## **APPENDIX F**

		Olute dater Resources Consult		Consulting, LLC <b>B</b>	ORING I	NUMBER KMW-1 PAGE 1 OF 1
CLIE	NT S	outhern Com		PROJECT NAME Plant Kraft		
1		IUMBER N/			entworth. GA	
			/16			E SIZE 6 inches
			R Cascade Drilling, L.P.			
1		<b>METHOD</b> So				
1			dwin CHECKED BY Michael Patinkin			
1			WITH STREET INTERIOR AUTHAUT	<del>-</del>		t immediately before developino
DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRI	PTION		WELL DIAGRAM  Casing Top Elev:
0	*^*^*	Draw	CAND (CIAI)		×	18.04 (ft) Casing Type: Steel
-	-	Brov	wn SAND (SW)			
L	*****	2.0 2.5 Brov	un alayay CAND (CC)		13.0 12.5	
L			wn clayey SAND (SC) wn sandy CLAY (CL)			
- 	¥////	2.00	m candy of the (of)			Á 🚫
5	<i>\\\\\</i>					Bentonite Grout
L	<i>\\\\\</i>					
L	<i>\\\\\</i>					
L		8.0			7.0	
		Brov	wn red slightly sandy CLAY (CL); wet			211 D) (C) C = 1 40
10						2" PVC Sch. 40
		Ā				Bentonite Chips
	<b>\</b> ////	13.0			2.0	
-	<b>\</b> ////		y sandy CLAY (CL)		1.0	■Bentonite Seal
15			y clayey SAND (SC)		0.0	Sand (GP#1)
1	- (* / · · · · · ·		y slightly clayey SAND (SW)		0.0	Sand (GP#1)
-	<b>∤</b> ःःःः					
ŀ		:				
-	<b>₹</b> ₩₩					
-	-:::::::::::::::::::::::::::::::::::::					
20	****	20.0 Red	brown SAND (SP)		-5.0	0.010" Slot U-Pack
-	+::::		,		ļ.:·	Screen Screen
-	+	]				
}	+	23.0 Gra	y medium SAND (SP); mottled		-8.0	
ŀ	-		,			
25		25.0	recovery		-10.0	
ŀ	4		555751 y			
-	4					
F	4					Sand (GP#1)
F	4					Backfill
30		30.0	Datham of hamily 1	20.0 f1	-15.0	
20			Bottom of borehole at	ou.u ieet.		
5						
<u></u>						

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BORING NUMBER KMW-01D
PAGE 1 OF 4

Environn	nental & W	Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219		
CLIEN	NT G	orgia Power Company	PROJECT NAME Plant Kraft	
1		UMBER N/A		GA
1		TED 07/26/17 COMPLETED 07/27/17		
		ONTRACTOR Cascade Drilling, L.P.		
		ETHOD Sonic		
		Trent Godwin CHECKED BY Michael Patinkin		
		well installed; plugged & abandoned	AFTER DRILLING	
		/1 33	-	
O DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIF	PTION	WELL DIAGRAM
			ſ	
-		Brown silty SAND (SM); dark organic material Brown red sandy CLAY (CL)		
<u> </u>		Brown red sandy CLAY (CL)		
-		4.0		
5		Red gray slightly sandy CLAY (CL)		
		Gray red slightly sandy stiff CLAY (CL); mottled; wet	at 8 ft	
-				
<u> </u>  -				
-				
10				
-				
		12.5		
<u>-</u>		Gray sandy CLAY (CL); wood detritus at 13 ft		
- - -				
15				
<u>-</u>		16.5		
<u> </u>		Gray red yellow fine SAND (SP)		
-				
20				
-				
<u>-</u>				
25				
-		26.5		
		Gray fine SAND (SP)		
}-				
<u>;</u>				
30		30.0 Gray fine SAND (SP) with thin interbedded clay lens		
<u>}</u> -		Gray into Gray (or ) with this litterbedged day letts		
<u>-</u>		32.5		
<u> </u>  -		Gray fine SAND (SP); shell fragments		
<u> </u>  -				

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**BORING NUMBER KMW-01D** 

PAGE 2 OF 4

CLIENT Georgia Power Company

PROJECT NAME Plant Kraft

PPO IECT I OCATION | Port Wentworth GA

PROJ	JECT	MOMBE	R N/A PROJECT LOCATION Port Wentworth,	GA
DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIPTION	WELL DIAGRAM
35				
		36.0	Gray fine SAND (SP); shell fragments (continued)	
<b>†</b> -		00.0	Dark gray silty SAND (SM); dry at 38 ft	
<b>-</b>				
L .		·		
		-		
40		]		
40				
ļ .		:		
L.				
		:		
<u>-</u>		}		
45		45.0		
			Gray green silty very fine SAND (SM)	
<u>.</u>				
<u>-</u>				
<u>.</u>		:		
50		50.0		
3			Gray silty very fine SAND (SM)	
<b>⋠├</b> -				
<u> </u>		:		
3				
3				
ir				
55		55.0	Gray slightly silty very fine SAND (SP-SM); slightly moist at 60 ft	
			Gray slightly sitty very line SAND (GF-SNI), slightly moist at 60 ft	
-		1		
<u> </u>	-	-		
60		:		
3				
5				
} -				
3				
زا 		]		
65		65.0		
-			Gray green clayey SILT (ML)	
<u> </u>	1			
<u>`</u> }-	+			
<u>-</u>				
<u>E</u>	Ш	69.0		
70		70.0	Gray very fine SAND (SP); moist at 69 ft	
1	††††	7 0.0	Gray green slightly clayey sandy SILT (ML) with few thin sand lenses; slightly moist	
<u>-</u>	$\left\{ \mid \mid \mid \right\}$			
-  -	4			
iL				
اً ا				
 	1			

SIMPLE WELL - GINT STD US LAB.GDT - 08/09/17 16:13 - C.\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\KRAFT ASH POND WELL INSTALLATION.GPJ

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**BORING NUMBER KMW-01D** 

PAGE 3 OF 4

Telephone: 678.398.9942 Fax: 888.881.8219 PROJECT NAME Plant Kraft CLIENT Georgia Power Company PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA GRAPHIC LOG DEPTH (ft) MATERIAL DESCRIPTION WELL DIAGRAM 75 Gray green slightly clayey sandy SILT (ML) with few thin sand lenses; slightly moist *(continued)* 80 Gray green slightly clayey silty SAND (SM) 85 90 95.0 Gray green slightly sandy clayey SILT (ML); dry 100 105 105.0 Gray green slightly clayey silty very fine SAND (SM) 110



CLIENT Georgia Power Company

Resolute Environmental & Water Resources Consulting, LLC

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PROJECT NAME Plant Kraft

**BORING NUMBER KMW-01D** 

PAGE 4 OF 4

PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA

MBER N/A PROJECT LOCATION Port Wentworth, G	SA
MATERIAL DESCRIPTION	WELL DIAGRAM
20.0	
32.0  Gray green clayey SILT (ML) with weathered dolomite layers & concretions; fossiliferous	
Gray green slightly sandy SILT (ML) with limestone & concretions; well indurated	
Gray green slightly sandy clayey SILT (ML)	
	Gray green slightly clayey silty very fine SAND (SM) (continued)  Gray green silty very fine SAND (SM)  Gray green silty very fine SAND (SM)  Gray green clayey SILT (ML) with weathered dolomite layers & concretions; fossiliferous  Gray green slightly sandy SILT (ML) with limestone & concretions; well indurated

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**BORING NUMBER KMW-2** 

PAGE 1 OF 1 Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219 PROJECT NAME Plant Kraft **CLIENT** Southern Company Services PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA 
 DATE STARTED 07/12/16
 COMPLETED 07/12/16
 GROUND ELEVATION 11.8 ft MSL
 HOLE SIZE 6 inches
 DRILLING CONTRACTOR Cascade Drilling, L.P. **GROUND WATER LEVELS:** DRILLING METHOD Sonic AT TIME OF DRILLING \_---LOGGED BY Stephen Wilson CHECKED BY Michael Patinkin AT END OF DRILLING ---**NOTES** AFTER DRILLING 7.59 ft / Elev 4.21 ft immediately before developing GRAPHIC LOG MATERIAL DESCRIPTION WELL DIAGRAM Casing Top Elev: 14.82 (ft) Casinɑ̀ Tvpe: Steel TOPSOIL (OL); grass 10.8 Dark gray silty CLAY (CL) Very light gray white fine SAND (SP) SIMPLE WELL - GINT STD US LAB GDT - 08/03/16 00:15 - C:USERSIPUBLIC/DOCUMENTS/BENTLEY/GINT/PROJECTS/KRAFT ASH POND WELL INSTALLATION.GPJ Bentonite Grout 5 ▼ Tan slightly clayey fine SAND (SP-SC) -2" PVC Sch. 40 Dark brown sandy CLAY (CL); moist to wet -Bentonite Chips Gray sandy CLAY (CL); wet Dark brown grayish slightly clayey SAND (SP-SC) Gray sandy clay (CL) ■Bentonite Seal Gray clayey fine SAND (SC) -0.6 Dark brown grayish fine SAND (SP-SC) with few layers of sandy clay -0.9 Gray slightly sandy CLAY (CL) 13 4 -1.6★ Sand (GP#1) Gray fine SAND (SP) Gray sandy CLAY (CL) Gray fine to medium SAND (SW) Gray sandy CLAY (CL) Gray fine SAND (SP) Gray very clayey SAND (SC) Gray fine SAND (SP) Orange gray clayey fine SAND (SC) 0.010" Slot U-Pack Orange gray fine SAND (SP) Screen Dark brown slightly clayey fine SAND (SP-SC) Very light gray white fine SAND (SP) Orange brown very silty SAND (SM) -10.7 Gray clayey fine to medium SAND (SC) Gray medium SAND (SP) Gray clayey fine to medium SAND (SC) 25 Gray fine to medium SAND (SW) Bottom of borehole at 25.0 feet.

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**BORING NUMBER KMW-02D** 

Environ	emental & V	Vater Resou	Woodstock, GA 30188 Telephone: 678.398.9942		PAGE 1 OF 2
CLIE	NT G	eorgia	Fax: 888.881.8219 a Power Company	PROJECT NAME Plant Kraft	
		_		PROJECT LOCATION Port Wentworth	2.64
					HOLE SIZE TO INCHES
			RACTOR Cascade Drilling, L.P.		
			OD Sonic		
			ent Godwin CHECKED BY Michael Patinki		
NOTE	ES no	o well i	installed; plugged & abandoned	AFTER DRILLING	
DEPTH (ft)	GRAPHIC		MATERIAL DESCR	IPTION	WELL DIAGRAM
0		0.5	Brown silty SAND (SM)		
-		1.0	Gray brown yellow clayey SAND (SC)		
ļ .	4		Light brown fine SAND (SP); saturated at 7 ft		
ļ	-				
L .					
5					
L.					
ļ .		9.0			
٠ ۱	,	2	Gray slightly clayey SAND (SW-SC)		
10		10.0	Gray slightly clayey SAND (SW-SC) with thin interb	edded clay lens	
<u> </u>			, , , , , , , , , , , , , , , , , , , ,	•	
ļ .					
ļ	-\`` <i>\</i>				
L .	\`\ <u>\</u>				
15	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	15.0			
L.			Gray fine SAND (SP)		
		17.0			
			Red yellow fine SAND (SP)		
20	7	20.0			
	1	: 20.0	Light brown fine SAND (SP)		
F .	1				
-	-	22.5			
├ .	+	1	Gray fine SAND (SP)	_	
ļ- ·	-				
_ 25		1			
ļ.,	1				
L .		.]			
30	7	1			
30	1				
<u> </u>	1	:			
	-	1			
ļ		33.5			
L .	411	: 55.5	Dark gray green silty very fine SAND (SM); dry		
35		35.0	· · ·		



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Woodstock, GA 30188

**BORING NUMBER KMW-02D** 

PAGE 2 OF 2

Telephone: 678.398.9942 Fax: 888.881.8219 PROJECT NAME Plant Kraft CLIENT Georgia Power Company PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA GRAPHIC LOG DEPTH (ft) MATERIAL DESCRIPTION WELL DIAGRAM Gray green slightly clayey SILT (ML) with very thin (<0.1") interbedded sand lens 40 Gray green slightly silty very fine SAND (SP-SM) SIMPLE WELL - GINT STD US LAB.GDT - 08/09/17 16:13 - C.;USERSIPUBLIC:DOCUMENTSIBENTLEY/GINT/PROJECTS'KRAFT ASH POND WELL INSTALLATION.GPJ 45 Gray very fine SAND (SP); moist; likely fall-in 50 Gray green slightly very fine sandy slightly clayey SILT (ML); dry Gray green slightly sandy silty CLAY (CL) with thin interbedded sand lens throughout Bottom of borehole at 60.0 feet.

# **BORING NUMBER KMW-03** CLIENT Southern Company Services PROJECT NAME Plant Kraft PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA DATE STARTED 2/6/18 COMPLETED 2/6/18 GROUND ELEVATION HOLE SIZE 6 inches DRILLING CONTRACTOR Cascade Drilling, L.P. GROUND WATER LEVELS: DRILLING METHOD Sonic AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY Trent Godwin AT END OF DRILLING \_---NOTES AFTER DRILLING 12.18 ft immediately before developing MATERIAL DESCRIPTION WELL DIAGRAM Casing Type: PVC Brown to Black Top Soil Brown to Tan PS WG Silty Sand (SP) Gray to Brown PG WS Fine Sand (SW) Brown to Gray Clayey Sand (SC) Brown to Tan Sandy Clay (ML) Bentonite Grout Modeled Clay (CL) 12.0 Light Brown to Red WS PG Fine Sand (SP) 2" PVC Sch. 40 ■Bentonite Seal Gray Clay Lens (CL) Tan to Brown PS WG Medium Sand (SW) -Sand 20/30 Tan to Orange WS PG Fine Sand (SP) 0.010" Slot U-Pack Screen Gray to Green WS PG Fine Sand (SP) Gray to Green Clay (CL) Gray to Green Fossiliferrous Silty Sand (SM) 30 Gray to Green Clayey Silt, Hawthorne (ML) - Sand Backfill

SIMPLE WELL - GINT STD US LAB GDT - 5/10/18 12:13 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT ASH POND WELL INSTALLATION. GPJ

_		Resolute	BORING	NUMBER KMW-03 PAGE 2 OF 2
CLIEN	IT So	outhern Company Services	PROJECT NAME Plant Kraft	
PROJ	ECT N	IUMBER N/A	PROJECT LOCATION Port Wentworth,	GA
(ft) (ft)	GRAPHIC LOG	MATERIAL D	ESCRIPTION	WELL DIAGRAM
		Gray to Green Clayey Silt, Hawthorne (ML) (	continued)	

Bottom of borehole at 37.0 feet.

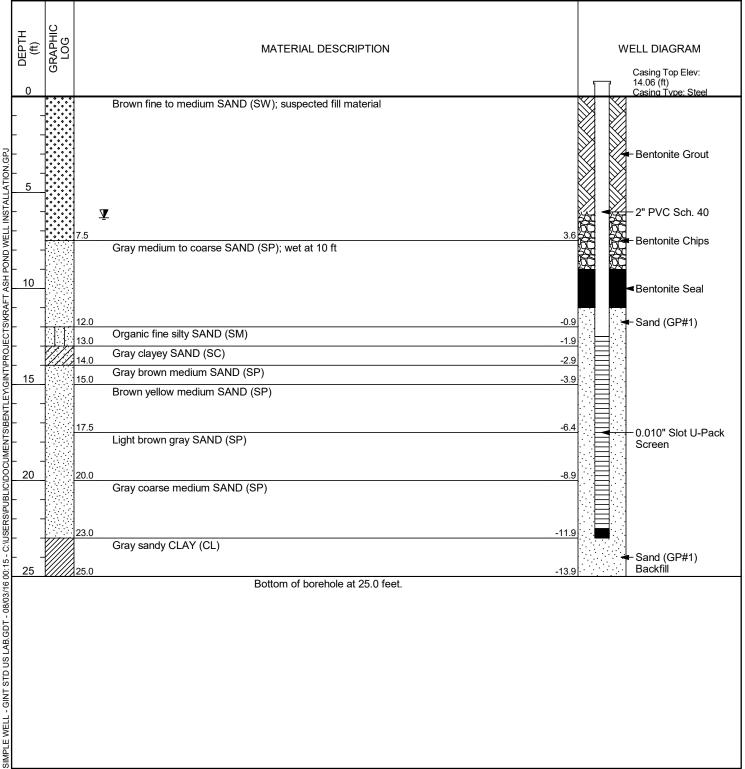
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 12:13 - X.;PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT ASH POND WELL INSTALLATION.GPJ

### **BORING NUMBER KMW-4**

PAGE 1 OF 1

Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219

CLIENT Southern Company Services	PROJECT NAME Plant Kraft			
PROJECT NUMBER N/A	PROJECT LOCATION Port Wentworth, GA			
<b>DATE STARTED</b> 07/08/16 <b>COMPLETED</b> 07/08/16	GROUND ELEVATION 11.1 ft MSL HOLE SIZE 6 inches			
DRILLING CONTRACTOR Cascade Drilling, L.P.	GROUND WATER LEVELS:			
DRILLING METHOD Sonic	AT TIME OF DRILLING			
LOGGED BY Trent Godwin CHECKED BY Michael Patinkin	AT END OF DRILLING			
NOTES	▼ AFTER DRILLING 6.31 ft / Elev 4.79 ft immediately before developing			



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**BORING NUMBER KMW-5** 

PAGE 1 OF 1 Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219 **PROJECT NAME** Plant Kraft **CLIENT** Southern Company Services PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA **DATE STARTED** 07/09/16 **COMPLETED** 07/09/16 **GROUND ELEVATION** 15.52 ft MSL HOLE SIZE 6 inches **DRILLING CONTRACTOR** Cascade Drilling, L.P. **GROUND WATER LEVELS:** DRILLING METHOD Sonic AT TIME OF DRILLING \_---LOGGED BY Trent Godwin CHECKED BY Michael Patinkin AT END OF DRILLING ---**NOTES** AFTER DRILLING 10.86 ft / Elev 4.66 ft immediately before developing MATERIAL DESCRIPTION WELL DIAGRAM Casing Top Elev: 18.69 (ft) Casing Type: Steel Gravel, sand, and asphalt aggregate Brown pale red clayey SAND (SC) Pale brown slightly sandy CLAY (CL) 12.5 SIMPLE WELL - GINT STD US LAB GDT - 08/03/16 00:15 - C:USERSIPUBLIC/DOCUMENTS/BENTLEY/GINT/PROJECTS/KRAFT ASH POND WELL INSTALLATION.GPJ Dark brown fine SAND (SP) -Bentonite Grout Pale brown fine SAND (SP) 10.5 Light brown clayey SAND (SC) 8.5 Gray brown red very clayey SAND (SC) -2" PVC Sch. 40 7.0 Gray brown red sandy CLAY (CL) -Bentonite Chips 10 Light brown fine SAND (SP); wet Bentonite Seal Gray brown red slightly clayey SAND (SP-SC) 3.0 Brown gray medium to coarse SAND (SW) Sand (GP#1) 1.0 Gray fine SAND (SP) Brown red medium SAND (SP) //// 17.8 Gray CLAY (CL) lens interbedded in sand *77777* 18.1 Red brown medium SAND (SP) Gray CLAY (CL) lens interbedded in sand 0.010" Slot U-Pack Brown gray fine SAND (SP) Screen Gray sandy CLAY (CL) lens Red gray SAND (SP) Gray CLAY (CL) lens Red gray slightly clayey fine SAND (SP-SC); mottled 25 -9.5 Bottom of borehole at 25.0 feet.

			OSL ater Resour	Resolute Environmental & Water Resources C 1001 Weatherstone Parkway Suite 410 Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219	onsulting, LLC <b>BORIN</b>	NG N	UMBER KMW-6 PAGE 1 OF 1
	CLIEN	NT So	outhern	Company Services	PROJECT NAME Plant Kraft		
	PROJ	ECT N	IUMBE	R N/A		, GA	
- 1				07/10/16		HOLE	SIZE 6 inches
- 1				ACTOR Cascade Drilling, L.P.			
	DRILL	ING N	ИЕТНО	D Sonic	AT TIME OF DRILLING		
	LOGG	SED B	Y Tre	nt Godwin CHECKED BY Michael Patinkin			
	NOTE	s			▼ AFTER DRILLING 12.47 ft / Elev	4.09 ft in	mmediately before developing
	o DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIF	TION		WELL DIAGRAM  Casing Top Elev: 19.69 (ft) Casing Type; Steel
L INSTALLATION.GPJ	  5		2.0	Gray SAND (SW) with some gravel and gray fine silty  Red gray clayey SAND (SC); suspected fill material  Fine SAND (SM) with gray fine silty material; suspected sight brown fine SAND (SP)		14.6 14.3 13.1	Casing Type: Steel
ECIS/KRAFI ASH PUNU WEL	 10  		10.0	Red gray clayey SAND (SC)  Brown red clayey SAND (SC); wet  Brown gray red sandy fat CLAY (CH)		6.6	Bentonite Grout
IC/DOCOMEN   S/BEN   LEY/GIN   PROJE	15   						2" PVC Sch. 40 Bentonite Chips
3							
	-		21.5	Gray sandy CLAY (CL)		-4.9	■Bentonite Seal
3[	_			5.a, 5ana, 5an (6a)		7 - 1.	<u> </u>
7 2 5 1			24.0			-7.4	Sand (GP#1)
إذ	25			Red yellow fine to medium SAND (SP)			$\exists \exists$
<u>.</u>			1				<b>∃</b> ☆
3			27.0	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		10.4	
8/03/			1	Gray fine SAND (SP)			<b>∄</b> ∷
			}				<b>≒</b> ∷
9 5 5	30		-				0.010" Slot U-Pack Screen
<u></u>			1				
<u></u>			1				
2		,,,,,,	33.0	Owner to OLAY (OLY)		16.4	<b>∄</b> ∷
آ ار			33.2./\ 34.0	Gray sandy CLAY (CL) lens Gray fine to medium SAND (SP)		16.6 17.4	<b>≒</b> :
	35		34.2./\	Gray SAND (SP) with some rounded gravel		17.6 18.4	
				Gray SAND (SP)			
ġ			,	Bottom of borehole at 3	5.0 feet		

		BORI	ING LOG: KMW-6B		
Щ		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
RFAC				PROJECT NO.:	_
SUF		BORING NO.:	KMW-6B	BORING DATE:	1-Feb-2017
-AND	(¥)	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed
BEL B	Reco	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1435
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor
PTH		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTION	ON	COMMENTS
1		0.0 to 1.2 ft -	poorly graded fine to mediur gravel (SM);brown, gray		Sample: KMW-6B-1.6-2.2
2	3.4	1.2 to 1.6 ft - poorly graded fine clayey SAND (SC); brown, red 1.6 to 2.2 ft - ASH FILL (ML); gray, brown			,
3		2.2 to 3.4 ft - poorly graded fine SAND (SP); brown, tan, gray		Moist at 3 ft	
5 			Bottom of borehole	e at 4 feet	

**BORING NUMBER KMW-7** Resolute Environmental & Water Resources Consulting, LLC 1001 Weatherstone Parkway Suite 410 PAGE 1 OF 1 Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219 **CLIENT** Southern Company Services **PROJECT NAME** Plant Kraft PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA **DATE STARTED** <u>07/10/16</u> **COMPLETED** <u>07/10/16</u> **GROUND ELEVATION** 16.05 ft MSL HOLE SIZE 6 inches **DRILLING CONTRACTOR** Cascade Drilling, L.P. **GROUND WATER LEVELS:** DRILLING METHOD Sonic AT TIME OF DRILLING \_---LOGGED BY Stephen Wilson CHECKED BY Michael Patinkin AT END OF DRILLING ---**NOTES** AFTER DRILLING 11.92 ft / Elev 4.13 ft immediately before developing GRAPHIC LOG MATERIAL DESCRIPTION WELL DIAGRAM Casing Top Elev: 19.16 (ft) Casing Type: Steel Sand and GRAVEL (GW); suspected fill material 15.6 Brown fine SAND (SP); suspected fill material Dark gray fine silty material; suspected fill material Brown fine SAND (SP); suspected fill material SIMPLE WELL - GINT STD US LAB GDT - 08/03/16 00:15 - C:USERSIPUBLIC/DOCUMENTS/BENTLEY/GINT/PROJECTS/KRAFT ASH POND WELL INSTALLATION.GPJ Bentonite Grout Dark brown fine silty material; suspected fill material 5 Brown fine SAND (SP); suspected fill material Orange brown and tan sandy CLAY (CL) 2" PVC Sch. 40 Red and gray CLAY (CL); dry; mottled -Bentonite Chips 10 Dark brown and gray fat CLAY (CH); mottled Gray fine sandy CLAY (CL) Bentonite Seal Dark brown and gray fat CLAY (CH); mottled Sand (GP#1) Sandy CLAY (CL) Orange fine SAND (SP); wet Very light tan fine SAND (SP) with some orange tan streaks 18.0 Orange tan fine SAND (SP) 18 2 Orange brown clayey fine SAND (SC) 19.2 Orange brown fine SAND (SP) 0.010" Slot U-Pack Very light tan clayey fine SAND (SC) Screen Orange brown fine SAND (SP) Very light gray fine SAND (SP) Layered orange and orange brown fine SAND (SP) 25 Very clayey fine SAND (SC) Layered orange and orange brown fine SAND (SP) Bottom of borehole at 25.0 feet.

BORING LOG: KMW-7B						
Ä		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA	
₹FAC				PROJECT NO.:	_	
SUF		BORING NO.:	KMW-7B	BORING DATE:	1-Feb-2017	
-AND	Œ	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEL [B	Reco	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1455	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor	
PTH		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin	
DE			LITHOLOGICAL DESCRIPTION	ON	COMMENTS	
1		0.0 to 0.8 ft -	poorly graded fine to medum gravel (SM); brown, gray		Sample: KMW-7B-0-4	
	3.4	0.8 to 1.2 ft - ASH FILL (ML); gray, black 1.2 to 2.4 ft - poorly graded fine SAND (SP); brown, tan, orange				
3		2.4 to 2.7 ft - silty SAND (SM); dark brown 2.7 to 3.4 ft - poorly graded very fine SAND (SP); tan		Moist at 2 ft		
5 			Bottom of borehole	e at 4 feet		

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BORING NUMBER KMW-08
PAGE 1 OF 1

CLIEN	T G	Fax: 888.881.8219 eorgia Power Company		PROJECT NAME Plant Kraft			
				PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworth, GA			
					HOLE SIZE 6 inches		
		CONTRACTOR Cascade Drilling, L					
		IETHOD Sonic					
		Trent Godwin CHECK					
		- TION COUNTY					
DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIP	TION	WELL DIAGRAM		
0		0.5 Gray brown silty SAND (SI	1): graval at 0.5 ft		Casing Type: Steel		
		Light brown fine SAND (SF			2" PVC		
_		· · ·	,				
_					Bentonite Pellets		
5							
_							
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.0	. 01 437 (01 )				
-		Red gray stiff slightly sand	CLAY (CL); mottled		■Bentonite Seal		
_							
10					→ 20/30 Sand		
_							
_		12.0					
		13.0 Gray stiff CLAY (CL)					
		Red yellow slightly clayey		at 13 ft			
15		Gray red sandy CLAY (CL)					
		Red gray slightly clayey fin	e SAND (SW-SC); mottled	I	0.010" Slot U-Pacl		
		Red yellow slightly clayey t	ine SAND (SW-SC)		Screen		
			,				
	· • • • • • • • • • • • • • • • • • • •	18.5 Red yellow medium SAND	(SP)				
20		,	( )				
		21.0					
		Gray stiff CLAY (CL)					
					Sand Backilli		
25		25.0					
-			Bottom of borehole at 2	5.0 feet.			

BORING NUMBER KMW-09

DPO I			PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworth, GA			
DATE DRILI	STAI	RTED 07/30/17 COMPLETED 07/30/17 CONTRACTOR Cascade Drilling, L.P. METHOD Sonic	GROUND ELEVATION GROUND WATER LEVELS:	_ HOLE SIZ	E 6 inches	
LOGO	SED B	RY Trent Godwin CHECKED BY Michael Patinkin	AT END OF DRILLING			
DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIP	PTION		WELL DIAGRAM	
0		0.5 Brown silty SAND (SM)			Casing Type: Steel	
5 5 10		7.0 Gray yellow slightly sandy CLAY (CL) 7.5 Gray CLAY (CL) Light brown fine SAND (SP); wet			Bentonite Grout	
- - -					■ Bentonite Seal	
20 25 30		22.5  Gray medium to coarse SAND (SP)  25.0  Gray green silty very fine SAND (SM)  28.5  Gray green very fine SAND (SP)  30.0			0.010" Slot U-Pac Screen	
30	<u>   1                                  </u>	: 30.0 Bottom of borehole at 3	0.0 feet.	· · · · · ·	•	

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BORING NUMBER KMW-10
PAGE 1 OF 1

Environm	ESUIUL mental & Water Resources Cons	1 elephone. 070.330.3342					TAGE TOT T
CLIEN	NT Coordia Daw	Fax: 888.881.8219	-	DO IECT NAME   Dignt  /re	<b>.</b> f4		
1		ver Company					
		N/A 80/17 <b>COMPLETED</b> 07/3					
	· · · · · · · · · · · · · · · · · · ·					OLE SIZE	b inches
		OR Cascade Drilling, L.P.					
	LING METHOD _		ala a di Datia kia				
		odwin CHECKED BY Mic					
NOTE	:5		-	AFTER DRILLING	•	1	
	GRAPHIC LOG	MATER	RIAL DESCRIPTION	ON		, , ,	WELL DIAGRAM
0	0.5 Br	own silty SAND (SM)			Γ.		Casing Type: Steel
-	1.0 Lig	ght brown fine SAND (SP)					2" PVC
-		ellow red sandy CLAY (CL) ellow red slightly clayey SAND (SP-Se	C)				
		ellow light brown fine SAND (SP)	<u> </u>				
		. ,					
5	5.0 Lig	ght brown clayey SAND (SC); wet at	6 ft				
-	1/////0.0	ght brown slightly clayey fine SAND (					
10	10.0	, , , , , , , , , , , , , , , , , , , ,	,				Bentonite Grout
	13.0	ght brown fine to medium SAND (SP)	,				
		ed yellow fine to medium SAND (SP)					
15	14.5 15.0 Re	ed gray slightly sandy CLAY (CL)					
[  - 	Lig	ght brown fine SAND (SP)					■Bentonite Seal
<u>-</u>	16.5 Lig	ght brown red fine SAND (SP)					5 Bernerine Godi
<u> </u>							
-	19.0	- La	CAND (OD OO)				20/30 Sand
20	///20.0	ght brown red gray slightly clayey fine	e SAND (SP-SC)				
- -	Gr	ray fine SAND (SP)					
	22.0	ery light brown fine SAND (SP)					
	Ve	ify light brown line SAND (SF)					
-  -  -							
25							0.010" Slot U-Pack
<u> </u>	26.0	ray green silty very fine SAND (SM)					Screen
		ay green siity very line OAND (OW)					
30	30.0	Rottomo	of borehole at 30.0	N feet			<u>; </u>
		DOLLOTTI O	יי אטופווטופ מנ 30.0	∪ 10 <del>0</del> 1.			
.							

BORING NUMBER KMW-11

Environm	nental & W	Olute ater Resources Consultin	Woodstoc Telephone	k, GA 30188 : 678.398.994	way Suite 410 2				PAGE 1 OF 1
CLIEN	JT G	eorgia Power	Fax: 888.			PROJECT NAME Plant Kraft			
						PROJECT LOCATION Port We			
						GROUND ELEVATION			
	DRILLING CONTRACTOR Cascade Drilling, L.P.								
		METHOD Son		<b>J</b> /		AT TIME OF DRILLING			
LOGGED BY _Trent Godwin CHECKED BY _Michael Patinkin									
DEPTH (ft)	GRAPHIC LOG			N	MATERIAL DESCRIF	PTION		\	WELL DIAGRAM
0	2. kr.16. c	0.5 D	!!t OAND	(014)			V/		Casing Type: Steel
		,	n silty SAND w light brown		P); saturated at 4.5 t	<u> </u>	<b></b> -		2" PVC
		11.0 Red <u>1</u> 12.5 Gray	yellow fine to	medium SANI					Bentonite Grout
							ζy		2 Pontonito Cool
_		:							■Bentonite Seal
20									20/30 Sand
		21.5 Grav	fine SAND (	SP)					
		. Gray	IIIC OAND (	J. )				<b>=</b> ::	:
		:							1
 25	77777	24.5 24.7.∕\ Grav	CLAV (CL)				<del></del>	<b>∃</b> ∷	0.040" 01 111 7
		1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CLAY (CL) fine SAND (	SP)			<b></b> /		0.010" Slot U-Pack Screen
			•	,					
								<u></u>	
		29.0							
		Grav	fine SAND (	SP); shells & c	oncretions		<del></del>  ::		:
30	<u> </u>	30.0 Gray		•	ttom of borehole at 3	30.0 feet.	<u>. · · .</u>	<u> </u>	.

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### **BORING NUMBER KMW-12**

PAGE 1 OF 1

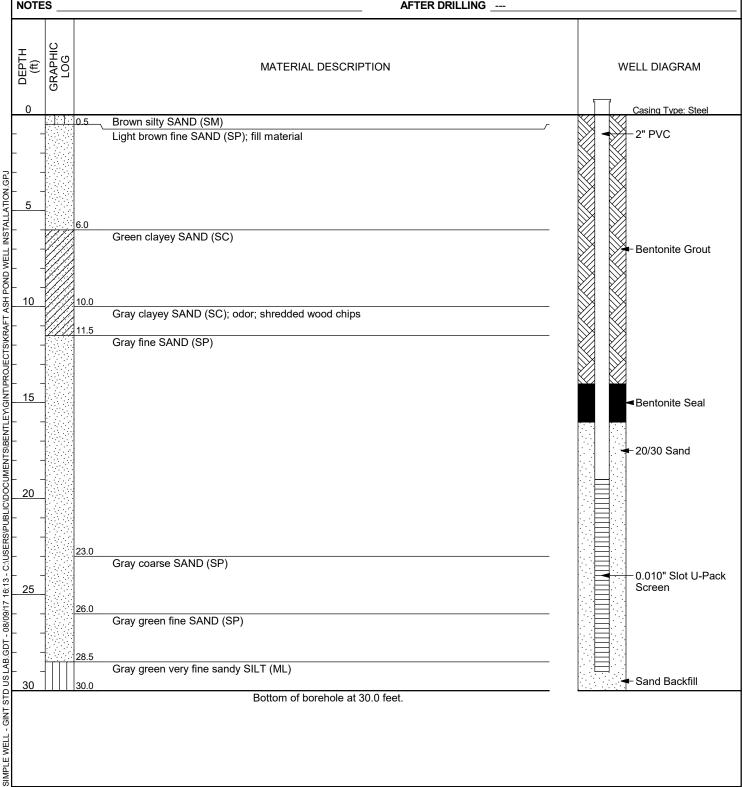
CLIENT Georgia Power Company PROJECT NAME Plant Kraft

PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA

DATE STARTED 08/02/17 COMPLETED 08/02/17 GROUND ELEVATION HOLE SIZE 6 inches

DRILLING CONTRACTOR Cascade Drilling, L.P. GROUND WATER LEVELS:

DRILLING METHOD Sonic AT TIME OF DRILLING --
LOGGED BY Trent Godwin CHECKED BY Michael Patinkin AFTER DRILLING --
AFTER DRILLING ---



# **BORING NUMBER KMW-13** CLIENT Southern Company Services PROJECT NAME Plant Kraft PROJECT NUMBER N/A PROJECT LOCATION Port Wentworth, GA DATE STARTED 2/7/18 COMPLETED 2/7/18 GROUND ELEVATION HOLE SIZE 6 inches GROUND WATER LEVELS: **DRILLING CONTRACTOR** Cascade Drilling, L.P. DRILLING METHOD Sonic AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY Trent Godwin AT END OF DRILLING \_---▼ AFTER DRILLING 12.25 ft immediately before developing NOTES MATERIAL DESCRIPTION WELL DIAGRAM Casing Type: PVC Brown to Black Top Soil/Gravel Brown to Tan WS PG Fine Sand (SP) Modeled Clayey Sand (SC) Bentonite Grout Brown to Tan Sandy Clay (ML) Tan to Red PS WG Medium Sand (SW) 2" PVC Sch. 40 Bentonite Seal $\mathbf{I}$ Tan to orange WS PG Fine Sand -20/30 Sand 18.0 Tan to Orange WG PS Medium Sand (SW) 0.010" Slot U-Pack Screen Green to Gray WS PG Fine Sand (SP) with Clay Lens ~26-26.5' Gray Clayey Sand (SC) Gray Clay (CL) Gray WS PG Fine Sand (SP) Fat Clay (CL) - Sand Backfill Gray PG WS Fine Sand (SP) Green to Gray Clayey Silt (ML)

SIMPLE WELL - GINT STD US LAB GDT - 5/10/18 12:13 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT ASH POND WELL INSTALLATION. GPJ

	Solute Resolute	BORING NUMBER KMW-13 PAGE 2 OF 2
	Southern Company Services T NUMBER N/A	PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworth, GA
DEPTH (ft) GRAPHIC	<u>~.</u>	RIAL DESCRIPTION WELL DIAGRAM
35	Green to Gray Clayey Silt (ML) (contin	ıed)

Bottom of borehole at 37.0 feet.

SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 12:13 - X.;PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT ASH POND WELL INSTALLATION.GPJ



BORING NUMBER MW-15A(R)
PAGE 1 OF 1

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CLIEN PROJ DATE DRILL DRILL LOGO	TECT NUST START LING COLING ME	r Resources consulting Fax orgia Power Comp IMBER N/A  ED 07/31/17 ONTRACTOR Ca ETHOD Sonic Trent Godwin	odstock, GA 30188 ephone: 678.398.9942 :: 888.881.8219 eany  COMPLETED _07/31/17 escade Drilling, L.P.  CHECKED BY _Michael Patinkin	PROJECT LOCATION Port Wentwort GROUND ELEVATION GROUND WATER LEVELS: AT TIME OF DRILLING AT END OF DRILLING	HOLE SIZE 6 inches
DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIP	TION	WELL DIAGRAM
0    5	6	.0	fine SAND (SP); fill material		Casing Type: Steel  2" PVC  Bentonite Grout
  10	8	.5 Gray slight	y clayey SAND (SW-SC); wet  AND (SP); wood debris		■ Bentonite Seal  ■ 20/30 Sand
15	1////1	Gray fine S  7.0  7.5  Gray CLAY  Gray CLAY	plack sandy SILT (ML); metal, organic mate AND (SP); wood debris  ( (CL); wood chips ( (CL) ( CLAY (CL); wood chips	erial, wood, bricks, nails	0.010" Slot U-Pad Screen
   - 25		Gray green	silty CLAY (CL)		■ Sand Backfill
5			Bottom of borehole at 2	5.0 feet.	



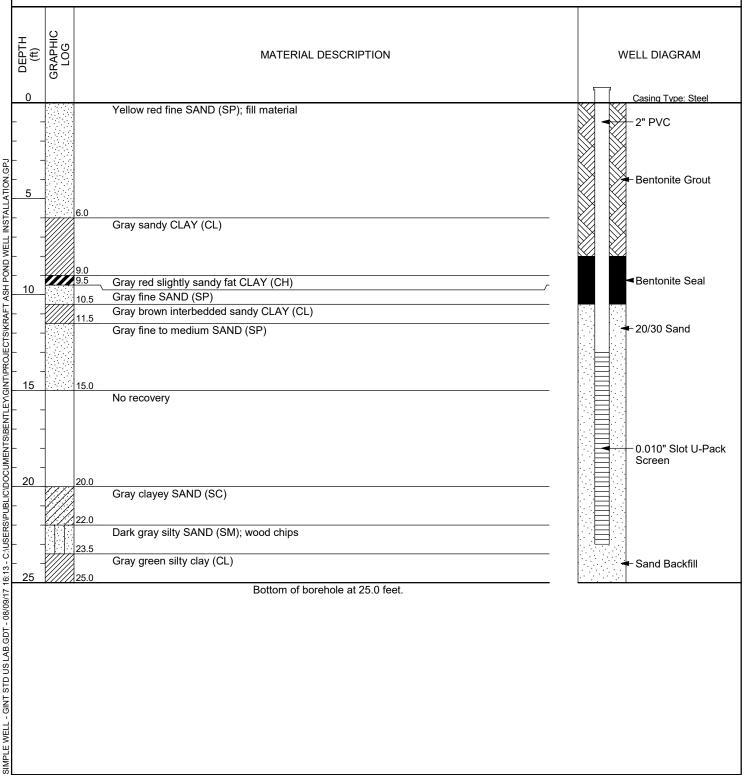
C E

**BORING NUMBER MW-15C(R)** 

PAGE 1 OF

1001 Weatherstone Parkway Suite 410 Woodstock, GA 30188 Telephone: 678.398.9942 Fax: 888.881.8219

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft					
PROJECT NUMBER N/A	PROJECT LOCATION Port Wentworth, GA					
<b>DATE STARTED</b> <u>07/31/17</u> <b>COMPLETED</b> <u>07/31/17</u>	GROUND ELEVATION HOLE SIZE 6 inches					
DRILLING CONTRACTOR Cascade Drilling, L.P.	GROUND WATER LEVELS:					
DRILLING METHOD Sonic	AT TIME OF DRILLING					
LOGGED BY Trent Godwin CHECKED BY Michael Patinkin	AT END OF DRILLING					
NOTES	AFTER DRILLING					





LC

**BORING NUMBER MW-15D(R)** 

PAGE 1 OF 1

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Fax: 888.881.8219

CLIENT Georgia Power Company

PROJECT NAME Plant Kraft

PROJECT NUMBER N/A

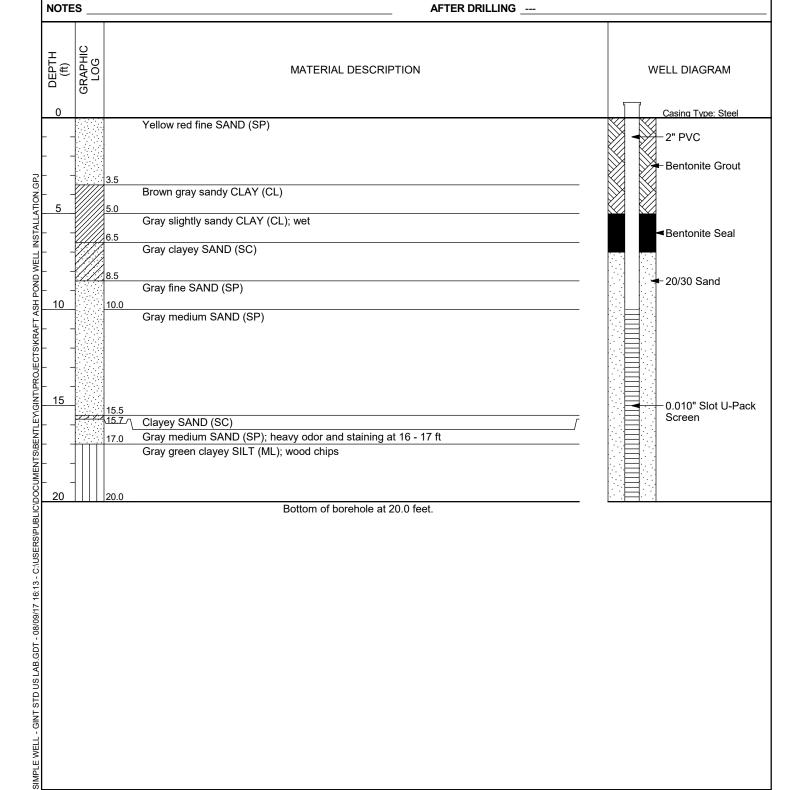
PROJECT LOCATION Port Wentworth, GA

DATE STARTED 07/31/17 COMPLETED 07/31/17 GROUND ELEVATION HOLE SIZE 6 inches

DRILLING CONTRACTOR Cascade Drilling, L.P.

DRILLING METHOD Sonic

AT TIME OF DRILLING --
LOGGED BY Trent Godwin CHECKED BY Michael Patinkin AT END OF DRILLING ---



	BOF	RING LOG:	SB-1			
FACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SUR		BORING NO.:	SB-1	BORING DATE:	12-Nov-2016	
AND	(#)	METHOD:	Direct Push Ted			
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL [B	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	730	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
EPŢ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.3		S - silty well gr blac BLS - Clayey brown, o	PID: 0-1 ft: 2.3 ppm PID: 1-2 ft: 0.5 ppm PID 2-3.3 ft: ppm Samples: SB-1-0-1 GW-1		
3			BLS - poorly gr bro BLS - sandy C			
5	3.5	4 to 7.1 ft BL		ded coarse SAI wn, tan	ND (SP); white,	wet at 5.8 ft BLS
7			BLS- poorly gra	ded coarse SAN aded coarse SA wn, tan	D (SP); grey ND (SP); white,	
9————	4	9.0 to	bro 9.1 ft BLS - sa - poorly grad	ed coarse SAND wn, tan ndy SILT (ML); ed coarse SAND wn, tan	dark grey	
10—————————————————————————————————————				y CLAY(CL); da _AY (CL); browr		

	BOF	RING LOG:	SB-3			
Ш	501	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
IRFA				PROJECT NO.:	_	
ns o		BORING NO.:	SB-3	BORING DATE:	12-Nov-2016	
LANI	(#	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Reco	DRILLING CO.:	Atlas-Geo Samp	olinSTART TIME:	1345	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and I	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinkii	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.8	0	(SP); blac 2 to 0.9 ft - SI	ery fine SAND v k, white, grey LT (ML); dark b anitic cobble; gr		PID: 0-1 ft: 0.6 ppm PID: 1-2 ft: 1.1 ppm PID 2-2.8 ft: 0.9 ppm No samples colected
3		1.9 to 2.8 ft -		coarse SAND ( vhite	SP); brown, tan,	
5						
7———						
8—						
9———						
10-						
11						

	BOF	RING LOG:	SB-4			
B		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
JRFA				PROJECT NO.:	_	
D S C		BORING NO.:	SB-4	BORING DATE:	12-Nov-2016	
LAN	(#)	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEI.	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	925	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
90			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3		blad ft - poorly grad	I fine SAND with ck, gray led fine gravely ack, organge		PID: 0-1 ft: 1.2 ppm PID: 1-2 ft: 1.3 ppm PID 2-3 ft: 1.4 ppm Samples: SB-4-2-3
3		1.8	t - poorly grade white to 2.0 ft - san to 3.9 ft - san			
5						
7						
9						
11						

	BORI	NG LOG: S	B-5/12			
Ö.	2014	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
IRFA				PROJECT NO.:	_	
ns a		BORING NO.:	SB-5/12	BORING DATE:	12-Nov-2016	
LAN	(#)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1010	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE				AL DESCRIPTIO		COMMENTS
1	3	0.5 to 1.0 f	t - organic san trace gravel ( t - well graded t t - silty clayey	PID: 0-1 ft: 1.0 ppm PID: 1-2 ft: 0.7 ppm PID 2-3.3 ft: 1.2 ppm Samples: SB-5/12-2-3 GW-5/12		
3		2.0 to 3.0 ft -	poorly graded t			
5	1.9	5.7 ft -	poorly graded poorly graded	coarse SAND ( prown coarse SAND ( I coarse SAND ( prown		wet at 5.5 ft
7						
9	3.6		oft - poorly gra 8.9 to 9.1 ft - .4 ft - stiff britt			
11————			10.0 to 10.	2 ft - fine roots		

	ВОГ	RING LOG:	SB-6			
ш		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])				PROJECT NO.:	_	
SUR		BORING NO.:	SB-6	BORING DATE:	12-Nov-2016	
O N	Ð	METHOD:	Direct Push Ted		2 & 7/8"	
W L/	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
(BLS])	эсоле	DRILLING CO.:		olinSTART TIME:	1550	
ET B	Ä				AMS Power	
(FEI		DRILLER:	Tim Baker and	PerRIG:	Probe 9500-VTR	
Η Η		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.9	0.3 to 0.8 ft	: - poorly grade brown,	d very fine SAN ed fine to medium orange, tan t clay (CH); light	m SAND (SP);	PID: 0-1 ft: 0.1 ppm PID: 1-2 ft: 0.5 ppm PID 2-2.9 ft: 0.5 ppm Samples: SB-6-1-2
		0.9 to 1.8 ft		ed fine to mediu	m SAND (SP);	
3		1 8 to 2 0	-	orange, tan ed coarse SAND	) (SD):white	
3					; light grey, light	
4		_		ing on a 0.1 ft in		
4-						
5						
6-						
	1					
/	1					
	1					
8						
	1					
9	1					
40	1					
10						
	1					
11	1					

	BOF	RING LOG:	SB-7			
Щ		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
3FAC				PROJECT NO.:	_	
SUE		BORING NO.:	SB-7	BORING DATE:	12-Nov-2016	
ANG	(ft)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Зесо	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1405	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>P</b> erRIG:	AMS Power Probe 9500-VTR	
F G		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.4		brov	ne to coarse SA wn black aded medium to		PID: 0-1 ft: 0.5 ppm PID: 1-2 ft: 0.9 ppm PID 2-2.9 ft:0.9 ppm
				k brown, black	7 000.00 072	Samples: SB-7-1-2
2						
		1 2 to 3 4 ft	poorly graded	ace gravel (SP);		
3———		1.2 to 5.4 it -	tan, wl			
4						
_						
5-						
6						
7						
8						
9———						
10-						
11						

	BOF	RING LOG:	SB -8			
111	23.	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
-ACE		OTTE.	r lant Krait	PROJECT NO.:	r ort wentworth, t	
SURF		DODING NO	00.0		40 Nov. 2046	
DEPTH (FEET BELOW LAND SURFACE [BLS])		BORING NO.:	SB -8	BORING DATE:	12-Nov-2016	
	у (ft)	METHOD:	Direct Push Ted		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1320	
		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H )		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEP			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.3	0.6 to 0.7	ft - poorly grad orang	(SM); dark brow ded medium SAI ge, brown CLAY (CL); gray	ND (SP); tan,	PID: 0-1 ft: 1.3 ppm PID: 1-2 ft: 0.6 ppm PID 2-3.3 ft: 0.9 ppm Samples: SB-8-0-1 GW-8
3		3.0 to 3.1	ft - clayey SAI	ND (SC); orange	e, gray, black	wet at 2.2 ft
5						
9						
10						
11						

	ВОГ	RING LOG:	SB-9			
RFACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
ns o		BORING NO.:	SB-9	BORING DATE:	12-Nov-2016	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
		TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
		DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	915	
		DRILLER: Tim Baker and PerRIG: AMS Power Probe 9500-VTR				
		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
		LITHOLOGICAL DESCRIPTION  0.0 to 0.5 ft well graded fine to medium silty clayey SAND				COMMENTS
1	3	with poorly 0.5 to 1.1 ft	well graded fin graded coarse - poorly grade brown, ora	PID: 0-1 ft: 0.0 ppm PID: 1-2 ft: 0.8 ppm PID 2-3 ft: 1.0 ppm Samples:SB-9-2-3 GW-9		
3		1.9 to	.7 to 1.9 ft - CL o 2.1 ft - CLAY 2.1 to 2.3 - CLA poorly graded	moist at 2.1 ft		
5	3.8	4.0 to 7.8 ft -	poorly graded	wet at 4.0 ft saturated at 5.5 ft		
7			7.7 to 7.8 ft			
9	4	8.0 to 11.9 ft - poorly graded SAND (SP); tan, orange, white 11.9 to 12.0 ft - poorly graded clayey SAND (SP); tan, orange, white				
11-						

BORING LOG: SB-10								
ACE.		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)			PROJECT NO.:	_			
		BORING NO.:	SB-10	BORING DATE:	12-Nov-2016			
		METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"			
		TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed			
		DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	11.5			
		DRILLER:	Tim Baker and Penny Whitaker	RIG:	AMS Power Probe 9500-VTR			
		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin			
DE			LITHOLOGICAL DESCRIPTION	COMMENTS				
1	3.1	0.0 to 0.3 ft - silty TOPSOIL with roots (OL); brown 0.3 to 2.7 ft - silty SAND (SM); dark brown black, gray 0.9 to 1.0 ft - silty CLAY (CL); brown, orange			PID: 0-1 ft: 1.4 ppm PID: 1-2 ft: 0.9 ppm PID 2-2.9 ft: 0.5 ppm Samples: SB-10-0-1			
3	<b>.</b>	2.7 to 3.4 ft - sandy ASH FILL (ML); dark gray brown, black			ς.			
5								
9			Bottom of borehole	at 4 feet				

	BOE	RING LOG:	SR-11			
		1		LOCATION	D1M 1	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF				PROJECT NO.:	_	
D S(		BORING NO.:	SB-11	BORING DATE:	12-Nov-2016	
LAN	(H)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL BEL	Seco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	945	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
-	0.5		t	AND with gravel		PID: 0-1 ft: 1.7 ppm PID: 1-2.5 ft: 1.3 ppm
	2.5	0.5 to 2.5 p		nedium to coars white, black	e SAND (SP);	Samples: SB-11-0-1
2						
-						
3———						
4						
5———						
6						
7						
,						
0						
δ						
	1					
9———	1					
10-						
	-					
11———						

	BORI	NG LOG: S	B-15-1			
, FACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, C	
SUR		BORING NO.:	SB-15-1	BORING DATE:	12-Nov-2016	
AND	(#)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
7 BEL	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and		AMS Power Probe 9500-VTR	
ΕΡΤ		LOGGER:	Michael Patinki		Trent Godwin	
۵		().1 to ().8 ff.		AL DESCRIPTION Silty SAND with r		COMMENTS
1	3.4	0.8 to 1.0	gravel (SM ft - poorly grad gravel (SP); ft - poorly grad	moist at 1.6 ft wet at 2.7 ft saturated at 3.2 ft		
2-			whit			
3		1.7 to 3.2 ft - poorly graded coarse SAND (SP); tan, white, brown				
4						
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	BOR	ING LOG: S	B-15-2			
4CE	БОК	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF,				PROJECT NO.:	_	
S		BORING NO.:	SB-15-2	BORING DATE:	12-Nov-2016	
LA C	y (ft)	METHOD:	Direct Push Te		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H H	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
O.		<u> </u>		AL DESCRIPTION		COMMENTS
1	3.4	GRAV 0.5 to 1.0 ft 1.0 to 1.4 ft B	EL with sand BLS - poorly (SM-SC); bro SLS - poorly gwhit to 2.4 ft BLS	e_brown - SILT (ML); dar	ack, gray ey silty SAND ge SAND (SM); tan,	moist at 1.3 ft wet at 2.7 ft saturated at 3.2 ft
3			t BLS - poorly SAND (SC); t BLS - poorly gr tar			
5———						
7						
8						
9						
11————						

	BORII	NG LOG: S	B-15-2B			
Щ		SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
RFAC				PROJECT NO.:	_	
SUS		BORING NO.:	SB-15-2B	BORING DATE:	1-Feb-2017	
AND D	æ	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
BELC	(eco/	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1410	
DEPTH (FEET BELOW LAND SURFACE [BLS])	<u></u>	DRILLER:	Sammy and Jo	sepRIG:	Massey Ferguson Tractor	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
O O			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
1	2.9	0.0 to 0.7 ft -	-	ine to coarse SA ·SM); gray, brow	ND with silt and	
			- poorly grade tai 1.4 to 1.9 ft - \$	Sample: SB-15-2B-1.4-1.9 Moist at 1.0 ft		
		1.9 to 2.9 ft		d fine SAND wit range, gray	h clay (SP-SC);	Wet at 2.0 ft
3—————————————————————————————————————						
5 <del></del>						

BORING LOG: SB-15-3  SITE: Plant Kraft LOCATION: Port Wentworth, C PROJECT NO.: —  BORING NO.: SB-15-3 BORING DATE: 12-Nov-2016  METHOD: Direct Push TechnBIT DIA.: 2 & 7/8"  TOTAL DEPTH: 16 ft BLS GROUND EL.: Not Surveyed  DRILLING CO.: Atlas-Geo Samplir START TIME: 810  DRILLER: Tim Baker and Per RIG: Probe 9500-VTR  LOGGER: Michael Patinkin REVIEWER: Trent Godwin  LITHOLOGICAL DESCRIPTION (ft BLS)  COMMEN	
PROJECT NO.: —  BORING NO.: SB-15-3 BORING DATE: 12-Nov-2016  METHOD: Direct Push TechnBIT DIA.: 2 & 7/8"  TOTAL DEPTH: 16 ft BLS GROUND EL.: Not Surveyed  DRILLING CO.: Atlas-Geo Samplir:START TIME: 810  DRILLER: Tim Baker and PerRIG: Probe 9500-VTR  LOGGER: Michael Patinkin REVIEWER: Trent Godwin  LITHOLOGICAL DESCRIPTION (ft BLS)  COMMEN	
COMMEN	
COMMEN	
COMMEN	
COMMEN	
COMMEN	
COMMEN	
COMMEN	
COMMEN	
0.0 to 1.0 ft - well graded medium to coarse sitty CDAVEL	TS
0.0 to 1.0 it - well graded medicin to coarse silty GRAVEL	
with sand (GM); brown, black, gray	ļ
1—————————————————————————————————————	ļ
GRAVEE (GIVI), DIOWII, DIACK, GIAY	
2	
1.3 to 3.5 ft - poorly graded coarse SAND (SP); tan, white, brown	
3—————————————————————————————————————	ļ
2.4 to 2.5 ft - SILT (ML); dark gray	
4	
<u> </u>	
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9———	
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11————	

	BORII	NG LOG: S	B-15-3B			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE:  BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:	Plant Kraft SB-15-3B Direct Push Te	LOCATION: PROJECT NO.: BORING DATE: chnBIT DIA.: 4 GROUND EL.: plirSTART TIME:	Port Wentworth, GA  1-Feb-2017 2 & 7/8"  Not Surveyed 1355	
ОЕРТН (FEET 8	ď	DRILLER: LOGGER:	Sammy and Jo		Massey Ferguson Tractor Trent Godwin	COMMENTS
1	3.4	0.0 to 1.0 ft -		ne to coarse SA gray, brown	ND with silt (SW-	Sample: SB-15-3-0-4
			1.0 to 1.2 ft - S ft - poorly grad (SP);tai	Moist at 1.0 ft		
3			2.2 to 2.3 ft - 5 - poorly grade tan, b	Wet at 2.0 ft		
4						
5						

	R∩PI	NG LOG: S	B_15_/			
	DURI	1		LOCATION	D-41M- 4	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
JRF				PROJECT NO.:	_	
D S(		BORING NO.:	SB-15-4	BORING DATE:	12-Nov-2016	
LAN	(H)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL BEL	Seco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEI		Ll	THOLOGICAL I	DESCRIPTION (ft	BLS)	COMMENTS
			•	medium to coar	, ,	
				; brown, black, o ed medium to co		
1	3.5		•	; brown, black, g	•	
			poorly graded			
2			1 0 1 0 1 °			
		2 1 to 2 7 ft .	1.8 to 2.1 ft - poorly grade-			
3		2.1 10 2.7 10	(SC); tan,			
		2.7 to 3.5 ft -	poorly graded			
4-			k	orown		
7						
5						
6———						
7						
8						
9	1					
	1					
10						
11						

	BORI	NG LOG: S	B-15-5			
	DOKI	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE:	Plant Kraft		Port Wentworth, C	
J. R.				PROJECT NO.:	_	
S Q		BORING NO.:	SB-15-5	BORING DATE:	12-Nov-2016	
LA L	(ft)	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL FB	Зесс	DRILLING CO.:	Atlas-Geo Samp	olinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and I	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinkii	n REVIEWER:	Trent Godwin	
DEI			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.6	1.0 to 1.6 f	well graded n vith sand (GM) ft - well graded (GW); wh .65 to 1.7 ft - S	boring not planed on map		
3			poorly grade (SC); tan, poorly graded			
5						
7						
8						
9———						
10-						
11						

	BOE	RING LOG:	SB-16			
	BOI	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		OITE.	i iant Krait	PROJECT NO.:	r ort wentworth, c	
SURF		DODING NO	OD 40		40 Nove 2040	
O N		BORING NO.:	SB-16	BORING DATE:	12-Nov-2016	
_	у (ft)	METHOD:	Direct Push Te		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H H	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1605	
		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
Ĭ ,		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF		LI	THOLOGICAL I	DESCRIPTION (ft	BLS)	COMMENTS
1	3.1		•	_ with sand (OL) AY (CL); light br	; brown, orange own, orange	PID: 0-1 ft: 0.0 ppm PID: 1-2 ft: 0.0 ppm PID 2-3.1 ft: 0.0 ppm
3		1.8 to 3.2 ft	t - poorly grade tan, bro			
5	3.2		,	coarse SAND ( white ded coarse SAN	SP); brown, tan, ID (SP); gray	PID: 4-5 ft: 0.1 ppm PID: 5-6 ft: 0.6 ppm Samples; SB-16-5-6
7				ded coarse SAN ded coarse SAN	· /·	wet at 6 ft BLS
9———						
10-						
11						

	BOR	ING LOG:	SB-17			
ACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SURF		BORING NO.:	SB-17	BORING DATE:	 12-Nov-2016	
ON <sup>4</sup>	(t)	METHOD:	Direct Push Ted		2 & 7/8"	
(BLS)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BELC	\ecov	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1530	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Ľ	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE				AL DESCRIPTIO		COMMENTS
1	3	0.4 to 0.9 f	blad t - cobbled siz gray, v	d fine SAND wil ck, gray ed GRAVEL witl vhite, black I fine to medium	h sand (GW);	PID: 0-1 ft: 1.2 ppm PID: 1-2 ft: 1.6 ppm PID 2-3 ft: 0.4 ppm Samples:SB-17-0-2 GW-17
3———		(SP-SM); brown, orange, black  1.1 to 3.0 ft - poorly graded medium to coarse SAND (SP); orange, tan, brown				5W 11
4						
5 <del></del>						
6						
7						
9						
10						
11						

	BOR	RING LOG:	SB-18			
CE	201	SITE:	Plant Kraft	LOCATION:	Port Wentworth, C	
JRFA				PROJECT NO.:	_	
D S C		BORING NO.:	SB-18	BORING DATE:	12-Nov-2016	
LAN	( <del>L</del>	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
13 B.	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1100	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE				DESCRIPTION (ft	,	COMMENTS
			GRAVEL (G	vell graded med 6M); gray, browr I very fine SANI	า	PID: 0-1 ft: 0.0 ppm PID: 1-2 ft: 0.0 ppm
1	2.8		· poorly graded	white I coarse GRAVI		PID 2-2.8 ft: 0.0 ppm Samples:
2		0.6 to 1.1 -	poorly graded			
			orar	moist at 2.5 ft		
		1.1 to 2.8 ft	poorly graded clay (SP-SC) 1.9 to 2.0 gr			
4			9.	(	,	
5———	2.5	4.0 to 6.5 ft -		medium to coa rown, white	rse SAND (SP);	wet at 5.0 ft saturated at 5.5 ft
			giay, b	iowii, wilito		Saturated at 5.5 ft
6						
7———						
8						
		8.0 to 10.7	ft - poorly grad	ded coarse SAN	ID (SP); gray,	
9———	2.7	9.9 to 1		ck, white Y (CL); dark bro	own, black,	
10		10.6 to 1	0.7 ft- silty CL	AY (CL); dark b	rown, black,	
10						
11						

		BORING	G LOG: SE	3-18 (Tempo	orary Well)	
DEPTH (FEET BELOW GROUND SURFACE [BGS])	WELL CONSTRUCTION DIAGRAM	BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:  LOGGER:	Auger 20 ft BLS Atlas-Geo Sam Tim Baker and Forrest Howard	LOCATION: PROJECT NO.: PROJECT NO.: PROJECT NO.: PIT DIA.: GROUND EL.: PIT START TIME: PE RIG: CHARLES REVIEWER: DGICAL DESCRI	Port Wentworth, GA  8-Dec-2016 4" Not Surveyed 1016 AMS Power Probe 9500- VTR Stephen Wilson	COMMENTS
10		12 ft BLS	S - Slightly cla		and (SP); gray ium sand (SP); gray	description started at 8 ft. BGS. Above soil already described in earlier DPT drilling
30			HS	A boring termin top of s bento	g terminated @ 20.0 ft ated / bottom of well @ 2 screen @ 10.0 ft sand to 8.0 ft nite chips to 5.0 ft out to surface	2.00 ft

	BOR	ING LOG:	SB-19			
RFACE	561.	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
ıns c		BORING NO.:	SB-19	BORING DATE:	12-Nov-2016	
ANE	(#)	METHOD:	Direct Push Ted	hnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL.	Reco	DRILLING CO.:	Atlas-Geo Samı	olinSTART TIME:	1555	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and		AMS Power Probe 9500-VTR	
EPT		LOGGER:	Michael Patinki		Trent Godwin	
٥		Lľ	THOLOGICAL [	ESCRIPTION (ft	BLS)	COMMENTS
1	2.3	0.0 to 0.5 - <sub>I</sub>		silty fine SAND	with grass and	PID: 0-1 ft: 2.0 ppm PID: 1-2 ft: 2.6 ppm PID 2-2.9 ft: ppm Samples:SB-19-1-2.3 GW-19
3		0.5 to 2.3 ft -	- well graded fi gravel(			
5	2.7		granitic poorl blac poorly graded \	PID 4-5.3 ft: 1.8 ppm PID 5.3-6.7 ft: 1.8 ppm wet at 5.7 ft		
7						
9	3.5	8.0 to 9.5 ft - poorly graded coarse SAND (SP); brown, tan, white, gray 9.5 to 9.8 ft - fat CLAY (CH); brown, gray 9.8 to 10.2 ft - poorly graded coarse SAND (SP); brown, tan, white				
11————			-	ILT (ML); black, CLAY (CH); brov		

	BOR	ING LOG:	SB-21			
4CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF				PROJECT NO.:	_	
S		BORING NO.:	SB-21	BORING DATE:	12-Nov-2016	
LAN (	y (ft)	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H	Rec	DRILLING CO.:	Atlas-Geo Samp	olinSTART TIME:	845	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and I	PerRIG:	AMS Power Probe 9500-VTR	
F F		LOGGER:	Michael Patinkii	n REVIEWER:	Trent Godwin	
DE				ESCRIPTION (ft	,	COMMENTS
1	3	0.7 to 1.0 ft	vith sand (GM) - well graded fi whi 1.0 to 1.2 ft - S	iedium to coarsi ; brown, black, q ne to medium S te, gray ILT (ML); dark g	gray AND (SP); tan,	PID: 0-1 ft: 1.0 ppm PID: 1-2 ft: 1.4 ppm PID 2-3 ft: 1.7 ppm
2———			- poorly grade - poorly graded	DID 0 0 % 4 7		
3		2.1 to 2.5 -	white poorly graded gravel (SP-SC	PID 2-3 ft: 1.7 ppm PID 4-5 ft: 0.8 ppm Samples: SB-21-2-3		
			poorly graded	GW-21 moist at 2.9 ft		
5	3.9	4.0 to 7.9 ft -		SAND (SP); wh	nite, tan, orange	wet at 4.5 ft
7						saturated at 6.0 ft
9	4	8.4 to 10.3	ß ft - poorly gra 7 ft - well grade	AND (SM); browded SAND (SP) ded fine to mediu y, dark brown	; gray, brown	
11————		10.7 to	12.0 ft - soft sil	ty CLAY (CL); b	rown, gray	

	BOE	RING LOG:	SB-26			
111	501	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		SITE.	riant Krait	PROJECT NO.:	Fort Wentworth, C	
SURF		DODING NO	00.00		40 Nove 2040	
ω Ω Σ		BORING NO.:	SB-26	BORING DATE:	12-Nov-2016	
	у (ft)	METHOD:	Direct Push Ted		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1650	
		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
HT (		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF		Lľ	THOLOGICAL I	DESCRIPTION (ft	BLS)	COMMENTS
1	3.1		t - poorly grad	d silty fine SAN ed silty fine SAN prown		PID: 0-1 ft: 0.5 ppm PID: 1-2 ft: 1.0 ppm PID 2-2.9 ft: 0.7 ppm Samples: SB-26-1-2
3			to 2.1 ft - silty - poorly graded SC); orang			
5						
6						
7						
8						
9———						
10-						
11						

	BOF	RING LOG:	SB-27			
Ш		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])				PROJECT NO.:	_	
SUR		BORING NO.:	SB-27	BORING DATE:	12-Nov-2016	
O N	Ð	METHOD:	Direct Push Tee		2 & 7/8"	
W L/	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
[BLS])	9COV6	DRILLING CO.:		olinSTART TIME:	1355	
ET B	ď				AMS Power	
H (FE		DRILLER:	Tim Baker and	Per RIG:	Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE		LI	THOLOGICAL I	DESCRIPTION (ft	BLS)	COMMENTS
		0.0 to 1.7 ft		raded GRAVEL	with silt (GW-	PID: 0-1.2 ft: 2.4 ppm
1	3.7	1.7 to 2.3 t	,.	ck, gray, white ed SAND (SP);	aray orange	PID: 1.2-2.4 ft: 2.1 ppm
<u> </u>	5.7	1.7 to 2.5 i	wh	PID: 2.4-3.7 ft: 3.1 ppm Samples:		
2						Samples:
2		2.7 to 3.2 ft	- stiff clayey S	moist at 2.3 ft		
3-		3.2 to	3.7 ft - poorly (	wet at 3.4 ft		
4						
	] ,			graded fine sand		PID: 4-5 ft: 0.8 ppm
5	4			ded fine sand (S raded fine sand	,	saturated: 4.5 ft
					(== ), 3==)	
6-						
_	1	6.0 to 7.3 ft		d sand with grav	vel (SP); black,	
/	1	7.3 to 8		rk grey aded fine sand (	(SP); grav	
	1		i, 9.		, ,, <u>,</u> , ,	
δ						
	1					
9	1					
16	1					
10						
	1					
11	1					

	ROR	ING LOG: S	SR-20-1			
	BOK	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
ACE		SITE.	Fidill Kidil		Fort Wentworth, G	
J. N.		DODING NO	00.004	PROJECT NO.:	_	
ω Ω Ζ		BORING NO.:	SB-29-1	BORING DATE:	1-Feb-2017	
	у (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
H BE	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1520	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Jos	sepRIG:	Massey Ferguson Tractor	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
		0.0 to 0.8 ft			with sand (GW);	
	3.4	0.04-4.0#		gray, white	-:It. CAND (CM).	No Sample
		0.8 to 1.0 π -		tine to medium ck, brown	silty SAND (SM);	·
1						
		1 0 to 1 8 ff	: - poorly grade			
		1.0 to 1.0 it	SC);			
		1.8	3 to 2.2 ft - fat			
2						
		2.2 to 3.4 ft	- poorly grade	d coarse SAND	(SP); white, tan	
			, , ,		,,,,,,,,	
3						
4						
5						
J <u></u>						

	BOR	ING LOG: S	SR-20-2			
	BOK	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
ACE		SITE:	Plant Kraft		Port Wentworth, G	
J. J				PROJECT NO.:	_	
S O		BORING NO.:	SB-29-2	BORING DATE:	1-Feb-2017	
LA	v (ft)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
r BE	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1535	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Jos	sepRIG:	Massey Ferguson Tractor	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
1	3.6		black, poorly graded	gray, white	with sand (GW); ND with silt (SC-	No Samples
			ft - poorly grad bro poorly graded			
3						
4						
5						

	BORI	NG LOG: S	SB-29-3			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE: Plant Kraft LOCATION: Port Wentworth, PROJECT NO.: —  BORING NO.: SB-29-3 BORING DATE: 1-Feb-2017  METHOD: Direct Push Techi BIT DIA.: 2 & 7/8"  TOTAL DEPTH: 4 GROUND EL.: Not Surveyed  DRILLING CO.: Atlas-Geo Sampli START TIME: 1000  DRILLER: Sammy and Josej RIG: Massey Fergusor Tractor				
DEPT		LOGGER:		AL DESCRIPTIO	Trent Godwin	COMMENTS
	3.5	0.0 to 1.0		o coarse GRAVI ck, gray, brown	EL with sand	No Samples
2			ft - poorly grad (SC-SM); ft - poorly gra			
3		2.2 to 2.7 ft	- alternating s CLAY (Cł			
5 ————————————————————————————————————						

	BORI	NG LOG: S	B-31-1			
, CE	DOTA	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
JRF₽				PROJECT NO.:	_	
ID SI		BORING NO.:	SB-31-1	BORING DATE:	12-Nov-2016	
LAN	/ (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
T BEI	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	850	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	<b>P</b> er RIG:	AMS Power Probe 9500-VTR	
T H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3	0.0 to 0.1 ft -		າາ SAND with gr with green	avel (SW); light	PID: 0-1 ft: 0.5 ppm PID: 1-2 ft: 0.7 ppm PID 2-3 ft: 0.6 ppm Samples: SB-31-1-1-2 GW-31-1
		0.1 to 2.9 f	t - poorly grad			
3			bro			
			3 to 2.4 ft - san .8 to 2.9 - san			
4		2	.0 t0 2.9 - Sam			
5————	2.8	4.0 to 6.8 f	t - poorly grad bro	wet at 4.9		
7						
8						
9———	0		no i			
				•		
10-		ļ				
11						

	BORI	NG LOG: S	B-31-2			
, CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
JRFA				PROJECT NO.:	_	
D SI		BORING NO.:	SB-31-2	BORING DATE:	12-Nov-2016	
LAN	(#)	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
] BEI	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	815	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
F F		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.3		(ML t - poorly grade	ed fine silty SAN ); brown ed coarse SANI rown		PID: 0-1 ft: 0.3 ppm PID: 1-2 ft: 0.6 ppm PID 2-3.3 ft: 0.1 ppm Samples: SB-31-2-1-2 GW-31-2
3			2.5 ft - clayey 3.1 ft - clayey			
5	1.5		t - poorly grad b 4.4 ft - sandy	wet at 5 ft		
0						
7						
8———						
9———	0.7	8.0 to 8.7 ft -	poorly grade	d coarse SAND	(SP); light gray	
10						
11						

	BORI	NG LOG: S	B-36-1			
ACE	2014	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
SURF		BORING NO.:	SB-36-1	PROJECT NO.: BORING DATE:	 12-Nov-2016	
AND	(£	METHOD:	Direct Push Te		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL.	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1500	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
٥			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.5			andy TOPSOIL M); brown, tan, હ		PID: 0-1 ft: ppm PID: 1-2 ft: ppm PID 2-2.9 ft: ppm Samples:SB-36-1, SB-Dup-1
3				d fine to mediun wn, orange, grey		moist at 2 ft
5						
6						
7						
8						
9						
10						
11						

	BORI	NG LOG: S	SB-36-2			
DEPTH (FEET BELOW LAND SURFACE [BLS])		SITE: BORING NO.:	Plant Kraft SB-36-2	LOCATION: PROJECT NO.: BORING DATE:	Port Wentworth, 0 — 12-Nov-2016	
P	(ft)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1525	
H (FEET		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
EP T		LOGGER:		n REVIEWER:	Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.5		ft - silty TOPS : - well graded			
3		1.6 to 2.5 ft	- slightly sand	moist at 2.0 ft Samples:SB-36-3-1.5-4.5 SB Dup-2, GW-36-2, GW-Dup-2		
5	4	4.5 to 4	c 8 ft - silty CLA. well graded fi	y soft CLAY (CL range Y (CL); brown, g ne to medium si tan, white	gray, green	wet at 4 ft saturated at 5.5 ft
7			ft - poorly grad SAND (SC); ( ft - poorly grad			
9		8.7 to 8.0 ft,	.0 to 12.0 ft - s 9.6 to 9.7 ft, 9. o 11.7 ft - soft o			
11						

	BORI	NG LOG: S	B-36-3			
Ш	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
FACE		OTTE.	r iunt reut	PROJECT NO.:	_	
SURI		BORING NO.:	SB-36-3	BORING DATE:	12-Nov-2016	
N O N		METHOD:	Direct Push Te		2 & 7/8"	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)		16 ft BLS	GROUND EL.:		
(BLS])	cove	TOTAL DEPTH:			Not Surveyed	
IB III	Re	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1600 AMS Power	
(FEE		DRILLER:	Tim Baker and	Per RIG:	Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
OE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
	2.0	0.0 to 1.1 ft	- silty TOPSC	IL with will grad	ed gravel and	
1	3.6	gı	rass roots (OL	); black, gray, br	rown	Samples: SB-36-3-2.6-3.6
2						
		1.1 to 3.6 t	ft - SILT with s			
3			0			
4						
5———						
6———						
7———						
8———						
9———						
10-						
11						

	BORI	NG LOG: S	SR-36-4			
DEPTH (FEET BELOW LAND SURFACE [BLS])	BORI	SITE: BORING NO.:	Plant Kraft SB-36-4	LOCATION: PROJECT NO.: BORING DATE:	Port Wentworth, 0 — 12-Nov-2016	
O N	Ð	METHOD:	Direct Push Te		2 & 7/8"	
SI)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
[BLS])	ecov	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1630	
(FEET I	Œ	DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
HT4		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.1		silty SAND wit	IL with gravel (C h poorly graded dark brown, red	fine to medium	Samples: SB-36-0-1, GW-36-4 moist at 0.5 ft wet at 1.0 ft
3		1.0 to 3.1 f	t - poolry grad	saturated at 1.8 ft		
5	2.3	4.0 to 6.3 t	ft - soft silty CL			
7						
9	3.1			LAY with sand ( ded coarse SAN gray		
11—				SILT with organion ded coarse SAN gray		

	BORI	NG LOG: S	B-36-5			
Щ		SITE:	Plant Kraft	LOCATION:	Port Wentworth, C	
3FAC				PROJECT NO.:	_	
SUE		BORING NO.:	SB-36-5	BORING DATE:	12-Nov-2016	
ANG	( <del>L</del> )	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL [B	Зесо	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1330	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>P</b> er RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.5	0.0 to 0.5 ft		raded GRAVEL ck, gray, white	with silt (GW-	Samples: SB-36-5-2-3.5 GW-36-5
3			- poorly grade C); black, brov			
5	4	5.1 to 6.1 ft	- poorly grade - CLAY with pod d with gravel (0	wet at 4.0 ft		
7—————————————————————————————————————		6.1 to	8.0 ft - poorly	saturated at 6.2 ft		
9	4	8.0 to	12 ft - poorly			
11			10.2 to 10.4 ft	- CLAY (CL); gr	ray	

	BORI	NG LOG: S	B-36-6			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE:  BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:	Plant Kraft  SB-36-6  Direct Push Tec	GROUND EL.: plirSTART TIME:	Port Wentworth, 0 — 12-Nov-2016 2 & 7/8" Not Surveyed 1430 AMS Power Probe 9500-VTR	
DEРТН		LOGGER:		n REVIEWER:	Trent Godwin	COMMENTS
1	3.5	0.9 to 1.6 ft	- silty TOPSO gre - poorly grade CO); black, brow	moist at 1.6 ft Samples: SB-36-6-2-3.5		
3		2.3 to 3.2 f	well graded fi brow t - poorly grade SM); darl poorly graded	wet at 3.2 ft		
5	4		0	aded coarse SA range d coarse SAND	, ,,	saturated at 4.8 ft
7			7 ft - poorly grade			
9			- poorly grade to 8.6 ft - silty			
11—						

	BORI	NG LOG: S	B-36-9			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	BORING NO.: METHOD: TOTAL DEPTH: DRILLING CO.: DRILLER: LOGGER:	Plant Kraft  SB-36-9  Direct Push Ter  16 ft BLS  Atlas-Geo Sam  Tim Baker and	GROUND EL.: plirSTART TIME:	Port Wentworth, 0  14-Nov-2016 2 & 7/8"  Not Surveyed 1655  AMS Power Probe 9500-VTR Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.7		gravel (SM); ft - poorly grad	fine to medium s gray, tan, brow ed fine SAND (s n, orange	n	Samples: SB-36-9-0-1 wet at 1.0 ft saturated at 1.8 ft
3			- poorly grade dark ft - sandy SIL <sup>1</sup>			
5		2.7 t	- poorly grade dark o 3.2 ft - sand ft - soft silty C			
7						
9						
11————						

	BORII	NG LOG: S	B-36-14			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE: Plant Kraft LOCATION: Port Wentworth, 0 PROJECT NO.: —  BORING NO.: SB-36-14 BORING DATE: 12-Nov-2016  METHOD: Direct Push TechnBIT DIA.: 2 & 7/8"  TOTAL DEPTH: 16 ft BLS GROUND EL.: Not Surveyed  DRILLING CO.: Atlas-Geo Samplir START TIME: 730  DRILLER: Tim Baker and Per RIG: AMS Power Probe 9500-VTR  LOGGER: Michael Patinkin REVIEWER: Trent Godwin				
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.8		- well graded s gravel (SM ft - poorly grad gravel (SP);	Samples: SB-36-14-0-1.5 GW-36-14 moist at 1.3 ft		
3———			- poorly grade ta ft - poorly grad whit	wet at 4 ft		
5	3.8	6.3 ft to 7.8	poorly graded t B ft - poorly gra to 6.7 ft - sand	saturated at 5.8 ft		
7						
9	4	8.0 to 10.3 ft - poorly graded coarse SAND (SP); gray, black				
10				Y with sand (CL) green AY (CL); gray, b		

		BORING	LOG: SB-3	86-14 (Temp	oorary Well)	
DEPTH (FEET BELOW GROUND SURFACE [BGS])	WELL CONSTRUCTION DIAGRAM	BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:  LOGGER:	Plant Kraft  SB-36-14 (Temp Auger  20 ft BLS  Atlas-Geo Samp Tim Baker and I	LOCATION: PROJECT NO.: PROJECT NO.: BIT DIA.: GROUND EL.: DIII START TIME:	Port Wentworth, GA   8-Dec-2016  4"  Not Surveyed  1100  AMS Power Probe 9500-VTR  Stephen Wilson	COMMENTS
10		12 ft BLS 12 ft 14 ft E	- Slightly Clay t BLS - Sandy BLS - Soft clay	ey fine sand (S silt (ML); brown with some fine	arse (SW); gray SP); gray, dark brown n to dark brown e sand (CL); gray ; brown to dark brown	description started at 8 ft. BGS. Above soil already described in earlier DPT drilling  when augers were pulled were covered in a thick plastic clay. Not represented in logging
30			HS/	A boring termin top of s bento	g terminated @ 20.0 ft ated / bottom of well @ 2 screen @ 10.0 ft sand to 8.0 ft nite chips to 5.0 ft out to surface	2.00 ft

	BORI	NG LOG: S	B-37-1			
-ACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
) suri		BORING NO.:	SB-37-1	BORING DATE:	 12-Nov-2016	
ANI A	(#)	METHOD:	Direct Push Tec	hnBIT DIA.:	2 & 7/8"	
(BLSJ)	very	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL(	Recovery (ft)	DRILLING CO.:	Atlas-Geo Samp	olinSTART TIME:	1517	
DEPTH (FEET BELOW LAND SURFACE [BLS])	ш.	DRILLER:	Tim Baker and I	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinkii	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 1.0 ft -		th roots and gra gray	vel(OL); brown,	
1	3.5	1.0 to 3.5 ft -	poorly graded	I fine SAND with own, orange	n clay (SP-SC);	
2———						
3						
4						
5———						
6—						
7						
8						
9———						
10						
11						

	BORI	NG LOG: S	SB-37-2			
FACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SUR		BORING NO.:	SB-37-2	BORING DATE:	12-Nov-2016	
AND	(ft)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEIT.	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1515	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
H T H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	2.5			ded very fine SA ded fine SAND (		
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

	BOR	ING LOG: S	SB-37-3			
ш	DOR	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FAC				PROJECT NO.:	_	
SUR		BORING NO.:	SB-37-3	BORING DATE:	13-Nov-2016	
AND	£	METHOD:	Direct Push Ted	hnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BELC IBI	ecov	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	914	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Œ	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.9		t - well graded 0.4 to 0.8 ft - t - poorly grade (SP);			
2		2.5 to 2.7 f	t - well graded			
3-		2.7 to 2.9 ft	- poorly grade			
4		2.9 to 3.9 ft	- stiff sandy C			
5						
6						
7						
8						
9						
10						
11						

	B∩RI	NG LOG: S	B-37-4			
	BOK	SITE:		LOCATION	Don't Manteur alle (	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
A A				PROJECT NO.:	_	
S Q		BORING NO.:	SB-37-4	BORING DATE:	12-Nov-2016	
LA A	Œ	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Recc	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1415	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>Per</b> RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	COMMENTS		
1	3.7		well graded fi (SW); - poorly grade dark brow			
2						
		1.5 to 2.3 ft	- poorly grade			
		1.0 to 2.0 to	k			
3		2.3 to 3.7 ft - poorly graded medium to coarse SAND (SP);				
			gray, b			
4						
5						
6						
7						
·						
8						
<u></u>						
9———						
10-						
11						

	BORI	NG LOG: S	B-37-5			
ш	BOIL	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])				PROJECT NO.:	_	
SUR		BORING NO.:	SB-37-5	BORING DATE:	12-Nov-2016	
O N	æ	METHOD:	Direct Push Tee		2 & 7/8"	
([s	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
[BLS])	€COV€	DRILLING CO.:		olinSTART TIME:	911	
E H	ŭ				AMS Power	
- (FE		DRILLER:	Tim Baker and	PerRIG:	Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.9		ft - very fine S	very fine SAND AND with clay ( vn, black	(SP); white, tan SP-SC); tan,	
2		4.04	0.0.0			
			2.3 ft - mediun ft - very fine S			
3			brov			
		2.81	to 3.1 ft - WOC			
4						
5		3.1 to 3.9 t	ft - fine SAND	(SP); light gray,	brown, black	
6						
7———						
8						
9———						
10						
11						

	BORI	NG LOG: S	B-37-6			
	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE.	riant Krait	PROJECT NO.:	Port Wentworth, C	
URF					_	
0) Q		BORING NO.:	SB-37-6	BORING DATE:	12-Nov-2016	
Z LA	y (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
1 BB	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
D			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 1.3 - v		e to coarse claye	ey SAND (SC);	
1	3.8	1.3 to 2.2 ft	- poorly grade (SC); t			
2———						
-		2.2 to 3.8 ft	: - poorly grade			
3———			, prem, 9,			
4						
5						
6						
7						
8						
9						
10						
10						
44						
11	1					

	BORI	NG LOG: S	B-37-7			
	DOKI	SITE:	Plant Kraft	LOCATION	Dawk Warren at a	
ACE		SIIE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF				PROJECT NO.:	_	
S Q		BORING NO.:	SB-37-7	BORING DATE:	12-Nov-2016	
LAN	(#)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BE!	Recc	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1743	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>P</b> erRIG:	AMS Power Probe 9500-VTR	
РТН		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.7		well graded fir (SV) ft - poorly grad brov			
3			.5 ft - sandy Cl - poorly grade			
5						
7						
8 <del></del>						
9———						
10						
11						

	ROPI	NG LOG: S	B-37-8			
	l BOKI	SITE:		LOCATION	5 (34)	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
A A				PROJECT NO.:	_	
S		BORING NO.:	SB-37-8	BORING DATE:	12-Nov-2016	
Ž .	Œ	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BE L	Recc	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1448	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>Per</b> RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.6 ft	•	tine to coarse S	•	
		0.6 to 1.0 ft -		an, brown, black raded medium to		
1———	4	0.0 10 1.0 11		vn, tan, orange	0 000,00 07 11 12	
		1.0 to 1.8 ft -	poorly graded			
2———			black			
		404 406				
3———		1.8 to 4.0 ft	t - poorly grade			
		gray				
4						
5						
0						
6-						
_	1					
7						
-	1					
8						
9———	-					
10-						
11						

	RODIN	IG LOG: SI	2_37_ 10			
	DUKII			LOCATION	Doublikonton ii	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
A A				PROJECT NO.:	_	
S		BORING NO.:	SB-37- 10	BORING DATE:	12-Nov-2016	
LAN	/ (#)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1140	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
Ψ. Ή		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.4		well graded fi (SW); bla well graded fi	_		
		0.5 to	(SW); 0.9 ft - CLAY			
2		0.5 to	0.9 IL - CLAT			
		0.9 to 1.7 ft -	- well graded f			
3			poorly graded			
		brown				
4						
· 						
5						
3						
6						
	1					
7———	1					
8———						
	-					
9———						
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	BORII	NG LOG: S	B-37-11			
Ш	DOTA!	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])				PROJECT NO.:	_	
SUR		BORING NO.:	SB-37-11	BORING DATE:	12-Nov-2016	
Š	<u> </u>	METHOD:	Direct Push Ted		2 & 7/8"	
N LA	.⊽ (ft					
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
<u> </u>	æ	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1425	
(FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	COMMENTS		
		0.0 to 1.0 ft	-	IL with gravel a	nd roots (OL);	
	]	4.01-4.04		vn, black	ID 20	
1-	3.7	1.0 to 1.6 f		ed fine silty SAN rown, black	ID with gravei	
			1.6 to 1.9 ft - S			
2		404-05#				
		1.9 to 2.5 π -	poorly graded and gravel			
3———		2.5 to 3.7 ft -	silty clayey SA			
		black, gray				
4						
<u></u>						
5———						
6						
7———						
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9———						
10						
	]					
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	BORIN	NG LOG: SE	R-37-11R			
	BOKII	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
ACE		SITE.	Fidill Kidil	PROJECT NO.:	Port Wentworth, G	
SURF		PODING NO	00 07 440		4.5-1-0047	
ω Ω Ζ		BORING NO.:	SB-37-11B	BORING DATE:	1-Feb-2017	
_	y (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
H BE	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1125	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Jos	sepRIG:	Massey Ferguson Tractor	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
1	3.2		bropoorly graded	(OL) with roots a wn, black fine to medium own, tan, black	and grass; dark SAND with black	Sample: SB-37-11B-0-4
			I.2 to 1.5 ft - S t - poorly grade gray,	Moist at 2.0 ft		
3						
5 <u> </u>						

	BORIN	NG LOG: SI	B-37-12			
ACE	Borrin	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
SURF		BORING NO.:	SB-37-12	PROJECT NO.: BORING DATE:	— 12-Nov-2016	
AND	£)	METHOD:	Direct Push Tee		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BELC B	Reco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	907	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
EPT		LOGGER:	Michael Patinki		Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.8		(SW); t - poorly grad	fine to medium gray, black ed fine to mediu SP); orange, bla	m SAND with	
3			2.7 ft - mediun ft - fine SAND			
5						
6						
8						
9———						
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	BORIN	IG LOG: SI	B-37-13			
ACE	Boru	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
SURF		BORING NO.:	SB-37-13	PROJECT NO.: BORING DATE:	— 12-Nov-2016	
AND	£)	METHOD:	Direct Push Tee		2 & 7/8"	
(BLS))	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL(	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	805	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
EP T		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
ā			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.6	С	lay (SP-SC); o well graded fi	d medium to coa orange, brown, b ne to medium S olack, gray	lack	
3		2.4 to 3.6 ft	: - poorly grade			
5						
7———						
8———						
9						
11————						

	BORIN	NG LOG: SI	B-37-14			
ACE	201111	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SURE		BORING NO.:	SB-37-14	BORING DATE:	 12-Nov-2016	
AND	(#)	METHOD:	Direct Push Tee	:hnBIT DIA.:	2 & 7/8"	
(BLSJ)	very (	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL(	Recovery (ft)	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	745	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
HT H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.5	0.0 to 1.7 ft		fine to medium n, gray, orange	clayey SAND	
3			- poorly grade well graded fi (SW);			
5						
7						
8———						
9						
10						
11						

	BORIN	NG LOG: SI	B-37-15			
FACE	2011	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SUR		BORING NO.:	SB-37-15	BORING DATE:	12-Nov-2016	
AND	(#)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1740	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and		AMS Power Probe 9500-VTR	
Ë T		LOGGER:	Michael Patinki		Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	2.7	0.9 to 1.8	brov ft - poorly grad	ed very fine SAI wn, white led medium to c (SC); brown, gra	oarse clayey	
3		1.8 to 2.7 ft	: - poorly grade			
5						
7						
8						
9						
10—————————————————————————————————————						

	BORII	NG LOG: S	B-37-16			
	BOKII	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE:	Plant Kraft		Port Wentworth, C	
R H				PROJECT NO.:	_	
S Q		BORING NO.:	SB-37-16	BORING DATE:	12-Nov-2016	
L P	(#)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL FB	Recc	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1130	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>Per</b> RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1—————————————————————————————————————	3.5	0.2 to 0.4 ft - 0.4 to 0.7 ft - 0.7 to 3.0 ft 3.0 to 3.3 ft	gravel (SP); to poorly graded poorly graded gravel ( - poorly graded - slightly sand brow- poorly graded		on (SP); white, tan silty SAND with  D (SP); black, vel (ML); dark	
11						

	BORING LOG: SB-37-17									
W.		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0					
IRFA				PROJECT NO.:	_					
ns a		BORING NO.:	SB-37-17	BORING DATE:	12-Nov-2016					
LAN	(ft)	METHOD:	Direct Push Tec	chnBIT DIA.:	2 & 7/8"					
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed					
T BEI	Rec	DRILLING CO.:	Atlas-Geo Samı	olinSTART TIME:						
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR					
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin					
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS				
1		0.6 to 0.7	gravel ( ft - poorly gra	ine to medium s (SM); brown ded SAND (SP) fine to coarse S	; tan, brown					
3			2 to 2.5 ft - sai poorly graded b							
5—————————————————————————————————————										
6-										
7										
8										
10—										
11										

	BORII	NG LOG: S	B-37-18			
ш	20.11	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])				PROJECT NO.:	_	
SUR		BORING NO.:	SB-37-18	BORING DATE:	12-Nov-2016	
ONA	Ð	METHOD:	Direct Push Te		2 & 7/8"	
W L⁄	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
(BLS])	эсоле	DRILLING CO.:		plinSTART TIME:	1140	
ET B	ž				AMS Power	
I (FE		DRILLER:	Tim Baker and	Per RIG:	Probe 9500-VTR	
HT H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.5 ft		fine to medium s	silty SAND with	
1	3.3	0.5 to 0.6		(SM); brown led medium SAI	VD with trace	
	3.3	0.5 to 0.6	gravel (S			
2		0.6 to	1.3 ft - CLAY			
		1.3 to 3.3 ft	- poorly grade			
3-			ł			
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4						
5						
6						
7						
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9———						
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11————						

	BORII	NG LOG: S	B-36-19			
DEPTH (FEET BELOW LAND SURFACE [BLS])	BOKII	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
ns o		BORING NO.:	SB-36-19	BORING DATE:	12-Nov-2016	
LAN	(ff)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
l BEL	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1423	
H (FEE)		DRILLER:	Tim Baker and		AMS Power Probe 9500-VTR	
EPT		LOGGER:		n REVIEWER:	Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.9		ft - poorly grad 0.4 to 0.6 ft - si well graded fir gravel (SC);			
3			poorly graded tan, or poorly graded gra			
5						
6						
7						
8———						
9						
10						
11						

	BORIN	NG LOG: SI	B-37-20			
FACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SUR		BORING NO.:	SB-37-20	BORING DATE:	12-Nov-2016	
AND	(#)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL.	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	905	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	<b>Per</b> RIG:	AMS Power Probe 9500-VTR	
EP T		LOGGER:	Michael Patinki		Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.2		(SW); ft - silty SAND	fine to medium gray, black with trace grave, black, tan		
3			t - very fine sill 2.7 to 3.0 ft - S			
5		3.0 to 3.2 ft -		I coarse GRAVE ck, gray	EL (GP); brown,	
6						
7						
8						
9———						
10-						
11						

	R∩PI	NG LOG: S	R_37_22					
	I BUKI							
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, C			
URF				PROJECT NO.:	_			
D S(		BORING NO.:	SB-37-22	BORING DATE:	12-Nov-2016			
LAN	Œ	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"			
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed			
BEL FB	Zecc	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	737			
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR			
Ŧ		LOGGER:	Michael Patink	in REVIEWER:	Trent Godwin			
DEF			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS		
		0.0 to 0.4 f	_	fine to medium	clayey SAND			
		0.4 to 0.8 ft.		orown, gray d fine SAND (SF	2): brown gray			
1———	3.5	0.4 10 0.0 11		black	), brown, gray,			
		0.8 to 2.0 ft -	silty CLAY wi					
2———				black				
		2.0 to 2.8 ft - sandy CLAY with roots (CL); brown, gray,						
3								
-		2.8 to 3.5 ft - clayey SAND (SC); gray, brown, white						
4								
5								
0								
6-								
7								
-	1							
8———		†						
9———								
10		1						
11								

	BORII	NG LOG: SI	B-37-23			
111	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		OTTE.	r lant Krait	PROJECT NO.:	i oit wentworth, c	
SURF		DODING NO	00.07.00		40 Nov. 2046	
Ω Σ		BORING NO.:	SB-37-23	BORING DATE:	12-Nov-2016	
	y (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1730	
		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H )		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEP			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.5	ft - poorly grad	led medium to c	oarse clayey	
		S	AND with grav	el (SC); brown,	gray	
1———	2.9	0.5 to 0.8 f	ft - poorly grad			
		0.8 to 1.	brov 3 ft - silty SAN			
2———		0.0 10 1.				
		1.3 to	o 1.5 ft - CLAY			
3			poorly graded			
			orange			
4						
5						
6						
0						
/	1					
8———						
9———						
	-					
10-						
11						

	BORII	NG LOG: SI	B-37-24			
111	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE.	riant Krait	PROJECT NO.:	Port Wentworth, C	
URF					_	
0) Q	_	BORING NO.:	SB-37-24	BORING DATE:	12-Nov-2016	
C LA	y (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
1 BB	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1445	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
O			LITHOLOGIC	COMMENTS		
1—————————————————————————————————————	3.3	0.4 to 3.1 ft -	(SP); blac well graded fii ora	k, gray, brown	AND with gravel ND (SW); white,	
7						
0						
0-						
9						
10						
11						

	BORII	NG LOG: SI	B-37-25			
111	201(11	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		OTTE.	T lunc to unc	PROJECT NO.:	_	
SURI		BORING NO.:	SB-37-25	BORING DATE:	12-Nov-2016	
N O S					2 & 7/8"	
V LA	Recovery (ft)	METHOD:	Direct Push Tee			
(BLS])	cove	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H:	A A	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1445	
(FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
HL		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1—————————————————————————————————————	3.4	trace da 0.5 to 3.1 ft 3.1 to	ark black grave - well graded 3.2 ft - sandy	fine to medium sel (SM); black, g fine to coarse S. CLAY (CL); brod coarse SAND	ray, brown AND (SW); tan wn, gray	
10						

	BORIN	NG LOG: SI	B-37-26			
	וואסמ	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE:	Plant Krant		Port Wentworth, C	
J. C. R. F.				PROJECT NO.:	_	
0 0		BORING NO.:	SB-37-26	BORING DATE:	12-Nov-2016	
LA C	y (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
7 BE	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1135	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.7 ft -	sandy SILT w	ith grass roots a	and trace gravel	
1	3.3		(OL); brow	n, black, orange		
' 	3.3	0.7 to 1.3 ft -	well graded f			
2						
2		1.3 to to3.3	ft - poorly grad			
3			tan, w			
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4						
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5						
-						
6———						
7———						
8						
9———						
10						
11————						

	BORII	NG LOG: SI	R-37-27			
	BURII	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE:	Plant Kraft		Port Wentworth, C	
URF				PROJECT NO.:	_	
S O		BORING NO.:	SB-37-27	BORING DATE:	12-Nov-2016	
LAN	y (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
r be	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1420	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
P T T		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.4	with s	silty fine sand well graded fi	edium to cobble (GW); gray, blac ne to medium si nite, brown		
3			poorly graded t - sandy soft C			
4		0.0 10 0.1 11		(02), 5.01	, roa, orango	
5						
6						
7						
8						
- -						
9						
10						
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	BORII	NG LOG: SI	B-37-28			
Ш	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		OTTE.	T Idill Titlati	PROJECT NO.:	_	
SURI		BORING NO.:	SB-37-28	BORING DATE:	12-Nov-2016	
O N					2 & 7/8"	
V LA	Recovery (ft)	METHOD:	Direct Push Tee			
(BLS])	cove	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H:	A A	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	900	
(FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	COMMENTS		
1	2.8	0.0 to 0.7 ft -		ne to medium S/ wn, gray, black	AND with gravel	
3			well graded me sand and cla			
4						
5 <del></del>						
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11						
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	BOR!	NG LOG: SI	R_37_20			
	וואטם	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE:	Plant Kraft		Port Wentworth, C	
URF				PROJECT NO.:	_	
S O		BORING NO.:	SB-37-29	BORING DATE:	12-Nov-2016	
LAN	y (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
r be	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	800	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
2	2.7	0.3 to 1.2 ft -	(SW); brown well graded m with fine sand t - well graded	ne to medium SA, gray, blackblacedium to cobble (GW); white, grafine to medium brown, gray,	sized GRAVEL ay,	
4		1.5 to 2.7 ft -		Y (CL); dark bro	wn, gray, black	
5—————————————————————————————————————						
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9						
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	BORII	NG LOG: S	B-37-30		_	
111	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
FACE		OTTE.	T lunc retail	PROJECT NO.:	_	
SURI		BORING NO.:	SB-37-30	BORING DATE:	12-Nov-2016	
N O S		METHOD:	Direct Push Te		2 & 7/8"	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)		16 ft BLS	GROUND EL.:		
(BLS])	cove	TOTAL DEPTH:			Not Surveyed	
B T	Re	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	735 AMS Power	
(FEE		DRILLER:	Tim Baker and	Per RIG:	Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.5 ft -			AND with gravel	
	2.0	0.5 to 1.0		brown, gray	ND with trops	
1	3.2			led medium SA <mark>l</mark> (SP); brown, da		
			g			
2						
		1.2 to 3.2 ft -	poorly graded			
3		1.8 to 2.0 ft	white, and 2.5 to 2.6			
-		1.0 to 2.0 it	and 2.5 to 2.0			
4						
5———						
6———						
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8———						
<u> </u>						
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11						

	BORII	NG LOG: SI	B-37-31			
	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
-ACE		OTTE.	r lant Krait	PROJECT NO.:	i ort wentworth, c	
SURF		DODING NO	00.07.04		40 Nove 2046	
DEPTH (FEET BELOW LAND SURFACE [BLS])		BORING NO.:	SB-37-31	BORING DATE:	12-Nov-2016	
_	у (ft)	METHOD:	Direct Push Ted		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1130	
		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
H )		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEP			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1—————————————————————————————————————	2.9	0.6 to 1.6 to 1.8 ft 1.8 to 2.0 f	(SW); bla 0.4 to 0.6 ft - Si ft - poorly grace gravel (SI - sandy GRAN tt - poorly grace gravel (SF	ne to medium S/ck, white, gray LT (ML); dark b led medium SAl P); tan, brown, /EL with silty (G gray led medium SAl P); tan, brown, coarse SAND (	lack ND with trace P-GM); black,	
11						

	BOR	ING LOG:	SB-38			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE: Plant Kraft LOCATION: Port Wentworth, C PROJECT NO.: —  BORING NO.: SB-38 BORING DATE: 15-Nov-2016  METHOD: Direct Push TechnBIT DIA.: 2 & 7/8"  TOTAL DEPTH: 12 ft BLS GROUND EL.: Not Surveyed  DRILLING CO.: Atlas-Geo Samplir START TIME: 945  DRILLER: Tim Baker and PerRIG: AMS Power Probe 9500-VTR  LOGGER: Michael Patinkin REVIEWER: Trent Godwin				
ö			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.7	coars	- well graded e gravel (SM); ft - poorly grad o	PID: 0-1.3 ft: 0.1 ppm PID: 1.3-2.6 ft: 0.2 ppm PID 2.6-3.7 ft: 0.1 ppm Samples: SB-38-1.3-1.2 GW-38		
3-		2.8 to 3.3	ft - poorly grad orar ft - poorly grad c ft - poorly grad	moist @ 2.0 ft		
5————	4	4.0 to 6.0 f	t - poorly grad gr	wet @ 4.6 ft saturated @ 5.6 ft		
7			poorly graded - silty poorly g			
9	4	* Drillers unable to open plastic sleave. Cutter blade was breaking on coarse sand grains				
11-						

	BORI	NG LOG: S	R-43-1			
	BORI	SITE:	Plant Kraft	LOCATION:	Dank March	
ACE		SIIE:	Plant Kraft		Port Wentworth, 0	
R H				PROJECT NO.:	_	
S Q		BORING NO.:	SB-43-1	BORING DATE:	12-Nov-2016	
LA A	(#)	METHOD:	Direct Push Ted	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Recc	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1520	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>P</b> erRIG:	AMS Power Probe 9500-VTR	
P T H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
OE			LITHOLOGIC	COMMENTS		
1	3.5		trace roots t - poorly grad	ed very fine to fir (SP); tan, white ed fine silty SAN gray, black		
3			poorly graded gray, br poorly grade tan			
5						
7						
8						
9						
10						
11						

	BORI	NG LOG: S	SB-44-1			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:  LOGGER:	Tim Baker and	GROUND EL.:  DIInSTART TIME:  PerRIG:	Port Wentworth, 0  10-Nov-2016 2 & 7/8" Not Surveyed 1620 AMS Power Probe 9500-VTR Trent Godwin	COMMENTS
1	3.2		bro	oorly graded fine wn, gray ne SAND with c gray, black	e fill SAND (SP); lay (SM-SC);	
3		1.9 to 3.2 ft -	poorly graded			
5 <del></del>						
7						
9						
10						

	<b>P</b> ∩PI	NG LOG: S	P 44 2			
	DURI	1		LOCATION	D-41M- 4	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF				PROJECT NO.:	_	
D S(		BORING NO.:	SB-44-2	BORING DATE:	10-Nov-2016	
LAN	(ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Seco	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1630	
DEPTH (FEET BELOW LAND SURFACE [BLS])	<u></u>	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEI			LITHOLOGIC	COMMENTS		
1—————————————————————————————————————	2.7	0.3 to 1.3 silty gravely	bro ft - silty very fi brown, poorly graded	wn, gray ne SAND with c gray, black fine fill SAND (S	SP); brown, gray	
3		1.3 to 2.7		ded coarse SAN vn, white	ND (SP); tan,	
5 <del></del> 6						
7						
9						
11————						

	BOR	ING LOG: S	SB-44-3			
ш	DOR	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FACI				PROJECT NO.:	_	
SUR		BORING NO.:	SB-44-3	BORING DATE:	10-Nov-2016	
AND	æ	METHOD:	Direct Push Ted		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BLC	ecov	DRILLING CO.:		olinSTART TIME:	1600	
DEPTH (FEET BELOW LAND SURFACE [BLS])	α.	DRILLER:	Tim Baker and		AMS Power Probe	
TT.		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.2		bro ft - silty very fi	oorly graded find wn, grey ne SAND with c gray, black	e fill SAND (SP); lay (SM- SC);	
3		2.4 to 3.3 ft -	poorly graded			
5						
6						
7						
8						
9———						
10						
11————						

	BORI	NG LOG: S	B-44-4			
DEPTH (FEET BELOW LAND SURFACE [BLS])		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, C	
ns c		BORING NO.:	SB-44-4	BORING DATE:	10-Nov-2016	
LANI	(#	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEI.	Recc	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1610	
H (FEET	_	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
Ö			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3	0.0 to 0.9 ft - poorly graded fine to medium SAND (SP); tan 0.9 to 3.0 ft - poorly graded coarse SAND (SP); tan, brown, white				
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						

	PODI	NG LOG: S	P 44 5			
	DUKI	1		LOCATION	David Maria di	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
J.R.				PROJECT NO.:	_	
D SI		BORING NO.:	SB-44-5	BORING DATE:	12-Nov-2016	
LA	(#)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEL B	Seco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1525	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
Ŧ		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEI			LITHOLOGIC	COMMENTS		
1	3.3 ft		bro ft - silty very fi	oorly graded fine wn, grey ne SAND with cl gray, black	e fill SAND (SP); ay (SM- SC);	
3		1.1 to 3.3 ft -	poorly graded			
5 <del></del>						
7						
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0				_	_	
_						
9———						
10-						
11						

	BORI	NG LOG: S	SB-44-6			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Bott	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
ıns c		BORING NO.:	SB-44-6	BORING DATE:	10-Nov-2016	
ANE	(ft)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEI.	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1510	
H (FEET		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
ā			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.3	0.3 to 1.8 ft -	poorly graded poorly graded - very fine clay ith wet pebble	wet @1.8 ft		
3		1.9 to 3.3 ft -	poorly graded			
5						
7						
9————						
11————						

	BORI	NG LOG: S	R-44-7			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:  LOGGER:	Plant Kraft  SB-44-7  Direct Push Ter  4 ft BLS  Atlas-Geo Sam  Tim Baker and	GROUND EL.: plinSTART TIME:	Port Wentworth, 0   10-Nov-2016  2 & 7/8"  Not Surveyed  1430  AMS Power  Probe 9500-VTR  Trent Godwin	
OEP			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.4		ft - silty gravely (SF o 1.5 ft - very f			
3		1.5 to 3.4 ft -	poorly graded			
5						
7						
9						
11————						

	BORII	NG LOG: S	B-44-7B			
ш	<u> </u>	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FACI				PROJECT NO.:	_	
SUR		BORING NO.:	SB-44-7B	BORING DATE:	1-Feb-2017	
ON	Ð	METHOD:	Direct Push Ted		2 & 7/8"	
M (€	Recovery (ft)	TOTAL DEPTH:	Direct i usii ret	4 GROUND EL.:	Not Surveyed	
[BLS])	SCOV6	DRILLING CO.:	Atlan Con Same	DIIrSTART TIME:	1615	
DEPTH (FEET BELOW LAND SURFACE [BLS])	, å	DRILLER:	Sammy and Jos		Massey Ferguson Tractor	
) 上		LOGGER:	Forrest Hward	REVIEWER:	Trent Godwin	
DEP				AL DESCRIPTIO		COMMENTS
	3.5	0.0 to 0.4		nded coarse SAI SILT (ML); Blad		Sample: SB-44-7B-0.6-1.6
2————			1.0 to 1.6 ft - S	SILT (ML); dark ç	gray	
3		1.6 to 3.5 ft -		I medium to coa prown, tan	rse SAND (SP);	
4						
5 <u> </u>						

	BORII	NG LOG: S	B-44-7N			
, CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
JRFA				PROJECT NO.:	_	
D Sr		BORING NO.:	SB-44-7N	BORING DATE:	1-Feb-2017	
LAN	Œ	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
L BEI	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1625	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Jo	sepRIG:	Massey Ferguson Tractor	
HT d.		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
1	3.3			VEL with silt (GM black Γ (ML); dark gra		No Sample
		1.3 to 2.2 ft -	· poorly gradeo wl			
3		2.2 to 3.3 ft -		d medium to coa brown, tan	rse SAND (SP);	
4						
5 <u> </u>						

	BORII	NG LOG: SI	R-44-7W			
	BOKII	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
ACE		SITE:	Plant Krant		Port Wentworth, G	
URF				PROJECT NO.:	_	
ω Ω		BORING NO.:	SB-44-7W	BORING DATE:	1-Feb-2017	
, LA	V (ff)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
7 BE	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1605	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Jo	sepRIG:	Massey Ferguson Tractor	
H H		LOGGER:	Forrest Howard	REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	CAL DESCRIPTIO	N	COMMENTS
1	3.7	0.7 to 1.0	ft - silty SANE	SAND (SM); brown with clay (SM); parse poorly gradered, brown		No Sample
3						
4						
5						

	P∩DI	NG LOG: S	D 11 0			
	BURI	1		LOCATION	Doub Monton	
ACE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
URF				PROJECT NO.:	_	
S O		BORING NO.:	SB-44-8	BORING DATE:	10-Nov-2016	
LAN	(f)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
BEI F	Recc	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1440	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEI			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.2	0.0 to 0.3 ft -	poorly graded	fine to medium	SAND (SP); tan	
3		0.3 to 3.2 ft -	poorly graded			
5						
7						
9———						
10-						
11						

	BORI	NG LOG: S	SR-45-1			
	DOM	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
ACE		SITE.	Pidiit Kidit	PROJECT NO.:	Port Wentworth, C	
URF		DODING NO	00.45.4		_	
ο Ω Σ		BORING NO.:	SB-45-1	BORING DATE:	11-Nov-2016	
) < LA	у (ft)	METHOD:	Direct Push Te		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
H H H	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	810	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
HTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.3	0.0 to 0.4 sili		ed SAND with g y, brown	ravel and roots;	Samples: SB-45-1-0-1
3———		0.4 to 3.3 ft -	poorly graded			
4-						
5						
6						
7						
·						
8						
0						
0						
9						
40						
10						
11						

	BORI	NG LOG: S	R-45-2			
	DOIN	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		OITE.	riant Krait	PROJECT NO.:	r of t wentworth, c	
SURI		BORING NO.:	SB-45-2	BORING DATE:	 11-Nov-2016	
N. O.						
∨ LA	ry (ft	METHOD:	Direct Push Te		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed	
T:	Rec	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	800	
(FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
ТН		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.3	0.0 to 0.4 fi		ed fine to mediu SP); gray, tan	m SAND with	Samples: SB-45-2-0-1
3		0.4 to 2.9 ft -	poorly graded			
5						
6						
7						
8						
9———						
10-						
11						

	BORI	NG LOG: S	B-45-3			
DEPTH (FEET BELOW LAND SURFACE [BLS])		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SUS C		BORING NO.:	SB-45-3	BORING DATE:	11-Nov-2016	
ANE	(#)	METHOD:	Direct Push Te	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	12 ft BLS	GROUND EL.:	Not Surveyed	
BEI.	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	1540	
H (FEET		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
1	3.3		- organic detr ft - poorly grad gravel (SI	Samples: SB-45-3-0-1		
3		2.0 to 3.3 ft -	poorly graded			
5————	3	4.0 to 7.0	ft - poorly gra brown,	wet @ 6.5 ft		
7						
9	3.5	8.0 to 9.7 ft -	poorly graded	saturated @ 8 ft		
10—————————————————————————————————————		9.7 t	o 11.5 ft - fat 0	CLAY (CH); gray	, brown	

	BORI	NG LOG: S	SB-45-4			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE:  BORING NO.:  METHOD:  TOTAL DEPTH:	Plant Kraft  SB-45-4  Direct Push Te	LOCATION: PROJECT NO.: BORING DATE: ChnBIT DIA.: GROUND EL.:	Port Wentworth, 0 — 11-Nov-2016 2 & 7/8" Not Surveyed	
ОЕРТН (FEET BELC	Recov	DRILLING CO.: DRILLER: LOGGER:	Tim Baker and	plinSTART TIME:  PerRIG:  n REVIEWER:  AL DESCRIPTIO	1450 AMS Power Probe 9500-VTR Trent Godwin	COMMENTS
1	3.2		ft - poorly grad	irus (roots, grassed fine to mediu		Samples: SB-45-4-0-1
3		0.7 to 3.2 ft -	poorly graded			
5	3.3	4.0 to 7.4		ded coarse SAN vn, white	ND (SP); tan,	wet @ 6.2 ft
7						
9						
11						

	BORI	NG LOG: S	SB-46-1			
9.		SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
RFAC				PROJECT NO.:	_	
Ins c		BORING NO.:	SB-46-1	BORING DATE:	11-Nov-2016	
ANF	Œ	METHOD:	Direct Push Te	chi BIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	SB-46-1	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL(	\eco\	DRILLING CO.:	Atlas-Geo Sam	pli START TIME:	935	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	Pe RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patink	in REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
		0.0 to 0.6 ft		/EL with concre gray	te (GW); white,	PID: 0-1 ft: 1.5 ppm
1	3.2	0.6 to 3.2 ft	- poorly grade	ed coarse SANI nite, tan	O (SP); brown,	PID: 1-2 ft: 2.2 ppm Samples: SB-46-1-1-2
2———						
	•					DID 0 0 0 % 4 0
3———						PID: 2-3.2 ft: 1.6 ppm
4						
5						
6						
7						
8						
9 ———						
10 ———						
11 —						

	BORI	NG LOG: S	SR-46-2			
	BOR	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FACE		SITE.	Fidill Kidit	PROJECT NO.:	Fort Wentworth, G	
SURF		DODING NO	OD 40 0			
ω Ω Σ	_	BORING NO.:	SB-46-2	BORING DATE:	10-Nov-2016	
, LA	y (ft)	METHOD:	Direct Push Tec		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
1 BE	Rec	DRILLING CO.:	Atlas-Geo Samp	linSTART TIME:	1650	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and F	erRIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinkir	REVIEWER:	Trent Godwin	
DE			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.5		poorly graded	aded fine SANE coarse SAND ( gray	) (SP); gray SP); brown, tan,	PID: 0-1 ft: 1.1 ppm PID: 1-2.6 ft: 0.8ppm Samples:SB-46-2-0-1
3						PID: 2.5-3.5 ft: 10.9 ppm
5	3.5	4.0 to 7.5 ft -		coarse SAND ( gray	SP); brown, tan,	
7						
9	3	8.0 to 10.0 ft		l coarse SAND gray	(SP); brown, tan,	
10—————————————————————————————————————		10.0 to	) 11.0 ft - CLA\	′ (CL); brown, g	ray, black	

	ROP!	NG LOG: S	R-16-3			
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE:  BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:	Plant Kraft  SB-46-3  Direct Push Tec	GROUND EL.: plirSTART TIME:	Port Wentworth, 0 — 11-Nov-2016 2 & 7/8" Not Surveyed 1020 AMS Power Probe 9500-VTR	
ОЕРТН		LOGGER:		n REVIEWER:	Trent Godwin	COMMENTS
1	3.3		roots, grass ( poorly graded	ed silty fine SAN (SM); black, whi coarse SAND ( white		PID: 0-1 ft: 1.2 ppm PID: 1-2 ft: 3.0 ppm
3						PID: 2-3.3 ft: 3.0 ppm
5————						
7						
9						
11-						

	BORI	NG LOG: S	SB-46-4			
DEPTH (FEET BELOW LAND SURFACE [BLS])	-	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
S		BORING NO.:	SB-46-4	BORING DATE:	11-Nov-2016	
, LAN	y (ft)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
H H H	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	845	
H (FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
EPT		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
۵			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.5		- poorly grade gray, b poorly graded	PID: 0-1 ft: 1.5 ppm PID: 1-2 ft: 1.6 ppm Samples:SB-46-2-0-1		
3			to 2.4 ft - fat C poorly graded	PID: 2-3.5 ft: 0.8 ppm		
5————	3.8	4.0 to 7.8 ft -		coarse SAND (i te, gray	SP); brown, tan,	
7						wet at 6.1 ft
9	4	8.0 to 10.3 ft - poorly graded coarse SAND (SP); gray				Samples: GW-46-4-8-12 GW-DUP-3
11				ayey SILT (ML); CLAY (CH); brow		

	BOR	ING LOG:	SB-47			
FACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, C	
SUR		BORING NO.:	SB-47	BORING DATE:	12-Nov-2016	
AND	( <del>L</del>	METHOD:	Direct Push Tec		2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BELC	Zeco,	DRILLING CO.:	Atlas-Geo Samı	olinSTART TIME:	1415	
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Tim Baker and	PerRIG:	AMS Power Probe 9500-VTR	
표		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
<u> </u>			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.8	0.6 to 2.8 f	(SM t - poorly grade	d silty SAND wi ); brown ed coarse SANE SP); brown, tan,	) with isolated	PID: 0-1.5 ft: 1.0 ppm PID: 1.5-2.8 ft: 1.9 ppm
3						
4						
5	3.5			ed coarse SANE SP); brown, tan,		PID: 4-5 ft: 2.3 ppm PID: 5-6 ft: 1.9 ppm Samples: SB-47-4-5 Samples: SW-47-4-5
6						
7						PID: 6-7.5 ft: 3.0 ppm wet at 6 ft
8						
9	4			ed coarse SAND SP); brown, tan,		PID: 8-9 ft: 2.3 ppm PID: 9-10 ft: 3.0 ppm
10				ly SILT (ML); bla LAY (CH); brow		PID: 10-11 ft: 3.0 PID: 11-12 ft: 3.7

	BOR	ING LOG:	SB-49			
111	ВОП	SITE:	Plant Kraft	LOCATION:	Port Wentworth, 0	
DEPTH (FEET BELOW LAND SURFACE [BLS])		0112.	T lunc to unc	PROJECT NO.:	_	
SURI		BORING NO.:	SB-49	BORING DATE:	 1-Nov-2016	
Ω Q						
Λ LA	ν (ft)	METHOD:	Direct Push Tee		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	8 ft BLS	GROUND EL.:	Not Surveyed	
H. F.	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	1200	
		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
H .		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	2.7	toots a	and trace grave poorly grade	ine to medium Sel (SW-SM); brod d medium SANI ge, gray	wn, gray	PID: 0-1.3 ft: 0.0 ppm PID: 1.3-2.7 ft: 10.0 ppm PID 4.0-5.0 ft: 0.0 ppm Samples: SB-49-1.3-2.7
3			- poorly graded clay (SP-SC); I	strong odor in 1.3 to 2.7 ft		
5	2.6	4.8 to 5.1 ft -	poorly graded gray, b poorly graded	rown, white	gray rse SAND (SP); SP); gray, black	wet @ 5.2 ft
7		6. ´	1 to 6.2 ft - gra			
10						
11						

	BOR	ING LOG: S	SB-50-1			
111	BOR	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FACE		OTTE.	r iunt reut	PROJECT NO.:	_	
SURI		BORING NO.:	SB-50-1	BORING DATE:	1-Feb-2017	
N O N	· ·	METHOD:	Direct Push Tee		2 & 7/8"	
% L^ 3])	Recovery (ft)		Direct Pusit Ter			
[BLS])	cove	TOTAL DEPTH:		4 GROUND EL.:	Not Surveyed	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Re	DRILLING CO.: DRILLER:	Sammy and Jos	plinSTART TIME:	1000 Massey Ferguson	
王 王		LOGGER:	Michael Patinki	n REVIEWER:	Tractor Trent Godwin	
DEP'		EGGGEIN.		CAL DESCRIPTIO		COMMENTS
						JOHNWEIT 10
		0.0 to 0.3 ff		ed fine to mediu	m SAND (SP);	
	3.3	0.3 to 0.9 ft		nite, tan ed fine SAND wit	th silt (SP-SM):	No sample collected
				ck, brown	,,	
1						
2						
		0.9 to 3.3 ft		ed fine to medun	n clayey SAND	
			(SC); bi	rown, orange		
3						
4						
5						

		BORI	NG LOG: SB-50-2		
н		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
₹FAC				PROJECT NO.:	_
SUF		BORING NO.:	SB-50-2	BORING DATE:	1-Feb-2017
AND	Œ.	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	8 ft BLS	GROUND EL.:	Not Surveyed
BEL(	Seco	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1020
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor
H Td.		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTION	N	COMMENTS
1		0.0 to 1.3 - p	poorly graded fine to medum (SP-SM); brown, black	SAND with silt	
2———	2.7	1.3 to 2.2 t	ft - poorly graded medum to (SP); brown, tan	coarse SAND	
3		2.2 t	o 2.7 ft - ASH FILL (ML); gra	y, black	Moist at 2.0 ft
5	4	4.0 to 6	3.5 ft - ASH FILL (ML); black	, gray, tan	Sample: SB-50-2-4-5 Wet at 4.0 ft
			o 7.0 ft - clayey SILT (ML); ta - sandy CLAY (CL); gray, tar		Bottom of borehole at 8 feet

Γ		BORI	NG LOG: SB-50-3		
CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
IRFA				PROJECT NO.:	_
ns c		BORING NO.:	SB-50-3	BORING DATE:	1-Feb-2017
N A	(ft)	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed
BE (BE)	Reco	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1045
DEPTH (FEET BELOW LAND SURFACE [BLS])	ш.	DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor
H H		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTION	N	COMMENTS
	2.8		- SILT (OL) with roots and g brown t - ASH FILL (ML); dark brov		Sample: SB-50-3-0.5-1.1
2	2.0	1.1 to 2.8 ft	- poorly graded fine clayey S orange, gray		
3 4 5			Bottom of borehole	at 4 feet	

		BORI	NG LOG: SB-50-4		
CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
RFA				PROJECT NO.:	-
ns c		BORING NO.:	SB-50-4	BORING DATE:	1-Feb-2017
Z Y	Œ	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
[BLS])	Recovery (ft)	TOTAL DEPTH:	4 ft BLS	GROUND EL.:	Not Surveyed
[B]	(eco)	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1105
DEPTH (FEET BELOW LAND SURFACE [BLS])	Ľ.	DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor
PTH		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTION	)N	COMMENTS
		0.0 to 0.7 ft	- SILT (OL) with roots and gr brown, black	rass; gray, dark	
2	3.4	0.7 to 3.1 fi	t - ASH FILL (ML); gray, darl	k brown, black	Moist at 2.2 ft Wet at 2.5 ft Saturated at 2.7 ft Sample: SB-50-4-2-3
4		3.1 to 3.3 - p	poorly graded fine SAND with tan, orange, gray	n clay (SP-SC);	
5			Bottom of borehole	at 4 feet	

	BORI	NG LOG: S	B-51-1			
RFACE		SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, C	
SUE		BORING NO.:	SB-51-1	BORING DATE:	14-Nov-2016	
ANE	(#)	METHOD:	Direct Push Tee	chnBIT DIA.:	2 & 7/8"	
(BLSJ)	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BEL	Reco	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	740	
DEPTH (FEET BELOW LAND SURFACE [BLS])	_	DRILLER:	Tim Baker and	<b>Per</b> RIG:	AMS Power Probe 9500-VTR	
H H		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
<u> </u>			LITHOLOGIC	AL DESCRIPTION	N	COMMENTS
		0.0 to 0.4 ft -	silty top soil (C	DL) with grass a tan	nd roots; brown,	Sample: SB-51-1-0-2
2	2.8	0.4 to 1.0 ft -	. , ,	fine clayey SAN rown, gray	ND (SC); brown,	Sample: SB-51-1-2-6
3		1.0 to 2.8 f	-	clay (CL); brown gray	, orange, red,	Sample: SB-51-1-6-10
5	3.7	5.7 to 5.9ft	- poorly graine tar	y (CL); brown, o d fine clayey sa n, black y (CL); green, gi		Wet @ 5.8 ft
7		6.3 to 7.7 ft	- poorly graded gra			
9	3.7	8.9 to 9.7 ft -	gra well graded fi	d medium to coa y, black ne to medium clas; black, green, g	ayey sand (SC)	
10		9.7-11.7 ft		IL) with wood ch vel; black	nips and trace	

	BORI	NG LOG: S	B-51-2			
DEPTH (FEET BELOW LAND SURFACE [BLS])		SITE:	Plant Kraft	LOCATION:	Port Wentworth, C	
URF				PROJECT NO.:	_	
S		BORING NO.:	SB-51-2	BORING DATE:	14-Nov-2016	
/ LAr	y (ft)	METHOD:	Direct Push Tec		2 & 7/8"	
[BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
T BE	Rec	DRILLING CO.:	Atlas-Geo Sam	olinSTART TIME:	820	
(FEE		DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
PTH		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
DE				AL DESCRIPTIO		COMMENTS
		0.0 to 0.6 ft -	silty top soil (C	DL) with grass ai tan	nd roots; brown,	
1	2.7	0.6 to 1.5 ft -			ND (SC); brown,	Samples: SB-51-2-0-2 Samples: SB-DUP-3
-			- well graded r	medium to coars	, ,	
2				ravel_course to fine clavey SAN	COBBLE ND (SC); brown,	
			dark b			
3					range, red, gray	
		2.6 to 2.71	. , ,	ed very fine SAI prown	ND (SP); tan,	
4						
5———	3.8	4.0 to 7.8	ft - sandy CLA	Y (CL); green, (	gray, tan, red	Sample: SB-51-2-2-6 Sample: SB-DUP-4 wet @ 5.7 ft
6-						
7-						
0						
			•	Y (CL); green, o		
0	3.7	8.4 to 9.1 ft -		medium to coa y, black	rse SAND (SP);	Sample: SB-51-2-6-10 not
	J.1	9.1 to 10.6 ft	- clayey SILT	y, black (ML) with wood  ravel	chips and trace	collected (saturated)
10						
11		10.6 to 11.7		ided medium to gray,black	coarse SAND	

	BORI	NG LOG: S	SB-51-3			
FACE	2011	SITE:	Plant Kraft	LOCATION: PROJECT NO.:	Port Wentworth, 0	
SURI		BORING NO.:	SB-51-3	BORING DATE:	 14-Nov-2016	
AND	(£	METHOD:	Direct Push Te		2 & 7/8"	
(BLS))	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BELC	Zeco,	DRILLING CO.:	Atlas-Geo Sam	plinSTART TIME:	850	
DEPTH (FEET BELOW LAND SURFACE [BLS])	<u></u>	DRILLER:	Tim Baker and	Per RIG:	AMS Power Probe 9500-VTR	
EPT		LOGGER:	Michael Patinki	n REVIEWER:	Trent Godwin	
۵				AL DESCRIPTIO		COMMENTS
1	2.7		grass and r 0.9 to 1.0 ft - - poorly grade	I (OL) with SAN oots; brown, tan SILT; gray, black fine clayey SA dark brown, gra	ck AND (SC) with	Sample: SB-51-3-0-2 Sample: SB-51-3-2-6 SB-DUP-5
3		1.7 to 2.7 ft	- stiff sandy C	LAY (CL); browi gray	n, orange, red,	
5	3.7			LAY (CL); browi gray \Y (CL); green, (	-	wet @5.6 ft Sample: SB-51-3-6-10 not collected (saturated)
7		7.5 to 7.7 ft -		medium to coa y, black	rse SAND (SP);	
9	3.8	gray, blacl clayey SA	k 9.4 to 10.0 ft AND (SC) with	- well graded fir wood chips and	trace gravel	
11————		10.6 to 11.3	SM); brov 3 ft - poorly gra ta	rn, green, gray ded fine silty SAn, gray	, ,	

	BORI	NG LOG: S	SB-51-4			
ш	<u> </u>	SITE:	Plant Kraft	LOCATION:	Port Wentworth, G	
FAC				PROJECT NO.:	_	
SUR		BORING NO.:	SB-51-4	BORING DATE:	14-Nov-2016	
ΩNδ	æ	METHOD:	Direct Push Tec		2 & 7/8"	
(BLS])	Recovery (ft)	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed	
BLC	ACOV.	DRILLING CO.:	Atlas-Geo Sam		925	
DEPTH (FEET BELOW LAND SURFACE [BLS])	Δ.	DRILLER:	Tim Baker and I		AMS Power Probe	
H		LOGGER:	Michael Patinkii	REVIEWER:	Trent Godwin	
DEF			LITHOLOGIC	AL DESCRIPTIO	N	COMMENTS
1	3.2	graded 0.5 to 1.0	- poorly grade fine sand, grad ft - poorly grad gravel (SP	Samples: SB-51-4-0-2		
3		2.2 to 2.6 ft -	tar poorly graded I - stiff sandy C	, brown	O (SM); orange,  ND (SC); orange,  n, orange, red,	Samples: SB-51-4-2-6
5	3.6	4.0 to	7.6 ft - sandy	CLAY (CL); gra	y, tan, red	GWT difficult to identify due to clay
7						Samples: SB-51-4-6-10
9	4	8.0 to	10.2 ft - sandy	CLAY (CL); gra	y, tan, red	saturated at 10.2 ft
10—————————————————————————————————————			gra	I medium to coa y, black T (ML); green, t	arse SAND (SP);	

		BORI	NG LOG: SB-51-5		
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	BORING NO.:  METHOD:  TOTAL DEPTH:  DRILLING CO.:  DRILLER:  LOGGER:	Plant Kraft  SB-51-5  Direct Push Technology  12 ft BLS	Port Wentworth, GA  14-Nov-2016 2 & 7/8"  Not Surveyed 1010  AMS Power Probe 9500-VTR  Trent Godwin	
Di			LITHOLOGICAL DESCRIPTION	N	COMMENTS
1	2.9	0.6 to 1.3	t - silty top soil with sand, cla (OL); brown, tan Bft - poorly graded fine silty sorange, tan, brown, gray to 2.6 ft - ASH FILL (ML); da	Sample: SB-51-5-0-2	
3	2.3	2.6 to 2.9	ft - poorly graded fine clayey orange, brown	Sample: SB-51-5-2-6	
5	3.5		ft - poorly graded fine clayey orange, brown t - sandy CLAY (CL); green,	, ,	
7	0.0	6.8 to 7.5 ft -	poorly graded fine clayey S <i>i</i> tan, black	Wet at ~7 ft Sample: SB-51-5-6-8	
9	3.7	8.5 to 9.5 ft	poorly graded fine clayey Sotan, black - well graded fine to medium (SC); black, green, gray - clayey SILT (ML) with trace	clayey SAND	Saturated at 8.5 ft
11 —			- well graded fine to medium (SW-SM); brown, green, gra 11.7 ft - clayey SILT (ML); d	ay	Bottom of borehole at 12 ft

		BORI	NG LOG: SB-51-6		
J.		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
₹FA(				PROJECT NO.:	-
SUR		BORING NO.:	SB-51-6	BORING DATE:	14-Nov-2016
AND	(ft)	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
[BLS])	very	TOTAL DEPTH:	12 ft BLS	GROUND EL.:	Not Surveyed
BEL(	Recovery (ft)	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1035
DEPTH (FEET BELOW LAND SURFACE [BLS])	ш.	DRILLER:	Tim Baker and Penny Whitaker	RIG:	AMS Power Probe 9500-VTR
H H		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTIO	N	COMMENTS
1	3.3	0.3 to 1.5 ft	poorly graded fine SAND w (SP); gray, brown poorly graded fine SAND w (SP); black, orange to 2.9 ft - ASH FILL (ML); da	ith black gravel	Sample: SB-51-6-0-2
3	3.3	2.9 to 3.3 ft -	stiff sandy CLAY (CL); brow gray	<i>I</i> n, orange, red,	Sample: SB-51-6-2-6
5—————————————————————————————————————	3.2	4.0 to 7.2 f	t - sandy CLAY (CL); green,	gray, tan, red	Sample: SB-51-6-6-8
9		8.4 to 9.3 f	it - sandy CLAY (CL); green e it - loose silty CLAY with grav - sandy CLAY (CL); gray, ta	vel (CL); gray	GWT difficult to identify due to clay
11	4	10.1 to 11.3	- well graded fine to medium (SW-SM); brown, green, gra ft - sandy CLAY (CL); green ft - poorly graded medium to (SP); gray, black	ay , gray, tan, red	Bottom of borehole at 12 ft

		BORI	NG LOG: SB-51-7		
SE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
₹FAC				PROJECT NO.:	-
SUR		BORING NO.:	SB-51-7	BORING DATE:	14-Nov-2016
AND	(ft)	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
(BLSJ)	very (	TOTAL DEPTH:	16 ft BLS	GROUND EL.:	Not Surveyed
BEL(	Recovery (ft)	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1110
DEPTH (FEET BELOW LAND SURFACE [BLS])	ш	DRILLER:	Tim Baker and Penny Whitaker	RIG:	AMS Power Probe 9500-VTR
H H		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTIO	N	COMMENTS
1	3.7	graded f 0.4 to 0.7 ft	4 ft - poorly graded GRAVEL ine sand, sand, roots (GM); g - poory graded very fine SAN roots (SP); orange, tan, rec poorly graded fine SAND with brown, gray, tan	gray, brown ID with gravel,	Sample: SB-51-7-0-2
3		1.8 to 3	3.7 ft - sandy ASH FILL (ML);	dark gray	Sample: SB-51-7-2-6
5	3.6		.6 ft - sandy ASH FILL (ML); ft - sandy CLAY (CL); green,		Sample: SB-51-7-6-9 GWT difficult to identify due to clay
9	3.5		t - sandy CLAY (CL); green, ft - soft sandy fat CLAY (CH) black, red		Saturated at 9.6 ft
11			ft - poorly graded medium to (SP); gray, black .5 ft - poorly graded fine silty green, black		Bottom of borehole at 12 ft

		BORII	NG LOG: SB-51-7B				
4CE		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA		
JRF/				PROJECT NO.:	-		
D SI		BORING NO.:	SB-51-7B	BORING DATE:	1-Feb-2017		
N N	(ft)	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"		
[BLS])	Recovery (ft)	TOTAL DEPTH:		GROUND EL.:	Not Surveyed		
al BEI	Reco	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1325		
DEPTH (FEET BELOW LAND SURFACE [BLS])		DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor		
TH.		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin		
DE			LITHOLOGICAL DESCRIPTION	N	COMMENTS		
1			- poorly graded fine clayey S roots, and grass; dark browr				
2	3.5			Moist at 1.0 ft			
3		1.5†	to 3.5 ft - ASH FILL (ML); da	rk gray	Sample: SB-51-7B-2-3 Wet at 2.3 ft		
				Saturated at 3.0 ft			
5			Bottom of borehole at 4 feet				

		BORI	NG LOG: SB-51-8		
Ж		SITE:	Plant Kraft	LOCATION:	Port Wentworth, GA
₹FAC				PROJECT NO.:	_
SUF		BORING NO.:	SB-51-8	BORING DATE:	1-Feb-2017
AND	( <del>L</del>	METHOD:	Direct Push Technology	BIT DIA.:	2 & 7/8"
(BLS))	Recovery (ft)	TOTAL DEPTH:	8 ft BLS	GROUND EL.:	Not Surveyed
BELC [BL	ecov	DRILLING CO.:	Atlas-Geo Sampling Company	START TIME:	1305
DEPTH (FEET BELOW LAND SURFACE [BLS])	Œ.	DRILLER:	Sammy and Joseph	RIG:	Massey Ferguson Tractor
PTH		LOGGER:	Michael Patinkin	REVIEWER:	Trent Godwin
DE			LITHOLOGICAL DESCRIPTION	DN	COMMENTS
1		0.0 to 0.8	ft - sandy SILT with GRAVE grass;	EL (OL) roots,	
	3.8	0.8 to 1.4 ft -	poorly graded fine to mediu (SC); dark brown, gray, ta		Moist at 1.0 ft
3		1.4 to 3	i.8 ft - ASH FILL (ML); dark (	gray, black	Wet at 2.0 ft Saturated at 2.5 ft
5	2.9	4.0 to	ગ 4.8 ft - sandy CLAY (CL); દ્	gray, tan	
		4.8 to 6	.9 ft - fat CLAY (CH); gray, t	an, orange	Bottom of borehole at 8 feet

BORING LOG: SB-51-9					
DEPTH (FEET BELOW LAND SURFACE [BLS])	Recovery (ft)	SITE: Plant Kraft LOCATION: PROJECT NO.:		Port Wentworth, GA  1-Feb-2017 2 & 7/8" Not Surveyed 1335 Massey Ferguson	
9) НТ		LOGGER:	Michael Patinkin	REVIEWER:	Tractor Trent Godwin
DEF			LITHOLOGICAL DESCRIPTION	ON	COMMENTS
1		0.0 to 1.4 f	ít - poorly graded silty SAND black, tan	(SM); brown,	
3	3.6	1.41	1.4 to 3.6 ft - ASH FILL (ML); dark gray		Moist at 1.5 ft  Wet at 2.0 ft Saturated at 2.5 ft
4	4.0	4.01	to 5.3 ft - ASH FILL (ML); da	ırk gray	
5 <del></del>			oft - sandy CLAY (CL); gray, .0 ft - fat CLAY (CH); gray, t		Bottom of borehole at 8 feet

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BORING NUMBER PLB-1
PAGE 1 OF 1

	CLIEN	<b>NT</b> _G	eorgia	Power Company	PROJECT NAME Plant Kraft		
	PROJECT NUMBER					1	
- 1	DATE STARTED 2/27/18 COMPLETED 2/27/18  DRILLING CONTRACTOR Atlas Geo-sampling						
- 1							
- 1				DPT			
- 1	LOGGED BY Kevin Stephenson CHECKED BY						
- 1							
-							
	, DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCR	IPTION	WELL DIAGRAM	
ŀ	0	1. N. 1/2	0.5	Brown Topsoil	17.5		
ŀ	-		\	(SP) Tan PG WS Fine Sand			
-	-						
-	-		3.0	Croy Ash	15.0		
اح	-		4.0	Gray Ash	14.0		
S.GP	5		5.0	(CL) Red Brown Clay	13.0		
SING				(SC) Tan Brown Clayey Sand			
BOE			7.0		11.0		
101				(CL) Tan Brown Clay			
KING	-						
PAR	- 10						
AFI	10		11.0		7.0		
SIKR		/////	12.0	(SP) Tan Brown PG WS Fine Sand	•		
라		<u> </u>	12.0	Bottom of borehole at	6.0 t 12.0 feet.		
GINT							
4FT\(							
Υ K K							
LAN							
RS/P							
NDE							
N SA							
TMA							
ROU							
TS/T							
SUEC							
:\PR(							
5 - X							
09:4							
0/18							
- 5/1							
GD1							
LAB							
SD G							
T STI							
N.S							
ΈW							
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.IPROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ							

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BORING NUMBER PLB-2
PAGE 1 OF 1

CLIE	NT G	eorgia Power Company	PROJECT NAME Plant Kraft				
PRC	JECT N	NUMBER	PROJECT LOCATION Port Wentworh, GA	PROJECT LOCATION Port Wentworh, GA  GROUND ELEVATION 16 ft NAVD 88 HOLE SIZE 4 inches			
		CONTRACTOR Atlas Geo-sampling					
		METHOD DPT					
		Y Kevin Stephenson CHECKED BY					
ı		- North Geopholisch					
		T					
DEPTH	GRAPHIC LOG	MATER	RIAL DESCRIPTION	WELL DIAGRAM			
	GR _						
	7/ 1/2		15.5				
ŀ		(SP) Tan PG WS Fine Sand					
-	+						
-	$\exists$						
ᇍ	+						
5	-	5.5	10.5				
N N	-///	(SC) Red brown Clayey Sand					
M L		7.0 (CL) Brown Clay	9.0				
NG-	-////						
ARKI	- /////	9.0 (CL) Gray Tan Modeled Sandy Clay	7.0				
10	- /////						
SKR/		11.0 (CH) Gray Fat Clay	5.0				
計	-////						
TN C		13.0 (SC) Gray Tan Clayey Sand	3.0				
AFT.	-///						
<u>₹</u> 15	////	15.0 (SP) Gray Orange PG WS Fine Sand	1.0				
		16.0	of borehole at 16.0 feet.				
ERS							
AND							
NAN NAN							
∑ TT							
S/TRO							
ECT							
PROJ							
×							
09:45							
0/18							
- 5/1							
TGD1							
SIAE							
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09.45 - X.;PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ							
NT S.							
<u></u>							
WELL							
PLE							
SIM							

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BORING NUMBER PLB-3
PAGE 1 OF 1

Atlas Geo-sampling  DRILLING METHOD DPT  LOGGED BY Kevin Stephenson CHECKED BY  NOTES  MATERIAL DESCRIPT  (SP) Brown Tan PG WS Fine Sand  2.0  Gray Ash  6.0  (SW) Tan Medium Sand	AT TIME OF DRILLING AT END OF DRILLING AFTER DRILLING	
(SP) Brown Tan PG WS Fine Sand  2.0  Gray Ash  6.0  (SW) Tan Medium Sand	9.0	LL DIAGRAM
(SP) Brown Tan PG WS Fine Sand  2.0  Gray Ash  6.0  (SW) Tan Medium Sand  (CH) Gray Clay		
Gray Ash  6.0  (SW) Tan Medium Sand  (CH) Gray Clay		
5 6.0 (SW) Tan Medium Sand	5.0	
6.0 (SW) Tan Medium Sand	5.0	
(SW) Tan Medium Sand	5.0	
(CH) Gray Clay		
(CH) Gray Clay		
	2.0	
11.0	0.0	
12.0 (CL) Gray Sandy Clay	-1.0	

PROJECT NUMBER

SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ

DRILLING METHOD DPT

CLIENT Georgia Power Company

Resolute Environmental & Water Resources Consulting, LLC

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Telephone: (678) 398-9942

DATE STARTED 2/27/18 COMPLETED 2/27/18

DRILLING CONTRACTOR Atlas Geo-sampling

LOGGED BY Kevin Stephenson CHECKED BY

**BORING NUMBER PLB-4** 

PROJECT NAME Plant Kraft	
PROJECT LOCATION Port Wentworh, G	iA
GROUND ELEVATION _11 ft NAVD 88   F	HOLE SIZE 4 inches
GROUND WATER LEVELS:	
AT TIME OF DRILLING	

AT END OF DRILLING \_---

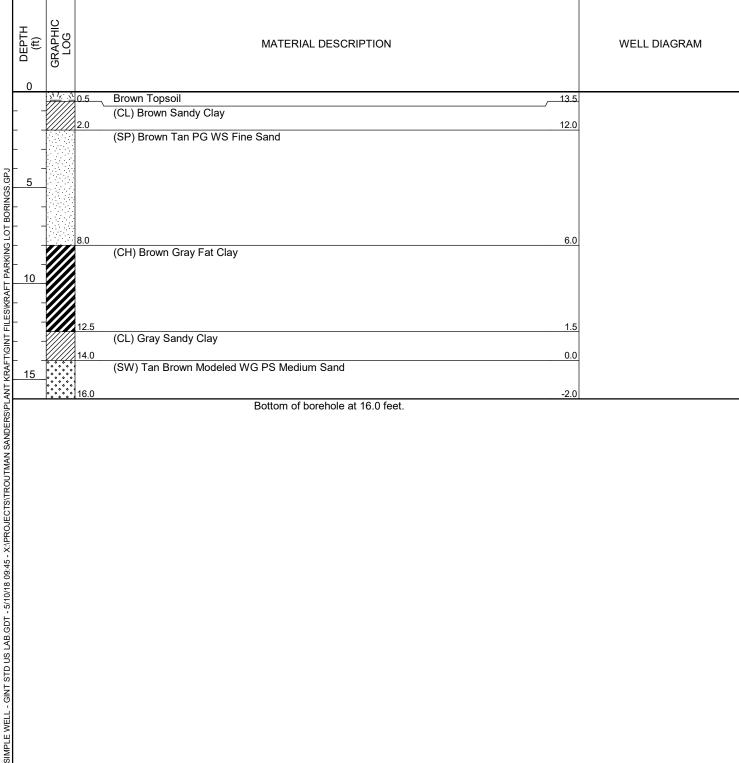
NOTES AFTER DRILLING \_---MATERIAL DESCRIPTION WELL DIAGRAM Brown Topsoil 10.5 (SC) Brown Clayey Sand 9.0 (SP) Tan Brown PG WS Fine Sand 5 (CH) Tan Clay (SC) Tan Gray Clayey Sand (CL) Brown Tan Modeled Clay -1.0 (SC) Gray Clayey Sand -2.0 (SP) Gray PG WS Fine Sand -4.0 (SW) Gray Brown Modeled WG PS Medium Sand -5.0 Bottom of borehole at 16.0 feet.

**BORING NUMBER PLB-5** 

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CLIENT Georgia Power Company	PROJECT NAME Plant Kraft			
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA			
DATE STARTED         2/27/18         COMPLETED         2/27/18	GROUND ELEVATION 14 ft NAVD 88 HOLE SIZE 4 inches			
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:			
DRILLING METHOD DPT	AT TIME OF DRILLING			
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING			
NOTES	AFTER DRILLING			



PROJECT NUMBER

NOTES

DRILLING METHOD DPT

CLIENT Georgia Power Company

Resolute Environmental & Water Resources Consulting, LLC

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Woodstock, GA 301888 Telephone: (678) 398-9942

DRILLING CONTRACTOR Atlas Geo-sampling

LOGGED BY Kevin Stephenson CHECKED BY

(CL) Gray Sandy Clay

(SC) Gray Clayey Sand

(CH) Gray Fat Clay

(SP) Gray PG WS Fine Sand

BORING NUMBER PLB-6
PAGE 1 OF 1

PROJECT NAME	Plant Kraft	
PROJECT LOCAT	ON Port Wentworh, GA	

DATE STARTED 2/27/18 COMPLETED 2/27/18 GROUND ELEVATION 12 ft NAVD 88 HOLE SIZE 4 inches

GROUND WATER LEVELS:

AFTER DRILLING \_---

AT TIME OF DRILLING \_--AT END OF DRILLING \_---

3.0

2.0

1.0

0.0

MATERIAL DESCRIPTION

WELL DIAGRAM

MATERIAL DESCRIPTION

WELL DIAGRAM

11.5

(SC) Tan Brown Clayey Sand

2.0

Gray Ash

6.0

7.0

(SC) Gray Clayey Sand

5.0

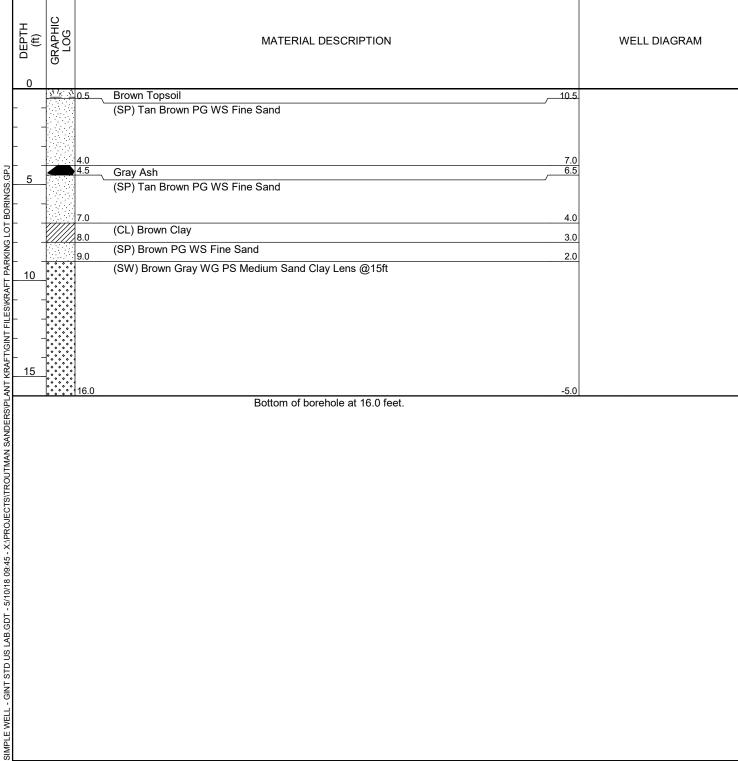
Bottom of borehole at 12.0 feet.

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BORING NUMBER PLB-7
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft			
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA			
DATE STARTED _2/27/18 COMPLETED _2/27/18	GROUND ELEVATION _11 ft NAVD 88 HOLE SIZE _4 inches			
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:			
DRILLING METHOD DPT	AT TIME OF DRILLING			
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING			
NOTES	AFTER DRILLING			



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**BORING NUMBER PLB-8** 

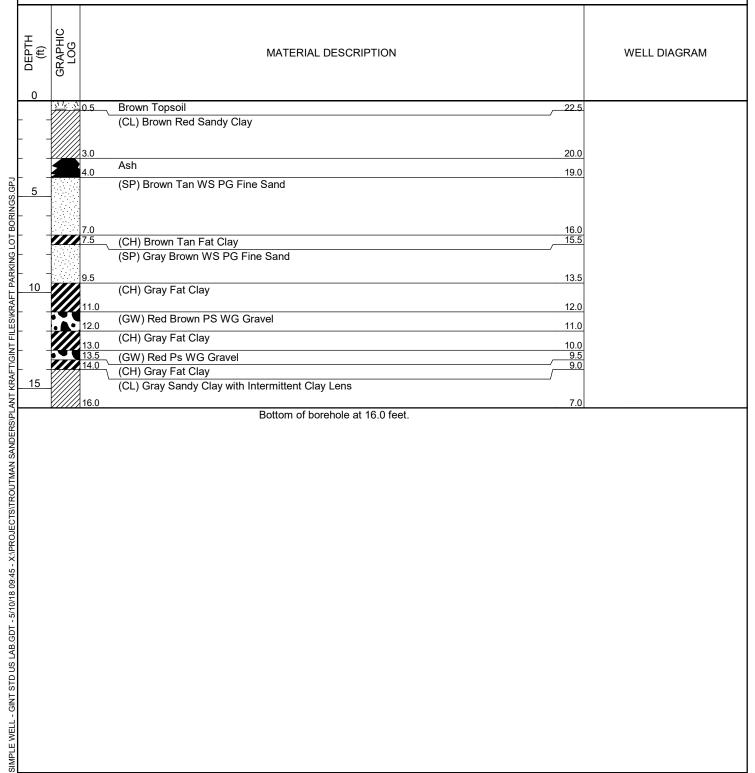
PAGE 1 OF 1

_		PROJECT NAME Plant Krait			
		PROJECT LOCATION Port Wentworh, GA  GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches			
		RILLING MET			
	Kevin Stephenson CHECKED BY				
OIE3		AFTER DRILLING			
(ft) GRAPHIC LOG	MATERIAL DESC	CRIPTION	WELL DIAGRAM		
0 <u>x 1/2 x 1</u>	Brown Topsoil	20.0			
	(CL) Brown Red Sandy Clay	20.0			
*///\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
3.0	Gray Ash	18.0			
5 5.0	(SP) Tan Brown WS PG Fine Sand	16.0			
	(OI ) TAIL DIOWIT WO FO FILLE SAILU				
7.0		14.0			
8.0		13.0			
	(CH) Gray Brown Fat Clay				
10					
11.0		10.0			
1// 12.0	(SC) Brown Gray Clavey Sand	9.0			

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Woodstock, GA 301888 Telephone: (678) 398-9942 **BORING NUMBER PLB-9** PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft			
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA			
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 23 ft NAVD 88 HOLE SIZE 4 inches			
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:			
DRILLING METHOD DPT	AT TIME OF DRILLING			
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING			
NOTES	AFTER DRILLING			



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BORING NUMBER PLB-10
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft			
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA			
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 23 ft NAVD 88 HOLE SIZE 4 inches			
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:			
DRILLING METHOD DPT	AT TIME OF DRILLING			
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING			
NOTES	AFTER DRILLING			

	O DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIPTION		WELL DIAGRAM
		<b>X</b>		(GW) Gray Brown WG PS Gravel		
	 			(SP) Tan Brown PG WS Fine Sand		
GP.	5		5.0	11	8.0	
NG LOT BORINGS	 			(CL) Brown Tan Sandy Clay		
\RKI			9.0	(CH) Croy Est Cloy	4.0	
ES\KRAFT PA	10		12.0	(CH) Gray Fat Clay	1.0	
ΗH				(CL) Brown Gray Sandy Clay		
NGIN	_		14.0		9.0	
RAFI	 _ 15	/////	15.0	(SP) Brown Gray PG WS Fine Sand	8.0	
NT		****	16.0	(SW) Brown Gray WG PS Medium Sand	7.0	
\PLA		0 0 0 0	10.0	Bottom of borehole at 16.0 feet.	7.0	
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ				Bottom of porenoie at 16.0 feet.		

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PAGE 1 OF 1

CLIENT Georgia Power Company PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA PROJECT NUMBER DATE STARTED 2/28/18 COMPLETED 2/28/18 GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS: DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY \_\_\_\_\_ AT END OF DRILLING \_---NOTES AFTER DRILLING \_---GRAPHIC LOG MATERIAL DESCRIPTION WELL DIAGRAM (GW) Gray Brown WG PS Gravel 20.5 (SP) Tan PG WS Fine Sand Ash (SC) Brown Clayey Sand 16.5 16.0 (SP) Brown Gray PG WS Fine Sand. Refusal at 6ft. 15.0

Refusal at 6.0 feet.
Bottom of borehole at 6.0 feet.

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BORING NUMBER PLB-12
PAGE 1 OF 1

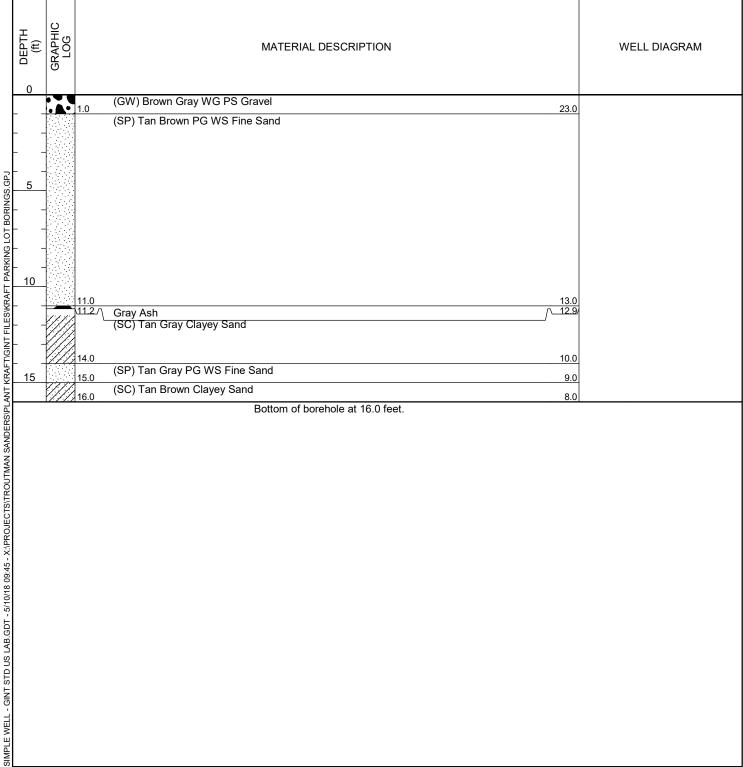
TE STARTED ELLING CONTI ELLING METHO EGGED BY <u>Ke</u>	COMPLETED _2/28/18	GROUND ELEVATION 20 ft NAVD 88 F GROUND WATER LEVELS: AT TIME OF DRILLING AT END OF DRILLING AFTER DRILLING	HOLE SIZE 4 inches
EILLING CONTI	RACTOR Atlas Geo-sampling DD DPT vin Stephenson CHECKED BY  MATERIAL DES  (GW) Gray Brown WG PS Gravel	GROUND WATER LEVELS:  AT TIME OF DRILLING  AT END OF DRILLING  AFTER DRILLING	
CHAPTION (#)  CH	OD _DPT vin Stephenson	AT TIME OF DRILLING AT END OF DRILLING AFTER DRILLING	
OCCUPANTIC (#)  OTES  OTES  (#)  OTES  OTES	MATERIAL DES  (GW) Gray Brown WG PS Gravel	AT END OF DRILLING AFTER DRILLING	
OTES (ff) CRAPHIC LOG	MATERIAL DES (GW) Gray Brown WG PS Gravel	AT END OF DRILLING AFTER DRILLING	
(ft) GRAPHIC LOG	MATERIAL DES (GW) Gray Brown WG PS Gravel		
(ft) GRAPHIC LOG	MATERIAL DES (GW) Gray Brown WG PS Gravel		
	(GW) Gray Brown WG PS Gravel	CRIPTION	WELL DIAGRAM
	(GW) Gray Brown WG PS Gravel	CRIPTION	WELL DIAGRAM
2.0	(CL) Brown Tan Sandy Clay		
		18.0	0
	(,,,		
- 4/////			
5_////			
6.0	(SP) Tan Brown PG WS Fine Sand	14.	<u>o </u>
7.0		13.	<u>0</u>
	(SC) Gray Brown Clayey Sand		
9.0	(01)	11.	0
0 //// 10.0		(CL) Brown Gray Sandy Clay	
	(SC) Brown Gray Clayey Sand		
12.0		8.	0
	(SW) Gray Brown WG PS Medium Sand		
14.0		6.	0
5 ///	(SC) Brown Tan Gray Clayey Sand		
16.0		4.	
1. /. / // / 1. 0.10	Bottom of borehole		

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# **BORING NUMBER PLB-13**

PAGE 1 OF 1

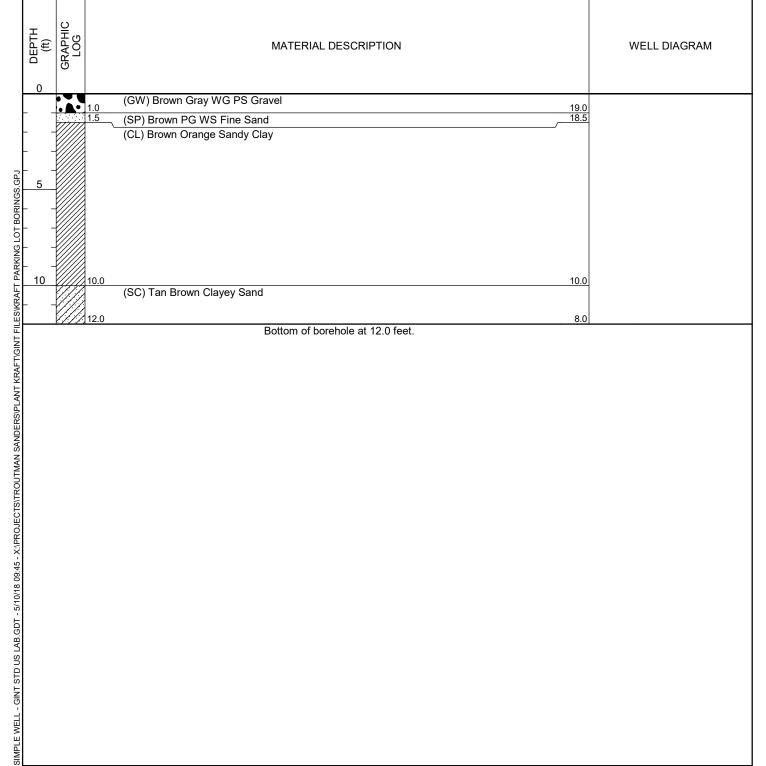
CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 24 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING



BORING NUMBER PLB-14

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CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
<b>DATE STARTED</b> 2/28/18 <b>COMPLETED</b> 2/28/18	GROUND ELEVATION 20 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING



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BORING NUMBER PLB-15
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft		
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA	GROUND ELEVATION 20 ft NAVD 88 HOLE SIZE 4 inches	
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:		
DRILLING METHOD DPT	AT TIME OF DRILLING		
LOGGED BY Kevin Stephenson CHECKED BY			
NOTES	AFTER DRILLING		
GRAPHIC CRAPHIC COG MATERIAL DE	SCRIPTION	WELL DIAGRAM	
0 (GW) Gray WG PS Gravel			
(CL) Brown Red Sandy Clay	19.0		
- (OL) Brown Nea Gardy Glay			
F -{////			
4.0 (SP) Tan Gray PG WS Fine Sand	16.0		
10  11.0  11.3  (SP) Tan Gray PG WS Fine Sand  (12.0  (SP) Tan Gray PG WS Fine Sand  (SC) Tan Gray PG WS Fine Sand  (SC) Tan Gray Clayey Sand  (CH) Gray Fat Clay  15.0  (CL) Gray Sandy Clay  16.0  (SW) Tan Gray WG PS Medium Sand  Bottom of boreho	15.0		
(CE) Fair Ned Gray Modeled Garidy Gray			
10			
11.0	9.0		
11.3 \ Ash 12.0 \ (SP) Tan Gray PG WS Fine Sand	8.8		
12.5 (SC) Tan Gray PG WS Fine Sand (SC) Tan Gray Clayey Sand	7.5		
13.5 (CH) Gray Fat Clay	6.5		
15 (CL) Gray Sandy Clay	5.0		
(SW) Tan Gray WG PS Medium Sand	4.0		
Bottom of boreho	ole at 16.0 feet.		

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(CH) Gray Clay

(CL) Gray Sandy Clay

**BORING NUMBER PLB-16** 

10.0

9.0

8.0

CLIENT Georgia Power Company PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA PROJECT NUMBER DATE STARTED 2/28/18 COMPLETED 2/28/18 GROUND ELEVATION 20 ft NAVD 88 HOLE SIZE 4 inches DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS: DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY \_\_\_\_\_ AT END OF DRILLING \_---NOTES AFTER DRILLING \_---MATERIAL DESCRIPTION WELL DIAGRAM (GW) Gray WG PS Gravel (CL) Brown Orange Gray Modeled Sandy Clay SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ

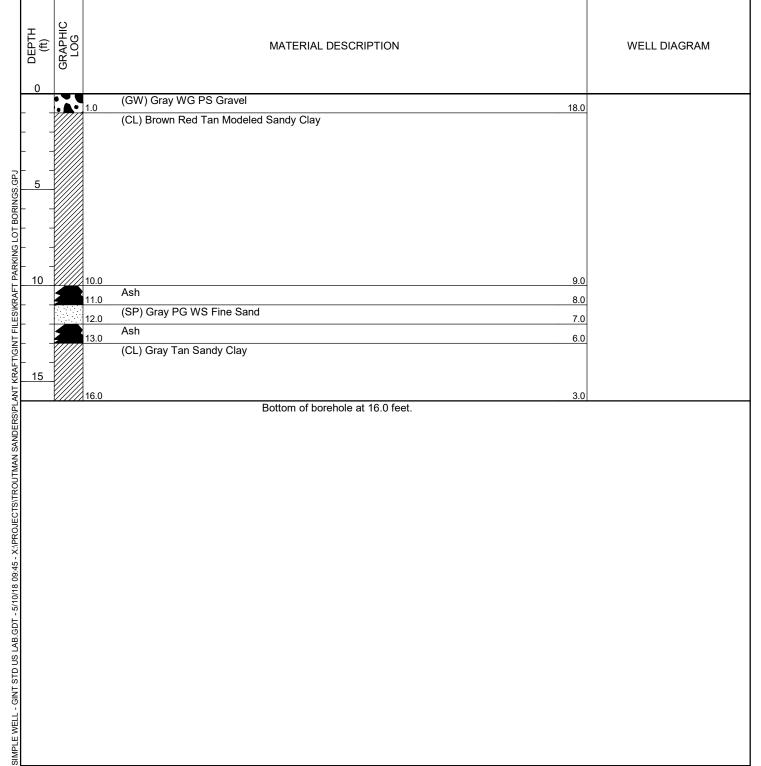
Bottom of borehole at 12.0 feet.

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# **BORING NUMBER PLB-17**

PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 19 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING



# **BORING NUMBER PLB-18** Resolute Environmental & Water Resources Consulting, LLC 1003 Weatherstone Parkway Suite 320 Woodstock, GA 301888 Telephone: (678) 398-9942 CLIENT Georgia Power Company PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA PROJECT NUMBER DATE STARTED 2/28/18 COMPLETED 2/28/18 GROUND ELEVATION 19 ft NAVD 88 HOLE SIZE 4 inches DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS: DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY AT END OF DRILLING \_---NOTES AFTER DRILLING \_---MATERIAL DESCRIPTION WELL DIAGRAM (GW) Gray Brown WG PS Gravel 18.0 (CL) Brown Red Sandy Clay SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ 11.0 (SW) Tan Gray WG PS Medium Sand (CH) Gray Clay (CL) Gray Sandy Clay 3.0 Bottom of borehole at 16.0 feet.

CLIENT Georgia Power Company

PROJECT NUMBER

### Resolute Environmental & Water Resources Consulting, LLC

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Telephone: (678) 398-9942

PROJECT NAME Plant Kraft

**BORING NUMBER PLB-19** 

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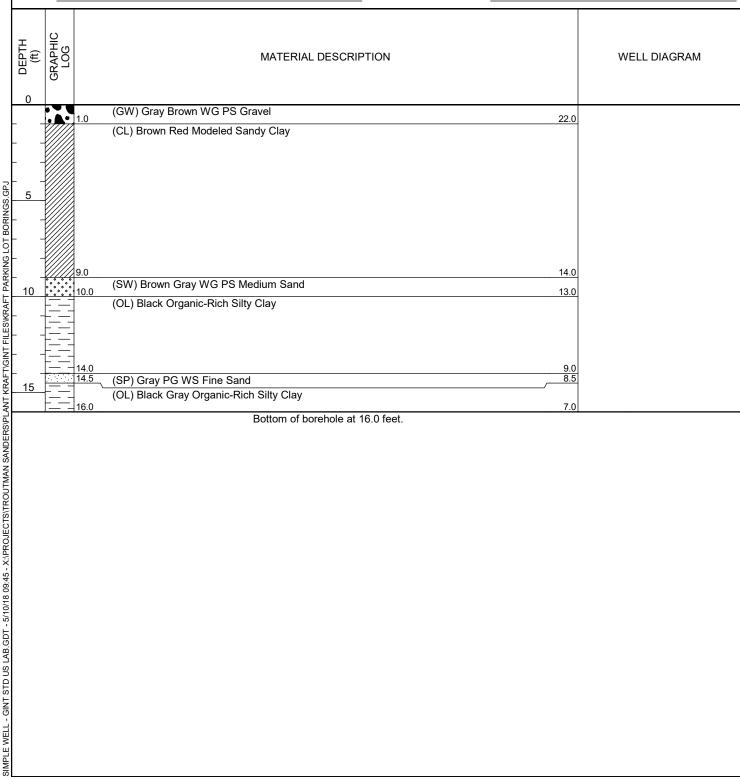
PROJECT LOCATION Port Wentworh, GA

DATE STARTED 2/28/18 COMPLETED 2/28/18 GROUND ELEVATION 23 ft NAVD 88 HOLE SIZE 4 inches

DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS:

DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY AT END OF DRILLING \_---

NOTES AFTER DRILLING \_---



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BORING NUMBER PLB-20
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 24 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING

	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
-	0		(GW) Gray WG PS Gravel	
-	-	1.0	(SP) Brown Gray PG WS Fine Sand	
$\perp$	-	2.0	(CL) Brown Tan Red Modeled Sandy Clay	0
H	-			
J G	-			
NGS.0	5			
BORII	-			
LOT	-			
KING	_	9.0	15	0
PAR	10	10.0	(SP) Gray Tan PG WS Fine Sand	
RAFI			(OH) Black Gray Organic-Rich Silty Clay	
ES\K				
	_	12.5	(SP) Gray Brown PG WS Fine Sand	<u>5</u>
FTG	_	14.0	10	0
X A	15	15.0	(CH) Gray Clay  (SW) Gray WG PS Medium Sand	0
LANT		16.0	Bottom of borehole at 16.0 feet.	0
ERS\F			Bottom of borefiole at 10.0 feet.	
10/18 09:45 - X:PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ				
MAN 9				
OUT				
IS/TR				
DJECT				
:\PRC				
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8 09:				
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- GIN				
ÆLL.				
SIMPLE WELL - GINT STD US LAB.GDT - 5/				
SIMF				

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BORING NUMBER PLB-21
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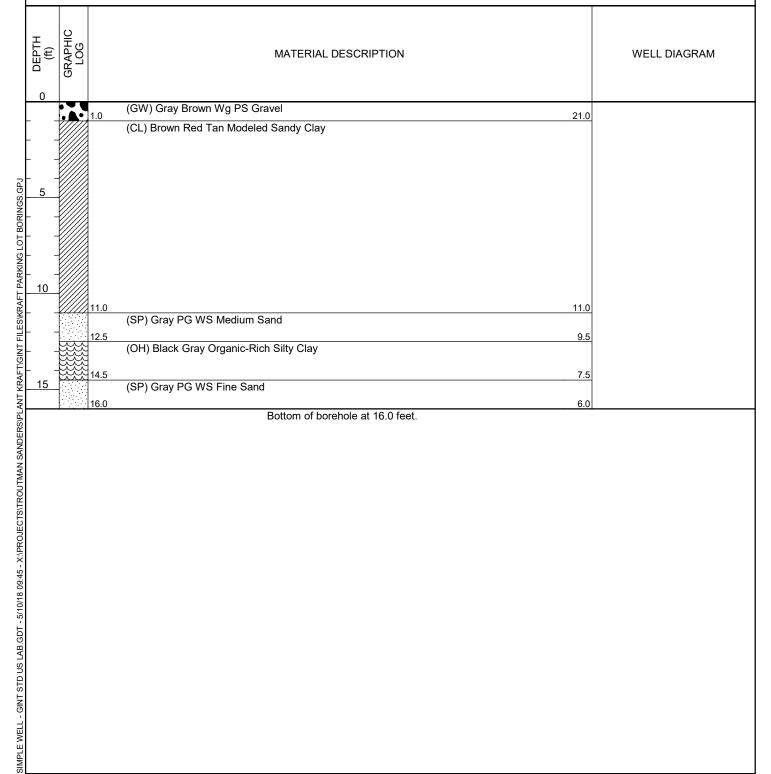
CL	IENT _	Seorgia	Power Company		PROJECT NAME Plant Kraft	
PROJECT NUMBER		PROJECT LOCATION Port Wentworh, GA				
DATE STARTED         2/28/18         COMPLETED         2/28/18			2/28/18	<b>COMPLETED</b> 2/28/18	GROUND ELEVATION 26 ft NAVD 88 HOLE SIZE 4 inches	
DR	DRILLING CONTRACTOR Atlas Geo-sampling DRILLING METHOD DPT				GROUND WATER LEVELS:	
DR					AT TIME OF DRILLING	
LO	LOGGED BY Kevin Stephenson CHECKED BY					
- 1	NOTES					
рертн	GRAPHIC			MATERIAL DESC	RIPTION	WELL DIAGRAM
0			(GW) Grav Brow	n WG PS Gravel		
-		1.0		Tan Modeled Sandy Clay	25.	0
-	-////		(OL) Diamintod	ran mousieu canay ciay		
-	-////					
급_	-////					
5.50	-\///					
NIN-						
ING I	-////					
ARK 1	, *////				40	
10	) ////	10.0	(SW) Gray WG F	PS Fine Sand	16.	1
SIKR		11.0	(OH) Black Gray	Organic-Rich Silty Clay	15.	
	12.0 Bottom of borehole at 12.0 feet.					
N QIN						
₹AFT						
칟						
PLA						
DERS						
SAN						
MAN						
SOUT						
TS/TF						
SUEC						
(:\PR(						
45-)						
18 09:						
2/10/						
- 103						
LAB.G						
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X./PROJECTS/TROUTMAN SANDERS/PLANT KRAFT/GINT FILES/KRAFT PARKING LOT BORINGS.GPJ						
TST						
NO-						
WELL						
NE V						
SIMF						

Telephone: (678) 398-9942

# **BORING NUMBER PLB-22**

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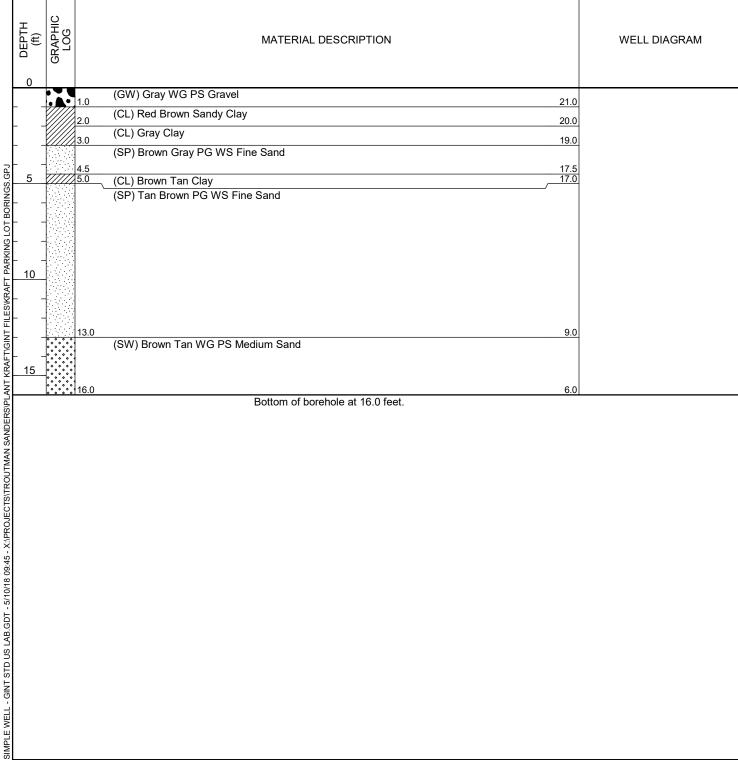
CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 22 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD _DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING



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# **BORING NUMBER PLB-23**

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 22 ft NAVD 88 HOLE SIZE 4 inches
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:
DRILLING METHOD DPT	AT TIME OF DRILLING
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING
NOTES	AFTER DRILLING



Bottom of borehole at 16.0 feet.

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BORING NUMBER PLB-24
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CLIENT _Georgia Power Company  PROJECT NUMBER  DATE STARTED _2/28/18	PROJECT NAME Plant Kraft  PROJECT LOCATION Port Wentworh, GA  GROUND ELEVATION 22 ft NAVD 88 HG  GROUND WATER LEVELS:  AT TIME OF DRILLING  AT END OF DRILLING  AFTER DRILLING	OLE SIZE _4 inches
DEPTH GRAPHIC LOG LOG	PTION	WELL DIAGRAM
1.0 (GW) Gray Brown WG PS Gravel 2.0 (SP) Tan Brown PG WS Fine Sand 2.1 \rangle Ash (SP) Tan Brown PG WS Fine Sand 5.0	21.0 20.0 \( \square\) 19.9	

Bottom of borehole at 5.0 feet.

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Telephone: (678) 398-9942

(SP) Tan Brown PG WS Fine Sand

(SW) Tan Gray WG PS Medium Sand

**BORING NUMBER PLB-25** PAGE 1 OF 1

17.0

12.0

9.0

CLIENT Georgia Power Company		PROJECT NAME Plant Kraft	
PROJECT N	IUMBER	PROJECT LOCATION Port Wentworh, GA	
DATE STAR	TED <u>2/28/18</u> COMPLETED <u>2/28/18</u>	GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches	
DRILLING C	CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:	
DRILLING N	METHOD DPT	AT TIME OF DRILLING	
LOGGED B	Y Kevin Stephenson CHECKED BY	AT END OF DRILLING	
NOTES		AFTER DRILLING	
O DEPTH (ft) GRAPHIC LOG	MATERIAL DESCRIF	PTION WELL DIAGRAM	
	1.0 Brown Tan Topsoil 2.0 (SP) Tan PG WS Fine Sand (CL) Tan Brown Red Modeled Sandy Clay	20.0 19.0	

Bottom of borehole at 12.0 feet.

SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS\GPJ

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**BORING NUMBER PLB-26** 

PAGE 1 OF 1

DATE STAR DRILLING CO DRILLING M LOGGED BY		AT TIME OF DRILLING AT END OF DRILLING			
DEPTH (ft) GRAPHIC LOG	MATERIAL DESCRI	IPTION	WELL DIAGRAM		
T KRAFT DENKAAFT PARKING LOT BORINGS GFU	(SP) Tan Gray PG WS Medium Sand (SP) Tan Brown Sandy Clay (SP) Tan Brown PG WS Fine Sand (SW) Gray Brown WG PS Medium Sand (SC) Tan Brown Clayey Sand (CL) Tan Brown Gray Sandy Clay  Bottom of borehole at	12.0 11.0 11.0 9.0 16.0 feet.			

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BORING NUMBER PLB-27
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft				
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA				
DATE STARTED         2/28/18         COMPLETED         2/28/18	GROUND ELEVATION 26 ft NAVD 88 HOLE SIZE 4 inches				
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:				
DRILLING METHOD DPT	AT TIME OF DRILLING				
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING				
NOTES	AFTER DRILLING				

	DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
ŀ	0	<u>11.</u> 1.	Brown Topsoil	
}		1.	(SP) Tan Brown PG WS Fine Sand	<u>)                                    </u>
ŀ			(3F) Tall blowlife was tille dallu	
		3.	0 23.0	)
	_		(CL) Tan Brown Red Modeled Sandy Clay	
.GP.J	5	5.	21.0	
NGS			(SC) Tan Brown Clayey Sand	
S N N		////		
OTE		7///7.	0 (CL) Brown Tan Gray Sandy Clay	<u>'</u>
NG L			(,,,,	
RKI				
4 ⊢	10			
RAF	_			
ES/K				
뷥	-			
S N				
AFT				
T K	15	°.°.°.°	5.0 11.0 (SW) Tan Brown WG PS Medium Sand	
0/18 09:45 - X.\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS GPJ		:•:•:•:16	Bottom of borehole at 16.0 feet.	
RS/F			Bottom of porenoie at 10.0 feet.	
NDE				
δ N				
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SIMPLE WELL - GINT STD US LAB.GDT - 5/1				
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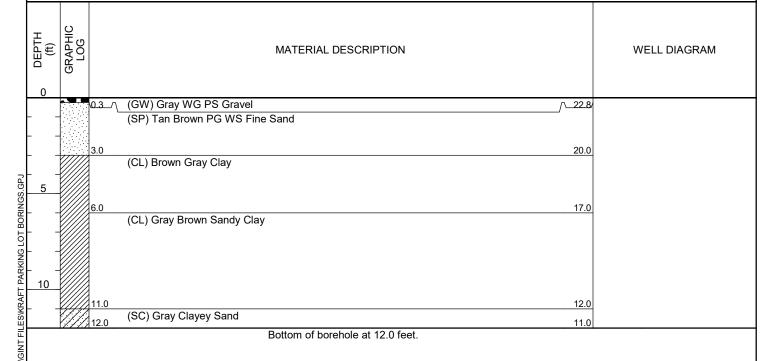
NOTES

### Resolute Environmental & Water Resources Consulting, LLC

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Woodstock, GA 301888 Telephone: (678) 398-9942 **BORING NUMBER PLB-28** 

CLIENT Georgia Power Company PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA PROJECT NUMBER DATE STARTED 2/28/18 COMPLETED 2/28/18 GROUND ELEVATION 23 ft NAVD 88 HOLE SIZE 4 inches DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS: DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY AT END OF DRILLING \_---AFTER DRILLING \_---



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**BORING NUMBER PLB-29** 

PAGE 1 OF 1

CLIENT Georgia Power Company		Power Company	PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA				
PRO							
DA				GROUND ELEVATION 29 ft NAVD 88 HOLE SIZE 4 inches			
1			RACTOR Atlas Geo-sampling				
			DD DPT				
			evin Stephenson CHECKED BY				
110		1		AITEN BINEEING			
DEPTH			MATERIAL DESC	RIPTION		WELL DIAGRAM	
0	7/1/	0.5	Brown Topsoil		28.5		
-	-		(SP) Tan Brown PG WS Fine Sand				
-			,				
L	• • •	3.0			26.0		
_  _	*****	• I	(SW) Tan Gray WG PS Medium Sand		04.5		
<u>6</u> 5		4.5 5.0	(GM) Brown Gray Silty Sand		24.5 24.0		
SING		6.0	(SP) Gray PG WS Fine Sand		23.0		
R L			(CH) Gray Brown Fat Clay				
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09.45 - X./PROJECTS/TROUTMAN SANDERS/PLANT KRAFTIGINT FILES/KRAFT PARKING LOT BORINGS.GPJ					40.0		
10		10.0	(CL) Gray Brown Sandy Clay		19.0		
χ. -	- ////						
	-\///	12.5			16.5		
<u> </u>	-	13.5	(SW) Tan Brown WG PS Medium Sand		15.5		
FF -	-		(SP) Brown Tan PG WS Fine Sand				
<u></u> 15							
Ā		16.0			13.0		
3S/PI			Bottom of borehole	at 16.0 feet.			
NDE							
N SA							
TMA							
ROU							
TS/I							
SPEC							
PRG							
2-X							
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10/18							
- 2/1							
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E LAB							
D US							
TST							
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SIMPI							

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**BORING NUMBER PLB-30** 

PAGE 1 OF 1

CLIENT Georgia Power Company		eorgia l	Power Company	PROJECT NAME Plant Kraft			
- 1					PROJECT LOCATION Port Wentworh, GA  GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches		
	DATE	STAF	TED _	3/1/18 <b>COMPLETED</b> 3/1/18			
- 1				ACTOR Atlas Geo-sampling			
	DRILI	LING N	IETHO	D DPT	AT TIME OF DRILLING		
	LOGO	SED B	Y Kev	in Stephenson CHECKED BY			
f							
	, DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCR	IPTION	WELL DIAGRAM	
ŀ	0	711/	4.0	Brown Topsoil			
I	-		1.0	(SP) Brown Tan PG WS Fine Sand	20.0	0	
ŀ	-						
ŀ	-	*****	3.0	(SW) Brown Tan WG PS Medium Sand	18.0	0	
ZŽ.							
JGS.C	5						
SOR!	-		7.0		444		
	-		7.0	(OH) Brown Gray Organic Rich Clay	14.0	<u>U</u>	
ING I	_						
PARK	10						
¥.	10		11.0		10.0		
SIKR	-		12.0	(SW) Gray WG PS Medium Sand			
밝		<u>. ` . ` . ` . ` . </u>	12.0	Bottom of borehole at		U	
GIN							
₹FT							
Ā							
PLAN							
ERS							
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SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ							
Ø							

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**BORING NUMBER PLB-31** PAGE 1 OF 1

Georgia Power Company					
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA	PROJECT LOCATION Port Wentworh, GA			
<b>DATE STARTED</b> <u>3/1/18</u> <b>COMPLETED</b> <u>3/1/18</u>					
DRILLING CONTRACTOR Atlas Geo-sampling					
LOGGED BY Kevin Stephenson CHECKED BY					
NOTES	AFTER DRILLING				
_ 0					
H (#) (#) (#) (#) MATERIAL DE	SCRIPTION	WELL DIAGRAM			
LC LC		WEEL DIN COLUMN			
0 (SP) Brown Tan PG WS Fine Sands					
(GF) Blown Tall FG W3 Tille Salids					
5 (SW) Tan Gray WG PS Medium Sand	16.5				
(OVV) Tan Gray WOT G Wedium Gand	15.0				
(CL) Tan Clay	15.0 14.5				
(SW) Tan Gray WG PS Medium Sand					
(OH) Organic Rich Silty Clay with Wood Fragr	12.0				
10 (OH) Organic Rich Sity Clay with Wood Fragi	Helits				
12.0	9.0				
Bottom of boreh	ole at 12.0 feet.				

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(OH) Brown Black Organic Rich Silty Clay

PAGE 1 OF 1

**BORING NUMBER PLB-32** 

10.0

9.0

CLIENT Georgia Power Company PROJECT NAME Plant Kraft PROJECT LOCATION Port Wentworh, GA PROJECT NUMBER DATE STARTED 3/1/18 COMPLETED 3/1/18 GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches DRILLING CONTRACTOR Atlas Geo-sampling GROUND WATER LEVELS: DRILLING METHOD DPT AT TIME OF DRILLING \_---LOGGED BY Kevin Stephenson CHECKED BY AT END OF DRILLING \_---NOTES AFTER DRILLING \_---GRAPHIC LOG MATERIAL DESCRIPTION WELL DIAGRAM (GW) Brown Tan WG PS Gravel 20.0 (CL) Red Brown Tan Modeled Sandy Clay 16.0 (CL) Brown Tan Red Modeled Clay 14.0 Ash 12.0 (SW) Gray WG PS Medium Sand

Bottom of borehole at 12.0 feet.

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BORING NUMBER PLB-33
PAGE 1 OF 1

CLIE	NT <u>G</u> e	eorgia Power Company		PROJECT NAME Plant Kraft				
PRO.	JECT N	UMBER		PROJECT LOCATION Port Wentworh, GA				
DATE	STAR	TED <u>3/1/18</u>	COMPLETED <u>3/1/18</u>	GROUND ELEVATION 21 ft NAVD 88 H	IOLE SIZE 4 inches			
DRIL	LING C	ONTRACTOR Atlas Ge	eo-sampling	GROUND WATER LEVELS:				
DRIL	LING M	ETHOD DPT		AT TIME OF DRILLING				
LOG	GED BY	Kevin Stephenson	CHECKED BY	AT END OF DRILLING				
NOTE	ES			AFTER DRILLING				
	S GRAPHIC S LOG	Brown Topsoil	MATERIAL  Red Modeled Sandy Clay  ly Clay ay Clay  VS Fine Sand		WELL DIAGRAM			
MPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.,PROJ.								

BORING NUMBER PLB-34
PAGE 1 OF 1

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CLIENT Georgia Power Company	PROJECT NAME Plant Kraft				
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA				
DATE STARTED         3/1/18         COMPLETED         3/1/18	GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches				
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:				
DRILLING METHOD DPT	AT TIME OF DRILLING				
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING				
NOTES	AFTER DRILLING				

O DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
٣	1000	(SP) Tan Brown PG WS Fine Sand	
L .	//////	2.0	
		(CL) Brown Tan Red Modeled Sandy Clay	
:			
5			
<u>.</u> .			
-			
- ` ، ا			
10			
<u> </u>		11.0	
L.		(SP) Gray PG WS Fine Sand	
		13.0	
-		(SM) Crov MC DS Modium Sand	
-	*****	14.0 (517) Stay 17 5 1 Mediani Starid	
15	-		
'I		Rottom of horehole at 16.0 feet	

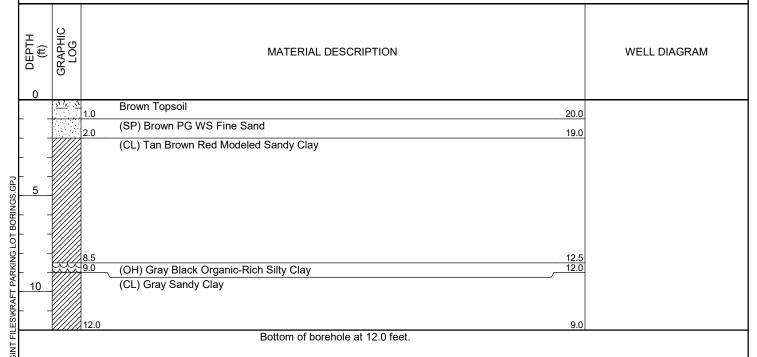
Bottom of borehole at 16.0 feet.

SIMPLE WELL - GINT STD US LAB GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ

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Woodstock, GA 301888 Telephone: (678) 398-9942 BORING NUMBER PLB-35

PROJECT NAME Plant Kraft				
PROJECT LOCATION Port Wentworh, GA				
GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches				
_ GROUND WATER LEVELS:				
AT TIME OF DRILLING				
AT END OF DRILLING				
AFTER DRILLING				



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BORING NUMBER PLB-36
PAGE 1 OF 1

CLIENT Georgia Power Company	PROJECT NAME Plant Kraft				
PROJECT NUMBER	PROJECT LOCATION Port Wentworh, GA				
DATE STARTED 3/1/18 COMPLETED 3/1/18	GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches				
DRILLING CONTRACTOR Atlas Geo-sampling	GROUND WATER LEVELS:				
DRILLING METHOD DPT	AT TIME OF DRILLING				
LOGGED BY Kevin Stephenson CHECKED BY	AT END OF DRILLING				
NOTES	AFTER DRILLING				
MOTES	AI ILI DILLING				

	O DEPTH (ft)	GRAPHIC LOG		MATERIAL DESCRIPTION		WELL DIAGRAM
		1/ N //	1.0	Brown Tan Topsoil	20.0	
	-		1.0	(SP) Tan Brown PG WS Fine Sand	20.0	
	-					
		/////	3.0	(CL) Tan Brown Red Modeled Sandy Clay	18.0	
2				(oz) ran Brown roa moadioù banay biay		
SS.GF	5					
RING						
T B0						
, FO						
NIX N						
PAR	10		10.0	1	11.0	
AFT	10	<i>/////</i>	10.0	(SP) Gray PG WS Fine Sand	11.0	
S/KR	-		40.0			
జ		/////	12.0	(CL) Tan Gray Sandy Clay	9.0	
SINT						
)FT						
Ϋ́	15	<b>/////</b>	15.0	(SW) Gray WG PS Medium Sand	6.0	
M			16.0		5.0	
RS/P				Bottom of borehole at 16.0 feet.		
NDE						
N SA						
TMA						
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TS/T						
DEC						
PRC						
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3/18						
- 5/10						
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STD						
SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFTGINT FILES\KRAFT PARKING LOT BORINGS.GPJ						
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MPLE						
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**BORING NUMBER PLB-37** 

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CL	CLIENT Georgia Power Company				PROJECT NAME Plant Kraft						
PR	PROJECT NUMBER										
DA	TE S	TAR	TED 3/1/18	COMPLETED	GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches						
DR	RILLIN	IG C	ONTRACTOR Atlas Ge	eo-sampling	GROUND WATER LEVELS:	_ GROUND WATER LEVELS:					
DR	RILLIN	IG M	IETHOD DPT		AT TIME OF DRILLING						
LO	GGE	D BY	Kevin Stephenson	CHECKED BY							
	NOTES										
-											
DEPTH		LOG		MATERIAL DESC	CRIPTION	WELL DIAGRAM					
	)	<u> </u>	(SP) Tan Brown	PG WS Fine Sand							
F	-		(Or ) Turi Brown	1 0 WO 1 me cana							
-		////	2.0 (CL) Brown Tan	Red Modeled Sandy Clay	19.0	<u>)</u>					
-	-1/		(02) 2:01111 Tail	Trou moudiou bandy blay							
<u>a</u> -	-1/										
58.G	5_//										
AR -	-1/										
TD P	-1/										
9  -	-1/		8.0 (CL) Gray Sand	v Clav	13.0	<u>)</u>					
ARF E	-1/		(OL) Olay Salid	y Olay							
10	0										
- KRA	-1/										
≌ <b> </b> —	//		12.0	Bottom of borehole	9.0 2 at 12.0 feet						
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SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X.IPROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ											
TS TI											
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**BORING NUMBER PLB-38** 

PAGE 1 OF 1

CLIE	CLIENT Georgia Power Company			PROJECT NAME Plant Kraft					
PRO.	JECT NUM	BER		PROJECT LOCATION Port Wentworh, GA  GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches					
DATE	STARTE	<b>3</b> /1/18	<b>COMPLETED</b> 3/1/18						
DRIL	LING CON	TRACTOR Atlas Ge	eo-sampling	GROUND WATER LEVELS:					
DRIL	LING MET	HOD DPT							
LOG	GED BY		CHECKED BY						
1			_						
DEPTH (ft)	GRAPHIC LOG		MATERIAL DES	CCRIPTION	WELL DIAGRAM				
0	, • •	(GW) Brown WC	R PS Gravel						
<u> </u>	1.0		PG WS Fine Sand		20.0				
ļ		(OI ) DIOWII TAII	1 O WO I life Salid						
ļ .	3.0	(CL) Tan Brown	Sandy Clay		18.0				
, <b> </b>		(CL) Tall Blown	Salidy Clay						
5									
<u></u>	6.0	(SD) Prouin Ton	PG WS Fine Sand		15.0				
<u> </u>		(SP) BIOWII TAII	PG WS Fille Sallu						
[] 									
-	9.5				11.5				
10	10.5	Gray Ash			10.5				
<u>{</u>	11.5	(CL) Tan Brown	Sandy Clay		9.5				
]	12.0		/S Fine Sand		9.0				

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**BORING NUMBER PLB-39** 

PAGE 1 OF 1

CL	CLIENT Georgia Power Company				PROJECT NAME Plant Kraft				
PF	OJE	CT N	UMBE	ER	PROJECT LOCATION Port Wentworh, G	Α			
DA	TE S	TAR	TED	3/1/18 <b>COMPLETED</b> 3/1/18	GROUND ELEVATION 21 ft NAVD 88 HOLE SIZE 4 inches				
				ACTOR Atlas Geo-sampling					
- 1				DPT _DPT	AT TIME OF DRILLING				
				vin Stephenson CHECKED BY					
- 1					AFTER DRILLING				
I									
		LOG		MATERIAL DESCRI	IPTION	WELL DIAGRAM			
-		17. V		Brown Topsoil					
ŀ	12	<u>''</u>	1.0	(CL) Tan Brown Red Modeled Sandy Clay	20.	0			
-				(CL) Tall Blowil Red Modeled Salidy Clay					
L									
<u>_</u>									
S.GP	5 //		5.0		16.	<u>o</u>			
SING				(SP) Gray PG WS Fine Sand					
[5]			8.0		13.	0			
N N			9.0	(CH) Tan Gray Clay	12.	0			
¥ 1	0		10.0	(SP) Brown Gray PG WS Fine Sand	11.	0			
RAFI			11.0	(CL) Gray Sandy Clay	10.				
ESIK			12.0	(SP) Gray PG WS Fine Sand	9.				
랊	•••	••••		(SW) Tan Brown WG PS Medium Sand		_			
NI5	- <b>!</b> .;								
E P	5 :: 5::	• • • • • • • • • • • • • • • • • • • •							
Ž -	<u> </u>		40.0		_				
	<u> </u>	°.°.°.	16.0	Bottom of borehole at	5. 16.0 feet.	0			
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AND									
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SIMPLE WELL - GINT STD US LAB.GDT - 5/10/18 09:45 - X:\PROJECTS\TROUTMAN SANDERS\PLANT KRAFT\GINT FILES\KRAFT PARKING LOT BORINGS.GPJ									
DINT TNIE									
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MPLE									
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PROJECT: Plant Kraft Excavation	WELL NO.:	MW-15					
SITE: Plant Kraft			COORDINATES:	N 783887.8 E 971125.0			
FORM PREPARED BY: Forrest Ho ABANDONMENT BY: Forrest How	ard & Matt	DATE GROUTED:	4/6/2017				
METHOD OF FILLING: Grouted Ho Tremie PIPE & GROUND PUMP: N			VOLUME USED:	~0.01 yd <sup>3</sup>			
DEPTH SOUNDED PRIOR TO FILLING/GROUTING:	6.57 ft BG	S	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	red		
				DEPTH:	ELEV.:		
		GRO	UND SURFACE	0.0'			
Casing cut 3.0' BGS		P OF GROUT	0.0' 16.57'				
REMARKS: Grout was poured to gi	round surfa	ace. PVC w	as cut 3 ft BGS by exc	avator.			
Certified By: Date:							



PROJECT: Plant Kraft Excavation	WELL NO.:	MW-15A			
SITE: Plant Kraft		COORDINATES:	N 783752.5 E 971126.5		
FORM PREPARED BY: Forrest Howard ABANDONMENT BY: Forrest Howard &	: Goodnar	DATE GROUTED:	4/6/2017		
METHOD OF FILLING: Grouted Hole Tremie PIPE & GROUND PUMP: N/A			VOLUME USED:	~0.02 yd <sup>3</sup>	
DEPTH SOUNDED PRIOR TO 29.98	3 ft BG	S	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	red
				DEPTH:	ELEV.:
		GRO	UND SURFACE	0.0'	
Casing cut 3.0' BGS	TOP OF GROUT  BOTTOM OF GROUT		0.0' 29.98'		
REMARKS: Grout was poured to groun	d surf	ace. PVC w	as cut 3 ft BGS by exc	avator.	
Certified By: Date:					



PROJECT: Plant Kraft Excavation	WELL NO.:	MW-15B					
SITE: Plant Kraft		COORDINATES:	N 783893.1 E 971067.0				
FORM PREPARED BY: Forrest Horald BANDONMENT BY: Forrest Horald BY: For		DATE GROUTED:	4/6/2017				
METHOD OF FILLING: Grouted Figure 1. Tremie PIPE & GROUND PUMP:			VOLUME USED:	~0.02 yd <sup>3</sup>			
DEPTH SOUNDED PRIOR TO FILLING/GROUTING:	28.50 ft BG	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	Not Measured			
				DEPTH:	ELEV.:		
		GRO	UND SURFACE	0.0'			
Casing cut 3.0' BGS		P OF GROUT	0.0' 28.50'				
REMARKS: Grout was poured to	ground surf	ace. PVC w	as cut 3 ft BGS by exc	avator.			
Certified By: Date:							



PROJECT: Plant Kraft Excavatio	WELL NO.:	MW-15C			
SITE: Plant Kraft			COORDINATES:	N 783801.1 E 971244.3	
FORM PREPARED BY: Forrest HABANDONMENT BY: Forrest Ho		DATE GROUTED:	4/6/2017		
METHOD OF FILLING: Grouted I Tremie PIPE & GROUND PUMP			VOLUME USED:	~0.03 yd <sup>3</sup>	
DEPTH SOUNDED PRIOR TO FILLING/GROUTING:	33.25 ft BG	S	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	red
				DEPTH:	ELEV.:
		GRO	UND SURFACE	0.0'	
Casing cut 3.0' BGS	TOP OF GROUT		0.0'		
		вот	TOM OF GROUT	33.25'	
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<b>REMARKS:</b> Grout was poured to	ground surf	ace. PVC w	as cut 3 ft BGS by exc	avator.	
			•		
Certified By: Date:					



PROJECT: Plant Kraft Excavation	WELL NO.:	MW-15D				
SITE: Plant Kraft			COORDINATES:	N 783868.5 E 971124.1		
FORM PREPARED BY: Forrest How ABANDONMENT BY: Forrest How		DATE GROUTED:	4/6/2017			
METHOD OF FILLING: Grouted H Tremie PIPE & GROUND PUMP:			VOLUME USED:	~0.02 yd <sup>3</sup>		
DEPTH SOUNDED PRIOR TO FILLING/GROUTING:	26.98 ft BG	S	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	red	
				DEPTH:	ELEV.:	
		GRO	UND SURFACE	0.0'		
Casing cut 3.0' BGS	TOP OF GROUT		0.0'			
		ВОТ	TOM OF GROUT	26.98'		
1						
<b>REMARKS:</b> Grout was poured to g	round surf	ace. PVC w	as cut 3 ft BGS by exc	avator.		
Certified By: Date:						



PROJECT: Plant Kraft Excavation	WELL NO.:	MW-15E					
SITE: Plant Kraft			COORDINATES:	N 783757.7 E 971129.2			
FORM PREPARED BY: Forrest Ho ABANDONMENT BY: Forrest How	ard & Matt	: Goodnar	DATE GROUTED:	4/6/2017			
METHOD OF FILLING: Grouted Ho Tremie PIPE & GROUND PUMP: N			VOLUME USED:	~0.02 yd <sup>3</sup>			
DEPTH SOUNDED PRIOR TO FILLING/GROUTING:	21.46 ft BG	S	DEPTH TO WATER PRIOR TO GROUTING:	Not Measu	red		
				DEPTH:	ELEV.:		
		GRO	UND SURFACE	0.0'			
Casing cut 3.0' BGS	TOP OF GROUT		0.0'				
		BOI	TOM OF GROUT	21.46'			
REMARKS: Grout was poured to gr	round surfa	ace. PVC w	as cut 3 ft BGS by exc	avator.			
Certified By: Date:							