</i>
LOCATION	<i>721 Allencrest</i>	DRILLER	<i>Cedric Cascio</i>
START DATE	<i>19-Nov-02</i>	DRILLING METHOD	<i>Direct Push</i>
FINISH DATE	<i>19-Nov-02</i>	HYDROGEOLOGIST	<i>Christopher Kennedy</i>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand/firm silty clay mixture	SP	10YR4/2	
0-30"	Medium firm silty clay	CH	10YR3/2	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.



Boring ID: R12 2D

BORING LOG

CLIENT	<u>USACE</u>	PROJECT #	<u>4285-021</u>
PROJECT	<u>Five Points OLF</u>	DRILLING CONTRACTOR	<u>MagnaCore</u>
LOCATION	<u>721 Allencrest</u>	DRILLER	<u>Cedric Cascio</u>
START DATE	<u>19-Nov-02</u>	DRILLING METHOD	<u>Direct Push</u>
FINISH DATE	<u>19-Nov-02</u>	HYDROGEOLOGIST	<u>Christopher Kennedy</u>

DEPTH	SAMPLE DESCRIPTION	USCS	Munsell	NOTES
0-4"	Sand/firm silty clay mixture	SP	10YR4/2	
0-30"	Medium firm silty clay	CH	10YR3/2	
1				
2				
3				
4				
5				
6				

All depths are in feet below grade.