Drilling Additives Used in Boreholes 13P, 24PA, 24PB, 32P and 33P

Well Name	Activity	Date	Depth (feet below ground surface)	Material	Quantity[a]	Comments
13P	Drilling	6/16/2005	62.5	Super Gel-X[b]	100 gallons	Used to lubricate and retract stuck drill string
	Reaming	6/17/2005	55	Super Gel-X	100 gallons	Used to condition borehole
	Grouting		59.6	Cement	400 gallons	Used to grout 8-5/8 inch casing
				Super Gel-X	1 bag	
	Drilling	6/19/2005	182.5	Super Gel-X	200 gallons	Used to condition borehole
				Baroid Polymer 1DP-336	4 cups	
			322.5	Super Gel-X	500 gallons	
		6/22/2005	1040	AQF-2 Foam[c]	2 cups	
		6/23/2005	1060		4 cups	
			1065		3 cups	
			1070		2 cups	
		6/24/2005	1080		1 cup	
			1100		1 cup	
			1110		1 cup	
		7/8/2005	1242		1 cup	
					3 cups	Establish circulation
					3 cups	
		7/9/2005			1 cup	
		7/11/2005		AQF-2 Foam	1 cup	
				Baroid Polymer 1DP-336	1 cup	
		7/12/2005		AQF-2 Foam	1 cup	Clear plugged bit
				Baroid Polymer 1DP-336	1 cup	
				AQF-2 Foam	1 cup	
		7/13/2005		Baroid Polymer 1DP-336	1 cup	Establish circulation
		7/14/2005	1370	AQF-2 Foam	1 cup	
			1380		1 cup	
			1382		1 cup	
		7/15/2005	1410		1 cup	
			1485	Baroid Polymer 1DP-336	0.5 gallon	Used to condition borehole
		7/20/2005	1550	Baroid Condet[d]	1 cup	Used to break down clay
		7/21/2005	1562		1 cup	
					2 cup	
			1569	Baroid Polymer 1DP-336	1 cup	
		7/23/2005		Baroid Condet	0.75 gallons	
				Baroid Polymer 1DP-336	3.5 cup	
		7/27/2005		Quik Gel[e]	16 bags	Used to condition borehole
				Poly-Bore[f]	42 lbs	
		7/28/2005		Poly-Bore	42 lbs	
	Running Casing	8/4/2005	1513	AQF-2 Foam	1/2 cup	Lift cuttings
			1520		2 cups	

Well Name	Activity	Date	Depth (feet below ground surface)	Material	Quantity[a]	Comments
24PA	Drilling	1/25/2006	39	FSF Super Foam Plus[g]	1 cup	Used to condition borehole.
		1/26/2006	39		1 cup	
		1/28/2006	151.8	FSF Super Foam Plus	4 cups	Used to lubricate and retract stuck casing
	Plugging			Super Plug[h]	900 gallons	Used to abandon borehole
		1/29/2006	45	Super Plug	300 gallons	
		1/30/2006	12	Kwik Plug[i]	10 bags	
24PB	Drilling	1/29/2006	52.5	FSF Super Foam Plus	2 cups	Used to condition borehole.
		1/30/2006	60	Max Gel[j]	300 gallons	
		1/31/2006	152.5	Max Gel	17 gallons	
			157.5		5 gallons	
			177.5		9 gallons	
			185		9 gallons	
				FSF Super Foam Plus	1 cups	
			207.5	Max Gel	20 gallons	
		2/1/2006	212.5	Max Gel + FSF Super Foam Plus + Pac R[k]	57 gallons of Max Gel + 75 gallons foam / polymer	
			237.5			
			242.5			
			250			
			257.5			
			267.5			
			277.5			
			292.5			
		2/2/2006	337.5	FSF Super Foam Plus	25 gallons	
				Pac R	1 cup	
			397.5	FSF Super Foam Plus	50 gallons	
		2/7/2006	500	FSF Super Foam Plus	2 gallons	
				Pac R	1 cup	
	Reaming	2/8/2006	19	FSF Super Foam Plus	1 gallon	
		2/9/2006	39	FSF Super Foam Plus	1 gallon	
			85	FSF Super Foam Plus	1 cup	
				Pac R	1 cup	
			125	Max Gel	48 gallons	
			165		40 gallons	
			185		40 gallons	
			205		40 gallons	
			265		40 gallons	
			285		40 gallons	
		2/10/2006	305		115 gallons	
32P	Grouting	3/29/2006	57.5	Cement	300 gallons	Used to grout 8 inch casing
	Drilling		80	FSF Super Foam Plus	0.5 gallons	Used to condition borehole - injecting periodically while advancing borehole
		3/30/2006	97	Polyplus 2000	1 cup	Used to condition borehole - but not during advancement
		4/4/2006	180	FSF Super Foam Plus	1 cup	
				Polyplus 2000	1 cup	
		4/5/2006	185	FSF Super Foam Plus	1 gallon	
				Polyplus 2000[l]	1 cup	
	Grouting	4/9/2006	n/a	Cement	10 bags	Topping-off the 8 inch casing grout emplaced on 3/29/06
33P	Cleanout	2/24/2006	638	Aqua-Clear PFD[m]	0.75 gallons	Used to cleanout borehole
			538		0.75 gallons	
			438		0.75 gallons	
			338		0.75 gallons	
			238		0.75 gallons	
		2/25/2006	657		0.75 gallons	
			557		0.75 gallons	
			457		0.75 gallons	
			357		0.75 gallons	
			257		0.75 gallons	

[a] Material mixed with variable volume of water.

[b] Super Gel-X: Sodium Bentonite.

[c] AQF-2: Halliburton product named AQF-2 Foaming Agent.

[d] Baroid Condet: drilling fluid additive (detergent) used to break down clay.

[e] Quik Gel: Sodium bentonite.

[f] Poly-Bore: Non-scented bleach, used to break down polymers.

[g] FSF Super Foam Plus: Oil well drilling fluid additive containing surfactant, water, and isopropyl alcohol.

[h] Super Plug: Bentonite formulated for plugging holes, as opposed to conditioning a hole during borehole advance.

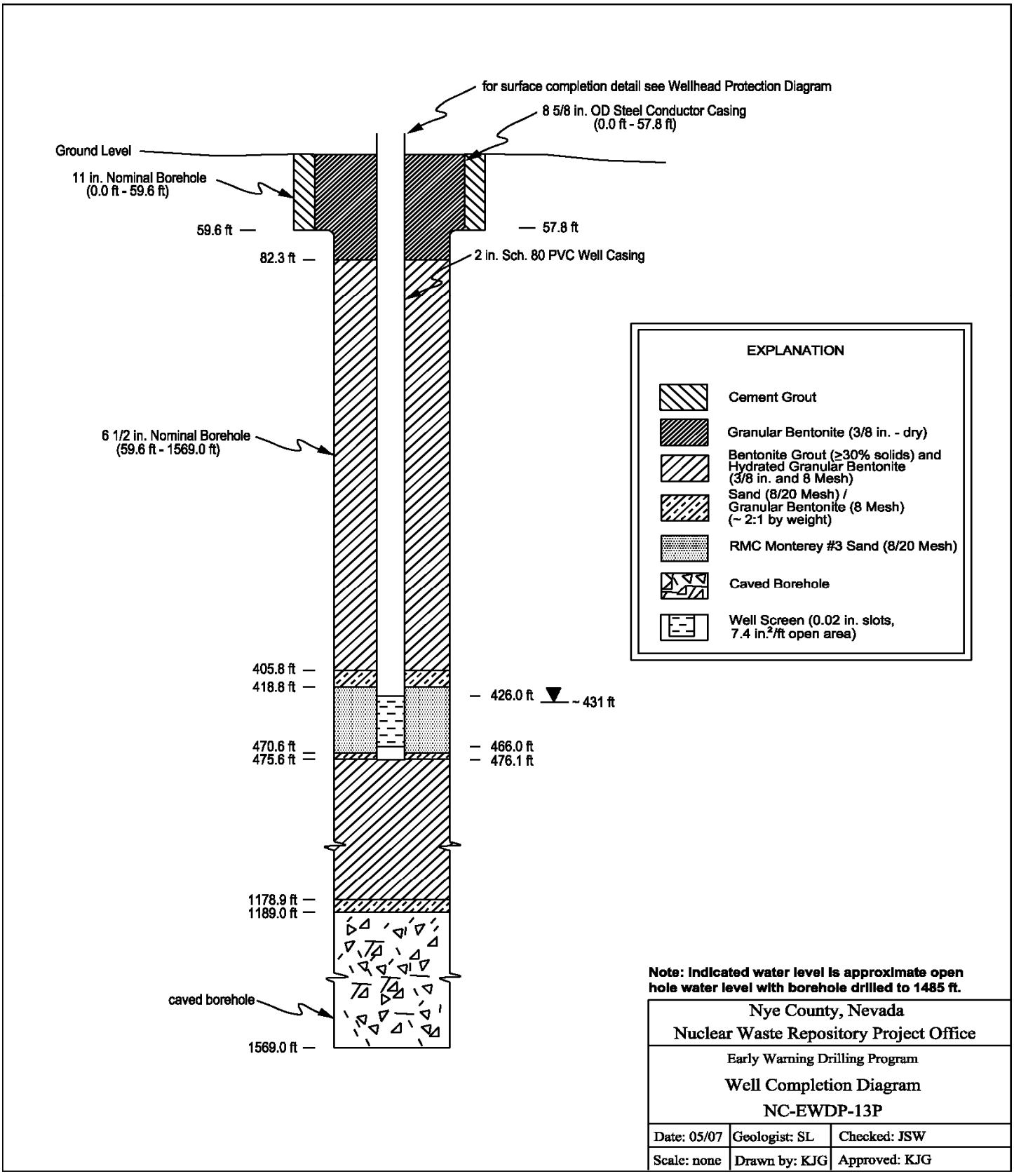
[i] Kwik Plug: Untreated ground sodium bentonite chips.

[j] Max Gel: Sodium bentonite coated with polymer.

[k] Pac R: Oil well drilling fluid additive consisting of carboxymethylcellulose and sodium salt.

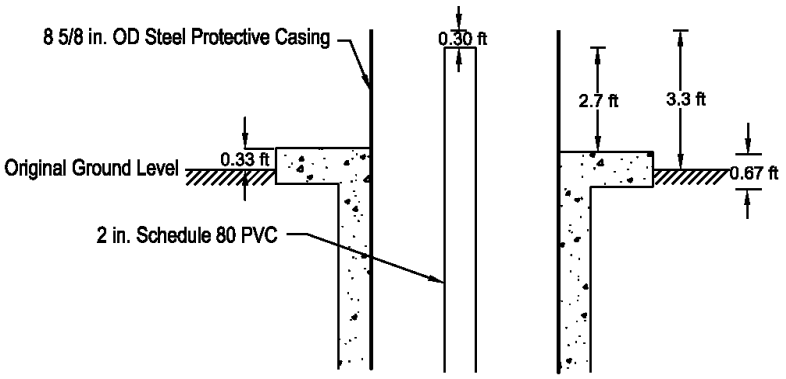
[l] Polyplus 2000: Synthetic copolymer.

[m] Aqua-Clear PFD: Phosphate-free dispersant and anti-scalant. Baroid product used to disperse clay.



Single-String Piezometer Completion Diagram for 13P

EWDP-13P Wellhead Protection Detail



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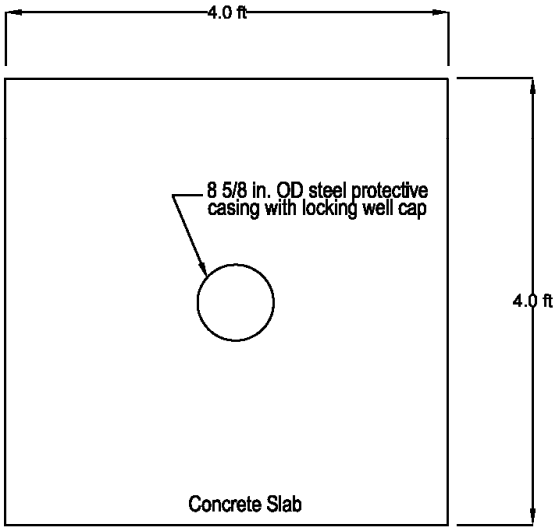
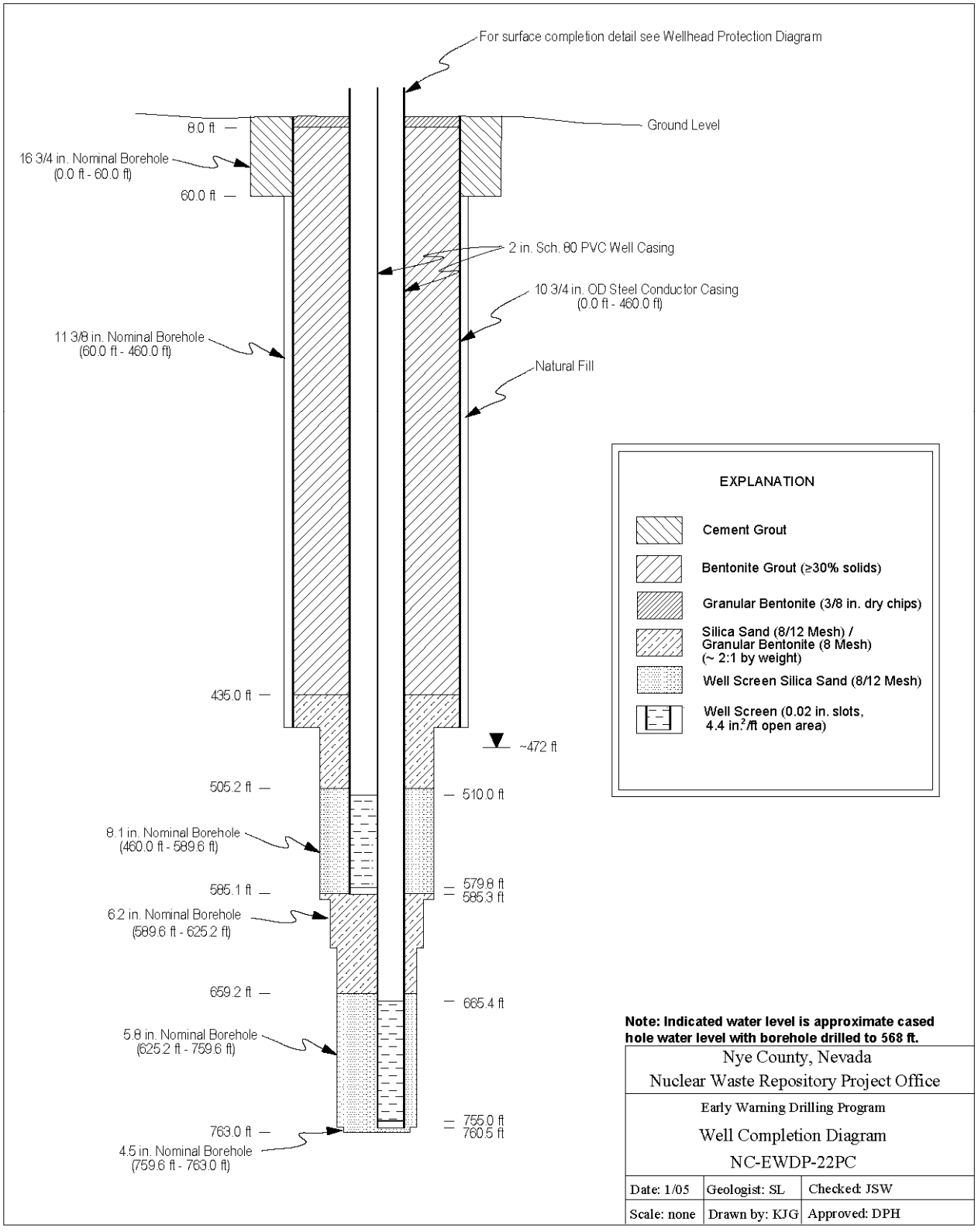


PLAN

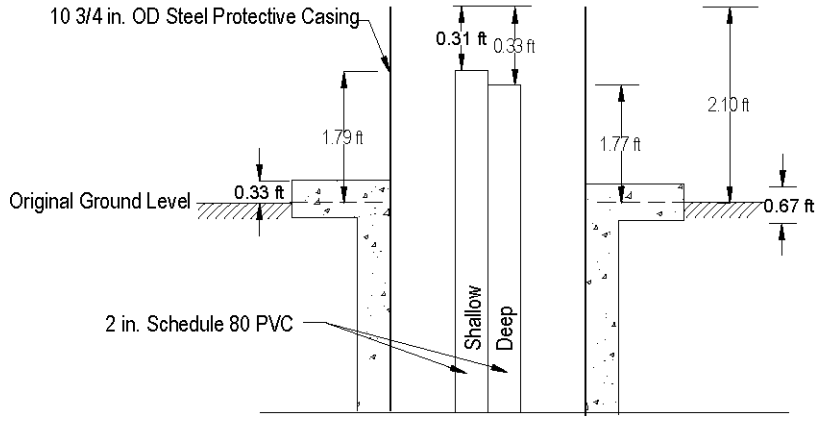
Nye County, Nevada Nuclear Waste Repository Project Office		
Early Warning Drilling Program Wellhead Protection Diagram NC-EWDP-13P		
Date: 09/05	Geologist: SL	Checked: JSW
Scale: none	Drawn by: KJG	Approved: KJG

Wellhead Protection Diagram for 13P



Dual-String Piezometer Completion Diagram for 22PC

EWDP-22PC Wellhead Protection Detail



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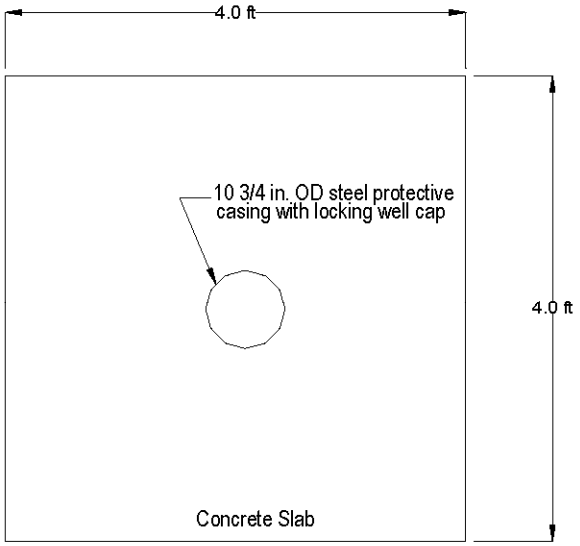
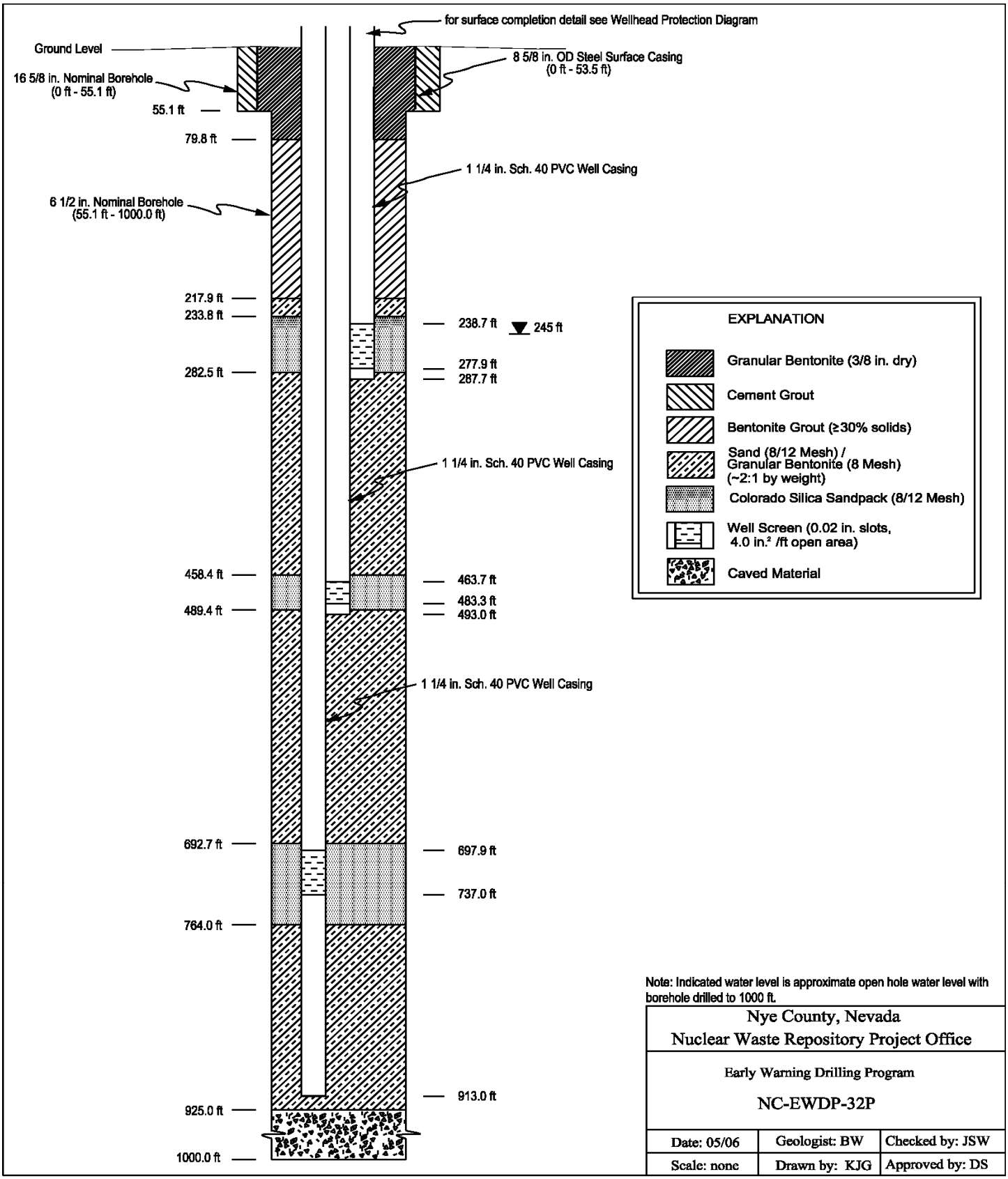


PLAN

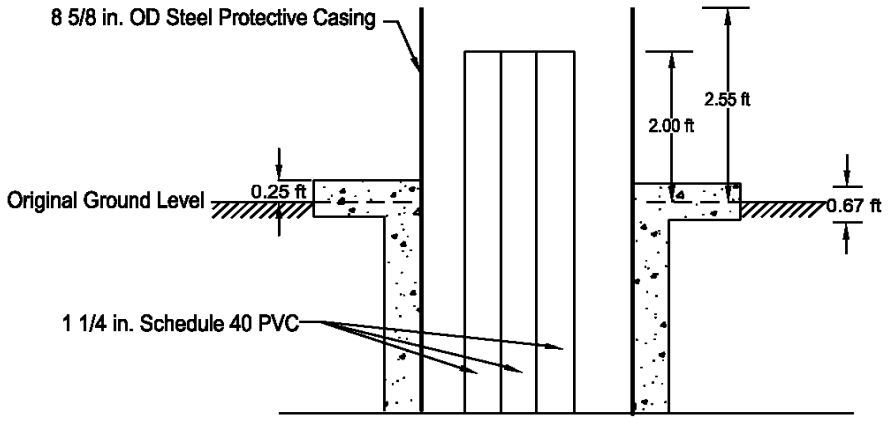
Nye County, Nevada Nuclear Waste Repository Project Office		
Early Warning Drilling Program Wellhead Protection Diagram NC-EWDP-22PC		
Date: 01/05	Geologist: SL	Checked: JSW
Scale: none	Drawn by: KJG	Approved: DPH

Wellhead Protection Diagram for 22PC



Triple-String Piezometer Completion Diagram for 32P

EWDP-32P Wellhead Protection Detail



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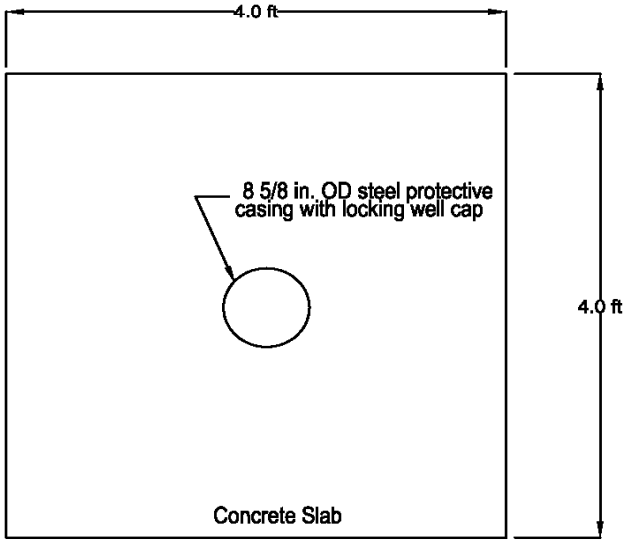
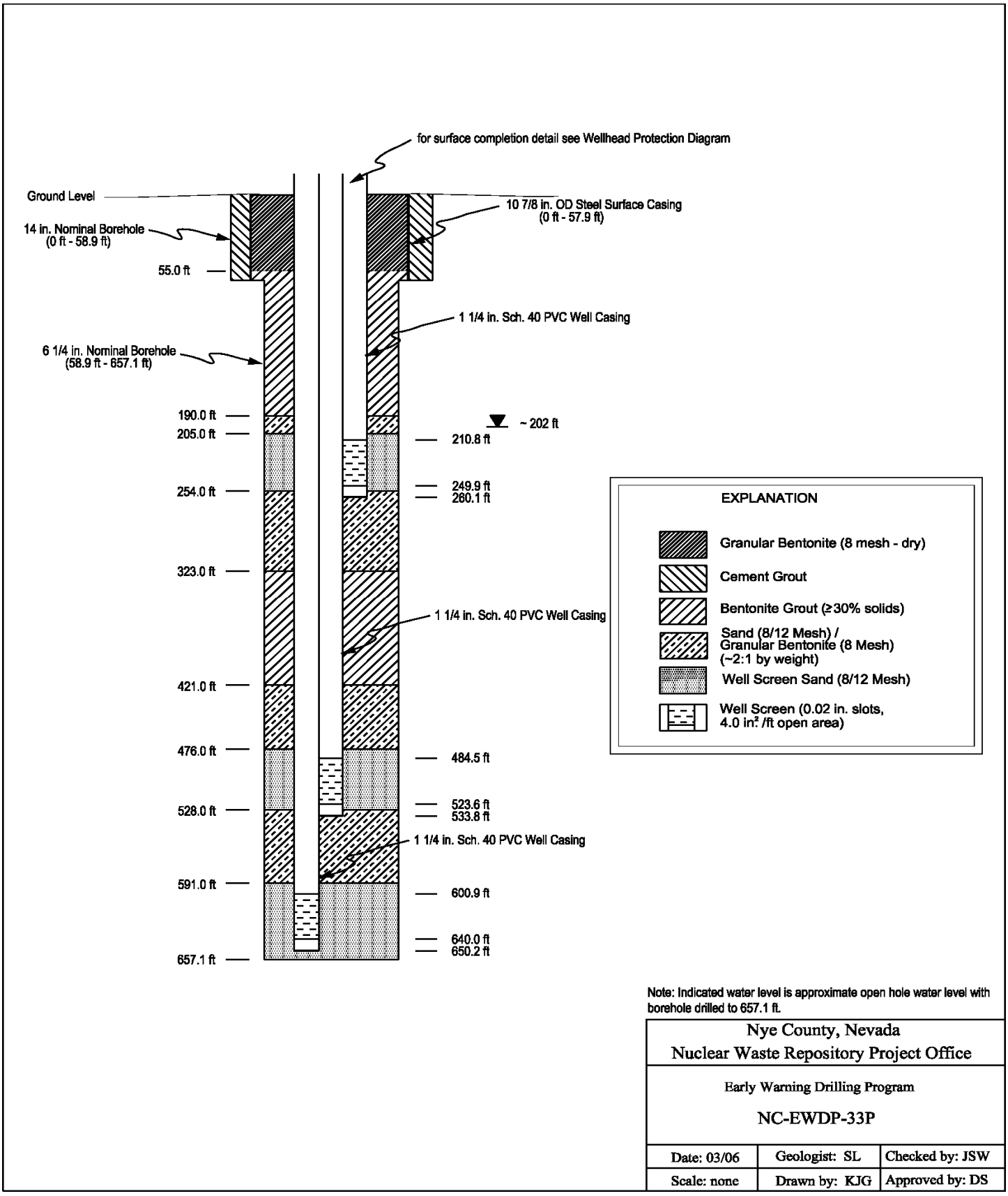


PLAN

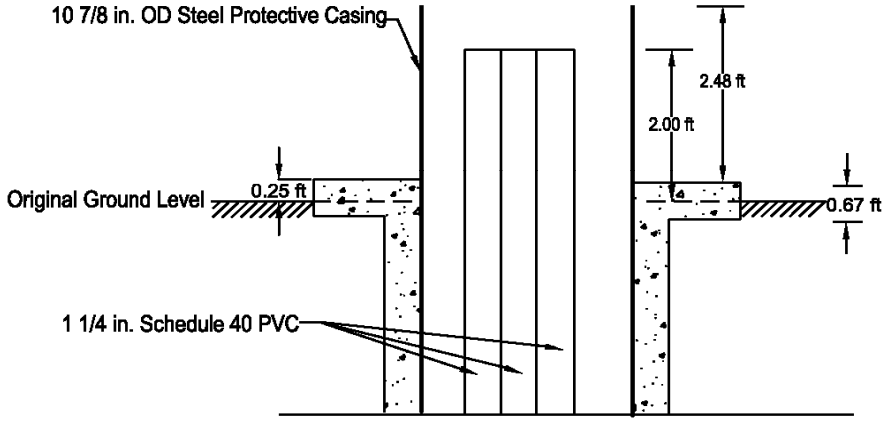
Nye County, Nevada Nuclear Waste Repository Project Office		
Early Warning Drilling Program Wellhead Protection Diagram NC-EWDP-32P		
Date: 05/06	Geologist: BW	Checked: JSW
Scale: none	Drawn by: KJG	Approved: DS

Wellhead Protection Diagram for 32P



Triple-String Piezometer Completion Diagram for 33P

EWDP-33P Wellhead Protection Detail



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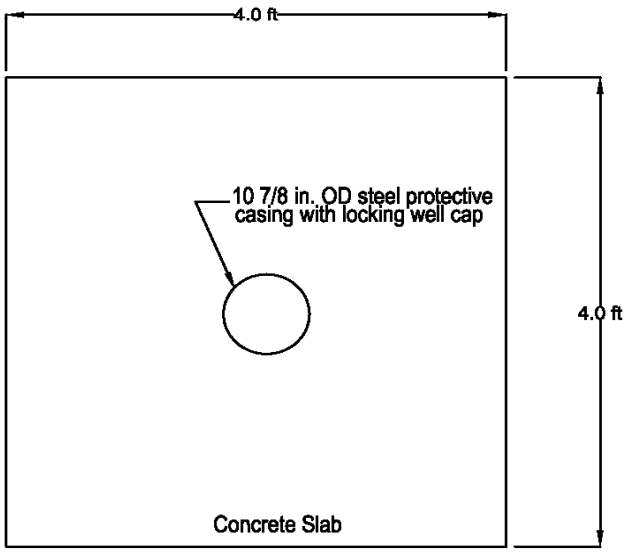
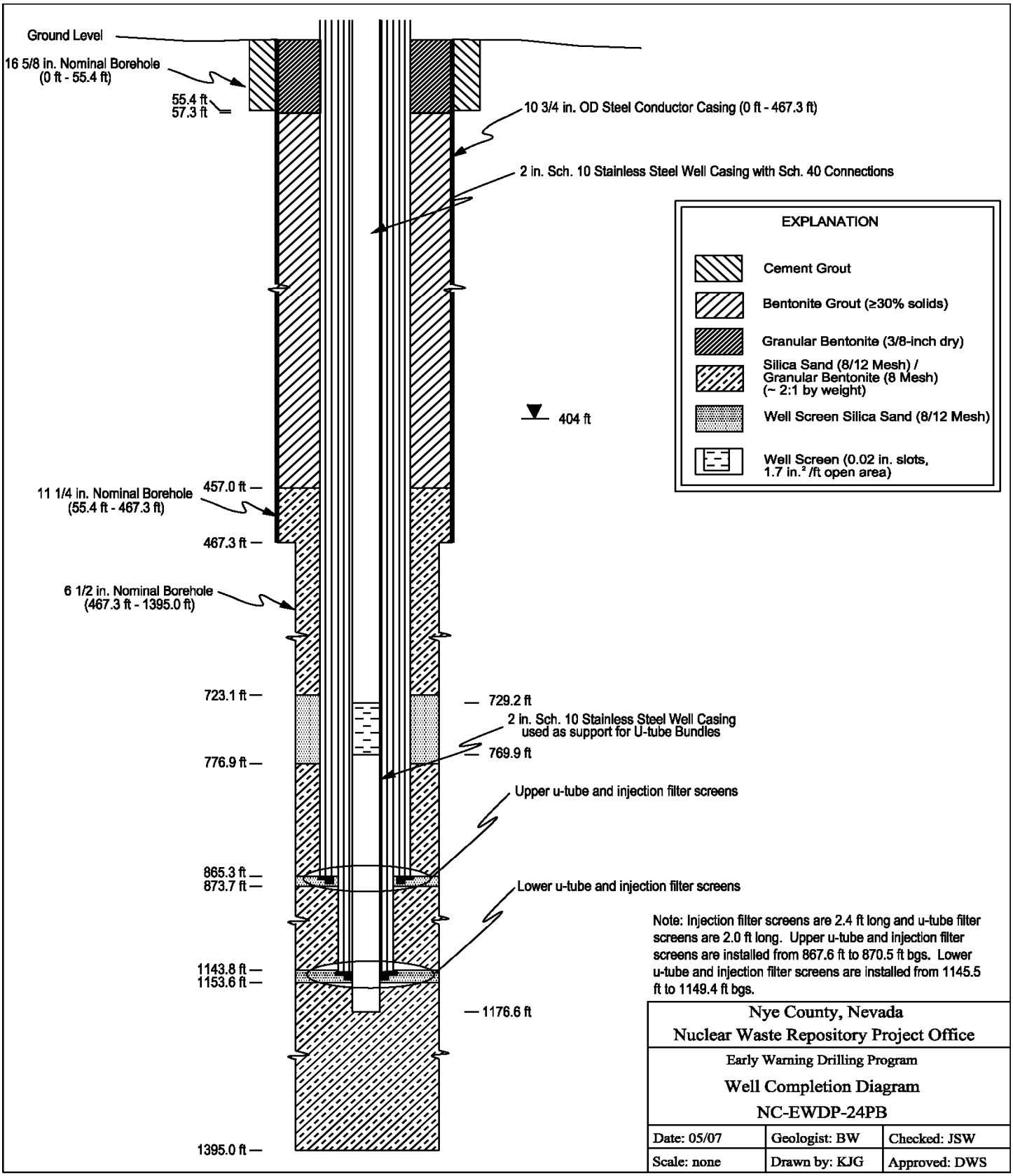


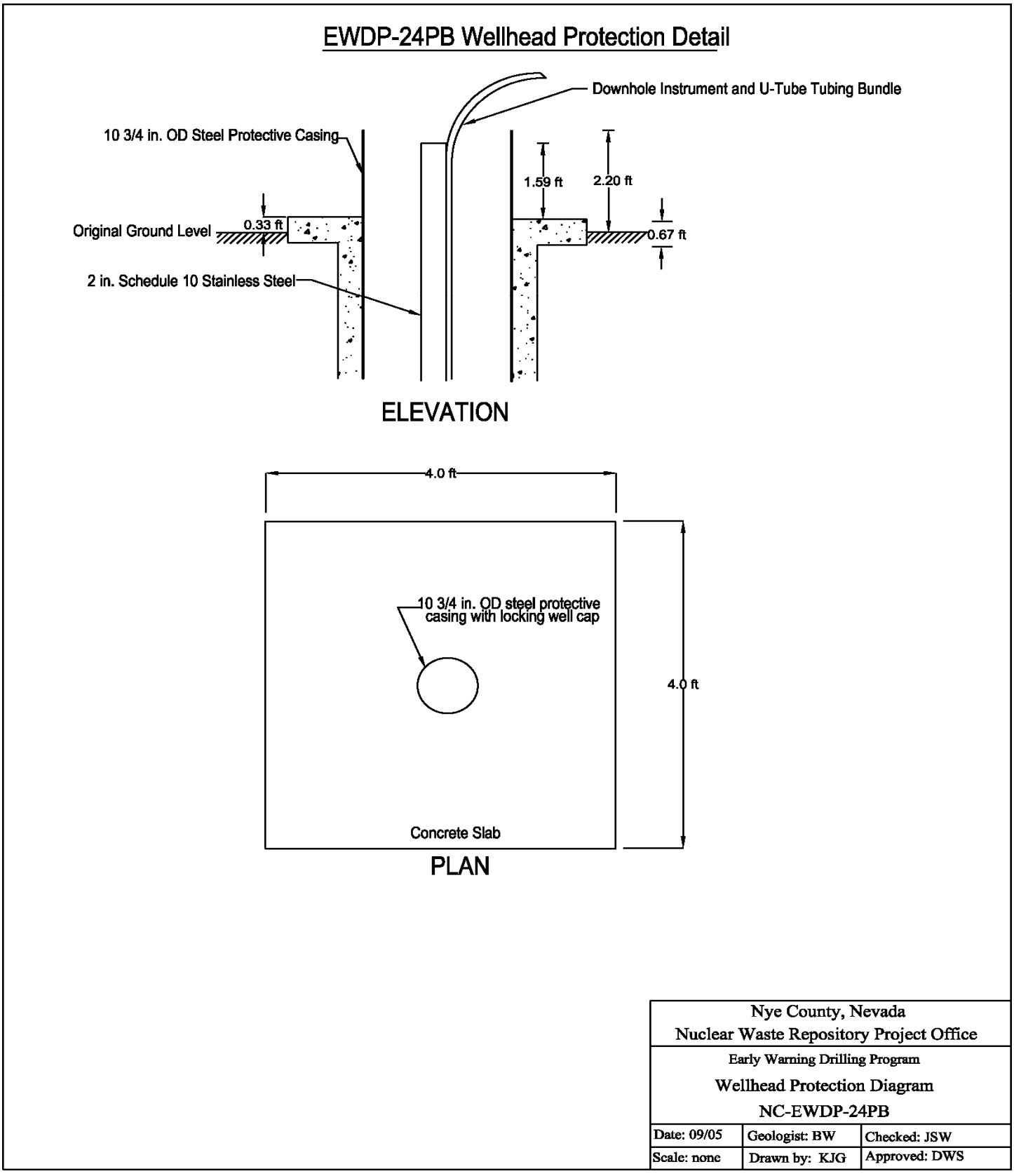
PLAN

Nye County, Nevada Nuclear Waste Repository Project Office		
Early Warning Drilling Program Wellhead Protection Diagram NC-EWDP-33P		
Date: 05/06	Geologist: SL	Checked: JSW
Scale: none	Drawn by: KJG	Approved: DS

Wellhead Protection Diagram for 33P



Single-String Piezometer, U-Tube, and Injection Instrumentation Completion Diagram for 24PB



Wellhead Protection Diagram for 24PB

Atterberg Limit Determinations

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	13P-2.5-5.0-D	8/31/05		19.7		19.6		20	
2	13P-7.5-10.0-D	8/31/05		16.0		15.4		16	
3	13P-12.5-15.0-D	8/31/05		14.4		15.0		15	
4	13P-17.5-20.0-D	8/31/05		14.4		15.5		15	
5	13P-22.5-25.0-D	8/31/05		19.3		19.7		20	
6	13P-27.5-30.0-D	8/31/05		18.4		19.6		19	
7	13P-32.5-35.0-D	8/31/05		20.0		19.8		20	
8	13P-37.5-40.0-D	8/31/05		18.5		19.0		19	
9	13P-42.5-45.0-D	9/2/05		24.1		24.9		25	
10	13P-47.5-50.0-D	9/2/05		20.9		21.2		21	
11	13P-52.5-55.0-D	9/2/05		22.9		20.4		22	
12	13P-57.5-60.0-D	9/2/05		12.0		11.8		12	
13	13P-62.5-65.0-D	9/2/05		26.6		27.8		27	
14	13P-67.5-70.0-D	9/2/05		15.0		14.0		15	
15	13P-72.5-75.0-D	9/2/05		14.0		13.3		14	
16	13P-77.5-80.0-D	9/2/05		17.4		16.3		17	
17	13P-82.5-85.0-D	9/7/05		26.0		25.4		26	
26	13P-162.5-165.0-D	9/7/05	21.7	22.0	21.7	22.3	22	22	0
27	13P-167.5-170.0-D	9/7/05	36.6	20.8	36.5	20.7	37	21	16
28	13P-172.5-175.0-D	9/7/05	25.5	19.4	25.4	19.6	25	20	5
29	13P-177.5-180.0-D	9/7/05	45.5	19.6	45.2	20.5	45	20	25
31	13P-192.5-195.0-D	9/7/05	45.1	20.8	45.1	20.6	45	21	24
32	13P-197.5-200.0-D	9/7/05	53.7	19.7	53.7	19.8	54	20	34
33	13P-202.5-205.0-D	9/8/05	21.1	21.8	21.0	22.4	21	22	-1
34	13P-207.5-210.0-D	9/8/05	22.2	21.8	21.9	22.0	22	22	0
35	13P-212.5-215.0-D	9/8/05	27.8	17.6	27.7	17.7	28	18	10
36	13P-217.5-220.0-D	9/8/05	20.0	19.9	19.9	18.2	20	19	1
37	13P-222.5-225.0-D	9/8/05	19.1	19.7	19.1	19.4	19	20	-1
38	13P-227.5-230.0-D	9/8/05	21.6	20.4	21.7	20.2	22	20	2
39	13P-232.5-235.0-D	9/8/05	19.4	18.7	19.4	18.1	19	18	1
40	13P-237.5-240.0-D	9/8/05	18.5	18.6	26.6	18.8	23	19	4
41	13P-242.5-245.0-D	9/9/05		19.7		20.3		20	
42	13P-247.5-250.0-D	9/9/05		20.7		21.2		21	
43	13P-252.5-255.0-D	9/9/05		18.9		18.6		19	
44	13P-257.5-260.0-D	9/9/05		18.0		17.7		18	

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Nuclear Waste Repository Project Office

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
2	22PC-7.5-10.0-D	7/26/05	20.2	21.2	20.3	20.6	20	21	-1
9	22PC-42.5-45.0-D	7/26/05	19.1	18.2	19.0	18.4	19	18	1
21	22PC-100.0-102.5-D	7/26/05	17.3	20.1	17.1	19.2	17	20	-3
33	22PC-157.5-160.0-D	7/26/05	27.2	21.9	27.1	22.4	27	22	5
37	22PC-177.5-180.0-D	7/26/05	26.4	25.9	26.1	25.2	26	26	0
40	22PC-192.5-195.0-D	7/26/05	28.9	27.1	29.1	26.6	29	27	2
45	22PC-217.5-220.0-D	7/26/05	24.1	25.5	24.1	25.3	24	25	-1
50	22PC-242.5-245.0-D	7/26/05	22.4	22.2	22.4	22.2	22	22	0
55	22PC-267.5-270.0-D	7/27/05	23.0	22.9	23.0	22.4	23	23	0
60	22PC-292.5-295.0-D	7/27/05	29.4	22.5	29.1	23.3	29	23	6
65	22PC-317.5-320.0-D	7/27/05	26.9	20.2	27.1	20.4	27	20	7
70	22PC-342.5-345.0-D	7/27/05	33.4	20.8	33.3	20.6	33	21	12
75	22PC-367.5-370.0-D	7/27/05	36.1	20.7	36.0	21.1	36	21	15
80	22PC-392.5-395.0-D	7/27/05	30.9	19.2	30.8	19.7	31	19	12
85	22PC-417.5-420.0-D	7/27/05	30.9	21.0	30.7	20.8	31	21	10
90	22PC-442.5-445.0-D	7/27/05	38.8	22.7	38.9	22.3	39	23	16

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Nuclear Waste Repository Project Office

Printed 11/13/2007 from Laboratory v3.10.mdb

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	22PC-460.0-460.5-SC	3/24/05	25.3	23.7	25.2	23.9	25	24	1
2	22PC-460.5-461.1-SC	3/24/05	22.4	21.7	22.2	20.8	22	21	1
3	22PC-461.1-461.8-SC	3/24/05	24.6	21.2	23.4	20.9	24	21	3
4	22PC-461.8-463.7-SC	3/24/05	23.4	20.9	23.1	21.0	23	21	2
5	22PC-463.7-464.2-SC	3/24/05	26.9	21.6	27.5	21.2	27	21	6
6	22PC-464.2-466.3-SC	3/24/05	31.1	24.1	30.8	23.8	31	24	7
7	22PC-466.3-468.1-SC	3/24/05	25.2	22.7	25.1	22.7	25	23	2
8	22PC-468.1-469.1-SC	3/24/05	25.8	22.7	25.9	22.0	26	22	4
9	22PC-469.1-471.4-SC	3/25/05	28.3	24.7	28.3	24.7	28	25	3
10	22PC-471.4-473.2-SC	3/25/05	28.5	25.6	27.8	25.9	28	26	2
11	22PC-473.2-474.5-SC	3/25/05	36.2	22.5	36.0	22.1	36	22	14
12	22PC-474.5-476.2-SC	3/25/05	34.9	23.9	34.6	23.7	35	24	11
13	22PC-476.2-481.8-SC	3/25/05	27.2	23.2	26.8	22.4	27	23	4
14	22PC-483.7-484.6-SC	3/25/05	23.7	21.3	23.7	21.1	24	21	3
15	22PC-484.6-488.8-SC	3/25/05	31.9	26.6	32.0	26.8	32	27	5
16	22PC-488.8-491.8-SC	3/25/05	28.9	19.5	29.0	19.1	29	19	10
17	22PC-492.1-493.8-SC	3/29/05	28.6	25.1	28.5	25.1	29	25	4
18	22PC-493.8-494.6-SC	3/29/05	26.0	19.7	25.9	20.1	26	20	6
19	22PC-494.6-497.2-SC	3/29/05	28.3	24.7	28.4	24.4	28	25	3
20	22PC-497.2-499.6-SC	3/29/05	32.4	23.9	32.5	23.9	32	24	8
21	22PC-499.6-501.4-SC	3/29/05	32.7	21.8	32.3	22.2	32	22	10
22	22PC-501.4-504.2-SC	3/29/05	28.9	19.9	29.1	19.3	29	20	9
23	22PC-504.5-505.0-SC	3/29/05	29.6	21.4	29.7	21.3	30	21	9
24	22PC-505.0-509.1-SC	3/29/05	32.2	26.5	32.3	25.8	32	26	6
25	22PC-509.1-509.4-SC	3/30/05	31.3	29.4	31.1	28.6	31	29	2
26	22PC-509.4-513.5-SC	3/30/05	35.1	34.2	35.3	33.5	35	34	1
27	22PC-513.5-516.2-SC	3/30/05	36.8	25.4	36.8	25.1	37	25	12
28	22PC-516.2-519.2-SC	3/30/05	36.4	26.0	36.5	25.3	36	26	10
29	22PC-520.4-521.1-SC	3/30/05	32.4	22.4	31.8	22.0	32	22	10
30	22PC-521.1-521.8-SC	3/30/05	39.8	24.6	39.7	24.1	40	24	16
31	22PC-521.8-522.7-SC	3/30/05	43.3	24.3	43.2	23.9	43	24	19
32	22PC-522.7-525.5-SC	3/30/05	37.6	25.1	37.7	25.4	38	25	13
33	22PC-525.5-526.5-SC	3/31/05	32.4	21.0	32.5	20.7	32	21	11
34	22PC-526.5-529.8-SC	3/31/05	38.2	21.8	38.6	21.8	38	22	16
35	22PC-529.8-531.3-SC	3/31/05	39.2	22.5	39.2	22.6	39	23	16

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
36	22PC-531.3-533.1-SC	3/31/05	37.9	21.2	37.9	20.8	38	21	17
37	22PC-533.1-534.1-SC	3/31/05	33.4	19.2	33.4	18.8	33	19	14
38	22PC-534.1-536.6-SC	3/31/05	33.1	23.8	33.1	23.6	33	24	9
39	22PC-536.6-537.8-SC	3/31/05	32.8	19.3	33.7	19.2	33	19	14
40	22PC-537.8-544.0-SC	3/31/05	30.1	22.8	30.2	23.0	30	23	7
41	22PC-544.2-546.7-SC	4/4/05	28.7	27.2	28.6	27.0	29	27	2
42	22PC-546.7-547.5-SC	4/4/05	28.3	27.9	28.4	28.2	28	28	0
43	22PC-547.5-549.5-SC	4/4/05	32.3	21.5	32.4	21.6	32	22	10
44	22PC-549.5-550.2-SC	4/4/05	29.9	20.7	29.8	20.4	30	21	9
45	22PC-550.2-552.8-SC	4/4/05	34.8	20.7	34.9	20.5	35	21	14
46	22PC-552.8-554.5-SC	4/4/05	35.7	20.5	35.8	21.2	36	21	15
47	22PC-554.5-560.2-SC	4/4/05	34.1	27.6	34.2	27.1	34	27	7
48	22PC-560.2-562.8-SC	4/4/05	35.1	21.4	35.1	21.0	35	21	14
49	22PC-562.8-565.4-SC	4/5/05	31.9	31.3	31.9	31.5	32	31	1
50	22PC-565.4-567.1-SC	4/5/05	31.6	23.1	33.5	22.9	33	23	10
51	22PC-567.1-568.1-SC	4/5/05	34.5	23.5	34.7	23.1	35	23	12
52	22PC-568.1-569.9-SC	4/5/05	29.2	27.4	29.2	27.4	29	27	2
53	22PC-569.9-571.3-SC	4/5/05	30.5	29.8	30.4	29.3	30	30	0
54	22PC-571.3-578.1-SC	4/5/05	34.4	29.1	34.5	28.6	34	29	5
55	22PC-578.1-578.6-SC	4/5/05	25.9	22.5	26.1	22.4	26	22	4
56	22PC-578.6-582.8-SC	4/5/05	30.4	27.2	30.3	28.0	30	28	2
57	22PC-582.8-585.3-SC	4/6/05	34.7	30.1	34.7	29.6	35	30	5
58	22PC-585.3-586.2-SC	4/6/05	27.2	22.2	27.3	22.5	27	22	5
59	22PC-586.2-587.0-SC	4/6/05	29.4	25.5	29.4	25.5	29	26	3
60	22PC-587.0-587.8-SC	4/6/05	27.3	19.1	27.3	19.1	27	19	8
61	22PC-587.8-594.5-SC	4/6/05	30.7	26.8	30.7	26.4	31	27	4
62	22PC-594.5-595.0-SC	4/6/05	35.3	22.0	35.6	21.7	35	22	13
63	22PC-595.0-595.7-SC	4/6/05	26.1	20.0	26.1	19.9	26	20	6
64	22PC-595.7-597.3-SC	4/6/05	31.7	25.7	31.7	25.8	32	26	6
65	22PC-597.3-599.6-SC	4/7/05	34.5	31.5	34.5	31.7	35	32	3
66	22PC-599.6-600.3-SC	4/7/05	32.2	31.4	32.2	31.8	32	32	0
67	22PC-600.3-601.9-SC	4/7/05	36.1	26.8	36.1	26.6	36	27	9
68	22PC-601.9-604.1-SC	4/7/05	35.9	25.5	36.2	26.1	36	26	10
69	22PC-604.1-604.7-SC	4/7/05	35.1	29.3	35.2	29.5	35	29	6
70	22PC-604.7-606.3-SC	4/7/05	34.4	23.4	34.5	23.0	34	23	11

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Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
71	22PC-606.6-609.3-SC	4/7/05	30.6	25.0	30.6	25.2	31	25	6
72	22PC-609.3-610.1-SC	4/7/05	30.5	25.4	30.5	25.2	31	25	6
73	22PC-610.1-611.8-SC	4/11/05	36.1	26.3	36.2	26.2	36	26	10
74	22PC-611.8-613.6-SC	4/11/05	39.6	27.3	39.5	27.3	40	27	13
75	22PC-613.6-615.4-SC	4/11/05	34.1	28.9	34.1	28.8	34	29	5
76	22PC-615.5-618.5-SC	4/11/05	31.5	29.6	31.6	29.8	32	30	2
77	22PC-618.5-620.0-SC	4/11/05	31.0	28.9	31.1	28.3	31	29	2
78	22PC-620.0-621.1-SC	4/11/05	32.2	31.0	32.3	30.2	32	31	1
79	22PC-621.1-623.0-SC	4/11/05	33.7	29.8	33.6	29.1	34	29	5
80	22PC-623.0-623.7-SC	4/11/05	29.4	20.4	29.2	19.8	29	20	9
81	22PC-625.2-629.1-SC	4/12/05	33.6	22.6	33.6	21.9	34	22	12
82	22PC-629.1-629.7-SC	4/12/05	31.3	21.3	31.4	21.2	31	21	10
83	22PC-629.7-631.0-SC	4/12/05	31.2	22.7	31.0	22.1	31	22	9
84	22PC-631.0-631.9-SC	4/12/05	33.1	23.4	33.1	23.2	33	23	10
85	22PC-632.1-634.1-SC	4/12/05	34.6	22.1	34.7	22.3	35	22	13
86	22PC-634.1-635.8-SC	4/12/05	33.7	20.9	33.8	20.4	34	21	13
87	22PC-636.1-637.7-SC	4/12/05	22.4	16.6	22.3	16.2	22	16	6
88	22PC-637.7-639.1-SC	4/12/05	30.7	20.3	30.6	19.9	31	20	11
89	22PC-639.1-641.3-SC	4/13/05	28.6	18.5	28.4	18.6	28	19	9
90	22PC-641.6-642.1-SC	4/13/05	29.4	19.8	29.5	19.8	29	20	9
91	22PC-642.1-645.0-SC	4/13/05	28.3	19.9	28.2	19.6	28	20	8
92	22PC-645.0-646.8-SC	4/13/05	33.0	20.0	32.8	20.3	33	20	13
93	22PC-646.8-648.4-SC	4/13/05	25.4	19.8	25.3	19.7	25	20	5
94	22PC-648.4-651.6-SC	4/13/05	36.6	24.7	36.6	23.6	37	24	13
95	22PC-651.6-652.8-SC	4/13/05	34.5	21.2	34.3	20.6	34	21	13
96	22PC-652.8-655.6-SC	4/13/05	33.3	20.3	33.4	20.2	33	20	13
97	22PC-655.6-656.8-SC	4/14/05	30.4	19.9	30.4	19.7	30	20	10
98	22PC-656.8-658.3-SC	4/14/05	35.1	22.2	35.0	21.7	35	22	13
99	22PC-658.3-659.5-SC	4/14/05	34.0	23.0	31.9	22.7	33	23	10
100	22PC-659.5-661.2-SC	4/14/05	31.1	21.4	31.1	21.3	31	21	10
101	22PC-661.2-663.3-SC	4/14/05	30.9	25.6	31.0	25.2	31	25	6
102	22PC-663.3-666.2-SC	4/14/05	29.7	20.6	29.7	20.4	30	20	10
103	22PC-666.2-668.0-SC	4/14/05	34.4	17.0	34.6	16.8	35	17	18
104	22PC-668.0-670.7-SC	4/14/05	31.0	20.7	30.9	20.4	31	21	10
105	22PC-670.7-673.2-SC	4/15/05	28.2	17.8	28.1	17.5	28	18	10

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Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
106	22PC-673.9-675.3-SC	4/15/05	32.7	26.8	32.3	26.7	33	27	6
107	22PC-675.3-677.3-SC	4/15/05	31.8	19.1	31.8	18.9	32	19	13
108	22PC-678.1-679.4-SC	4/15/05	28.6	22.0	28.6	21.9	29	22	7
109	22PC-679.4-684.2-SC	4/15/05	29.3	23.9	29.3	23.9	29	24	5
110	22PC-684.2-686.9-SC	4/15/05	28.4	22.7	28.4	22.0	28	22	6
111	22PC-686.9-687.4-SC	4/15/05	27.8	17.8	27.7	17.5	28	18	10
112	22PC-688.1-689.3-SC	4/15/05	31.7	22.7	31.7	23.0	32	23	9
113	22PC-689.3-690.1-SC	4/19/05	32.1	20.2	32.1	20.5	32	20	12
114	22PC-690.3-691.9-SC	4/19/05	32.0	24.2	31.9	24.6	32	24	8
115	22PC-691.9-692.7-SC	4/19/05	32.3	26.8	31.9	26.4	32	27	5
116	22PC-692.7-696.1-SC	4/19/05	32.2	22.0	31.7	22.2	32	22	10
117	22PC-696.1-699.2-SC	4/19/05	32.0	19.5	32.2	19.6	32	20	12
118	22PC-699.2-699.8-SC	4/19/05	28.7	22.1	28.8	21.9	29	22	7
119	22PC-699.8-701.0-SC	4/19/05	32.6	21.2	32.6	20.9	33	21	12
120	22PC-701.0-703.4-SC	4/19/05	34.1	22.1	34.2	22.3	34	22	12
121	22PC-703.4-704.9-SC	4/20/05	29.0	19.6	28.9	19.8	29	20	9
122	22PC-706.1-707.0-SC	4/20/05	27.0	20.3	27.1	19.9	27	20	7
123	22PC-707.0-709.0-SC	4/20/05	27.0	20.1	26.9	20.7	27	20	7
124	22PC-709.0-712.1-SC	4/20/05	19.5	16.4	19.5	17.1	19	17	2
125	22PC-712.1-714.0-SC	4/20/05	30.1	22.4	30.0	22.3	30	22	8
126	22PC-714.0-715.6-SC	4/20/05	25.0	20.2	25.1	20.5	25	20	5
127	22PC-715.6-718.7-SC	4/20/05	26.5	20.6	26.1	20.0	26	20	6
128	22PC-719.0-719.5-SC	4/20/05	25.5	17.7	25.4	17.5	25	18	7
129	22PC-719.5-720.4-SC	4/21/05	31.7	20.7	31.5	21.0	32	21	11
130	22PC-720.4-720.9-SC	4/21/05	27.6	18.2	27.6	17.8	28	18	10
131	22PC-721.5-725.5-SC	4/21/05	27.3	19.2	27.3	19.0	27	19	8
132	22PC-725.5-726.0-SC	4/21/05	29.7	19.0	29.6	19.5	30	19	11
133	22PC-726.0-728.8-SC	4/21/05	29.2	19.1	29.2	18.9	29	19	10
134	22PC-729.9-731.5-SC	4/21/05	26.9	18.7	27.0	18.9	27	19	8
135	22PC-731.5-733.2-SC	4/21/05	33.6	21.7	33.4	21.5	34	22	12
136	22PC-734.8-736.4-SC	4/21/05	29.1	18.4	29.1	17.8	29	18	11
137	22PC-736.4-737.1-SC	4/22/05	31.5	22.2	31.6	21.7	32	22	10
138	22PC-737.1-739.6-SC	4/22/05	29.6	18.9	29.6	18.4	30	19	11
139	22PC-739.9-741.8-SC	4/22/05	29.9	20.6	29.8	20.7	30	21	9
140	22PC-741.8-743.1-SC	4/22/05	31.5	21.7	31.4	21.3	31	22	9

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Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
141	22PC-743.1-745.9-SC	4/22/05	31.6	18.7	31.5	19.1	32	19	13
142	22PC-747.0-747.4-SC	4/22/05	27.0	20.8	27.1	20.7	27	21	6
143	22PC-747.4-749.1-SC	4/22/05	30.2	26.4	30.2	25.7	30	26	4
144	22PC-749.1-752.9-SC	4/22/05	29.1	20.7	29.2	20.7	29	21	8
145	22PC-752.9-754.9-SC	4/26/05	28.0	20.6	28.1	20.6	28	21	7
146	22PC-754.9-755.5-SC	4/26/05	30.4	20.9	30.6	21.5	30	21	9
147	22PC-755.5-759.2-SC	4/26/05	27.7	18.8	27.8	18.9	28	19	9
148	22PC-759.2-759.5-SC	4/26/05	22.1	19.9	21.9	19.2	22	20	2
149	22PC-759.5-761.3-SC	4/26/05	22.4	20.3	22.4	21.0	22	21	1
150	22PC-761.3-762.4-SC	4/26/05	24.2	19.2	24.1	19.1	24	19	5
151	22PC-762.4-762.8-SC	4/26/05	31.7	19.3	31.5	18.8	32	19	13

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-24PA

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	24PA-2.50-5.00-D	8/14/06		16.9		16.5		17	
2	24PA-7.50-10.00-D	8/14/06		22.3		22.0		22	
3	24PA-12.50-15.00-D	8/14/06		23.4		23.5		23	
4	24PA-17.50-20.00-D	8/14/06		23.0		22.8		23	
5	24PA-22.50-25.00-D	8/14/06		21.7		21.3		21	
6	24PA-27.50-30.00-D	8/14/06		21.1		20.7		21	
7	24PA-32.50-35.00-D	8/14/06		22.7		22.2		22	
8	24PA-37.50-40.00-D	8/14/06		21.7		21.6		22	
9	24PA-42.50-45.00-D	8/15/06		18.2		18.3		18	
10	24PA-47.50-50.00-D	8/15/06		18.1		18.3		18	
11	24PA-52.50-55.00-D	8/15/06		19.2		19.7		19	
12	24PA-57.50-60.00-D	8/15/06		17.4		17.5		17	
13	24PA-62.50-65.00-D	8/15/06		21.7		22.8		22	
14	24PA-67.50-70.00-D	8/15/06		20.9		21.3		21	
15	24PA-72.50-75.00-D	8/15/06		21.9		21.8		22	
16	24PA-77.50-80.00-D	8/15/06		25.2		25.0		25	
17	24PA-82.50-85.00-D	8/16/06		21.9		20.6		21	
18	24PA-87.50-90.00-D	8/16/06		23.9		23.2		24	
19	24PA-92.50-95.00-D	8/16/06		21.7		20.7		21	
20	24PA-97.50-100.00-D	8/16/06		23.7		22.8		23	
21	24PA-102.50-105.00-D	8/16/06		21.7		21.6		22	
22	24PA-107.50-110.00-D	8/16/06		22.3		23.3		23	
23	24PA-112.50-115.00-D	8/16/06		27.8		27.0		27	
24	24PA-117.50-120.00-D	8/16/06		24.5		25.0		25	
25	24PA-122.50-125.00-D	8/16/06		25.4		24.4		25	
26	24PA-127.50-130.00-D	8/16/06		25.6		25.8		26	
27	24PA-132.50-135.00-D	8/16/06		24.2		25.0		25	
28	24PA-137.50-140.00-D	8/16/06		23.9		22.8		23	
29	24PA-142.50-145.00-D	8/16/06		20.8		19.5		20	
30	24PA-147.50-150.00-D	8/16/06		23.7		23.8		24	

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	24PB-2.50-5.00-D	4/19/06		22.7		23.2		23	
2	24PB-7.50-10.00-D	4/19/06		26.3		27.2		27	
3	24PB-12.50-15.00-D	4/19/06		25.8		25.3		26	
4	24PB-17.50-20.00-D	4/19/06		23.5		23.1		23	
5	24PB-22.50-25.00-D	4/19/06		28.0		26.3		27	
6	24PB-27.50-30.00-D	4/19/06		23.6		23.7		24	
6	24PB-32.50-35.00-D	4/19/06		23.6		23.1		23	
8	24PB-37.50-40.00-D	4/19/06		19.9		19.7		20	
9	24PB-42.50-45.00-D	4/20/06		24.7		23.5		24	
10	24PB-47.50-50.00-D	4/20/06		24.2		23.9		24	
11	24PB-52.50-55.00-D	4/20/06		23.5		22.5		23	
12	24PB-57.50-60.00-D	4/20/06		25.3		25.6		25	
13	24PB-62.50-65.00-D	4/20/06		25.8		25.9		26	
14	24PB-67.50-70.00-D	4/20/06		25.2		25.4		25	
15	24PB-72.50-75.00-D	4/20/06		24.9		24.4		25	
16	24PB-77.50-80.00-D	4/20/06		23.4		23.3		23	
17	24PB-82.50-85.00-D	4/21/06		29.4		28.0		29	
18	24PB-87.50-90.00-D	4/21/06		27.0		27.3		27	
19	24PB-92.50-95.00-D	4/21/06		26.8		27.0		27	
20	24PB-97.50-100.00-D	4/21/06		26.3		26.1		26	
21	24PB-102.50-105.00-D	4/21/06		27.1		27.8		27	
22	24PB-107.50-110.00-D	4/21/06		29.0		28.3		29	
23	24PB-112.50-115.00-D	4/21/06		27.8		28.1		28	
24	24PB-117.50-120.00-D	4/21/06		28.2		28.1		28	
25	24PB-122.50-125.00-D	4/24/06		33.3		33.5		33	
26	24PB-127.50-130.00-D	4/24/06		32.2		31.9		32	
27	24PB-132.50-135.00-D	4/24/06		29.8		30.1		30	
28	24PB-137.50-140.00-D	4/24/06		22.7		22.2		22	
29	24PB-142.50-145.00-D	4/24/06		24.6		25.0		25	
30	24PB-147.50-150.00-D	4/24/06		22.5		23.5		23	
31	24PB-152.50-155.00-D	4/24/06		27.4		27.3		27	
32	24PB-157.50-160.00-D	4/24/06		28.3		28.4		28	
33	24PB-162.50-165.00-D	4/25/06		27.6		27.2		27	
34	24PB-167.50-170.00-D	4/25/06		29.8		30.4		30	
35	24PB-172.50-175.00-D	4/25/06		30.3		29.1		30	

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
36	24PB-177.50-180.00-D	4/25/06		24.0		23.9		24	
37	24PB-182.50-185.00-D	4/25/06		22.4		21.5		22	
38	24PB-187.50-190.00-D	4/25/06		21.6		21.6		22	
39	24PB-192.50-195.00-D	4/25/06		22.8		22.9		23	
40	24PB-197.50-200.00-D	4/25/06		25.6		26.1		26	
41	24PB-202.50-205.00-D	4/26/06		24.4		23.0		24	
42	24PB-207.50-210.00-D	4/26/06							
43	24PB-212.50-215.00-D	4/26/06	24.6	20.8	24.9	21.1	25	21	4
44	24PB-217.50-220.00-D	4/26/06		21.9		21.6		22	
45	24PB-222.50-225.00-D	4/26/06		22.8		23.2		23	
46	24PB-227.50-230.00-D	4/26/06		24.1		23.4		24	
47	24PB-232.50-235.00-D	4/26/06		21.9		23.6		23	
48	24PB-237.50-240.00-D	4/26/06		22.0		21.7		22	
49	24PB-242.50-245.00-D	4/27/06		23.0		23.6		23	
50	24PB-247.50-250.00-D	4/27/06	25.3	24.5	25.0	23.7	25	24	1
51	24PB-252.50-255.00-D	4/27/06	26.6	24.3	26.4	24.0	27	24	3
52	24PB-257.50-260.00-D	4/27/06		19.8		19.4		20	
53	24PB-262.50-265.00-D	4/27/06	25.5	24.2	25.2	22.3	25	23	2
54	24PB-267.50-270.00-D	4/27/06	24.5	21.2	23.9	20.7	24	21	3
55	24PB-272.50-275.00-D	4/27/06	32.5	19.5	32.1	20.4	32	20	12
56	24PB-277.50-280.00-D	4/27/06	28.7	20.4	28.3	20.5	29	20	9
57	24PB-282.50-285.00-D	4/28/06	28.5	22.2	28.4	22.1	28	22	6
58	24PB-287.50-290.00-D	4/28/06	27.9	22.5	27.7	22.4	28	22	6
59	24PB-292.50-295.00-D	4/28/06	25.1	21.9	24.8	21.4	25	22	3
60	24PB-297.50-300.00-D	4/28/06	24.8	23.9	24.3	23.9	25	24	1
61	24PB-302.50-305.00-D	4/28/06	27.1	26.4	26.9	26.3	27	26	1
62	24PB-307.50-310.00-D	4/28/06		26.8		27.2		27	
63	24PB-312.50-315.00-D	4/28/06		29.2		28.5		29	
64	24PB-317.50-320.00-D	4/28/06	29.3	18.8	29.1	18.2	29	18	11
65	24PB-322.50-325.00-D	5/2/06	25.9	23.9	25.7	23.7	26	24	2
66	24PB-327.50-330.00-D	5/2/06	25.5	22.4	25.4	22.3	25	22	3
67	24PB-332.50-335.00-D	5/2/06	24.0	19.9	23.9	20.3	24	20	4
68	24PB-337.50-340.00-D	5/2/06	23.2	22.8	23.0	22.6	23	23	0
69	24PB-342.50-345.00-D	5/2/06	23.1	21.5	22.9	21.4	23	21	2
70	24PB-347.50-350.00-D	5/2/06	23.4	22.4	23.4	21.8	23	22	1

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
71	24PB-352.50-355.00-D	5/2/06	24.4	23.3	24.2	23.7	24	24	0
72	24PB-357.50-360.00-D	5/2/06	22.3	21.6	22.3	20.9	22	21	1
73	24PB-362.50-365.00-D	5/3/06	24.8	23.8	24.5	23.4	25	24	1
74	24PB-367.50-370.00-D	5/3/06	23.4	23.1	23.3	22.5	23	23	0
75	24PB-372.50-375.00-D	5/3/06	24.6	22.5	24.4	22.1	24	22	2
76	24PB-377.50-380.00-D	5/3/06	24.4	19.9	24.4	18.7	24	19	5
77	24PB-382.50-385.00-D	5/3/06	23.2	20.4	23.1	19.7	23	20	3
78	24PB-387.50-390.00-D	5/3/06	22.5	21.6	22.4	21.8	22	22	0
79	24PB-392.50-395.00-D	5/3/06	22.0	20.1	21.8	20.9	22	20	2
80	24PB-397.50-400.00-D	5/3/06	22.9	21.0	22.9	21.8	23	21	2
81	24PB-402.50-405.00-D	5/3/06	22.1	21.0	21.9	20.6	22	21	1

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	32P-2.50-5.00-D	6/29/06		22.6		22.3		22	
2	32P-7.50-10.00-D	6/29/06		20.2		19.5		20	
3	32P-12.50-15.00-D	6/29/06		22.3		21.8		22	
4	32P-17.50-20.00-D	6/29/06		22.2		22.7		22	
5	32P-22.50-25.00-D	6/29/06		21.8		21.5		22	
6	32P-27.50-30.00-D	6/29/06		22.3		22.2		22	
7	32P-32.50-35.00-D	6/29/06		17.9		18.1		18	
8	32P-37.50-40.00-D	6/29/06		22.2		21.4		22	
9	32P-42.50-45.00-D	6/30/06		22.4		23.0		23	
10	32P-47.50-50.00-D	6/30/06		19.7		18.4		19	
11	32P-52.50-55.00-D	6/30/06		20.6		20.0		20	
12	32P-57.50-60.00-D	6/30/06		19.9		18.8		19	
13	32P-62.50-65.00-D	6/30/06		22.8		21.5		22	
14	32P-67.50-70.00-D	6/30/06		22.6		22.8		23	
15	32P-72.50-75.00-D	6/30/06		22.1		21.2		22	
16	32P-77.50-80.00-D	6/30/06		21.3		21.5		21	
17	32P-82.50-85.00-D	7/3/06		22.8		22.4		23	
18	32P-87.50-90.00-D	7/3/06		23.0		23.2		23	
19	32P-92.50-95.00-D	7/3/06		21.6		20.8		21	
20	32P-97.50-100.00-D	7/3/06		20.3		19.3		20	
21	32P-102.50-105.00-D	7/3/06		22.0		21.6		22	
22	32P-107.50-110.00-D	7/3/06		21.4		20.4		21	
23	32P-112.50-115.00-D	7/3/06		20.5		20.3		20	
24	32P-117.50-120.00-D	7/3/06		19.5		20.4		20	
25	32P-122.50-125.00-D	7/4/06		22.0		21.8		22	
26	32P-127.50-130.00-D	7/4/06		19.2		19.0		19	
27	32P-132.50-135.00-D	7/4/06		22.4		22.9		23	
28	32P-137.50-140.00-D	7/4/06		22.6		22.4		23	
29	32P-142.50-145.00-D	7/4/06	27.9	20.9	27.9	20.5	28	21	7
30	32P-147.50-150.00-D	7/4/06	23.5	20.6	23.5	20.4	23	20	3
31	32P-152.50-155.00-D	7/4/06	24.5	22.5	24.3	21.3	24	22	2
32	32P-157.50-160.00-D	7/4/06	21.2	19.3	21.1	20.3	21	20	1
33	32P-162.50-165.00-D	7/5/06		22.4		23.4		23	
34	32P-167.50-170.00-D	7/5/06	27.1	19.3	26.9	20.5	27	20	7
35	32P-172.50-175.00-D	7/5/06	26.4	20.8	25.9	20.2	26	21	5

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Determinations

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
36	32P-177.50-180.00-D	7/5/06	24.4	22.9	24.2	22.3	24	23	1
37	32P-182.50-185.00-D	7/5/06	24.6	20.8	24.3	20.2	24	20	4
38	32P-187.50-190.00-D	7/5/06	25.8	24.2	25.5	24.4	26	24	2
39	32P-192.50-195.00-D	7/5/06	35.0	21.8	34.7	20.8	35	21	14
40	32P-197.50-200.00-D	7/5/06	27.0	22.8	26.8	22.9	27	23	4
41	32P-202.50-205.00-D	7/6/06	27.9	19.5	27.5	19.1	28	19	9
42	32P-207.50-210.00-D	7/6/06	27.6	17.9	27.2	17.8	27	18	9
43	32P-212.50-215.00-D	7/6/06	25.7	18.3	25.2	18.6	25	18	7
44	32P-217.50-220.00-D	7/6/06	25.3	17.6	24.9	17.5	25	18	7
45	32P-222.50-225.00-D	7/6/06	23.0	20.5	22.7	19.6	23	20	3
46	32P-227.50-230.00-D	7/6/06	25.4	19.0	25.2	19.1	25	19	6
47	32P-232.50-235.00-D	7/6/06	27.3	17.2	27.0	16.9	27	17	10
48	32P-237.50-240.00-D	7/6/06	29.3	17.0	28.9	17.7	29	17	12
49	32P-242.50-245.00-D	7/7/06		20.5		19.8		20	
50	32P-247.50-250.00-D	7/7/06	27.1	19.7	27.0	19.3	27	20	7
51	32P-252.50-255.00-D	7/7/06	33.5	20.1	33.5	20.2	33	20	13
52	32P-257.50-260.00-D	7/7/06	28.0	19.5	27.7	19.0	28	19	9

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Atterberg Limit Censoring Report

Test ID	Sample Number	Test Date	Average Liquid Limit	Average Plastic Limit	Plasticity Index	Censored	Reasons for Censoring
50	32P-247.50-250.00-D	7/7/06	27	20	7	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	7/7/06	33	20	13	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
52	32P-257.50-260.00-D	7/7/06	28	19	9	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

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Electrical Conductivity

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	13P-2.5-5.0-D	8/24/05	200.8	307.1	106.3	0.976	103.7	101.1	584
2	13P-7.5-10.0-D	8/24/05	200.7	304.4	103.7	0.969	100.5	97.4	1185
3	10SA-12.50-15.00-D	3/25/05	200.3	300.2	99.9	0.994	99.3	98.7	416
3	13P-12.5-15.0-D	8/24/05	200.6	305.4	104.8	0.978	102.5	100.1	526
4	13P-17.5-20.0-D	8/24/05	200.8	304.7	103.9	0.980	101.8	99.7	380
5	13P-22.5-25.0-D	8/24/05	200.8	305.6	104.8	0.972	101.9	99.0	211
6	13P-27.5-30.0-D	8/24/05	200.8	302.2	101.4	0.982	99.6	97.8	143
7	13P-32.5-35.0-D	8/24/05	199.1	304.3	105.2	0.978	102.9	100.6	146
8	13P-37.5-40.0-D	8/24/05	198.9	305.6	106.7	0.983	104.9	103.2	123
9	13P-42.5-45.0-D	8/24/05	199.8	304.8	105.0	0.984	103.3	101.5	131
10	13P-47.5-50.0-D	8/24/05	200.9	305.7	104.8	0.975	102.2	99.5	138
11	13P-52.5-55.0-D	8/24/05	200.9	304.5	103.6	0.986	102.2	100.7	119
12	13P-57.5-60.0-D	8/24/05	200.7	306.8	106.1	0.989	104.9	103.8	105
13	13P-62.5-65.0-D	8/24/05	200.9	307.8	106.9	0.933	99.7	92.5	656
14	13P-67.5-70.0-D	8/24/05	200.6	305.7	105.1	0.962	101.1	97.1	258
15	13P-72.5-75.0-D	8/24/05	198.9	306.6	107.7	0.972	104.7	101.7	392
16	13P-77.5-80.0-D	8/24/05	200.7	306.9	106.2	0.980	104.0	101.8	744
17	13P-82.5-85.0-D	8/24/05	198.7	304.6	105.9	0.954	101.1	96.3	252
26	13P-162.5-165.0-D	8/24/05	199.8	307.5	107.7	0.928	100.0	92.2	352
27	13P-167.5-170.0-D	8/24/05	199.8	305.6	105.8	0.877	92.8	79.8	514
28	13P-172.5-175.0-D	8/24/05	200.7	307.1	106.4	0.899	95.6	84.8	458
29	13P-177.5-180.0-D	8/24/05	199.4	306.7	107.3	0.897	96.3	85.3	569
31	13P-192.5-195.0-D	8/24/05	199.5	307.4	107.9	0.845	91.2	74.5	682
32	13P-197.5-200.0-D	8/24/05	200.3	306.7	106.4	0.818	87.0	67.6	655
33	13P-202.5-205.0-D	8/25/05	200.7	305.5	104.8	0.951	99.6	94.5	385
34	13P-207.5-210.0-D	8/25/05	199.2	303.3	104.1	0.922	95.9	87.8	438
35	13P-212.5-215.0-D	8/25/05	200.6	306.5	105.9	0.931	98.6	91.3	431
36	13P-217.5-220.0-D	8/25/05	200.6	305.2	104.6	0.936	97.9	91.1	411
37	13P-222.5-225.0-D	8/25/05	200.6	303.4	102.8	0.939	96.5	90.3	393
38	13P-227.5-230.0-D	8/25/05	200.2	304.2	104.0	0.927	96.4	88.7	381
39	13P-232.5-235.0-D	8/25/05	201.0	305.2	104.2	0.931	97.0	89.9	367
40	13P-237.5-240.0-D	8/25/05	199.2	301.2	102.0	0.941	96.0	90.0	371
41	13P-242.5-245.0-D	8/25/05	201.6	306.3	104.7	0.955	100.0	95.3	318
42	13P-247.5-250.0-D	8/25/05	199.7	304.7	105.0	0.950	99.7	94.4	307
43	13P-252.5-255.0-D	8/25/05	200.8	305.6	104.8	0.944	98.9	93.1	340

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Electrical Conductivity

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
44	13P-257.5-260.0-D	8/25/05	199.3	304.1	104.8	0.949	99.4	94.1	312

Electrical Conductivity

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
40	13P-237.5-240.0-D-D	8/25/05	257.7	458.1	200.4	0.941	188.6	176.9	373

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Electrical Conductivity

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	22PC-2.5-5.0-D	3/1/05	200.5	306.7	106.2	0.969	102.9	99.6	243
5	22PC-22.5-25.0-D	3/1/05	200.6	307.8	107.2	0.994	106.6	106.0	294
9	22PC-42.5-45.0-D	3/1/05	200.7	306.3	105.6	0.980	103.5	101.5	196
13	22PC-60.0-62.5-D	3/1/05	201.9	309.2	107.3	0.979	105.0	102.8	127
17	22PC-80.0-82.5-D	3/1/05	199.6	305.6	106.0	0.968	102.6	99.3	127
21	22PC-100.0-102.5-D	3/1/05	200.4	302.5	102.1	0.982	100.2	98.4	118
25	22PC-117.5-120.0-D	3/1/05	200.6	302.3	101.7	0.982	99.9	98.1	146
29	22PC-137.5-140.0-D	3/1/05	200.7	308.9	108.2	0.978	105.8	103.4	109
33	22PC-157.5-160.0-D	3/1/05	199.4	309.5	110.1	0.965	106.3	102.5	158
37	22PC-177.5-180.0-D	3/1/05	199.6	306.9	107.3	0.956	102.6	97.9	155
38	22PC-182.5-185.0-D	3/1/05	200.7	308.1	107.4	0.945	101.5	95.5	114
39	22PC-187.5-190.0-D	3/1/05	200.7	302.9	102.2	0.948	96.9	91.6	114
40	22PC-192.5-195.0-D	3/1/05	199.5	307.8	108.3	0.946	102.5	96.7	102
41	22PC-197.5-200.0-D	3/1/05	199.5	308.8	109.3	0.950	103.8	98.3	147
42	22PC-202.5-205.0-D	3/1/05	199.9	303.7	103.8	0.952	98.8	93.8	151
43	22PC-207.5-210.0-D	3/1/05	200.7	303.2	102.5	0.950	97.4	92.3	139
44	22PC-212.5-215.0-D	3/1/05	200.5	304.9	104.4	0.972	101.5	98.7	130
45	22PC-217.5-220.0-D	3/1/05	200.7	305.4	104.7	0.966	101.1	97.5	116
46	22PC-222.5-225.0-D	3/1/05	199.4	303.7	104.3	0.950	99.1	93.8	119
47	22PC-227.5-230.0-D	3/1/05	200.7	304.2	103.5	0.958	99.1	94.8	87
48	22PC-232.5-235.0-D	3/2/05	199.4	305.4	106.0	0.960	101.8	97.5	85
49	22PC-237.5-240.0-D	3/2/05	199.3	306.7	107.4	0.973	104.5	101.6	77
50	22PC-242.5-245.0-D	3/2/05	200.6	307.5	106.9	0.971	103.8	100.6	109
51	22PC-247.5-250.0-D	3/2/05	199.6	301.2	101.6	0.969	98.5	95.4	45
52	22PC-252.5-255.0-D	3/2/05	199.5	304.2	104.7	0.962	100.8	96.8	50
53	22PC-257.5-260.0-D	3/2/05	199.5	302.9	103.4	0.958	99.1	94.7	87
54	22PC-262.5-265.0-D	3/2/05	199.2	308.6	109.4	0.946	103.5	97.5	44
55	22PC-267.5-270.0-D	3/2/05	199.7	305.9	106.2	0.951	101.0	95.7	45
56	22PC-272.5-275.0-D	3/2/05	199.6	303.2	103.6	0.939	97.3	91.1	36
57	22PC-277.5-280.0-D	3/2/05	199.4	302.9	103.5	0.952	98.6	93.6	38
58	22PC-282.5-285.0-D	3/7/05	200.6	306.8	106.2	0.959	101.9	97.6	70
59	22PC-287.5-290.0-D	3/7/05	199.2	303.8	104.6	0.955	99.9	95.2	91
60	22PC-292.5-295.0-D	3/7/05	199.6	304.3	104.7	0.934	97.8	90.9	49
61	22PC-297.5-300.0-D	3/7/05	200.1	306.6	106.5	0.952	101.4	96.2	41
62	22PC-302.5-305.0-D	3/7/05	200.1	302.3	102.2	0.958	97.9	93.7	53

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Electrical Conductivity

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
63	22PC-307.5-310.0-D	3/7/05	200.3	305.3	105.0	0.949	99.6	94.2	46
64	22PC-312.5-315.0-D	3/7/05	199.7	303.7	104.0	0.941	97.9	91.8	34
65	22PC-317.5-320.0-D	3/7/05	199.7	302.6	102.9	0.942	97.0	91.0	33
66	22PC-322.5-325.0-D	3/7/05	200.1	306.4	106.3	0.952	101.2	96.1	44
67	22PC-327.5-330.0-D	3/7/05	200.3	302.7	102.4	0.951	97.4	92.4	49
68	22PC-332.5-335.0-D	3/8/05	199.7	307.8	108.1	0.961	103.9	99.7	42
69	22PC-337.5-340.0-D	3/8/05	199.8	304.1	104.3	0.957	99.8	95.3	56
70	22PC-342.5-345.0-D	3/8/05	199.8	304.8	105.0	0.947	99.5	93.9	46
71	22PC-347.5-350.0-D	3/8/05	200.2	305.4	105.2	0.936	98.4	91.6	45
72	22PC-352.5-355.0-D	3/8/05	199.8	303.3	103.5	0.959	99.3	95.1	61
73	22PC-357.5-360.0-D	3/8/05	200.2	302.2	102.0	0.949	96.8	91.6	52
74	22PC-362.5-365.0-D	3/8/05	200.2	305.9	105.7	0.941	99.5	93.3	52
75	22PC-367.5-370.0-D	3/8/05	200.2	307.6	107.4	0.936	100.5	93.6	49
76	22PC-372.5-375.0-D	3/8/05	200.3	302.9	102.6	0.945	96.9	91.3	45
77	22PC-377.5-380.0-D	3/8/05	200.2	307.2	107.0	0.918	98.2	89.5	66
78	22PC-382.5-385.0-D	3/8/05	199.7	304.2	104.5	0.946	98.9	93.3	50
79	22PC-387.5-390.0-D	3/8/05	200.7	303.9	103.2	0.946	97.6	92.0	36
80	22PC-392.5-395.0-D	3/8/05	199.7	304.1	104.4	0.950	99.2	93.9	36
81	22PC-397.5-400.0-D	3/15/05	199.8	302.1	102.3	0.943	96.5	90.6	55
82	22PC-402.5-405.0-D	3/15/05	199.8	303.4	103.6	0.940	97.4	91.2	42
83	22PC-407.5-410.0-D	3/15/05	199.7	304.5	104.8	0.969	101.6	98.4	39
84	22PC-412.5-415.0-D	3/15/05	199.8	302.3	102.5	0.951	97.4	92.4	37
85	22PC-417.5-420.0-D	3/15/05	200.2	306.2	106.0	0.947	100.3	94.7	42
86	22PC-422.5-425.0-D	3/15/05	200.2	302.3	102.1	0.953	97.3	92.4	32
87	22PC-427.5-430.0-D	3/15/05	199.7	303.2	103.5	0.935	96.8	90.0	38
88	22PC-432.5-435.0-D	3/15/05	199.8	305.9	106.1	0.941	99.9	93.6	38
89	22PC-437.5-440.0-D	3/15/05	199.7	304.4	104.7	0.929	97.3	89.9	53
90	22PC-442.5-445.0-D	3/15/05	200.2	302.7	102.5	0.918	94.1	85.8	61
91	22PC-447.5-450.0-D	3/15/05	200.1	306.3	106.2	0.932	99.0	91.7	40
92	22PC-452.5-455.0-D	3/15/05	200.3	302.3	102.0	0.953	97.2	92.4	39
93	22PC-457.5-460.0-D	3/15/05	199.7	304.4	104.7	0.934	97.8	90.8	79

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Electrical Conductivity

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	22PC-460.0-460.5-SC	12/7/04	200.1	303.7	103.6	0.960	99.5	95.3	191
2	22PC-460.5-461.1-SC	12/7/04	200.2	304.5	104.3	0.949	98.9	93.6	128
3	22PC-461.1-461.8-SC	12/7/04	199.8	302.8	103.0	0.956	98.5	94.0	121
4	22PC-461.8-463.7-SC	12/7/04	199.9	302.5	102.6	0.957	98.2	93.7	327
5	22PC-463.7-464.2-SC	12/7/04	200.0	303.2	103.2	0.937	96.7	90.1	317
6	22PC-464.2-466.3-SC	12/7/04	199.8	303.7	103.9	0.951	98.8	93.8	204
7	22PC-466.3-468.1-SC	12/7/04	199.8	304.3	104.5	0.958	100.1	95.7	147
8	22PC-468.1-469.1-SC	12/7/04	200.1	303.9	103.8	0.948	98.4	93.1	145
9	22PC-469.1-471.4-SC	12/7/04	200.0	302.8	102.8	0.964	99.1	95.5	151
10	22PC-471.4-473.2-SC	12/7/04	199.8	303.2	103.4	0.953	98.6	93.7	208

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Electrical Conductivity

Cuttings samples from NC-EWDP-24PA

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	24PA-2.50-5.00-D	8/2/06	200.9	304.5	103.6	0.992	102.7	101.9	166
2	24PA-7.50-10.00-D	8/2/06	200.8	303.6	102.8	0.988	101.6	100.4	961
3	24PA-12.50-15.00-D	8/2/06	200.7	305.6	104.9	0.990	103.8	102.7	400
4	24PA-17.50-20.00-D	8/2/06	200.8	307.1	106.3	0.992	105.4	104.5	204
5	24PA-22.50-25.00-D	8/2/06	200.9	304.3	103.4	0.992	102.6	101.8	183
6	24PA-27.50-30.00-D	8/2/06	200.9	306.3	105.4	0.993	104.6	103.9	184
7	24PA-32.50-35.00-D	8/2/06	199.2	307.2	108.0	0.993	107.2	106.4	166
8	24PA-37.50-40.00-D	8/2/06	199.0	303.9	104.9	0.992	104.0	103.1	205
9	24PA-42.50-45.00-D	8/2/06	199.8	305.3	105.5	0.994	104.9	104.3	145
10	24PA-47.50-50.00-D	8/2/06	200.9	307.4	106.5	0.993	105.8	105.0	151
11	24PA-52.50-55.00-D	8/2/06	201.0	306.3	105.3	0.992	104.5	103.6	137
12	24PA-57.50-60.00-D	8/2/06	200.8	307.7	106.9	0.988	105.6	104.3	147
13	24PA-62.50-65.00-D	8/2/06	201.0	305.9	104.9	0.985	103.4	101.8	141
14	24PA-67.50-70.00-D	8/2/06	200.7	306.4	105.7	0.982	103.8	101.8	132
15	24PA-72.50-75.00-D	8/2/06	199.0	307.5	108.5	0.989	107.3	106.1	106
16	24PA-77.50-80.00-D	8/2/06	200.8	304.1	103.3	0.982	101.4	99.5	155
17	24PA-82.50-85.00-D	8/2/06	198.9	307.3	108.4	0.987	107.0	105.6	125
18	24PA-87.50-90.00-D	8/2/06	200.8	303.7	102.9	0.983	101.1	99.3	139
19	24PA-92.50-95.00-D	8/2/06	200.8	304.9	104.1	0.988	102.9	101.6	136
20	24PA-97.50-100.00-D	8/2/06	201.1	306.9	105.8	0.988	104.5	103.2	144
21	24PA-102.50-105.00-D	8/2/06	200.8	305.4	104.6	0.993	103.9	103.2	128
22	24PA-107.50-110.00-D	8/2/06	200.9	306.7	105.8	0.979	103.6	101.4	131
23	24PA-112.50-115.00-D	8/2/06	200.9	307.8	106.9	0.981	104.9	102.9	94
24	24PA-117.50-120.00-D	8/2/06	201.2	305.7	104.5	0.981	102.5	100.5	97
25	24PA-122.50-125.00-D	8/2/06	200.7	307.9	107.2	0.971	104.0	100.9	103
26	24PA-127.50-130.00-D	8/2/06	199.9	306.2	106.3	0.986	104.9	103.4	82
27	24PA-132.50-135.00-D	8/2/06	199.9	303.4	103.5	0.985	101.9	100.4	85
28	24PA-137.50-140.00-D	8/2/06	200.9	304.8	103.9	0.991	102.9	101.9	79
29	24PA-142.50-145.00-D	8/2/06	199.5	306.2	106.7	0.986	105.3	103.8	102
30	24PA-147.50-150.00-D	8/2/06	200.5	307.6	107.1	0.983	105.2	103.4	118

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Electrical Conductivity

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	24PB-2.50-5.00-D	3/9/06	200.9	305.5	104.6	0.975	101.9	99.3	1052
2	24PB-7.50-10.00-D	3/9/06	200.8	303.9	103.1	0.981	101.1	99.2	1015
3	24PB-12.50-15.00-D	3/9/06	200.6	305.3	104.7	0.984	103.1	101.5	420
4	24PB-17.50-20.00-D	3/9/06	200.8	307.1	106.3	0.986	104.8	103.2	257
5	24PB-22.50-25.00-D	3/9/06	200.9	306.1	105.2	0.969	101.9	98.6	243
6	24PB-27.50-30.00-D	3/9/06	200.8	302.4	101.6	0.985	100.1	98.6	153
7	24PB-32.50-35.00-D	3/9/06	199.1	307.5	108.4	0.983	106.6	104.8	166
8	24PB-37.50-40.00-D	3/9/06	199.1	304.2	105.1	0.991	104.1	103.1	182
9	24PB-42.50-45.00-D	3/9/06	199.8	306.9	107.1	0.993	106.3	105.6	142
10	24PB-47.50-50.00-D	3/9/06	200.9	302.4	101.5	0.984	99.9	98.3	146
11	24PB-52.50-55.00-D	3/9/06	201.0	304.9	103.9	0.994	103.3	102.7	101
12	24PB-57.50-60.00-D	3/9/06	200.8	307.6	106.8	0.991	105.9	104.9	161
13	24PB-62.50-65.00-D	3/9/06	200.9	304.2	103.3	0.994	102.7	102.1	122
14	24PB-67.50-70.00-D	3/9/06	200.7	305.6	104.9	0.995	104.4	103.8	95
15	24PB-72.50-75.00-D	3/9/06	198.9	306.5	107.6	0.993	106.9	106.2	130
16	24PB-77.50-80.00-D	3/9/06	200.8	304.1	103.3	0.988	102.0	100.8	123
17	24PB-82.50-85.00-D	3/9/06	198.8	306.3	107.5	0.988	106.2	105.0	85
18	24PB-87.50-90.00-D	3/9/06	200.8	305.8	105.0	0.992	104.1	103.3	74
19	24PB-92.50-95.00-D	3/9/06	200.8	307.3	106.5	0.992	105.6	104.8	125
20	24PB-97.50-100.00-D	3/9/06	201.0	304.5	103.5	0.994	102.9	102.3	148
21	24PB-102.50-105.00-D	3/9/06	200.8	305.2	104.4	0.992	103.6	102.8	115
22	24PB-107.50-110.00-D	3/9/06	200.9	303.9	103.0	0.987	101.6	100.3	109
23	24PB-112.50-115.00-D	3/9/06	200.8	305.5	104.7	0.986	103.2	101.7	102
24	24PB-117.50-120.00-D	3/9/06	201.0	304.5	103.5	0.983	101.7	99.9	138
25	24PB-122.50-125.00-D	3/13/06	200.5	306.5	106.0	0.978	103.7	101.3	77
26	24PB-127.50-130.00-D	3/13/06	199.6	304.4	104.8	0.985	103.2	101.6	82
27	24PB-132.50-135.00-D	3/13/06	199.7	307.6	107.9	0.979	105.7	103.4	79
28	24PB-137.50-140.00-D	3/13/06	200.6	304.3	103.7	0.984	102.1	100.5	94
29	24PB-142.50-145.00-D	3/13/06	199.2	305.6	106.4	0.985	104.8	103.2	116
30	24PB-147.50-150.00-D	3/13/06	200.3	303.6	103.3	0.977	101.0	98.6	143
31	24PB-152.50-155.00-D	3/13/06	199.5	302.7	103.2	0.978	100.9	98.6	150
32	24PB-157.50-160.00-D	3/13/06	200.2	304.1	103.9	0.972	101.0	98.0	146
33	24PB-162.50-165.00-D	3/13/06	200.6	305.2	104.6	0.970	101.5	98.4	138
34	24PB-167.50-170.00-D	3/13/06	199.2	303.8	104.6	0.973	101.7	98.9	164
35	24PB-172.50-175.00-D	3/13/06	200.6	307.1	106.5	0.968	103.1	99.7	156

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Electrical Conductivity

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
36	24PB-177.50-180.00-D	3/13/06	200.6	304.7	104.1	0.974	101.4	98.7	141
37	24PB-182.50-185.00-D	3/13/06	200.5	306.6	106.1	0.982	104.2	102.3	123
38	24PB-187.50-190.00-D	3/13/06	200.1	305.5	105.4	0.974	102.7	99.9	131
39	24PB-192.50-195.00-D	3/13/06	201.0	306.9	105.9	0.970	102.7	99.5	156
40	24PB-197.50-200.00-D	3/13/06	199.1	303.2	104.1	0.969	100.9	97.7	143
41	24PB-202.50-205.00-D	3/13/06	201.5	304.5	103.0	0.979	100.8	98.6	188
42	24PB-207.50-210.00-D	3/13/06	199.7	303.6	103.9	0.983	102.1	100.3	192
43	24PB-212.50-215.00-D	3/13/06	200.8	305.1	104.3	0.989	103.1	101.9	198
44	24PB-217.50-220.00-D	3/13/06	199.3	303.6	104.3	0.974	101.6	98.9	243
45	24PB-222.50-225.00-D	3/13/06	199.1	302.4	103.3	0.977	100.9	98.6	187
46	24PB-227.50-230.00-D	3/13/06	198.9	307.8	108.9	0.970	105.6	102.3	203
47	24PB-232.50-235.00-D	3/13/06	199.4	303.6	104.2	0.970	101.1	98.0	217
48	24PB-237.50-240.00-D	3/13/06	200.0	304.1	104.1	0.984	102.4	100.7	265
49	24PB-242.50-245.00-D	3/14/06	199.2	303.4	104.2	0.984	102.5	100.8	422
50	24PB-247.50-250.00-D	3/14/06	199.5	305.5	106.0	0.977	103.6	101.2	196
51	24PB-252.50-255.00-D	3/14/06	200.9	307.7	106.8	0.982	104.8	102.9	198
52	24PB-257.50-260.00-D	3/14/06	200.5	304.5	104.0	0.980	101.9	99.8	367
53	24PB-262.50-265.00-D	3/14/06	200.8	303.1	102.3	0.982	100.4	98.5	217
54	24PB-267.50-270.00-D	3/14/06	200.6	304.8	104.2	0.967	100.8	97.3	312
55	24PB-272.50-275.00-D	3/14/06	200.7	305.7	105.0	0.959	100.7	96.5	432
56	24PB-277.50-280.00-D	3/14/06	200.6	304.4	103.8	0.977	101.4	98.9	624
57	24PB-282.50-285.00-D	3/14/06	200.7	306.3	105.6	0.978	103.3	101.0	191
58	24PB-287.50-290.00-D	3/14/06	200.5	303.3	102.8	0.980	100.7	98.7	224
59	24PB-292.50-295.00-D	3/14/06	200.7	307.8	107.1	0.977	104.7	102.2	543
60	24PB-297.50-300.00-D	3/14/06	200.8	304.8	104.0	0.979	101.8	99.6	240
61	24PB-302.50-305.00-D	3/14/06	199.3	303.4	104.1	0.970	101.0	97.9	159
62	24PB-307.50-310.00-D	3/14/06	200.6	305.3	104.7	0.973	101.9	99.1	164
63	24PB-312.50-315.00-D	3/14/06	200.9	307.6	106.7	0.975	104.0	101.3	129
64	24PB-317.50-320.00-D	3/14/06	200.5	305.3	104.8	0.940	98.6	92.3	426
65	24PB-322.50-325.00-D	3/14/06	200.9	306.7	105.8	0.969	102.5	99.3	193
66	24PB-327.50-330.00-D	3/14/06	199.3	303.4	104.1	0.969	100.8	97.6	183
67	24PB-332.50-335.00-D	3/14/06	200.9	304.9	104.0	0.977	101.6	99.3	176
68	24PB-337.50-340.00-D	3/14/06	200.6	306.4	105.8	0.981	103.8	101.8	170
69	24PB-342.50-345.00-D	3/14/06	200.9	305.3	104.4	0.980	102.3	100.3	134
70	24PB-347.50-350.00-D	3/14/06	200.7	307.2	106.5	0.983	104.7	102.9	127

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Electrical Conductivity

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
71	24PB-352.50-355.00-D	3/14/06	199.6	306.4	106.8	0.987	105.4	104.1	135
72	24PB-357.50-360.00-D	3/14/06	200.6	303.8	103.2	0.986	101.7	100.2	324
73	24PB-362.50-365.00-D	3/15/06	199.6	307.5	107.9	0.989	106.7	105.5	139
74	24PB-367.50-370.00-D	3/15/06	201.1	305.2	104.1	0.986	102.7	101.3	142
75	24PB-372.50-375.00-D	3/15/06	200.8	304.7	103.9	0.988	102.6	101.4	165
76	24PB-377.50-380.00-D	3/15/06	200.8	306.8	106.0	0.986	104.5	102.9	295
77	24PB-382.50-385.00-D	3/15/06	200.6	304.3	103.7	0.986	102.3	100.9	162
78	24PB-387.50-390.00-D	3/15/06	200.7	307.8	107.1	0.984	105.4	103.7	134
79	24PB-392.50-395.00-D	3/15/06	199.8	305.7	105.9	0.979	103.7	101.5	132
80	24PB-397.50-400.00-D	3/15/06	201.1	304.8	103.7	0.977	101.3	98.9	398
81	24PB-402.50-405.00-D	3/15/06	200.8	307.4	106.6	0.956	101.9	97.3	174

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Electrical Conductivity

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	32P-2.50-5.00-D	5/22/06	200.8	306.5	105.7	0.996	105.3	104.9	141
2	32P-7.50-10.00-D	5/22/06	200.8	307.9	107.1	0.994	106.4	105.7	397
3	32P-12.50-15.00-D	5/22/06	200.7	303.4	102.7	0.993	102.0	101.3	549
4	32P-17.50-20.00-D	5/22/06	200.8	304.2	103.4	0.991	102.5	101.6	637
5	32P-22.50-25.00-D	5/22/06	200.9	307.2	106.3	0.994	105.7	105.1	284
6	32P-27.50-30.00-D	5/22/06	200.8	306.2	105.4	0.995	104.9	104.3	176
7	32P-32.50-35.00-D	5/22/06	199.1	305.8	106.7	1.024	109.2	111.7	138
8	32P-37.50-40.00-D	5/22/06	198.9	303.7	104.8	0.989	103.6	102.5	204
9	32P-42.50-45.00-D	5/22/06	199.8	306.5	106.7	0.993	106.0	105.2	171
10	32P-47.50-50.00-D	5/22/06	200.9	305.8	104.9	0.993	104.2	103.5	132
11	32P-52.50-55.00-D	5/22/06	201.0	307.3	106.3	0.993	105.6	104.8	153
12	32P-57.50-60.00-D	5/22/06	200.7	304.6	103.9	0.992	103.0	102.2	108
13	32P-62.50-65.00-D	5/22/06	200.9	306.1	105.2	0.991	104.2	103.3	131
14	32P-67.50-70.00-D	5/22/06	200.7	307.5	106.8	0.983	105.0	103.2	129
15	32P-72.50-75.00-D	5/22/06	198.9	303.2	104.3	0.979	102.1	99.8	162
16	32P-77.50-80.00-D	5/22/06	200.7	304.3	103.6	0.986	102.1	100.7	122
17	32P-82.50-85.00-D	5/22/06	198.8	306.6	107.8	0.984	106.0	104.3	143
18	32P-87.50-90.00-D	5/22/06	200.8	305.4	104.6	0.983	102.8	101.1	103
19	32P-92.50-95.00-D	5/22/06	200.8	306.6	105.8	0.989	104.7	103.5	117
20	32P-97.50-100.00-D	5/22/06	201.0	305.1	104.1	0.986	102.6	101.1	222
21	32P-102.50-105.00-D	5/22/06	200.8	306.8	106.0	0.970	102.8	99.6	188
22	32P-107.50-110.00-D	5/23/06	200.9	305.5	104.6	0.972	101.7	98.8	228
23	32P-112.50-115.00-D	5/23/06	200.8	304.4	103.6	0.964	99.8	96.1	156
24	32P-117.50-120.00-D	5/23/06	201.1	305.3	104.2	0.965	100.6	96.9	230
25	32P-122.50-125.00-D	5/23/06	200.7	303.9	103.2	0.967	99.8	96.5	165
26	32P-127.50-130.00-D	5/23/06	199.8	307.6	107.8	0.960	103.5	99.2	221
27	32P-132.50-135.00-D	5/23/06	199.9	304.8	104.9	0.977	102.5	100.1	160
28	32P-137.50-140.00-D	5/23/06	200.8	305.4	104.6	0.973	101.8	99.0	182
29	32P-142.50-145.00-D	5/23/06	199.4	305.8	106.4	0.960	102.1	97.8	204
30	32P-147.50-150.00-D	5/23/06	200.4	303.4	103.0	0.965	99.4	95.8	168
31	32P-152.50-155.00-D	5/23/06	199.6	305.3	105.7	0.977	103.3	100.8	180
32	32P-157.50-160.00-D	5/23/06	200.2	304.7	104.5	0.970	101.3	98.1	200
33	32P-162.50-165.00-D	5/23/06	200.7	305.4	104.7	0.973	101.9	99.1	200
34	32P-167.50-170.00-D	5/23/06	199.3	306.8	107.5	0.968	104.1	100.6	189
35	32P-172.50-175.00-D	5/23/06	200.6	303.6	103.0	0.974	100.4	97.7	183

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Electrical Conductivity

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
36	32P-177.50-180.00-D	5/23/06	200.7	307.3	106.6	0.975	104.0	101.4	113
37	32P-182.50-185.00-D	5/23/06	200.6	304.5	103.9	0.986	102.5	101.0	160
38	32P-187.50-190.00-D	5/23/06	200.2	306.7	106.5	0.973	103.6	100.7	122
39	32P-192.50-195.00-D	5/23/06	201.1	304.2	103.1	0.966	99.6	96.0	227
40	32P-197.50-200.00-D	5/23/06	199.2	305.5	106.3	0.967	102.8	99.3	191
41	32P-202.50-205.00-D	5/23/06	201.6	307.1	105.5	0.955	100.7	95.9	337
42	32P-207.50-210.00-D	5/23/06	199.8	306.9	107.1	0.966	103.4	99.7	188
43	32P-212.50-215.00-D	5/24/06	200.9	305.9	105.0	0.969	101.7	98.4	165
44	32P-217.50-220.00-D	5/24/06	199.4	303.3	103.9	0.968	100.6	97.3	141
45	32P-222.50-225.00-D	5/24/06	199.3	307.3	108.0	0.978	105.6	103.2	133
46	32P-227.50-230.00-D	5/24/06	199.1	304.9	105.8	0.970	102.6	99.4	143
47	32P-232.50-235.00-D	5/24/06	199.6	306.1	106.5	0.965	102.8	99.1	162
48	32P-237.50-240.00-D	5/24/06	200.2	305.1	104.9	0.965	101.3	97.6	150
49	32P-242.50-245.00-D	5/24/06	199.3	304.5	105.2	0.975	102.6	100.0	91
50	32P-247.50-250.00-D	5/24/06	199.6	303.4	103.8	0.966	100.3	96.7	73
51	32P-252.50-255.00-D	5/24/06	201.0	306.4	105.4	0.978	103.1	100.8	112
52	32P-257.50-260.00-D	5/24/06	200.6	305.8	105.2	0.974	102.4	99.7	105

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Electrical Conductivity Censoring Report

Test ID	Sample Number	Test Date	Electrical Conductivity (µmhos/cm)	Censored	Reasons for Censoring
50	32P-247.50-250.00-D	5/24/06	73	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	5/24/06	112	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
52	32P-257.50-260.00-D	5/24/06	105	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.

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(Used in EC Calculations) **Gravimetric Water Content** Page 1 of 2

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	13P-2.5-5.0-D	08/24/05	22.1	95.3	93.5	1.8	71.4	0.025
2	13P-7.5-10.0-D	08/24/05	22.4	96.3	94.1	2.3	71.7	0.032
3	13P-12.5-15.0-D	08/24/05	22.4	94.0	92.4	1.6	70.0	0.023
4	13P-17.5-20.0-D	08/24/05	22.6	92.9	91.5	1.4	69.0	0.020
5	13P-22.5-25.0-D	08/24/05	22.5	94.5	92.5	2.0	70.0	0.028
6	13P-27.5-30.0-D	08/24/05	22.2	92.6	91.3	1.3	69.1	0.018
7	13P-32.5-35.0-D	08/24/05	22.3	93.8	92.3	1.6	70.0	0.022
8	13P-37.5-40.0-D	08/24/05	22.5	93.1	91.9	1.2	69.4	0.017
9	13P-42.5-45.0-D	08/24/05	22.2	95.7	94.5	1.2	72.3	0.017
10	13P-47.5-50.0-D	08/24/05	22.3	95.6	93.7	1.8	71.4	0.026
11	13P-52.5-55.0-D	08/24/05	22.5	93.5	92.5	1.0	70.0	0.014
12	13P-57.5-60.0-D	08/24/05	22.2	96.8	95.9	0.8	73.7	0.011
13	13P-62.5-65.0-D	08/24/05	22.3	97.6	92.5	5.1	70.2	0.072
14	13P-67.5-70.0-D	08/24/05	22.3	95.2	92.4	2.8	70.1	0.039
15	13P-72.5-75.0-D	08/24/05	22.4	96.4	94.3	2.0	71.9	0.029
16	13P-77.5-80.0-D	08/24/05	22.3	96.0	94.5	1.5	72.2	0.021
17	13P-82.5-85.0-D	08/24/05	22.5	93.9	90.6	3.3	68.1	0.048
26	13P-162.5-165.0-D	08/24/05	22.5	94.9	89.7	5.2	67.2	0.077
27	13P-167.5-170.0-D	08/24/05	22.4	96.3	87.2	9.1	64.8	0.140
28	13P-172.5-175.0-D	08/24/05	22.4	95.8	88.4	7.5	66.0	0.113
29	13P-177.5-180.0-D	08/24/05	22.4	95.1	87.7	7.5	65.2	0.114
31	13P-192.5-195.0-D	08/24/05	22.3	95.5	84.1	11.4	61.9	0.183
32	13P-197.5-200.0-D	08/24/05	14.1	84.1	71.3	12.8	57.2	0.223
33	13P-202.5-205.0-D	08/25/05	22.1	94.8	91.2	3.6	69.2	0.052
34	13P-207.5-210.0-D	08/25/05	22.4	96.1	90.3	5.8	67.9	0.085
35	13P-212.5-215.0-D	08/25/05	22.4	94.3	89.3	4.9	66.9	0.074
36	13P-217.5-220.0-D	08/25/05	22.6	95.5	90.8	4.7	68.2	0.069
37	13P-222.5-225.0-D	08/25/05	22.5	92.7	88.4	4.3	66.0	0.065
38	13P-227.5-230.0-D	08/25/05	22.2	94.9	89.6	5.3	67.3	0.079
39	13P-232.5-235.0-D	08/25/05	22.3	94.1	89.1	4.9	66.9	0.074
40	13P-237.5-240.0-D	08/25/05	22.5	91.3	87.3	4.0	64.7	0.062
41	13P-242.5-245.0-D	08/25/05	22.2	93.9	90.7	3.2	68.5	0.047
42	13P-247.5-250.0-D	08/25/05	22.3	96.2	92.5	3.7	70.2	0.053
43	13P-252.5-255.0-D	08/25/05	22.5	96.8	92.6	4.2	70.1	0.059
44	13P-257.5-260.0-D	08/25/05	22.2	94.2	90.5	3.7	68.3	0.054

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
40	13P-237.5-240.0-D-D	08/25/05	22.5	91.3	87.3	4.0	64.7	0.062

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Gravimetric Water Content

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	13P-2.5-5.0-D	08/02/05	13.6	349.2	339.4	9.8	325.8	0.030
2	13P-7.5-10.0-D	08/02/05	13.6	462.3	457.6	4.8	444.0	0.011
3	13P-12.5-15.0-D	08/02/05	13.8	375.2	366.4	8.8	352.6	0.025
4	13P-17.5-20.0-D	08/02/05	13.7	544.8	532.6	12.3	518.9	0.024
5	13P-22.5-25.0-D	08/02/05	14.1	442.5	430.4	12.0	416.4	0.029
6	13P-27.5-30.0-D	08/02/05	14.4	391.2	384.0	7.3	369.6	0.020
7	13P-32.5-35.0-D	08/02/05	13.8	451.5	440.6	10.9	426.8	0.026
8	13P-37.5-40.0-D	08/02/05	13.6	510.9	501.1	9.8	487.5	0.020
9	13P-42.5-45.0-D	08/02/05	14.1	220.9	217.2	3.7	203.1	0.018
10	13P-47.5-50.0-D	08/02/05	13.6	318.5	311.0	7.4	297.4	0.025
11	13P-52.5-55.0-D	08/04/05	13.8	221.9	219.0	2.9	205.2	0.014
12	13P-57.5-60.0-D	08/04/05	14.2	224.0	221.3	2.7	207.1	0.013
13	13P-62.5-65.0-D	08/04/05	14.3	285.6	267.6	18.0	253.3	0.071
14	13P-67.5-70.0-D	08/04/05	14.2	222.1	213.9	8.2	199.7	0.041
15	13P-72.5-75.0-D	08/04/05	13.6	227.1	220.9	6.1	207.3	0.030
16	13P-77.5-80.0-D	08/04/05	14.1	105.2	103.5	1.7	89.4	0.019
17	13P-82.5-85.0-D	08/04/05	14.2	146.9	140.9	6.0	126.7	0.047
18	13P-87.5-90.0-D	08/04/05	231.1	1332.0	1322.3	9.7	1091.2	0.009
19	13P-92.5-95.0-D	08/04/05	14.2	1199.2	1179.4	19.8	1165.2	0.017
20	13P-97.5-100.0-D	08/04/05	13.5	1047.6	1035.4	12.2	1022.0	0.012
21	13P-102.5-105.0-D	08/05/05	13.8	988.1	979.0	9.1	965.2	0.009
22	13P-112.5-115.0-D	08/05/05	14.3	981.2	973.5	7.8	959.2	0.008
23	13P-117.5-120.0-D	08/05/05	14.3	1096.0	1087.8	8.2	1073.5	0.008
24	13P-122.5-125.0-D	08/05/05	14.2	1130.0	1123.0	7.0	1108.8	0.006
25	13P-127.5-130.0-D	08/05/05	13.6	1205.9	1198.4	7.5	1184.8	0.006
26	13P-162.5-165.0-D	08/05/05	14.2	319.7	299.2	20.5	285.0	0.072
27	13P-167.5-170.0-D	08/05/05	14.3	578.1	514.5	63.6	500.2	0.127
28	13P-172.5-175.0-D	08/05/05	13.5	363.7	331.4	32.3	317.9	0.102
29	13P-177.5-180.0-D	08/05/05	13.6	212.9	188.7	24.1	175.1	0.138
31	13P-192.5-195.0-D	08/08/05	13.8	257.8	218.9	38.9	205.1	0.190
32	13P-197.5-200.0-D	08/08/05	14.3	264.1	218.2	45.9	203.9	0.225
33	13P-202.5-205.0-D	08/08/05	14.3	217.0	206.6	10.4	192.3	0.054
34	13P-207.5-210.0-D	08/08/05	14.2	266.8	247.2	19.6	233.0	0.084
35	13P-212.5-215.0-D	08/08/05	13.8	230.1	215.0	15.0	201.2	0.075
36	13P-217.5-220.0-D	08/08/05	14.1	255.1	239.2	15.9	225.1	0.071

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Gravimetric Water Content

Cuttings samples from NC-EWDP-13P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
37	13P-222.5-225.0-D	08/08/05	13.6	204.2	192.2	12.0	178.6	0.067
38	13P-227.5-230.0-D	08/08/05	13.8	313.7	289.9	23.8	276.1	0.086
39	13P-232.5-235.0-D	08/08/05	14.3	165.7	154.4	11.3	140.1	0.081
40	13P-237.5-240.0-D	08/08/05	13.7	190.1	179.4	10.7	165.7	0.065
41	13P-242.5-245.0-D	08/09/05	13.8	127.2	122.6	4.6	108.8	0.042
42	13P-247.5-250.0-D	08/09/05	14.4	346.9	330.8	16.1	316.4	0.051
43	13P-252.5-255.0-D	08/09/05	13.8	380.6	359.9	20.8	346.0	0.060
44	13P-257.5-260.0-D	08/09/05	13.6	265.1	252.4	12.7	238.9	0.053
45	13P-262.5-265.0-D	08/09/05	14.2	755.2	705.1	50.1	691.0	0.072
46	13P-267.5-270.0-D	08/09/05	14.3	801.8	747.2	54.5	732.9	0.074
47	13P-272.5-275.0-D	08/09/05	14.1	768.9	728.8	40.1	714.7	0.056
48	13P-277.5-280.0-D	08/09/05	13.8	641.7	610.6	31.1	596.8	0.052
49	13P-282.5-285.0-D	08/09/05	14.2	704.2	653.2	51.0	639.0	0.080
50	13P-287.5-290.0-D	08/09/05	14.4	751.2	717.4	33.8	703.0	0.048
51	13P-295.0-300.0-D	08/09/05	14.3	675.1	587.2	87.9	573.0	0.153
52	13P-305.0-310.0-D	08/09/05	13.8	587.9	507.2	80.7	493.4	0.164
53	13P-315.0-320.0-D	08/10/05	13.8	734.1	602.2	131.9	588.4	0.224
54	13P-325.0-330.0-D	08/10/05	14.4	526.7	432.8	93.9	418.4	0.224
55	13P-335.0-340.0-D	08/10/05	14.0	619.7	537.7	82.1	523.7	0.157
56	13P-345.0-350.0-D	08/10/05	13.5	537.9	495.6	42.3	482.1	0.088
57	13P-355.0-360.0-D	08/10/05	13.9	364.0	360.9	3.2	347.0	0.009
58	13P-365.0-370.0-D	08/10/05	14.3	444.1	441.5	2.6	427.2	0.006
59	13P-375.0-380.0-D	08/10/05	14.4	367.8	358.0	9.8	343.6	0.029
60	13P-385.0-390.0-D	08/10/05	14.2	525.8	466.3	59.5	452.1	0.132
61	13P-395.0-400.0-D	08/10/05	13.9	529.3	469.2	60.1	455.3	0.132
62	13P-405.0-410.0-D	08/10/05	14.1	554.6	496.1	58.5	482.0	0.121
63	13P-415.0-420.0-D	08/10/05	14.3	591.8	522.4	69.5	508.0	0.137
64	13P-425.0-430.0-D	08/10/05	14.2	778.0	647.2	130.9	632.9	0.207

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	22PC-2.5-5.0-D	02/21/05	13.8	520.4	504.7	15.7	490.9	0.032
5	22PC-22.5-25.0-D	02/21/05	13.8	428.8	426.4	2.3	412.6	0.006
9	22PC-42.5-45.0-D	02/21/05	13.8	563.9	553.2	10.8	539.4	0.020
13	22PC-60.0-62.5-D	02/21/05	14.1	416.1	407.6	8.4	393.5	0.021
17	22PC-80.0-82.5-D	02/21/05	14.1	568.0	550.5	17.5	536.4	0.033
21	22PC-100.0-102.5-D	02/21/05	14.1	368.6	362.1	6.5	348.0	0.019
25	22PC-117.5-120.0-D	02/21/05	14.2	346.6	340.6	6.0	326.4	0.018
29	22PC-137.5-140.0-D	02/21/05	14.2	676.1	661.5	14.6	647.3	0.023
33	22PC-157.5-160.0-D	02/21/05	13.8	473.3	457.4	16.0	443.6	0.036
37	22PC-177.5-180.0-D	02/21/05	13.8	560.9	536.8	24.1	523.0	0.046
38	22PC-182.5-185.0-D	03/01/05	14.3	412.4	390.4	22.0	376.2	0.058
39	22PC-187.5-190.0-D	03/01/05	14.3	718.7	682.3	36.4	668.0	0.055
40	22PC-192.5-195.0-D	03/01/05	14.2	574.2	544.1	30.1	529.9	0.057
41	22PC-197.5-200.0-D	03/01/05	14.2	677.3	644.0	33.4	629.8	0.053
42	22PC-202.5-205.0-D	03/01/05	14.2	649.4	618.7	30.7	604.5	0.051
43	22PC-207.5-210.0-D	03/01/05	13.5	643.3	611.8	31.5	598.4	0.053
44	22PC-212.5-215.0-D	03/01/05	14.1	661.6	643.8	17.8	629.8	0.028
45	22PC-217.5-220.0-D	03/01/05	13.5	921.7	890.5	31.2	877.0	0.036
46	22PC-222.5-225.0-D	03/01/05	13.6	626.8	595.9	30.8	582.3	0.053
47	22PC-227.5-230.0-D	03/01/05	14.1	732.8	702.5	30.3	688.4	0.044
48	22PC-232.5-235.0-D	03/02/05	13.8	901.0	865.4	35.6	851.6	0.042
49	22PC-237.5-240.0-D	03/02/05	13.7	850.3	827.7	22.6	814.0	0.028
50	22PC-242.5-245.0-D	03/02/05	14.1	644.9	626.4	18.5	612.3	0.030
51	22PC-247.5-250.0-D	03/02/05	14.2	255.9	248.5	7.4	234.3	0.032
52	22PC-252.5-255.0-D	03/02/05	14.1	917.3	883.4	33.9	869.3	0.039
53	22PC-257.5-260.0-D	03/02/05	14.1	614.8	589.6	25.2	575.5	0.044
54	22PC-262.5-265.0-D	03/02/05	14.1	567.4	537.4	30.0	523.3	0.057
55	22PC-267.5-270.0-D	03/02/05	13.8	716.5	681.9	34.7	668.1	0.052
56	22PC-272.5-275.0-D	03/02/05	13.8	988.4	929.3	59.0	915.5	0.064
57	22PC-277.5-280.0-D	03/02/05	13.8	310.7	296.5	14.1	282.8	0.050
58	22PC-282.5-285.0-D	03/07/05	13.8	696.7	669.0	27.7	655.2	0.042
59	22PC-287.5-290.0-D	03/07/05	13.7	810.5	774.5	35.9	760.8	0.047
60	22PC-292.5-295.0-D	03/07/05	14.1	710.3	664.3	46.0	650.2	0.071
61	22PC-297.5-300.0-D	03/07/05	14.1	546.7	521.0	25.7	506.8	0.051
62	22PC-302.5-305.0-D	03/07/05	14.1	602.2	577.7	24.5	563.6	0.043

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(Used in EC Calculations) **Gravimetric Water Content** Page 2 of 3

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
63	22PC-307.5-310.0-D	03/07/05	14.1	437.0	415.3	21.7	401.2	0.054
64	22PC-312.5-315.0-D	03/07/05	14.1	857.4	807.8	49.5	793.7	0.062
65	22PC-317.5-320.0-D	03/07/05	13.8	1040.5	981.3	59.2	967.5	0.061
66	22PC-322.5-325.0-D	03/07/05	13.8	887.2	845.3	41.9	831.5	0.050
67	22PC-327.5-330.0-D	03/07/05	13.8	767.2	730.4	36.8	716.6	0.051
68	22PC-332.5-335.0-D	03/08/05	13.8	872.7	839.5	33.2	825.7	0.040
69	22PC-337.5-340.0-D	03/08/05	13.7	883.9	846.4	37.6	832.6	0.045
70	22PC-342.5-345.0-D	03/08/05	13.7	1000.3	948.3	52.0	934.6	0.056
71	22PC-347.5-350.0-D	03/08/05	13.8	893.9	837.2	56.7	823.4	0.069
72	22PC-352.5-355.0-D	03/08/05	13.6	609.2	585.0	24.2	571.4	0.042
73	22PC-357.5-360.0-D	03/08/05	14.3	800.1	760.2	39.9	745.9	0.053
74	22PC-362.5-365.0-D	03/08/05	14.3	834.1	786.0	48.1	771.7	0.062
75	22PC-367.5-370.0-D	03/08/05	13.8	489.5	459.0	30.5	445.2	0.069
76	22PC-372.5-375.0-D	03/08/05	14.3	839.6	794.2	45.5	779.8	0.058
77	22PC-377.5-380.0-D	03/08/05	13.8	942.0	866.0	76.0	852.2	0.089
78	22PC-382.5-385.0-D	03/08/05	14.2	768.1	727.5	40.5	713.4	0.057
79	22PC-387.5-390.0-D	03/08/05	13.6	771.5	730.3	41.3	716.6	0.058
80	22PC-392.5-395.0-D	03/08/05	13.8	794.1	754.9	39.2	741.1	0.053
81	22PC-397.5-400.0-D	03/15/05	13.5	705.8	666.4	39.4	652.8	0.060
82	22PC-402.5-405.0-D	03/15/05	13.7	905.3	851.8	53.5	838.1	0.064
83	22PC-407.5-410.0-D	03/15/05	13.9	637.6	618.5	19.1	604.6	0.032
84	22PC-412.5-415.0-D	03/15/05	13.8	652.6	621.0	31.6	607.3	0.052
85	22PC-417.5-420.0-D	03/15/05	13.7	905.3	857.6	47.7	843.9	0.057
86	22PC-422.5-425.0-D	03/15/05	13.8	515.6	491.9	23.8	478.0	0.050
87	22PC-427.5-430.0-D	03/15/05	14.1	817.6	765.2	52.4	751.1	0.070
88	22PC-432.5-435.0-D	03/15/05	13.9	769.3	724.9	44.4	711.0	0.062
89	22PC-437.5-440.0-D	03/15/05	14.3	989.6	920.5	69.2	906.2	0.076
90	22PC-442.5-445.0-D	03/15/05	14.2	624.3	574.6	49.8	560.4	0.089
91	22PC-447.5-450.0-D	03/15/05	14.3	841.0	784.6	56.3	770.3	0.073
92	22PC-452.5-455.0-D	03/15/05	13.8	806.2	768.8	37.4	755.0	0.050
93	22PC-457.5-460.0-D	03/15/05	14.3	672.3	628.7	43.7	614.4	0.071

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(Used in EC Calculations) **Gravimetric Water Content**

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	22PC-460.0-460.5-SC	12/07/04	13.6	732.1	703.4	28.7	689.8	0.042
2	22PC-460.5-461.1-SC	12/07/04	13.9	703.0	667.5	35.5	653.6	0.054
3	22PC-461.1-461.8-SC	12/07/04	13.7	924.0	884.1	39.9	870.5	0.046
4	22PC-461.8-463.7-SC	12/07/04	13.6	1088.2	1041.7	46.5	1028.1	0.045
5	22PC-463.7-464.2-SC	12/07/04	14.3	504.1	473.1	31.1	458.8	0.068
6	22PC-464.2-466.3-SC	12/07/04	13.8	1118.6	1064.7	53.9	1050.9	0.051
7	22PC-466.3-468.1-SC	12/07/04	13.6	835.0	800.3	34.7	786.7	0.044
8	22PC-468.1-469.1-SC	12/07/04	13.8	1258.7	1194.4	64.2	1180.7	0.054
9	22PC-469.1-471.4-SC	12/07/04	14.3	729.1	703.7	25.4	689.4	0.037
10	22PC-471.4-473.2-SC	12/07/04	13.6	869.1	829.0	40.1	815.5	0.049

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Gravimetric Water Content

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	22PC-2.5-5.0-D	10/29/04	13.6	519.1	500.8	18.3	487.3	0.037
2	22PC-7.5-10.0-D	10/29/04	13.6	506.3	491.0	15.3	477.4	0.032
3	22PC-12.5-15.0-D	10/29/04	13.6	515.4	503.4	12.0	489.8	0.025
4	22PC-17.5-20.0-D	10/29/04	13.7	510.3	505.3	5.0	491.6	0.010
5	22PC-22.5-25.0-D	10/29/04	14.3	538.1	534.6	3.5	520.3	0.007
6	22PC-27.5-30.0-D	10/29/04	14.2	699.2	691.5	7.6	677.3	0.011
7	22PC-32.5-35.0-D	10/29/04	14.1	505.4	498.6	6.7	484.6	0.014
8	22PC-37.5-40.0-D	10/29/04	14.1	532.3	522.9	9.3	508.8	0.018
9	22PC-42.5-45.0-D	10/29/04	13.8	520.0	509.3	10.8	495.5	0.022
10	22PC-47.5-50.0-D	10/29/04	14.2	583.7	574.4	9.4	560.2	0.017
11	22PC-52.5-55.0-D	10/29/04	13.8	506.5	494.5	12.0	480.7	0.025
12	22PC-57.5-60.0-D	10/29/04	13.8	535.3	526.0	9.2	512.2	0.018
13	22PC-60.0-62.5-D	10/29/04	13.8	512.7	501.1	11.5	487.4	0.024
14	22PC-65.0-67.5-D	10/29/04	13.5	524.6	505.2	19.4	491.7	0.039
15	22PC-70.0-72.5-D	10/29/04	13.8	525.7	506.5	19.2	492.6	0.039
16	22PC-75.0-77.5-D	10/29/04	14.2	531.3	516.2	15.1	502.0	0.030
17	22PC-80.0-82.5-D	10/29/04	14.3	507.6	492.0	15.6	477.7	0.033
18	22PC-85.0-87.5-D	10/29/04	13.8	523.8	508.1	15.7	494.3	0.032
19	22PC-90.0-92.5-D	10/29/04	13.8	536.7	526.0	10.7	512.2	0.021
20	22PC-95.0-97.5-D	10/29/04	14.1	689.8	670.3	19.5	656.2	0.030
21	22PC-100.0-102.5-D	10/29/04	14.1	502.9	492.5	10.4	478.4	0.022
22	22PC-105.0-107.5-D	10/29/04	14.2	527.7	517.5	10.1	503.3	0.020
23	22PC-110.0-112.5-D	10/29/04	14.1	528.7	514.2	14.5	500.1	0.029
24	22PC-115.0-117.5-D	10/29/04	13.7	505.0	490.9	14.1	477.2	0.030
25	22PC-117.5-120.0-D	10/29/04	14.2	532.5	519.2	13.3	505.0	0.026
26	22PC-122.5-125.0-D	10/29/04	14.2	589.8	578.0	11.8	563.8	0.021
27	22PC-127.5-130.0-D	10/29/04	14.1	510.7	501.4	9.4	487.3	0.019
28	22PC-132.5-135.0-D	10/29/04	14.3	517.3	506.5	10.8	492.3	0.022
29	22PC-137.5-140.0-D	10/29/04	13.6	539.1	527.8	11.2	514.3	0.022
30	22PC-142.5-145.0-D	10/29/04	14.0	534.6	513.1	21.5	499.1	0.043
31	22PC-147.5-150.0-D	10/29/04	13.8	529.6	512.5	17.1	498.8	0.034
32	22PC-152.5-155.0-D	10/29/04	14.1	528.7	513.1	15.5	499.0	0.031
33	22PC-157.5-160.0-D	10/29/04	13.7	520.2	503.8	16.4	490.1	0.034
34	22PC-162.5-165.0-D	10/29/04	14.2	558.8	541.6	17.2	527.4	0.033
35	22PC-167.5-170.0-D	10/29/04	14.3	444.9	426.1	18.7	411.8	0.046

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Gravimetric Water Content

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	22PC-172.5-175.0-D	10/29/04	13.8	503.5	490.0	13.5	476.2	0.028
37	22PC-177.5-180.0-D	10/29/04	14.2	705.5	671.6	33.9	657.4	0.052
38	22PC-182.5-185.0-D	10/29/04	13.6	514.7	485.1	29.6	471.5	0.063
39	22PC-187.5-190.0-D	11/01/04	14.6	536.2	505.2	30.9	490.7	0.063
40	22PC-192.5-195.0-D	11/01/04	14.1	516.0	486.9	29.1	472.9	0.062
41	22PC-197.5-200.0-D	11/01/04	14.1	523.8	496.1	27.6	482.1	0.057
42	22PC-202.5-205.0-D	11/01/04	14.7	538.5	510.5	27.9	495.9	0.056
43	22PC-207.5-210.0-D	11/01/04	14.5	526.3	497.4	29.0	482.8	0.060
44	22PC-212.5-215.0-D	11/01/04	14.1	536.7	513.2	23.5	499.1	0.047
45	22PC-217.5-220.0-D	11/01/04	14.0	531.9	514.4	17.5	500.4	0.035
46	22PC-222.5-225.0-D	11/01/04	13.9	520.8	493.8	27.0	479.8	0.056
47	22PC-227.5-230.0-D	11/01/04	14.1	551.4	430.5	120.9	416.4	0.290
48	22PC-232.5-235.0-D	11/01/04	14.6	516.3	496.1	20.2	481.6	0.042
49	22PC-237.5-240.0-D	11/01/04	14.6	513.5	499.7	13.8	485.0	0.028
50	22PC-242.5-245.0-D	11/01/04	13.9	522.2	506.1	16.0	492.2	0.033
51	22PC-247.5-250.0-D	11/01/04	14.2	546.3	526.2	20.1	512.0	0.039
52	22PC-252.5-255.0-D	11/01/04	14.3	539.6	518.8	20.8	504.5	0.041
53	22PC-257.5-260.0-D	11/01/04	14.3	518.2	498.2	20.0	483.8	0.041
54	22PC-262.5-265.0-D	11/01/04	14.3	537.5	505.3	32.1	491.0	0.065
55	22PC-267.5-270.0-D	11/01/04	14.3	558.3	533.0	25.3	518.7	0.049
56	22PC-272.5-275.0-D	11/01/04	14.3	543.1	513.0	30.0	498.8	0.060
57	22PC-277.5-280.0-D	11/01/04	14.2	557.5	528.8	28.7	514.6	0.056
58	22PC-282.5-285.0-D	11/01/04	14.2	556.5	534.5	22.0	520.2	0.042
59	22PC-287.5-290.0-D	11/01/04	14.2	537.5	501.4	36.1	487.2	0.074
60	22PC-292.5-295.0-D	11/01/04	14.6	539.6	506.0	33.6	491.4	0.068
61	22PC-297.5-300.0-D	11/01/04	14.6	547.6	517.1	30.5	502.5	0.061
62	22PC-302.5-305.0-D	11/01/04	14.5	529.4	505.5	24.0	490.9	0.049
63	22PC-307.5-310.0-D	11/01/04	14.6	555.0	525.1	29.8	510.5	0.058
64	22PC-312.5-315.0-D	11/01/04	14.6	505.0	477.4	27.6	462.8	0.060
65	22PC-317.5-320.0-D	11/01/04	14.6	536.5	507.3	29.2	492.7	0.059
66	22PC-322.5-325.0-D	11/01/04	14.8	527.1	501.9	25.2	487.1	0.052
67	22PC-327.5-330.0-D	11/01/04	14.6	528.3	501.2	27.2	486.6	0.056
68	22PC-332.5-335.0-D	11/01/04	14.1	511.1	488.8	22.3	474.7	0.047
69	22PC-337.5-340.0-D	11/01/04	14.6	505.3	482.5	22.8	467.9	0.049
70	22PC-342.5-345.0-D	11/01/04	14.0	532.5	503.2	29.3	489.2	0.060

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Gravimetric Water Content

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	22PC-347.5-350.0-D	11/01/04	14.5	536.8	502.0	34.7	487.5	0.071
72	22PC-352.5-355.0-D	11/01/04	14.0	594.7	569.9	24.8	555.9	0.045
73	22PC-357.5-360.0-D	11/01/04	13.9	517.1	492.2	24.8	478.3	0.052
74	22PC-362.5-365.0-D	11/01/04	14.7	546.3	513.7	32.6	499.0	0.065
75	22PC-367.5-370.0-D	11/01/04	14.6	506.9	476.2	30.7	461.6	0.067
76	22PC-372.5-375.0-D	11/01/04	14.6	553.6	523.5	30.1	508.9	0.059
77	22PC-377.5-380.0-D	11/01/04	14.7	569.6	526.8	42.8	512.1	0.084
78	22PC-382.5-385.0-D	11/01/04	14.7	532.7	503.5	29.2	488.7	0.060
79	22PC-387.5-390.0-D	11/01/04	14.7	548.8	520.2	28.6	505.4	0.057
80	22PC-392.5-395.0-D	11/01/04	14.7	532.0	503.9	28.1	489.2	0.057
81	22PC-397.5-400.0-D	10/21/04	14.2	594.9	560.0	34.9	545.8	0.064
82	22PC-402.5-405.0-D	10/21/04	13.6	1128.1	1058.7	69.4	1045.1	0.066
83	22PC-407.5-410.0-D	10/21/04	14.3	1243.3	1200.8	42.5	1186.5	0.036
84	22PC-412.5-415.0-D	10/21/04	13.6	699.6	664.1	35.5	650.5	0.055
85	22PC-417.5-420.0-D	10/21/04	13.6	575.9	546.4	29.5	532.8	0.055
86	22PC-422.5-425.0-D	10/21/04	13.6	1214.4	1152.6	61.8	1139.0	0.054
87	22PC-427.5-430.0-D	10/21/04	14.3	1284.3	1205.9	78.4	1191.6	0.066
88	22PC-432.5-435.0-D	10/21/04	13.8	1358.0	1280.7	77.3	1266.9	0.061
89	22PC-437.5-440.0-D	10/21/04	14.4	1021.1	948.5	72.6	934.1	0.078
90	22PC-442.5-445.0-D	10/21/04	14.1	1273.5	1172.8	100.6	1158.7	0.087
91	22PC-447.5-450.0-D	10/21/04	14.3	1559.1	1456.9	102.2	1442.7	0.071
92	22PC-452.5-455.0-D	10/21/04	13.6	1230.1	1174.8	55.3	1161.2	0.048
93	22PC-457.5-460.0-D	10/21/04	14.3	1258.1	1175.2	82.9	1160.8	0.071

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Gravimetric Water Content

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	22PC-460.0-460.5-SC	11/11/04	232.6	5812.6	5526.7	285.9	5294.1	0.054
2	22PC-460.5-461.1-SC	11/11/04	231.0	9071.0	8794.7	276.3	8563.7	0.032
3	22PC-461.1-461.8-SC	11/11/04	230.9	6130.9	5884.6	246.3	5653.7	0.044
4	22PC-461.8-463.7-SC	11/11/04	232.5	8782.5	8476.7	305.8	8244.2	0.037
5	22PC-463.7-464.2-SC	11/11/04	230.6	4160.6	4079.4	81.2	3848.8	0.021
6	22PC-464.2-466.3-SC	11/11/04	230.8	10220.8	9870.1	350.7	9639.3	0.036
7	22PC-466.3-468.1-SC	11/11/04	232.6	9372.6	9071.4	301.2	8838.8	0.034
8	22PC-468.1-469.1-SC	11/11/04	230.9	9910.9	9390.7	520.2	9159.8	0.057
9	22PC-469.1-471.4-SC	11/11/04	230.7	9140.7	8589.8	550.9	8359.1	0.066
10	22PC-471.4-473.2-SC	11/11/04	232.6	8332.6	7239.4	1093.2	7006.8	0.156
11	22PC-473.2-474.5-SC	11/12/04	230.6	5410.6	4894.1	516.5	4663.5	0.111
12	22PC-474.5-476.2-SC	11/12/04	232.4	10152.4	8947.2	1205.2	8714.8	0.138
13	22PC-476.2-481.8-SC	11/12/04	230.6	13570.6	11804.3	1766.3	11573.7	0.153
14	22PC-483.7-484.6-SC	11/12/04	230.6	5380.6	4953.7	426.9	4723.1	0.090
15	22PC-484.6-488.8-SC	11/12/04	232.5	10682.5	9838.3	844.2	9605.8	0.088
16	22PC-488.8-491.8-SC	11/12/04	232.5	8312.5	7728.7	583.8	7496.2	0.078
17	22PC-492.1-493.8-SC	11/12/04	230.6	6670.6	6097.4	573.2	5866.8	0.098
18	22PC-493.8-494.6-SC	11/12/04	232.5	8722.5	8134.0	588.5	7901.5	0.074
19	22PC-494.6-497.2-SC	11/12/04	230.6	9410.6	8468.5	942.1	8237.9	0.114
20	22PC-497.2-499.6-SC	11/12/04	230.6	11420.6	10558.2	862.4	10327.6	0.084
21	22PC-499.6-501.4-SC	11/12/04	232.5	8382.5	7852.5	530.0	7620.0	0.070
22	22PC-501.4-504.2-SC	11/12/04	230.6	12310.6	11634.8	675.8	11404.2	0.059
23	22PC-504.5-505.0-SC	11/12/04	230.7	8960.7	8161.0	799.7	7930.3	0.101
24	22PC-505.0-509.1-SC	11/12/04	234.3	10774.3	9851.9	922.4	9617.6	0.096
25	22PC-509.1-509.4-SC	11/15/04	230.5	3420.5	2848.4	572.1	2617.9	0.219
26	22PC-509.4-513.5-SC	11/15/04	230.5	10260.5	9392.4	868.1	9161.9	0.095
27	22PC-513.5-516.2-SC	11/17/04	234.1	10354.1	9026.8	1327.3	8792.7	0.151
28	22PC-516.2-519.2-SC	11/17/04	234.1	5264.1	4744.9	519.2	4510.8	0.115
29	22PC-520.4-521.1-SC	11/17/04	230.6	6860.6	6342.2	518.4	6111.6	0.085
30	22PC-521.1-521.8-SC	11/17/04	234.1	4334.1	3850.9	483.2	3616.8	0.134
31	22PC-521.8-522.7-SC	11/17/04	234.1	5474.1	5109.2	364.9	4875.1	0.075
32	22PC-522.7-525.5-SC	11/17/04	230.6	8110.6	7343.7	766.9	7113.1	0.108
33	22PC-525.5-526.5-SC	11/19/04	230.6	5660.6	5198.2	462.4	4967.6	0.093
34	22PC-526.5-529.8-SC	11/19/04	234.1	4824.1	4392.7	431.4	4158.6	0.104
35	22PC-529.8-531.3-SC	11/19/04	234.1	3914.1	3611.2	302.9	3377.1	0.090

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Gravimetric Water Content

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	22PC-531.3-533.1-SC	11/19/04	234.1	5154.1	4712.1	442.0	4478.0	0.099
37	22PC-533.1-534.1-SC	11/19/04	234.1	5874.1	4727.3	1146.8	4493.2	0.255
38	22PC-534.1-536.6-SC	11/19/04	234.1	11154.1	10129.0	1025.1	9894.9	0.104
39	22PC-536.6-537.8-SC	11/22/04	230.4	4480.4	4106.8	373.6	3876.4	0.096
40	22PC-537.8-544.0-SC	11/22/04	230.4	8070.4	6946.7	1123.7	6716.3	0.167
41	22PC-544.2-546.7-SC	11/22/04	234.1	6714.1	6006.0	708.1	5771.9	0.123
42	22PC-546.7-547.5-SC	11/22/04	234.1	4054.1	3374.3	679.8	3140.2	0.216
43	22PC-547.5-549.5-SC	11/22/04	230.4	5650.4	4914.4	736.0	4684.0	0.157
44	22PC-549.5-550.2-SC	11/22/04	230.4	2810.4	2307.9	502.5	2077.5	0.242
45	22PC-550.2-552.8-SC	11/22/04	230.4	4500.4	4115.1	385.3	3884.7	0.099
46	22PC-552.8-554.5-SC	11/22/04	230.4	3160.4	2855.4	305.0	2625.0	0.116
47	22PC-554.5-560.2-SC	11/22/04	230.4	12610.4	11456.3	1154.1	11225.9	0.103
48	22PC-560.2-562.8-SC	11/22/04	233.7	3603.7	3800.6	-196.9	3566.9	-0.055
49	22PC-562.8-565.4-SC	11/22/04	233.7	5023.7	4397.0	626.7	4163.3	0.151
50	22PC-565.4-567.1-SC	11/22/04	230.2	3100.2	2663.3	436.9	2433.1	0.180
51	22PC-567.1-568.1-SC	11/22/04	233.7	4063.7	3555.6	508.1	3321.9	0.153
52	22PC-568.1-569.9-SC	11/22/04	233.7	8363.7	7503.6	860.1	7269.9	0.118
53	22PC-569.9-571.3-SC	11/22/04	230.4	6670.4	5815.0	855.4	5584.6	0.153
54	22PC-571.3-578.1-SC	11/23/04	230.2	9100.2	7921.9	1178.3	7691.7	0.153
55	22PC-578.1-578.6-SC	11/23/04	233.6	4413.6	4045.3	368.3	3811.7	0.097
56	22PC-578.6-582.8-SC	11/23/04	233.6	11063.6	10082.9	980.7	9849.3	0.100
57	22PC-582.8-585.3-SC	11/23/04	233.6	5423.6	5009.1	414.5	4775.5	0.087
58	22PC-585.3-586.2-SC	11/23/04	233.7	8843.7	8297.1	546.6	8063.4	0.068
59	22PC-586.2-587.0-SC	11/23/04	233.7	9953.7	9299.8	653.9	9066.1	0.072
60	22PC-587.0-587.8-SC	11/23/04	233.7	8413.7	7929.5	484.2	7695.8	0.063
61	22PC-587.8-594.5-SC	11/23/04	233.7	9003.7	8550.8	452.9	8317.1	0.054
62	22PC-594.5-595.0-SC	11/23/04	233.7	4753.7	4499.7	254.0	4266.0	0.060
63	22PC-595.0-595.7-SC	11/23/04	233.7	1813.7	1926.5	-112.8	1692.8	-0.067
64	22PC-595.7-597.3-SC	11/23/04	230.3	2900.3	2856.9	43.4	2626.6	0.017
65	22PC-597.3-599.6-SC	11/23/04	233.7	6573.7	6180.1	393.6	5946.4	0.066
66	22PC-599.6-600.3-SC	11/23/04	233.7	5213.7	4543.0	670.7	4309.3	0.156
67	22PC-600.3-601.9-SC	11/23/04	233.7	7063.7	6191.3	872.4	5957.6	0.146
68	22PC-601.9-604.1-SC	11/23/04	233.7	6263.7	5284.9	978.8	5051.2	0.194
69	22PC-604.1-604.7-SC	11/24/04	230.2	7750.2	6663.1	1087.1	6432.9	0.169
70	22PC-604.7-606.3-SC	11/24/04	230.2	5620.2	4112.8	1507.4	3882.6	0.388

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Gravimetric Water Content

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	22PC-606.6-609.3-SC	11/24/04	230.2	5320.2	5176.5	143.7	4946.3	0.029
72	22PC-609.3-610.1-SC	11/24/04	230.2	10320.2	9473.8	846.4	9243.6	0.092
73	22PC-610.1-611.8-SC	11/24/04	230.2	6170.2	5545.2	625.0	5315.0	0.118
74	22PC-611.8-613.6-SC	11/24/04	230.2	5810.2	5179.3	630.9	4949.1	0.127
75	22PC-613.6-615.4-SC	11/24/04	230.2	6270.2	5547.8	722.4	5317.6	0.136
76	22PC-615.5-618.5-SC	11/24/04	230.2	7420.2	6686.9	733.3	6456.7	0.114
77	22PC-618.5-620.0-SC	11/24/04	230.2	4240.2	3710.9	529.3	3480.7	0.152
78	22PC-620.0-621.1-SC	11/24/04	230.2	2890.2	2469.6	420.6	2239.4	0.188
79	22PC-621.1-623.0-SC	11/24/04	230.2	6980.2	6338.0	642.2	6107.8	0.105
80	22PC-623.0-623.7-SC	11/29/04	233.4	5003.4	4654.5	348.9	4421.1	0.079
81	22PC-625.2-629.1-SC	11/29/04	233.4	3163.4	1998.0	1165.4	1764.6	0.660
82	22PC-629.1-629.7-SC	11/29/04	233.4	1723.4	2409.7	-686.3	2176.3	-0.315
83	22PC-629.7-631.0-SC	11/29/04	233.4	2673.4	1700.0	973.4	1466.6	0.664
84	22PC-631.0-631.9-SC	11/29/04	233.4	2023.4	2985.6	-962.2	2752.2	-0.350
85	22PC-632.1-634.1-SC	11/29/04	233.4	4023.4	3566.6	456.8	3333.2	0.137
86	22PC-634.1-635.8-SC	11/29/04	233.4	4093.4	3638.7	454.7	3405.3	0.134
87	22PC-636.1-637.7-SC	11/29/04	233.4	3003.4	2934.3	69.1	2700.9	0.026
88	22PC-637.7-639.1-SC	11/29/04	233.4	2363.4	2172.3	191.1	1938.9	0.099
89	22PC-639.1-641.3-SC	11/29/04	233.4	4433.4	4149.1	284.3	3915.7	0.073
90	22PC-641.6-642.1-SC	11/29/04	233.4	1713.4	1551.0	162.4	1317.6	0.123
91	22PC-642.1-645.0-SC	11/29/04	233.4	4123.4	3795.4	328.0	3562.0	0.092
92	22PC-645.0-646.8-SC	11/29/04	233.4	3983.4	3678.6	304.8	3445.2	0.088
93	22PC-646.8-648.4-SC	11/29/04	233.4	2583.4	2343.9	239.5	2110.5	0.113
94	22PC-648.4-651.6-SC	11/29/04	233.4	4823.4	4326.2	497.2	4092.8	0.121
95	22PC-651.6-652.8-SC	11/29/04	233.4	2853.4	2639.1	214.3	2405.7	0.089
96	22PC-652.8-655.6-SC	11/29/04	233.4	5453.4	5010.6	442.8	4777.2	0.093
97	22PC-655.6-656.8-SC	11/29/04	233.4	3613.4	3327.1	286.3	3093.7	0.093
98	22PC-656.8-658.3-SC	11/29/04	233.4	2873.4	2643.6	229.8	2410.2	0.095
99	22PC-658.3-659.5-SC	11/29/04	233.4	2363.4	2050.0	313.4	1816.6	0.173
100	22PC-659.5-661.2-SC	11/29/04	233.4	3373.4	3123.9	249.5	2890.5	0.086
101	22PC-661.2-663.3-SC	11/29/04	233.4	5153.4	4256.5	896.9	4023.1	0.223
102	22PC-663.3-666.2-SC	11/29/04	233.4	6413.4	6068.2	345.2	5834.8	0.059
103	22PC-666.2-668.0-SC	11/29/04	233.4	4423.4	4363.2	60.2	4129.8	0.015
104	22PC-668.0-670.7-SC	11/29/04	233.4	5263.4	4910.0	353.4	4676.6	0.076
105	22PC-670.7-673.2-SC	11/29/04	233.4	5703.4	5361.6	341.8	5128.2	0.067

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Gravimetric Water Content

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
106	22PC-673.9-675.3-SC	11/29/04	233.4	2913.4	2637.0	276.4	2403.6	0.115
107	22PC-675.3-677.3-SC	12/01/04	233.4	5053.4	4620.5	432.9	4387.1	0.099
108	22PC-678.1-679.4-SC	12/01/04	233.4	1703.4	3697.9	-1994.5	3464.5	-0.576
109	22PC-679.4-684.2-SC	12/01/04	233.4	1923.4	4082.2	-2158.8	3848.8	-0.561
110	22PC-684.2-686.9-SC	12/01/04	233.4	1623.4	3788.4	-2165.0	3555.0	-0.609
111	22PC-686.9-687.4-SC	12/01/04	233.4	613.4	2933.4	-2320.0	2700.0	-0.859
112	22PC-688.1-689.3-SC	12/01/04	233.4	2273.4	3123.8	-850.4	2890.4	-0.294
113	22PC-689.3-690.1-SC	12/01/04	233.4	3423.4	2096.5	1326.9	1863.1	0.712
114	22PC-690.3-691.9-SC	12/01/04	233.4	4123.4	3783.1	340.3	3549.7	0.096
115	22PC-691.9-692.7-SC	12/02/04	233.4	5013.4	4557.4	456.0	4324.0	0.105
116	22PC-692.7-696.1-SC	12/02/04	233.4	3923.4	3677.8	245.6	3444.4	0.071
117	22PC-696.1-699.2-SC	12/02/04	233.4	3963.4	3737.3	226.1	3503.9	0.065
118	22PC-699.2-699.8-SC	12/02/04	233.4	2923.4	2716.3	207.1	2482.9	0.083
119	22PC-699.8-701.0-SC	12/02/04	233.4	3273.4	3018.8	254.6	2785.4	0.091
120	22PC-701.0-703.4-SC	12/02/04	233.4	4563.4	4291.2	272.2	4057.8	0.067
121	22PC-703.4-704.9-SC	12/02/04	233.4	3863.4	3631.7	231.7	3398.3	0.068
122	22PC-706.1-707.0-SC	12/02/04	233.4	5463.4	5060.1	403.3	4826.7	0.084
123	22PC-707.0-709.0-SC	12/02/04	233.4	7063.4	6100.2	963.2	5866.8	0.164
124	22PC-709.0-712.1-SC	12/02/04	233.4	5223.4	4934.1	289.3	4700.7	0.062
125	22PC-712.1-714.0-SC	12/02/04	233.4	3563.4	3308.2	255.2	3074.8	0.083
126	22PC-714.0-715.6-SC	12/02/04	233.4	5223.4	4836.8	386.6	4603.4	0.084
127	22PC-715.6-718.7-SC	12/02/04	233.4	6823.4	6372.5	450.9	6139.1	0.073
128	22PC-719.0-719.5-SC	12/02/04	233.4	3483.4	3259.7	223.7	3026.3	0.074
129	22PC-719.5-720.4-SC	12/02/04	233.4	2553.4	2440.2	113.2	2206.8	0.051
130	22PC-720.4-720.9-SC	12/02/04	233.4	2653.4	2531.4	122.0	2298.0	0.053
131	22PC-721.5-725.5-SC	12/02/04	233.4	4353.4	4056.5	296.9	3823.1	0.078
132	22PC-725.5-726.0-SC	12/02/04	233.4	3603.4	3281.3	322.1	3047.9	0.106
133	22PC-726.0-728.8-SC	12/02/04	233.4	2903.4	2690.0	213.4	2456.6	0.087
134	22PC-729.9-731.5-SC	12/02/04	233.4	3353.4	3054.4	299.0	2821.0	0.106
135	22PC-731.5-733.2-SC	12/02/04	233.4	3263.4	3141.1	122.3	2907.7	0.042
136	22PC-734.8-736.4-SC	12/03/04	233.4	3163.4	2921.1	242.3	2687.7	0.090
137	22PC-736.4-737.1-SC	12/03/04	233.4	5583.4	5095.7	487.7	4862.3	0.100
138	22PC-737.1-739.6-SC	12/03/04	233.4	6483.4	6084.4	399.0	5851.0	0.068
139	22PC-739.9-741.8-SC	12/03/04	233.4	4083.4	3680.7	402.7	3447.3	0.117
140	22PC-741.8-743.1-SC	12/03/04	233.4	4383.4	3938.2	445.2	3704.8	0.120

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Gravimetric Water Content

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
141	22PC-743.1-745.9-SC	12/03/04	233.4	4333.4	4052.9	280.5	3819.5	0.073
142	22PC-747.0-747.4-SC	12/03/04	233.4	2383.4	2136.0	247.4	1902.6	0.130
143	22PC-747.4-749.1-SC	12/03/04	233.4	4383.4	3242.8	1140.6	3009.4	0.379
144	22PC-749.1-752.9-SC	12/03/04	233.4	6183.4	5724.4	459.0	5491.0	0.084
145	22PC-752.9-754.9-SC	12/03/04	233.4	4483.4	4161.0	322.4	3927.6	0.082
146	22PC-754.9-755.5-SC	12/03/04	233.4	2833.4	2577.8	255.6	2344.4	0.109
147	22PC-755.5-759.2-SC	12/03/04	233.4	5983.4	5492.4	491.0	5259.0	0.093
148	22PC-759.2-759.5-SC	12/03/04	233.4	1933.4	1699.4	234.0	1466.0	0.160
149	22PC-759.5-761.3-SC	12/03/04	233.4	5463.4	4757.9	705.5	4524.5	0.156
150	22PC-761.3-762.4-SC	12/03/04	233.4	3513.4	3183.9	329.5	2950.5	0.112
151	22PC-762.4-762.8-SC	12/03/04	233.4	3913.4	3225.1	688.3	2991.7	0.230

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-24PA

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PA-2.50-5.00-D	07/31/06	22.1	86.4	85.9	0.5	63.8	0.008
2	24PA-7.50-10.00-D	07/31/06	22.4	85.3	84.6	0.7	62.2	0.012
3	24PA-12.50-15.00-D	07/31/06	22.4	88.4	87.7	0.7	65.3	0.011
4	24PA-17.50-20.00-D	07/31/06	22.6	86.2	85.7	0.5	63.1	0.009
5	24PA-22.50-25.00-D	07/31/06	22.5	85.3	84.8	0.5	62.3	0.008
6	24PA-27.50-30.00-D	07/31/06	22.2	83.4	83.0	0.5	60.8	0.007
7	24PA-32.50-35.00-D	07/31/06	22.3	88.7	88.2	0.5	65.9	0.007
8	24PA-37.50-40.00-D	07/31/06	22.5	84.2	83.7	0.5	61.1	0.009
9	24PA-42.50-45.00-D	07/31/06	22.2	87.4	87.0	0.4	64.8	0.006
10	24PA-47.50-50.00-D	07/31/06	22.3	89.7	89.3	0.5	66.9	0.007
11	24PA-52.50-55.00-D	07/31/06	22.5	85.7	85.2	0.5	62.7	0.008
12	24PA-57.50-60.00-D	07/31/06	22.2	84.9	84.2	0.8	61.9	0.012
13	24PA-62.50-65.00-D	07/31/06	22.3	85.4	84.5	0.9	62.1	0.015
14	24PA-67.50-70.00-D	07/31/06	22.3	89.2	88.0	1.2	65.7	0.019
15	24PA-72.50-75.00-D	07/31/06	22.4	85.8	85.1	0.7	62.7	0.011
16	24PA-77.50-80.00-D	07/31/06	22.3	84.1	83.0	1.1	60.7	0.019
17	24PA-82.50-85.00-D	07/31/06	22.5	85.8	84.9	0.8	62.4	0.013
18	24PA-87.50-90.00-D	07/31/06	22.5	86.6	85.4	1.1	62.9	0.018
19	24PA-92.50-95.00-D	07/31/06	22.4	88.0	87.2	0.8	64.8	0.012
20	24PA-97.50-100.00-D	07/31/06	22.4	84.7	83.9	0.8	61.6	0.012
21	24PA-102.50-105.00-D	08/01/06	22.4	85.9	85.5	0.4	63.1	0.007
22	24PA-107.50-110.00-D	08/01/06	22.5	86.5	85.2	1.3	62.7	0.021
23	24PA-112.50-115.00-D	08/01/06	22.3	88.0	86.8	1.2	64.5	0.019
24	24PA-117.50-120.00-D	08/01/06	14.1	89.3	87.9	1.4	73.8	0.020
25	24PA-122.50-125.00-D	08/01/06	22.1	87.4	85.4	1.9	63.4	0.030
26	24PA-127.50-130.00-D	08/01/06	22.4	84.9	84.0	0.9	61.6	0.014
27	24PA-132.50-135.00-D	08/01/06	22.4	87.0	86.0	1.0	63.6	0.015
28	24PA-137.50-140.00-D	08/01/06	22.6	84.0	83.4	0.6	60.9	0.010
29	24PA-142.50-145.00-D	08/01/06	22.5	85.4	84.6	0.9	62.1	0.014
30	24PA-147.50-150.00-D	08/01/06	22.2	87.6	86.5	1.1	64.3	0.018

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Gravimetric Water Content

Cuttings samples from NC-EWDP-24PA

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PA-2.50-5.00-D	07/11/06	13.6	288.7	278.8	9.9	265.1	0.037
2	24PA-7.50-10.00-D	07/11/06	14.1	515.7	492.4	23.3	478.3	0.049
3	24PA-12.50-15.00-D	07/11/06	13.6	644.2	623.8	20.3	610.2	0.033
4	24PA-17.50-20.00-D	07/11/06	13.8	547.7	534.8	12.8	521.0	0.025
5	24PA-22.50-25.00-D	07/11/06	13.8	370.3	358.3	12.0	344.5	0.035
6	24PA-27.50-30.00-D	07/11/06	14.1	542.7	526.5	16.3	512.3	0.032
7	24PA-32.50-35.00-D	07/11/06	13.7	495.6	480.2	15.4	466.4	0.033
8	24PA-37.50-40.00-D	07/11/06	13.8	432.6	419.6	13.0	405.8	0.032
9	24PA-42.50-45.00-D	07/11/06	13.8	523.6	512.4	11.3	498.6	0.023
10	24PA-47.50-50.00-D	07/11/06	14.4	417.6	410.6	7.0	396.2	0.018
11	24PA-52.50-55.00-D	07/11/06	14.2	584.3	571.8	12.4	557.7	0.022
12	24PA-57.50-60.00-D	07/11/06	13.7	637.9	612.1	25.8	598.4	0.043
13	24PA-62.50-65.00-D	07/11/06	14.1	532.5	512.2	20.3	498.1	0.041
14	24PA-67.50-70.00-D	07/11/06	13.8	654.2	618.1	36.1	604.3	0.060
15	24PA-72.50-75.00-D	07/11/06	13.7	537.4	520.6	16.8	506.9	0.033
16	24PA-77.50-80.00-D	07/11/06	13.6	403.9	380.1	23.8	366.5	0.065
17	24PA-82.50-85.00-D	07/11/06	14.1	490.4	469.5	20.9	455.4	0.046
18	24PA-87.50-90.00-D	07/11/06	14.3	620.9	597.7	23.1	583.4	0.040
19	24PA-92.50-95.00-D	07/11/06	13.8	556.9	541.1	15.8	527.4	0.030
20	24PA-97.50-100.00-D	07/11/06	13.7	48.3	466.2	-417.9	452.5	-0.924
21	24PA-102.50-105.00-D	07/12/06	14.2	546.1	532.3	13.8	518.1	0.027
22	24PA-107.50-110.00-D	07/12/06	14.1	518.7	498.0	20.7	483.9	0.043
23	24PA-112.50-115.00-D	07/12/06	13.6	551.5	530.5	21.0	516.9	0.041
24	24PA-117.50-120.00-D	07/12/06	13.8	493.4	474.9	18.5	461.1	0.040
25	24PA-122.50-125.00-D	07/12/06	13.8	480.2	455.6	24.6	441.9	0.056
26	24PA-127.50-130.00-D	07/12/06	14.1	449.6	434.7	15.0	420.6	0.036
27	24PA-132.50-135.00-D	07/12/06	13.7	513.5	495.3	18.2	481.6	0.038
28	24PA-137.50-140.00-D	07/12/06	13.8	439.4	425.8	13.6	412.0	0.033
29	24PA-142.50-145.00-D	07/12/06	13.8	530.1	513.9	16.1	500.2	0.032
30	24PA-147.50-150.00-D	07/12/06	14.4	479.2	463.7	15.5	449.4	0.034

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PB-2.50-5.00-D	03/09/06	22.1	94.9	93.0	1.8	71.0	0.026
2	24PB-7.50-10.00-D	03/09/06	22.4	92.8	91.5	1.3	69.1	0.019
3	24PB-12.50-15.00-D	03/09/06	22.4	94.0	92.9	1.1	70.5	0.016
4	24PB-17.50-20.00-D	03/09/06	22.6	97.1	96.1	1.1	73.5	0.015
5	24PB-22.50-25.00-D	03/09/06	22.5	94.9	92.7	2.3	70.2	0.032
6	24PB-27.50-30.00-D	03/09/06	22.2	94.3	93.2	1.1	71.0	0.015
7	24PB-32.50-35.00-D	03/09/06	22.3	97.4	96.1	1.3	73.9	0.017
8	24PB-37.50-40.00-D	03/09/06	22.5	96.9	96.2	0.7	73.7	0.010
9	24PB-42.50-45.00-D	03/09/06	22.2	95.2	94.7	0.5	72.5	0.007
10	24PB-47.50-50.00-D	03/09/06	22.3	93.0	91.8	1.1	69.5	0.016
11	24PB-52.50-55.00-D	03/09/06	22.5	92.2	91.8	0.4	69.3	0.006
12	24PB-57.50-60.00-D	03/09/06	22.2	96.8	96.2	0.7	74.0	0.009
13	24PB-62.50-65.00-D	03/09/06	22.3	98.0	97.5	0.4	75.2	0.006
14	24PB-67.50-70.00-D	03/09/06	22.3	93.3	92.9	0.4	70.6	0.005
15	24PB-72.50-75.00-D	03/09/06	22.4	94.5	94.1	0.5	71.7	0.007
16	24PB-77.50-80.00-D	03/09/06	22.3	95.5	94.6	0.9	72.3	0.012
17	24PB-82.50-85.00-D	03/09/06	22.5	93.8	93.0	0.8	70.5	0.012
18	24PB-87.50-90.00-D	03/09/06	22.5	95.3	94.7	0.6	72.2	0.008
19	24PB-92.50-95.00-D	03/09/06	22.4	97.1	96.5	0.6	74.1	0.008
20	24PB-97.50-100.00-D	03/09/06	22.4	95.5	95.1	0.4	72.7	0.006
21	24PB-102.50-105.00-D	03/09/06	22.4	92.6	92.1	0.5	69.7	0.008
22	24PB-107.50-110.00-D	03/09/06	22.5	96.1	95.2	1.0	72.7	0.013
23	24PB-112.50-115.00-D	03/09/06	22.3	93.7	92.7	1.0	70.5	0.014
24	24PB-117.50-120.00-D	03/09/06	14.1	98.8	97.4	1.5	83.3	0.018
25	24PB-122.50-125.00-D	03/13/06	22.1	94.4	92.8	1.6	70.7	0.022
26	24PB-127.50-130.00-D	03/13/06	22.4	96.3	95.2	1.1	72.8	0.015
27	24PB-132.50-135.00-D	03/13/06	22.4	94.3	92.8	1.5	70.4	0.021
28	24PB-137.50-140.00-D	03/13/06	22.6	93.8	92.7	1.1	70.1	0.016
29	24PB-142.50-145.00-D	03/13/06	22.5	97.3	96.2	1.1	73.8	0.015
30	24PB-147.50-150.00-D	03/13/06	22.2	94.6	92.9	1.6	70.7	0.023
31	24PB-152.50-155.00-D	03/13/06	22.3	95.9	94.2	1.7	72.0	0.023
32	24PB-157.50-160.00-D	03/13/06	22.5	93.2	91.2	2.0	68.7	0.029
33	24PB-162.50-165.00-D	03/13/06	22.2	95.2	93.0	2.2	70.8	0.031
34	24PB-167.50-170.00-D	03/13/06	22.3	94.5	92.6	2.0	70.2	0.028
35	24PB-172.50-175.00-D	03/13/06	22.5	96.6	94.2	2.4	71.7	0.033

Nuclear Waste Repository Project Office

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	24PB-177.50-180.00-D	03/13/06	22.2	96.0	94.1	1.9	71.9	0.026
37	24PB-182.50-185.00-D	03/13/06	22.3	96.3	95.0	1.3	72.7	0.018
38	24PB-187.50-190.00-D	03/13/06	22.3	94.4	92.5	1.9	70.3	0.027
39	24PB-192.50-195.00-D	03/13/06	22.4	98.8	96.5	2.3	74.1	0.031
40	24PB-197.50-200.00-D	03/13/06	22.3	93.1	90.9	2.2	68.6	0.032
41	24PB-202.50-205.00-D	03/13/06	22.5	96.6	95.1	1.6	72.6	0.022
42	24PB-207.50-210.00-D	03/13/06	22.5	93.6	92.3	1.2	69.8	0.018
43	24PB-212.50-215.00-D	03/13/06	22.4	92.4	91.7	0.8	69.3	0.011
44	24PB-217.50-220.00-D	03/13/06	22.4	96.8	94.9	1.9	72.5	0.027
45	24PB-222.50-225.00-D	03/13/06	22.4	93.5	91.8	1.6	69.4	0.023
46	24PB-227.50-230.00-D	03/13/06	22.5	96.5	94.3	2.3	71.8	0.031
47	24PB-232.50-235.00-D	03/13/06	22.3	94.1	91.9	2.1	69.7	0.031
48	24PB-237.50-240.00-D	03/13/06	14.1	97.4	96.0	1.3	82.0	0.016
49	24PB-242.50-245.00-D	03/14/06	22.1	93.5	92.3	1.2	70.3	0.017
50	24PB-247.50-250.00-D	03/14/06	22.4	97.7	96.0	1.7	73.6	0.023
51	24PB-252.50-255.00-D	03/14/06	22.4	94.6	93.3	1.3	70.9	0.019
52	24PB-257.50-260.00-D	03/14/06	22.6	96.4	94.9	1.5	72.3	0.021
53	24PB-262.50-265.00-D	03/14/06	22.5	95.7	94.4	1.3	71.9	0.019
54	24PB-267.50-270.00-D	03/14/06	22.2	93.3	90.9	2.3	68.7	0.034
55	24PB-272.50-275.00-D	03/14/06	22.3	94.3	91.4	2.9	69.1	0.042
56	24PB-277.50-280.00-D	03/14/06	22.5	93.9	92.3	1.7	69.7	0.024
57	24PB-282.50-285.00-D	03/14/06	22.2	94.4	92.8	1.6	70.6	0.022
58	24PB-287.50-290.00-D	03/14/06	22.3	95.7	94.3	1.5	71.9	0.021
59	24PB-292.50-295.00-D	03/14/06	22.5	96.4	94.7	1.7	72.2	0.023
60	24PB-297.50-300.00-D	03/14/06	22.2	97.1	95.5	1.6	73.3	0.022
61	24PB-302.50-305.00-D	03/14/06	22.3	97.0	94.7	2.2	72.4	0.031
62	24PB-307.50-310.00-D	03/14/06	22.3	95.1	93.1	1.9	70.9	0.027
63	24PB-312.50-315.00-D	03/14/06	22.4	94.8	93.0	1.8	70.6	0.026
64	24PB-317.50-320.00-D	03/14/06	22.3	94.2	89.9	4.3	67.6	0.063
65	24PB-322.50-325.00-D	03/14/06	22.5	95.3	93.0	2.2	70.5	0.032
66	24PB-327.50-330.00-D	03/14/06	22.5	93.9	91.6	2.2	69.1	0.032
67	24PB-332.50-335.00-D	03/14/06	22.4	96.0	94.3	1.7	71.9	0.023
68	24PB-337.50-340.00-D	03/14/06	22.4	96.6	95.2	1.4	72.9	0.019
69	24PB-342.50-345.00-D	03/14/06	22.4	95.0	93.5	1.4	71.1	0.020
70	24PB-347.50-350.00-D	03/14/06	22.5	93.5	92.3	1.2	69.8	0.017

Nuclear Waste Repository Project Office

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	24PB-352.50-355.00-D	03/14/06	22.3	95.4	94.4	0.9	72.2	0.013
72	24PB-357.50-360.00-D	03/14/06	14.1	94.5	93.4	1.2	79.3	0.015
73	24PB-362.50-365.00-D	03/15/06	22.1	93.8	93.0	0.8	70.9	0.011
74	24PB-367.50-370.00-D	03/15/06	22.4	96.8	95.8	1.0	73.4	0.014
75	24PB-372.50-375.00-D	03/15/06	22.4	93.0	92.2	0.9	69.8	0.012
76	24PB-377.50-380.00-D	03/15/06	22.6	94.7	93.7	1.0	71.1	0.015
77	24PB-382.50-385.00-D	03/15/06	22.5	96.1	95.1	1.0	72.6	0.014
78	24PB-387.50-390.00-D	03/15/06	22.2	94.8	93.6	1.2	71.4	0.016
79	24PB-392.50-395.00-D	03/15/06	22.3	96.3	94.7	1.5	72.5	0.021
80	24PB-397.50-400.00-D	03/15/06	22.5	95.8	94.1	1.7	71.6	0.024
81	24PB-402.50-405.00-D	03/15/06	22.2	97.2	93.9	3.3	71.8	0.046

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Gravimetric Water Content

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PB-2.50-5.00-D	02/16/06	13.8	427.5	407.5	20.0	393.7	0.051
2	24PB-7.50-10.00-D	02/16/06	14.1	437.1	415.7	21.5	401.6	0.053
3	24PB-12.50-15.00-D	02/16/06	13.7	358.1	345.8	12.4	332.0	0.037
4	24PB-17.50-20.00-D	02/16/06	13.7	440.0	421.4	18.6	407.6	0.046
5	24PB-22.50-25.00-D	02/16/06	13.8	540.8	508.0	32.8	494.2	0.066
6	24PB-27.50-30.00-D	02/16/06	13.8	481.7	465.7	16.1	451.8	0.036
7	24PB-32.50-35.00-D	02/16/06	13.8	452.4	434.4	18.1	420.5	0.043
8	24PB-37.50-40.00-D	02/16/06	13.8	509.5	495.9	13.6	482.1	0.028
9	24PB-42.50-45.00-D	02/16/06	14.1	504.4	494.0	10.5	479.9	0.022
10	24PB-47.50-50.00-D	02/16/06	14.4	384.0	375.3	8.7	361.0	0.024
11	24PB-52.50-55.00-D	02/16/06	13.8	460.3	450.1	10.2	436.3	0.023
12	24PB-57.50-60.00-D	02/16/06	14.3	497.9	485.3	12.5	471.1	0.027
13	24PB-62.50-65.00-D	02/16/06	14.4	626.2	614.0	12.1	599.7	0.020
14	24PB-67.50-70.00-D	02/16/06	14.2	767.0	754.0	13.0	739.7	0.018
15	24PB-72.50-75.00-D	02/16/06	14.3	531.3	520.5	10.9	506.2	0.021
16	24PB-77.50-80.00-D	02/16/06	14.1	543.0	524.1	18.9	510.0	0.037
17	24PB-82.50-85.00-D	02/16/06	14.2	460.9	446.5	14.4	432.3	0.033
18	24PB-87.50-90.00-D	02/16/06	14.1	609.2	592.5	16.6	578.5	0.029
19	24PB-92.50-95.00-D	02/16/06	13.8	439.0	429.3	9.7	415.5	0.023
20	24PB-97.50-100.00-D	02/16/06	14.2	581.4	567.3	14.0	553.2	0.025
21	24PB-102.50-105.00-D	02/16/06	14.3	649.0	635.1	13.9	620.8	0.022
22	24PB-107.50-110.00-D	02/17/06	13.7	427.7	416.6	11.1	402.8	0.028
23	24PB-112.50-115.00-D	02/17/06	13.8	434.1	422.1	11.9	408.3	0.029
24	24PB-117.50-120.00-D	02/17/06	13.9	492.3	478.1	14.1	464.3	0.030
25	24PB-122.50-125.00-D	02/17/06	13.9	498.9	477.3	21.6	463.4	0.047
26	24PB-127.50-130.00-D	02/17/06	13.8	620.0	599.5	20.5	585.6	0.035
27	24PB-132.50-135.00-D	02/17/06	13.8	491.9	470.6	21.3	456.9	0.047
28	24PB-137.50-140.00-D	02/17/06	13.8	371.6	349.3	22.3	335.5	0.067
29	24PB-142.50-145.00-D	02/17/06	14.1	518.8	498.4	20.5	484.3	0.042
30	24PB-147.50-150.00-D	02/17/06	14.4	701.6	669.3	32.3	654.9	0.049
31	24PB-152.50-155.00-D	02/17/06	14.2	865.1	825.8	39.3	811.6	0.048
32	24PB-157.50-160.00-D	02/17/06	13.8	605.1	579.8	25.2	566.0	0.045
33	24PB-162.50-165.00-D	02/17/06	14.1	530.0	506.2	23.8	492.1	0.048
34	24PB-167.50-170.00-D	02/17/06	14.2	455.0	432.3	22.6	418.1	0.054
35	24PB-172.50-175.00-D	02/17/06	14.2	514.4	488.3	26.0	474.1	0.055

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Gravimetric Water Content

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	24PB-177.50-180.00-D	02/17/06	14.3	482.0	454.4	27.5	440.2	0.063
37	24PB-182.50-185.00-D	02/17/06	14.2	688.9	664.7	24.2	650.5	0.037
38	24PB-187.50-190.00-D	02/17/06	14.3	637.7	608.4	29.3	594.1	0.049
39	24PB-192.50-195.00-D	02/17/06	14.3	608.7	574.5	34.2	560.2	0.061
40	24PB-197.50-200.00-D	02/17/06	13.8	510.0	475.7	34.3	461.9	0.074
41	24PB-202.50-205.00-D	02/17/06	14.4	691.9	656.2	35.8	641.8	0.056
42	24PB-207.50-210.00-D	02/17/06	14.1	467.9	436.6	31.4	422.5	0.074
43	24PB-212.50-215.00-D	02/20/06	14.0	710.6	667.8	42.8	653.8	0.065
44	24PB-217.50-220.00-D	02/20/06	14.3	600.3	566.8	33.6	552.4	0.061
45	24PB-222.50-225.00-D	02/20/06	13.8	402.5	374.5	27.9	360.7	0.077
46	24PB-227.50-230.00-D	02/20/06	14.2	408.0	383.7	24.3	369.4	0.066
47	24PB-232.50-235.00-D	02/20/06	14.3	588.4	554.5	33.8	540.2	0.063
48	24PB-237.50-240.00-D	02/20/06	14.2	648.5	614.8	33.7	600.6	0.056
49	24PB-242.50-245.00-D	02/20/06	14.3	421.7	390.8	31.0	376.5	0.082
50	24PB-247.50-250.00-D	02/20/06	14.2	452.2	429.7	22.5	415.5	0.054
51	24PB-252.50-255.00-D	02/20/06	14.3	602.4	580.7	21.7	566.4	0.038
52	24PB-257.50-260.00-D	02/20/06	14.1	450.5	427.4	23.1	413.3	0.056
53	24PB-262.50-265.00-D	02/20/06	13.8	491.3	473.5	17.8	459.7	0.039
54	24PB-267.50-270.00-D	02/20/06	14.2	423.7	396.6	27.1	382.4	0.071
55	24PB-272.50-275.00-D	02/20/06	14.4	427.9	386.5	41.4	372.2	0.111
56	24PB-277.50-280.00-D	02/20/06	14.1	364.1	325.1	39.0	311.1	0.125
57	24PB-282.50-285.00-D	02/20/06	13.8	594.9	565.4	29.5	551.6	0.053
58	24PB-287.50-290.00-D	02/20/06	13.7	532.7	506.7	26.0	492.9	0.053
59	24PB-292.50-295.00-D	02/20/06	13.8	416.5	385.6	30.8	371.9	0.083
60	24PB-297.50-300.00-D	02/20/06	13.8	520.5	491.4	29.1	477.6	0.061
61	24PB-302.50-305.00-D	02/20/06	13.8	595.6	567.0	28.5	553.2	0.052
62	24PB-307.50-310.00-D	02/20/06	13.8	561.2	537.2	24.0	523.3	0.046
63	24PB-312.50-315.00-D	02/20/06	13.7	566.9	543.8	23.1	530.0	0.044
64	24PB-317.50-320.00-D	02/21/06	13.7	516.2	470.7	45.4	457.0	0.099
65	24PB-322.50-325.00-D	02/21/06	13.8	550.7	525.6	25.1	511.8	0.049
66	24PB-327.50-330.00-D	02/21/06	13.8	468.9	444.6	24.3	430.8	0.056
67	24PB-332.50-335.00-D	02/21/06	13.8	610.8	585.4	25.4	571.6	0.044
68	24PB-337.50-340.00-D	02/21/06	13.7	521.6	501.8	19.9	488.0	0.041
69	24PB-342.50-345.00-D	02/21/06	13.8	543.1	519.4	23.7	505.7	0.047
70	24PB-347.50-350.00-D	02/21/06	14.8	533.8	512.7	21.1	497.9	0.042

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Gravimetric Water Content

Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	24PB-352.50-355.00-D	02/21/06	14.1	582.9	560.1	22.8	546.1	0.042
72	24PB-357.50-360.00-D	02/21/06	14.3	460.1	442.3	17.9	427.9	0.042
73	24PB-362.50-365.00-D	02/21/06	14.2	556.2	537.1	19.1	522.9	0.037
74	24PB-367.50-370.00-D	02/21/06	13.8	481.5	464.1	17.4	450.3	0.039
75	24PB-372.50-375.00-D	02/21/06	14.1	541.5	520.1	21.4	506.1	0.042
76	24PB-377.50-380.00-D	02/21/06	14.2	528.3	509.6	18.7	495.4	0.038
77	24PB-382.50-385.00-D	02/21/06	14.2	547.6	520.8	26.8	506.6	0.053
78	24PB-387.50-390.00-D	02/21/06	14.3	501.8	481.0	20.8	466.7	0.045
79	24PB-392.50-395.00-D	02/21/06	14.2	421.4	402.4	19.0	388.2	0.049
80	24PB-397.50-400.00-D	02/21/06	14.3	508.1	477.9	30.3	463.6	0.065
81	24PB-402.50-405.00-D	02/21/06	14.3	524.5	484.0	40.5	469.8	0.086
82	24PB-412.50-415.00-D	02/21/06	13.8	634.5	574.0	60.4	560.3	0.108

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(Used in EC Calculations) **Gravimetric Water Content**

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	32P-2.50-5.00-D	05/22/06	22.1	93.7	93.4	0.3	71.3	0.004
2	32P-7.50-10.00-D	05/22/06	22.4	95.7	95.2	0.5	72.8	0.006
3	32P-12.50-15.00-D	05/22/06	22.4	93.1	92.7	0.5	70.3	0.007
4	32P-17.50-20.00-D	05/22/06	22.6	96.4	95.8	0.7	73.2	0.009
5	32P-22.50-25.00-D	05/22/06	22.5	95.9	95.5	0.4	73.1	0.006
6	32P-27.50-30.00-D	05/22/06	22.2	93.4	93.1	0.4	70.9	0.005
7	32P-32.50-35.00-D	05/22/06	22.3	94.9	96.6	-1.7	74.3	-0.023
8	32P-37.50-40.00-D	05/22/06	22.5	93.3	92.5	0.8	69.9	0.011
9	32P-42.50-45.00-D	05/22/06	22.2	97.0	96.4	0.5	74.3	0.007
10	32P-47.50-50.00-D	05/22/06	22.3	94.3	93.8	0.5	71.5	0.007
11	32P-52.50-55.00-D	05/22/06	22.5	94.1	93.6	0.5	71.1	0.007
12	32P-57.50-60.00-D	05/22/06	22.2	97.5	96.8	0.6	74.6	0.008
13	32P-62.50-65.00-D	05/22/06	22.3	94.8	94.1	0.7	71.8	0.009
14	32P-67.50-70.00-D	05/22/06	22.3	93.5	92.3	1.2	70.1	0.017
15	32P-72.50-75.00-D	05/22/06	22.4	94.5	93.0	1.5	70.6	0.022
16	32P-77.50-80.00-D	05/22/06	22.3	95.2	94.2	1.0	71.9	0.014
17	32P-82.50-85.00-D	05/22/06	22.5	93.6	92.5	1.2	70.0	0.017
18	32P-87.50-90.00-D	05/22/06	22.5	96.4	95.2	1.2	72.7	0.017
19	32P-92.50-95.00-D	05/22/06	22.4	93.5	92.7	0.8	70.3	0.011
20	32P-97.50-100.00-D	05/22/06	22.4	96.2	95.2	1.1	72.8	0.015
21	32P-102.50-105.00-D	05/22/06	22.4	94.1	92.0	2.2	69.5	0.031
22	32P-107.50-110.00-D	05/23/06	22.1	94.8	92.8	2.0	70.7	0.028
23	32P-112.50-115.00-D	05/23/06	22.4	93.6	91.0	2.6	68.6	0.038
24	32P-117.50-120.00-D	05/23/06	22.4	95.5	92.9	2.6	70.5	0.036
25	32P-122.50-125.00-D	05/23/06	22.6	96.1	93.7	2.4	71.2	0.034
26	32P-127.50-130.00-D	05/23/06	22.5	96.9	93.9	3.0	71.4	0.042
27	32P-132.50-135.00-D	05/23/06	22.2	95.4	93.7	1.7	71.5	0.023
28	32P-137.50-140.00-D	05/23/06	22.3	97.4	95.4	2.0	73.2	0.028
29	32P-142.50-145.00-D	05/23/06	22.5	94.9	91.9	2.9	69.4	0.042
30	32P-147.50-150.00-D	05/23/06	22.2	93.9	91.3	2.5	69.1	0.036
31	32P-152.50-155.00-D	05/23/06	22.3	94.8	93.1	1.7	70.8	0.024
32	32P-157.50-160.00-D	05/23/06	22.5	95.7	93.4	2.2	70.9	0.031
33	32P-162.50-165.00-D	05/23/06	22.2	93.5	91.6	1.9	69.3	0.028
34	32P-167.50-170.00-D	05/23/06	22.3	96.2	93.8	2.4	71.5	0.033
35	32P-172.50-175.00-D	05/23/06	22.3	95.9	94.0	1.9	71.7	0.026

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(Used in EC Calculations) **Gravimetric Water Content** Page 2 of 2

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	32P-177.50-180.00-D	05/23/06	22.4	93.8	92.1	1.8	69.7	0.025
37	32P-182.50-185.00-D	05/23/06	22.3	94.7	93.7	1.0	71.3	0.014
38	32P-187.50-190.00-D	05/23/06	22.5	97.9	95.9	2.0	73.4	0.028
39	32P-192.50-195.00-D	05/23/06	22.5	95.4	92.9	2.5	70.3	0.036
40	32P-197.50-200.00-D	05/23/06	22.4	93.8	91.5	2.3	69.1	0.034
41	32P-202.50-205.00-D	05/23/06	22.4	96.2	92.9	3.4	70.5	0.048
42	32P-207.50-210.00-D	05/23/06	22.4	95.2	92.7	2.5	70.3	0.036
43	32P-212.50-215.00-D	05/24/06	22.1	94.3	92.1	2.3	70.0	0.032
44	32P-217.50-220.00-D	05/24/06	22.4	96.8	94.4	2.3	72.0	0.033
45	32P-222.50-225.00-D	05/24/06	22.4	97.6	96.0	1.7	73.6	0.023
46	32P-227.50-230.00-D	05/24/06	22.6	94.7	92.5	2.2	69.9	0.031
47	32P-232.50-235.00-D	05/24/06	22.5	96.6	94.1	2.6	71.6	0.036
48	32P-237.50-240.00-D	05/24/06	22.2	95.3	92.7	2.5	70.5	0.036
49	32P-242.50-245.00-D	05/24/06	22.3	94.0	92.2	1.8	70.0	0.025
50	32P-247.50-250.00-D	05/24/06	22.5	96.6	94.0	2.5	71.5	0.035
51	32P-252.50-255.00-D	05/24/06	22.2	97.6	96.0	1.7	73.8	0.023
52	32P-257.50-260.00-D	05/24/06	22.3	95.9	94.0	1.9	71.6	0.027

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Gravimetric Water Content

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	32P-2.50-5.00-D	05/05/06	14.2	364.6	349.0	15.6	334.8	0.047
2	32P-7.50-10.00-D	05/05/06	13.6	409.3	395.0	14.2	381.4	0.037
3	32P-12.50-15.00-D	05/05/06	14.1	345.6	336.6	9.1	322.4	0.028
4	32P-17.50-20.00-D	05/05/06	13.6	420.1	404.5	15.6	390.9	0.040
5	32P-22.50-25.00-D	05/05/06	13.8	374.2	364.3	9.9	350.5	0.028
6	32P-27.50-30.00-D	05/05/06	13.8	397.9	389.6	8.3	375.8	0.022
7	32P-32.50-35.00-D	05/05/06	14.1	450.8	440.0	10.8	425.8	0.025
8	32P-37.50-40.00-D	05/05/06	13.7	328.8	314.6	14.3	300.8	0.047
9	32P-42.50-45.00-D	05/05/06	13.8	385.8	376.0	9.9	362.2	0.027
10	32P-47.50-50.00-D	05/05/06	13.8	412.2	402.3	9.9	388.5	0.025
11	32P-52.50-55.00-D	05/05/06	13.8	416.6	409.1	7.5	395.3	0.019
12	32P-57.50-60.00-D	05/05/06	13.7	469.9	443.4	26.4	429.7	0.062
13	32P-62.50-65.00-D	05/05/06	13.7	435.9	419.7	16.2	406.0	0.040
14	32P-67.50-70.00-D	05/05/06	13.6	431.3	414.2	17.1	400.6	0.043
15	32P-72.50-75.00-D	05/05/06	14.1	477.2	452.8	24.3	438.7	0.055
16	32P-77.50-80.00-D	05/05/06	14.3	502.6	482.7	19.9	468.4	0.042
17	32P-82.50-85.00-D	05/05/06	13.8	446.4	427.8	18.7	414.0	0.045
18	32P-87.50-90.00-D	05/05/06	13.7	423.4	407.3	16.1	393.6	0.041
19	32P-92.50-95.00-D	05/05/06	14.2	518.5	502.1	16.4	487.9	0.034
20	32P-97.50-100.00-D	05/05/06	14.4	537.4	518.8	18.5	504.5	0.037
21	32P-102.50-105.00-D	05/05/06	14.1	417.1	398.0	19.2	383.9	0.050
22	32P-107.50-110.00-D	05/08/06	14.2	540.4	517.5	23.0	503.3	0.046
23	32P-112.50-115.00-D	05/08/06	13.8	426.3	404.4	21.9	390.6	0.056
24	32P-117.50-120.00-D	05/08/06	13.7	349.3	333.1	16.2	319.4	0.051
25	32P-122.50-125.00-D	05/08/06	13.7	563.7	537.6	26.1	523.9	0.050
26	32P-127.50-130.00-D	05/08/06	13.6	454.9	427.8	27.2	414.2	0.066
27	32P-132.50-135.00-D	05/08/06	14.1	553.5	533.8	19.7	519.6	0.038
28	32P-137.50-140.00-D	05/08/06	14.3	480.9	462.7	18.2	448.4	0.041
29	32P-142.50-145.00-D	05/08/06	13.8	432.2	407.0	25.1	393.3	0.064
30	32P-147.50-150.00-D	05/08/06	13.7	520.4	501.1	19.3	487.4	0.040
31	32P-152.50-155.00-D	05/08/06	14.2	462.0	445.7	16.3	431.5	0.038
32	32P-157.50-160.00-D	05/08/06	14.4	392.2	375.8	16.4	361.4	0.045
33	32P-162.50-165.00-D	05/08/06	13.8	529.4	507.9	21.5	494.1	0.044
34	32P-167.50-170.00-D	05/08/06	13.8	435.0	417.0	18.0	403.2	0.045
35	32P-172.50-175.00-D	05/08/06	13.7	446.5	430.6	15.9	416.8	0.038

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Gravimetric Water Content

Cuttings samples from NC-EWDP-32P

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	32P-177.50-180.00-D	05/08/06	14.1	515.4	497.2	18.2	483.1	0.038
37	32P-182.50-185.00-D	05/08/06	13.8	482.3	463.4	18.9	449.6	0.042
38	32P-187.50-190.00-D	05/08/06	13.8	379.9	361.4	18.5	347.6	0.053
39	32P-192.50-195.00-D	05/08/06	13.6	410.7	386.0	24.7	372.4	0.066
40	32P-197.50-200.00-D	05/08/06	14.1	473.5	452.8	20.8	438.6	0.047
41	32P-202.50-205.00-D	05/08/06	13.6	389.5	362.8	26.7	349.2	0.076
42	32P-207.50-210.00-D	05/08/06	14.2	466.5	443.3	23.2	429.1	0.054
43	32P-212.50-215.00-D	05/09/06	13.7	370.0	353.6	16.4	339.9	0.048
44	32P-217.50-220.00-D	05/09/06	13.8	382.1	365.4	16.7	351.6	0.048
45	32P-222.50-225.00-D	05/09/06	14.3	425.7	410.4	15.4	396.1	0.039
46	32P-227.50-230.00-D	05/09/06	14.1	491.7	367.1	124.7	352.9	0.353
47	32P-232.50-235.00-D	05/09/06	13.6	376.1	353.8	22.3	340.3	0.066
48	32P-237.50-240.00-D	05/09/06	13.7	380.8	359.1	21.7	345.4	0.063
49	32P-242.50-245.00-D	05/09/06	13.8	415.3	391.7	23.7	377.9	0.063
50	32P-247.50-250.00-D	05/09/06	13.8	439.6	415.3	24.2	401.5	0.060
51	32P-252.50-255.00-D	05/09/06	14.2	387.9	368.0	20.0	353.8	0.056
52	32P-257.50-260.00-D	05/09/06	14.1	393.5	372.7	20.8	358.6	0.058
53	32P-730.00-730.10-D	10/25/06	13.9	769.0	753.8	15.1	739.9	0.020
54	32P-750.00-750.10-D	10/25/06	13.7	387.2	284.3	102.9	270.6	0.380
55	32P-770.00-770.10-D	10/25/06	13.7	1291.6	1235.4	56.2	1221.8	0.046
56	32P-790.00-790.10-D	10/25/06	14.1	539.7	455.3	84.4	441.2	0.191
57	32P-810.00-810.10-D	10/25/06	14.1	569.0	444.4	124.6	430.3	0.290
58	32P-830.00-830.10-D	10/25/06	14.2	497.5	417.5	80.1	403.2	0.199
59	32P-850.00-850.10-D	10/25/06	13.6	952.2	815.7	136.5	802.1	0.170
60	32P-870.00-870.10-D	10/26/06	14.2	900.5	841.6	58.9	827.4	0.071
61	32P-890.00-890.10-D	10/26/06	14.2	1049.8	899.1	150.7	884.9	0.170
62	32P-910.00-910.10-D	10/26/06	234.2	3234.3	2666.7	567.6	2432.5	0.233
63	32P-930.00-930.10-D	10/26/06	13.7	935.4	581.2	354.2	567.5	0.624
64	32P-950.00-950.10-D	10/26/06	13.8	662.3	476.8	185.4	463.1	0.400
65	32P-970.00-970.10-D	10/30/06	14.1	748.1	486.6	261.5	472.5	0.553
66	32P-990.00-990.10-D	10/30/06	13.8	645.6	631.9	13.7	618.1	0.022
67	32P-730.10-732.50-D	10/30/06	13.8	958.1	797.7	160.5	783.8	0.205

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Gravimetric Water Content Censoring Report

Test ID	Sample Number	Test Date	Gravimetric Water Content (g/g)	Censored	Reasons for Censoring
82	24PB-412.50-415.00-D	02/21/06	0.108	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
50	32P-247.50-250.00-D	05/24/06	0.035	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
50	32P-247.50-250.00-D	05/09/06	0.060	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	05/24/06	0.023	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	05/09/06	0.056	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
52	32P-257.50-260.00-D	05/24/06	0.027	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
52	32P-257.50-260.00-D	05/09/06	0.058	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
64	32P-950.00-950.10-D	10/26/06	0.400	☑	Indurated non-alluvium sample; test should not have been performed.
65	32P-970.00-970.10-D	10/30/06	0.553	☑	Indurated non-alluvium sample; test should not have been performed.
66	32P-990.00-990.10-D	10/30/06	0.022	☑	Indurated non-alluvium sample; test should not have been performed.

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Gravimetric Water Content Censoring Report

Test ID	Sample Number	Test Date	Gravimetric Water Content (g/g)	Censored	Reasons for Censoring
48	22PC-560.2-562.8-SC	11/22/04	-0.055	☑	This record was censored because of incorrect sample weights.
63	22PC-595.0-595.7-SC	11/23/04	-0.067	☑	Small sample has large fractions. 1/4's may be suspect.
82	22PC-629.1-629.7-SC	11/29/04	-0.315	☑	This record was censored because of incorrect sample weights.
84	22PC-631.0-631.9-SC	11/29/04	-0.350	☑	This record was censored because of incorrect sample weights.
108	22PC-678.1-679.4-SC	12/01/04	-0.576	☑	This record was censored because of incorrect sample weights.
109	22PC-679.4-684.2-SC	12/01/04	-0.561	☑	This record was censored because of incorrect sample weights.
110	22PC-684.2-686.9-SC	12/01/04	-0.609	☑	This record was censored because of incorrect sample weights.
111	22PC-686.9-687.4-SC	12/01/04	-0.859	☑	This record was censored because of incorrect sample weights.
112	22PC-688.1-689.3-SC	12/01/04	-0.294	☑	This record was censored because of incorrect sample weights.

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-13P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
13P-2.5-5.0-D	8/10/05	27.0	0.961	116.42	111.88	414.90	2.643	2	21	12.9	4.80	16.20	20.0	1.00	0.01365	0.0347	3.9
								5	19	13.2		14.20				0.0222	3.4
								15	17	13.5		12.20				0.0129	2.9
								45	15	13.8		10.20				0.0076	2.5
								120	13	14.2		8.20				0.0047	2.0
13P-7.5-10.0-D	8/10/05	55.4	0.963	114.36	110.15	198.92	2.649	2	16	13.7	4.80	11.20	20.0	1.00	0.01365	0.0357	5.6
								5	14	14.0		9.20				0.0228	4.6
								15	13	14.2		8.20				0.0133	4.1
								45	12	14.3		7.20				0.0077	3.6
								120	10	14.7		5.20				0.0048	2.6
13P-12.5-15.0-D	8/10/05	48.6	0.972	117.92	114.63	235.76	2.595	2	13	14.2	4.80	8.20	20.0	1.01	0.01386	0.0369	3.5
								5	12	14.3		7.20				0.0234	3.1
								15	11	14.5		6.20				0.0136	2.7
								45	10	14.7		5.20				0.0079	2.2
								120	9	14.8		4.20				0.0049	1.8
13P-17.5-20.0-D	8/10/05	51.0	0.975	115.86	113.01	221.76	2.648	2	13	14.2	4.80	8.20	20.0	1.00	0.01365	0.0364	3.7
								5	11	14.5		6.20				0.0232	2.8
								15	10	14.7		5.20				0.0135	2.3
								45	9	14.8		4.20				0.0078	1.9
								120	8	15.0		3.20				0.0048	1.4
13P-22.5-25.0-D	8/10/05	49.8	0.966	116.65	112.66	226.33	2.615	2	19	13.2	4.80	14.20	20.0	1.01	0.01386	0.0356	6.3
								5	18	13.3		13.20				0.0226	5.9
								15	16	13.7		11.20				0.0132	5.0
								45	14	14.0		9.20				0.0077	4.1
								120	13	14.2		8.20				0.0048	3.7
13P-27.5-30.0-D	8/10/05	48.3	0.980	114.86	112.52	233.12	2.634	2	17	13.5	4.80	12.20	20.0	1.00	0.01365	0.0355	5.2
								5	14	14.0		9.20				0.0228	3.9
								15	13	14.2		8.20				0.0133	3.5
								45	11	14.5		6.20				0.0077	2.7
								120	10	14.7		5.20				0.0048	2.2
13P-32.5-35.0-D	8/11/05	53.0	0.973	115.59	112.51	212.47	2.569	2	18	13.3	4.80	13.20	20.0	1.02	0.01408	0.0363	6.3
								5	16	13.7		11.20				0.0233	5.4
								15	15	13.8		10.20				0.0135	4.9
								45	13	14.2		8.20				0.0079	3.9
								120	11	14.5		6.20				0.0049	3.0
13P-37.5-40.0-D	8/11/05	54.6	0.981	116.82	114.63	209.83	2.537	2	14	14.0	4.80	9.20	20.0	1.02	0.01408	0.0373	4.5
								5	12	14.3		7.20				0.0238	3.5
								15	11	14.5		6.20				0.0138	3.0
								45	10	14.7		5.20				0.0080	2.5
								120	9	14.8		4.20				0.0049	2.0

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-13P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
13P-42.5-45.0-D	8/11/05	54.4	0.982	115.44	113.36	208.50	2.517	2	11	14.5	4.80	6.20	20.0	1.03	0.01431	0.0385	3.1
								5	10	14.7		5.20				0.0245	2.6
								15	9	14.8		4.20				0.0142	2.1
								45	8	15.0		3.20				0.0083	1.6
								120	8	15.0		3.20				0.0051	1.6
13P-47.5-50.0-D	8/11/05		0.973	114.84	111.78		2.542	2	12	14.3	4.80	7.20	20.0	1.02	0.01408	0.0376	
								5	11	14.5		6.20				0.0240	
								15	10	14.7		5.20				0.0139	
								45	9	14.8		4.20				0.0081	
								120	9	14.8		4.20				0.0049	
13P-52.5-55.0-D	8/11/05	41.5	0.984	116.55	114.67	276.17	2.573	2	12	14.3	4.80	7.20	20.0	1.02	0.01408	0.0376	2.7
								5	11	14.5		6.20				0.0240	2.3
								15	10	14.7		5.20				0.0139	1.9
								45	9	14.8		4.20				0.0081	1.6
								120	9	14.8		4.20				0.0049	1.6
13P-57.5-60.0-D	8/11/05	47.9	0.988	117.32	115.92	241.90	2.602	2	10	14.7	4.80	5.20	20.0	1.01	0.01386	0.0376	2.2
								5	9	14.8		4.20				0.0238	1.8
								15	8	15.0		3.20				0.0139	1.3
								45	8	15.0		3.20				0.0080	1.3
								120	8	15.0		3.20				0.0049	1.3
13P-62.5-65.0-D	8/15/05	36.3	0.954	114.78	109.47	301.80	2.572	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	4.1
								5	15	13.8		10.20				0.0234	3.4
								15	14	14.0		9.20				0.0136	3.1
								45	12	14.3		7.20				0.0079	2.4
								120	11	14.5		6.20				0.0049	2.1
13P-67.5-70.0-D	8/15/05	74.4	0.957	117.18	112.09	150.72	2.566	2	18	13.3	4.80	13.20	20.0	1.02	0.01408	0.0363	8.9
								5	16	13.7		11.20				0.0233	7.6
								15	15	13.8		10.20				0.0135	6.9
								45	14	14.0		9.20				0.0079	6.2
								120	13	14.2		8.20				0.0048	5.5
13P-72.5-75.0-D	8/15/05	82.7	0.971	114.33	111.07	134.29	2.558	2	19	13.2	4.80	14.20	20.0	1.02	0.01408	0.0362	10.8
								5	17	13.5		12.20				0.0231	9.3
								15	16	13.7		11.20				0.0135	8.5
								45	14	14.0		9.20				0.0079	7.0
								120	13	14.2		8.20				0.0048	6.2
13P-77.5-80.0-D	8/15/05	64.0	0.977	115.45	112.85	176.24	2.562	2	22	12.7	4.80	17.20	20.0	1.02	0.01408	0.0355	10.0
								5	19	13.2		14.20				0.0229	8.2
								15	18	13.3		13.20				0.0133	7.6
								45	15	13.8		10.20				0.0078	5.9
								120	14	14.0		9.20				0.0048	5.3

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-13P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm^3)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
13P-82.5-85.0-D	8/15/05	72.2	0.948	115.31	109.33	151.41	2.579	2	19	13.2	4.80	14.20	20.0	1.01	0.01365	0.0351	9.5
								5	17	13.5		12.20				0.0224	8.1
								15	16	13.7		11.20				0.0130	7.5
								45	15	13.8		10.20				0.0076	6.8
								120	14	14.0		9.20				0.0047	6.1
13P-162.5-165.0-D	8/15/05	77.0	0.926	117.19	108.56	140.92	2.616	2	27	11.9	4.80	22.20	20.0	1.01	0.01365	0.0333	15.9
								5	24	12.4		19.20				0.0215	13.8
								15	21	12.9		16.20				0.0127	11.6
								45	18	13.3		13.20				0.0074	9.5
								120	16	13.7		11.20				0.0046	8.0
13P-167.5-170.0-D	8/16/05	68.0	0.864	118.32	102.27	150.40	2.682	2	45	8.9	4.80	40.20	20.0	0.99	0.01344	0.0284	26.5
								5	41	9.6		36.20				0.0186	23.8
								15	36	10.4		31.20				0.0112	20.5
								45	32	11.1		27.20				0.0067	17.9
								120	30	11.4		25.20				0.0041	16.6
13P-172.5-175.0-D	8/16/05	83.1	0.900	115.23	103.69	124.82	2.628	2	36	10.4	4.80	31.20	20.0	1.00	0.01365	0.0311	25.0
								5	33	10.9		28.20				0.0202	22.6
								15	30	11.4		25.20				0.0119	20.2
								45	27	11.9		22.20				0.0070	17.8
								120	24	12.4		19.20				0.0044	15.4
13P-177.5-180.0-D	8/16/05	88.3	0.893	51.42	45.91	52.02	2.671	2	30	11.4	4.80	25.20	20.0	1.00	0.01365	0.0326	48.4
								5	29	11.5		24.20				0.0207	46.5
								15	28	11.7		23.20				0.0121	44.6
								45	26	12.0		21.20				0.0070	40.8
								120	25	12.2		20.20				0.0044	38.8
13P-192.5-195.0-D	8/16/05	99.2	0.854	52.33	44.70	45.07	2.688	2	32	11.1	4.80	27.20	20.0	0.99	0.01344	0.0317	59.8
								5	31	11.2		26.20				0.0201	57.6
								15	30	11.4		25.20				0.0117	55.4
								45	29	11.5		24.20				0.0068	53.2
								120	27	11.9		22.20				0.0042	48.8
13P-197.5-200.0-D	8/16/05	100.0	0.877	52.25	45.81	45.81	2.704	2	39	9.9	4.80	34.20	20.0	0.99	0.01344	0.0299	73.9
								5	38	10.1		33.20				0.0191	71.7
								15	37	10.2		32.20				0.0111	69.6
								45	35	10.6		30.20				0.0065	65.3
								120	31	11.2		26.20				0.0041	56.6
13P-202.5-205.0-D	8/17/05	65.8	0.982	115.75	113.70	172.75	2.600	2	24	12.2	4.80	19.20	20.0	1.01	0.01386	0.0342	11.2
								5	22	12.7		17.20				0.0221	10.1
								15	20	13.0		15.20				0.0129	8.9
								45	18	13.3		13.20				0.0075	7.7
								120	16	13.7		11.20				0.0047	6.5

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-13P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
13P-207.5-210.0-D	8/17/05	73.6	0.969	113.58	110.02	149.42	2.629	2	32	11.1	4.80	27.20	20.0	1.00	0.01365	0.0322	18.2
								5	30	11.4		25.20				0.0206	16.9
								15	27	11.9		22.20				0.0122	14.9
								45	24	12.4		19.20				0.0072	12.8
								120	22	12.7		17.20				0.0044	11.5
13P-212.5-215.0-D	8/17/05	68.3	0.968	115.81	112.14	164.29	2.618	2	37	10.2	4.80	32.20	20.0	1.01	0.01386	0.0313	19.8
								5	35	10.6		30.20				0.0202	18.6
								15	32	11.1		27.20				0.0119	16.7
								45	29	11.5		24.20				0.0070	14.9
								120	26	12.0		21.20				0.0044	13.0
13P-217.5-220.0-D	8/17/05	76.5	0.976	112.74	110.02	143.76	2.616	2	28	11.7	4.80	23.20	20.0	1.02	0.01408	0.0341	16.5
								5	26	12.0		21.20				0.0218	15.0
								15	23	12.5		18.20				0.0129	12.9
								45	21	12.9		16.20				0.0075	11.5
								120	19	13.2		14.20				0.0047	10.1
13P-222.5-225.0-D	8/17/05	68.9	0.975	111.07	108.27	157.15	2.607	2	28	11.7	4.80	23.20	20.0	1.01	0.01386	0.0335	14.9
								5	25	12.2		20.20				0.0217	13.0
								15	23	12.5		18.20				0.0127	11.7
								45	20	13.0		15.20				0.0074	9.8
								120	18	13.3		13.20				0.0046	8.5
13P-227.5-230.0-D	8/17/05	69.1	0.973	112.73	109.65	158.70	2.589	2	31	11.2	4.80	26.20	20.0	1.01	0.01386	0.0328	16.7
								5	28	11.7		23.20				0.0212	14.8
								15	25	12.2		20.20				0.0125	12.9
								45	23	12.5		18.20				0.0073	11.6
								120	20	13.0		15.20				0.0046	9.7
13P-232.5-235.0-D	8/18/05	68.5	0.981	110.06	108.02	157.67	2.580	2	25	12.2	4.80	20.20	20.0	1.01	0.01386	0.0342	12.9
								5	23	12.5		18.20				0.0219	11.7
								15	21	12.9		16.20				0.0129	10.4
								45	19	13.2		14.20				0.0075	9.1
								120	17	13.5		12.20				0.0046	7.8
13P-237.5-240.0-D	8/18/05	70.0	0.976	115.28	112.47	160.77	2.589	2	26	12.0	4.80	21.20	20.0	1.01	0.01386	0.0339	13.3
								5	23	12.5		18.20				0.0219	11.4
								15	21	12.9		16.20				0.0129	10.2
								45	19	13.2		14.20				0.0075	8.9
								120	17	13.5		12.20				0.0046	7.7
13P-242.5-245.0-D	8/18/05	88.7	0.989	116.35	115.11	129.76	2.474	2	16	13.7	4.80	11.34	20.0	1.05	0.01456	0.0381	9.2
								5	14	14.0		9.20				0.0244	7.4
								15	13	14.2		8.20				0.0142	6.6
								45	12	14.3		7.20				0.0082	5.8
								120	10	14.7		5.20				0.0051	4.2

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-13P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
13P-247.5-250.0-D	8/18/05	64.2	0.987	113.64	112.12	174.77	2.518	2	18	13.3	4.80	13.20	20.0	1.03	0.01431	0.0369	7.8
								5	15	13.8		10.20				0.0238	6.0
								15	14	14.0		9.20				0.0138	5.4
								45	12	14.3		7.20				0.0081	4.2
								120	10	14.7		5.20				0.0050	3.1
13P-252.5-255.0-D	8/18/05	69.8	0.974	115.36	112.40	160.96	2.570	2	23	12.5	4.80	18.20	20.0	1.02	0.01408	0.0352	11.5
								5	20	13.0		15.20				0.0227	9.6
								15	18	13.3		13.20				0.0133	8.4
								45	15	13.8		10.20				0.0078	6.5
								120	13	14.2		8.20				0.0048	5.2
13P-257.5-260.0-D	8/18/05	76.7	0.980	113.43	111.12	144.96	2.584	2	20	13.0	4.80	15.20	20.0	1.01	0.01386	0.0353	10.6
								5	18	13.3		13.20				0.0226	9.2
								15	16	13.7		11.20				0.0132	7.8
								45	14	14.0		9.20				0.0077	6.4
								120	13	14.2		8.20				0.0048	5.7

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-42.5-45.0-D	7/12/05	50.3	0.981	113.15	111.02	220.82	2.532	2	16	13.7	4.60	11.40	21.0	1.02	0.01391	0.0364	5.3
								5	14	14.0		9.40				0.0233	4.3
								15	12	14.3		7.40				0.0136	3.4
								45	10	14.7		5.40				0.0080	2.5
								120	9	14.8		4.40				0.0049	2.0
22PC-100.0-102.5-D	7/12/05	37.4	0.980	114.28	112.04	299.68	2.558	2	15	13.8	4.60	10.40	21.0	1.02	0.01391	0.0365	3.5
								5	12	14.3		7.40				0.0235	2.5
								15	10	14.7		5.40				0.0138	1.8
								45	8	15.0		3.40				0.0080	1.2
								120	7	15.2		2.40				0.0050	0.8
22PC-157.5-160.0-D	7/12/05	25.9	0.960	118.33	113.63	438.74	2.548	2	19	13.2	4.60	14.40	21.0	1.02	0.01391	0.0357	3.3
								5	16	13.7		11.40				0.0230	2.7
								15	13	14.2		8.40				0.0135	2.0
								45	11	14.5		6.40				0.0079	1.5
								120	10	14.7		5.40				0.0049	1.3
22PC-177.5-180.0-D	7/12/05	34.2	0.931	113.97	106.07	309.83	2.564	2	22	12.7	4.60	17.40	21.0	1.02	0.01391	0.0351	5.7
								5	20	13.0		15.40				0.0224	5.1
								15	18	13.3		13.40				0.0131	4.4
								45	16	13.7		11.40				0.0077	3.8
								120	15	13.8		10.40				0.0047	3.4
22PC-192.5-195.0-D	7/12/05	42.3	0.921	119.75	110.23	260.51	2.572	2	20	13.0	4.60	15.40	21.0	1.02	0.01391	0.0355	6.0
								5	17	13.5		12.40				0.0229	4.9
								15	15	13.8		10.40				0.0133	4.1
								45	13	14.2		8.40				0.0078	3.3
								120	12	14.3		7.40				0.0048	2.9
22PC-217.5-220.0-D	7/13/05	29.9	0.953	116.62	111.15	372.13	2.588	2	17	13.5	4.80	12.20	20.0	1.01	0.01386	0.0360	3.3
								5	15	13.8		10.20				0.0230	2.8
								15	13	14.2		8.20				0.0135	2.2
								45	10	14.7		5.20				0.0079	1.4
								120	9	14.8		4.20				0.0049	1.1
22PC-242.5-245.0-D	7/13/05	34.6	0.964	118.98	114.74	331.92	2.570	2	18	13.3	4.80	13.20	20.0	1.02	0.01408	0.0363	4.1
								5	15	13.8		10.20				0.0234	3.1
								15	13	14.2		8.20				0.0137	2.5
								45	10	14.7		5.20				0.0080	1.6
								120	9	14.8		4.20				0.0049	1.3
22PC-267.5-270.0-D	7/13/05	51.2	0.940	112.31	105.53	206.26	2.562	2	15	13.8	4.80	10.20	20.0	1.02	0.01408	0.0370	5.0
								5	13	14.2		8.20				0.0237	4.1
								15	11	14.5		6.20				0.0138	3.1
								45	9	14.8		4.20				0.0081	2.1
								120	8	15.0		3.20				0.0050	1.6

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-292.5-295.0-D	7/13/05	25.9	0.890	113.06	100.67	389.42	2.577	2	19	13.2	4.80	14.20	20.0	1.01	0.01386	0.0356	3.7
								5	18	13.8		13.20				0.0230	3.4
								15	16	13.7		11.20				0.0132	2.9
								45	15	13.8		10.20				0.0077	2.6
								120	14	14.0		9.20				0.0047	2.4
22PC-317.5-320.0-D	7/13/05	28.3	0.914	116.56	106.48	376.56	2.590	2	19	13.2	4.80	14.20	20.0	1.01	0.01386	0.0356	3.8
								5	18	13.3		13.20				0.0226	3.5
								15	16	13.7		11.20				0.0132	3.0
								45	15	13.8		10.20				0.0077	2.7
								120	14	14.0		9.20				0.0047	2.5
22PC-342.5-345.0-D	7/13/05	35.0	0.923	117.28	108.24	309.41	2.568	2	24	12.4	4.80	19.20	20.0	1.02	0.01408	0.0351	6.3
								5	22	12.7		17.20				0.0224	5.7
								15	19	13.2		14.20				0.0132	4.7
								45	18	13.3		13.20				0.0077	4.4
								120	17	13.5		12.20				0.0047	4.0
22PC-367.5-370.0-D	7/14/05	29.0	0.908	112.09	101.72	350.22	2.567	2	25	12.2	4.80	20.20	20.0	1.02	0.01408	0.0348	5.9
								5	23	12.5		18.20				0.0223	5.3
								15	21	12.9		16.20				0.0131	4.7
								45	19	13.2		14.20				0.0076	4.1
								120	17	13.5		12.20				0.0047	3.6
22PC-392.5-395.0-D	7/14/05	39.7	0.932	116.41	108.51	273.56	2.536	2	20	13.0	4.80	15.20	20.0	1.02	0.01408	0.0359	5.7
								5	18	13.3		13.20				0.0230	4.9
								15	16	13.7		11.20				0.0135	4.2
								45	15	13.8		10.20				0.0078	3.8
								120	14	14.0		9.20				0.0048	3.4
22PC-417.5-420.0-D	7/14/05	39.5	0.978	117.79	115.18	291.50	2.556	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	8.5
								5	26	12.0		21.20				0.0218	7.4
								15	23	12.5		18.20				0.0129	6.4
								45	20	13.0		15.20				0.0076	5.3
								120	18	13.3		13.20				0.0047	4.6
22PC-442.5-445.0-D	7/14/05	38.7	0.974	114.32	111.33	287.58	2.557	2	38	10.1	4.60	33.40	21.0	1.02	0.01391	0.0313	11.8
								5	34	10.7		29.40				0.0203	10.4
								15	32	11.1		27.40				0.0120	9.7
								45	30	11.4		25.40				0.0070	9.0
								120	28	11.7		23.40				0.0043	8.3

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-460.0-460.5-SC	12/15/04	36.8	0.933	109.59	102.23	277.96	2.574	2	30	11.4	4.60	25.40	21.0	1.02	0.01391	0.0332	9.3
								5	27	11.9		22.40				0.0215	8.2
								15	24	12.4		19.40				0.0126	7.1
								45	21	12.9		16.40				0.0074	6.0
								120	19	13.2		14.40				0.0046	5.3
22PC-460.5-461.1-SC	12/15/04	33.3	0.934	107.63	100.52	301.58	2.524	2	34	10.7	4.60	29.40	21.0	1.03	0.01414	0.0327	10.0
								5	30	11.4		25.40				0.0214	8.7
								15	27	11.9		22.40				0.0126	7.7
								45	24	12.4		19.40				0.0074	6.6
								120	20	13.0		15.40				0.0047	5.3
22PC-461.1-461.8-SC	12/15/04	34.7	0.921	109.09	100.46	289.66	2.536	2	27	11.9	4.60	22.40	21.0	1.02	0.01391	0.0339	7.9
								5	24	12.4		19.40				0.0219	6.8
								15	21	12.9		16.40				0.0129	5.8
								45	18	13.3		13.40				0.0076	4.7
								120	15	13.8		10.40				0.0047	3.7
22PC-461.8-463.7-SC	12/15/04	38.6	0.934	105.18	98.27	254.77	2.560	2	37	10.2	4.60	32.40	21.0	1.02	0.01391	0.0314	13.0
								5	33	10.9		28.40				0.0205	11.4
								15	29	11.5		24.40				0.0122	9.8
								45	26	12.0		21.40				0.0072	8.6
								120	23	12.5		18.40				0.0045	7.4
22PC-463.7-464.2-SC	12/15/04	57.6	0.919	104.93	96.43	167.55	2.545	2	35	10.6	4.60	30.40	21.0	1.02	0.01391	0.0320	18.5
								5	32	11.1		27.40				0.0207	16.7
								15	28	11.7		23.40				0.0123	14.2
								45	25	12.2		20.40				0.0072	12.4
								120	22	12.7		17.40				0.0045	10.6
22PC-464.2-466.3-SC	12/15/04	34.3	0.924	109.43	101.06	294.33	2.518	2	31	11.2	4.60	26.40	21.0	1.03	0.01414	0.0335	9.2
								5	28	11.7		23.40				0.0216	8.2
								15	25	12.2		20.40				0.0128	7.1
								45	22	12.7		17.40				0.0075	6.1
								120	20	13.0		15.40				0.0047	5.4
22PC-466.3-468.1-SC	12/16/04	21.7	0.935	114.21	106.83	492.56	2.574	2	35	10.6	4.60	30.40	21.0	1.02	0.01391	0.0320	6.3
								5	31	11.2		26.40				0.0208	5.5
								15	27	11.9		22.40				0.0124	4.6
								45	24	12.4		19.40				0.0073	4.0
								120	21	12.9		16.40				0.0046	3.4
22PC-468.1-469.1-SC	12/16/04	55.2	0.929	114.36	106.27	192.41	2.563	2	34	10.7	4.60	29.40	21.0	1.02	0.01391	0.0322	15.6
								5	31	11.2		26.40				0.0208	14.0
								15	27	11.9		22.40				0.0124	11.9
								45	24	12.4		19.40				0.0073	10.3
								120	21	12.9		16.40				0.0046	8.7

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-469.1-471.4-SC	12/16/04	45.5	0.949	112.33	106.58	234.23	2.552	2	30	11.4	4.60	25.40	21.0	1.02	0.01391	0.0332	11.1
								5	26	12.0		21.40				0.0215	9.3
								15	23	12.5		18.40				0.0127	8.0
								45	20	13.0		15.40				0.0075	6.7
								120	18	13.3		13.40				0.0046	5.8
22PC-471.4-473.2-SC	12/16/04	42.6	0.939	110.48	103.75	243.65	2.568	2	23	12.5	4.60	18.40	21.0	1.02	0.01391	0.0348	7.7
								5	20	13.0		15.40				0.0224	6.4
								15	19	13.2		14.40				0.0130	6.0
								45	17	13.5		12.40				0.0076	5.2
								120	15	13.8		10.40				0.0047	4.4
22PC-473.2-474.5-SC	12/16/04	39.7	0.935	112.79	105.44	265.80	2.555	2	35	10.6	4.60	30.40	21.0	1.02	0.01391	0.0320	11.7
								5	32	11.1		27.40				0.0207	10.5
								15	29	11.5		24.40				0.0122	9.4
								45	26	12.0		21.40				0.0072	8.2
								120	23	12.5		18.40				0.0045	7.1
22PC-474.5-476.2-SC	12/16/04	46.0	0.926	111.69	103.40	224.57	2.540	2	32	11.1	4.60	27.40	21.0	1.02	0.01391	0.0328	12.4
								5	29	11.5		24.40				0.0211	11.1
								15	26	12.0		21.40				0.0124	9.7
								45	23	12.5		18.40				0.0073	8.4
								120	20	13.0		15.40				0.0046	7.0
22PC-476.2-481.8-SC	12/17/04	47.0	0.945	108.36	102.41	217.67	2.526	2	32	11.1	4.80	27.20	20.0	1.02	0.01408	0.0332	12.7
								5	29	11.5		24.20				0.0214	11.3
								15	25	12.2		20.20				0.0127	9.5
								45	22	12.7		17.20				0.0075	8.1
								120	19	13.2		14.20				0.0047	6.7
22PC-483.7-484.6-SC	12/17/04	30.9	0.934	109.75	102.53	331.65	2.503	2	34	10.7	4.80	29.20	20.0	1.03	0.01431	0.0331	9.1
								5	30	11.4		25.20				0.0216	7.8
								15	26	12.0		21.20				0.0128	6.6
								45	23	12.5		18.20				0.0075	5.7
								120	20	13.0		15.20				0.0047	4.7
22PC-484.6-488.8-SC	12/17/04	38.6	0.914	110.58	101.10	261.92	2.509	2	30	11.4	4.80	25.20	20.0	1.03	0.01431	0.0342	9.9
								5	27	11.9		22.20				0.0221	8.7
								15	24	12.4		19.20				0.0130	7.6
								45	21	12.9		16.20				0.0077	6.4
								120	19	13.2		14.20				0.0047	5.6
22PC-488.8-491.8-SC	12/17/04	57.1	0.953	108.67	103.57	181.51	2.512	2	38	10.1	4.80	33.20	20.0	1.03	0.01431	0.0322	18.8
								5	34	10.7		29.20				0.0209	16.6
								15	31	11.2		26.20				0.0124	14.9
								45	27	11.9		22.20				0.0074	12.6
								120	25	12.2		20.20				0.0046	11.5

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-492.1-493.8-SC	12/17/04	37.3	0.928	111.97	103.86	278.47	2.530	2	31	11.2	4.80	26.20	20.0	1.02	0.01408	0.0333	9.6
								5	28	11.7		23.20				0.0215	8.5
								15	25	12.2		20.20				0.0127	7.4
								45	21	12.9		16.20				0.0075	5.9
								120	19	13.2		14.20				0.0047	5.2
22PC-493.8-494.6-SC	12/17/04	45.1	0.921	107.54	99.04	219.69	2.530	2	39	9.9	4.80	34.20	20.0	1.02	0.01408	0.0313	15.9
								5	35	10.6		30.20				0.0205	14.0
								15	31	11.2		26.20				0.0122	12.2
								45	27	11.9		22.20				0.0072	10.3
								120	24	12.4		19.20				0.0045	8.9
22PC-494.6-497.2-SC	12/20/04	38.0	0.932	106.05	98.81	260.17	2.532	2	28	11.7	4.80	23.20	20.0	1.02	0.01408	0.0341	9.1
								5	25	12.2		20.20				0.0220	7.9
								15	23	12.5		18.20				0.0129	7.1
								45	19	13.2		14.20				0.0076	5.6
								120	17	13.5		12.20				0.0047	4.8
22PC-497.2-499.6-SC	12/20/04	39.9	0.913	108.34	98.94	247.95	2.511	2	28	11.7	4.80	23.20	20.0	1.03	0.01431	0.0346	9.6
								5	25	12.2		20.20				0.0224	8.4
								15	23	12.5		18.20				0.0131	7.6
								45	20	13.0		15.20				0.0077	6.3
								120	18	13.3		13.20				0.0048	5.5
22PC-499.6-501.4-SC	12/20/04	35.3	0.934	111.95	104.55	296.46	2.521	2	39	9.9	4.80	34.20	20.0	1.03	0.01431	0.0318	11.9
								5	36	10.4		31.20				0.0206	10.8
								15	33	10.9		28.20				0.0122	9.8
								45	29	11.5		24.20				0.0072	8.4
								120	26	12.0		21.20				0.0045	7.4
22PC-501.4-504.2-SC	12/20/04	37.2	0.965	112.45	108.56	291.89	2.520	2	46	8.8	4.80	41.20	20.0	1.03	0.01431	0.0300	14.5
								5	42	9.4		37.20				0.0196	13.1
								15	37	10.2		32.20				0.0118	11.4
								45	33	10.9		28.20				0.0070	10.0
								120	30	11.4		25.20				0.0044	8.9
22PC-504.5-505.0-SC	12/20/04	42.5	0.942	111.05	104.56	246.04	2.555	2	36	10.4	4.80	31.20	20.0	1.02	0.01408	0.0321	12.9
								5	32	11.1		27.20				0.0210	11.3
								15	29	11.5		24.20				0.0123	10.0
								45	25	12.2		20.20				0.0073	8.4
								120	23	12.5		18.20				0.0045	7.5
22PC-505.0-509.1-SC	12/20/04	43.5	0.934	110.28	102.99	236.90	2.510	2	29	11.5	4.80	24.20	20.0	1.03	0.01431	0.0343	10.5
								5	26	12.0		21.20				0.0222	9.2
								15	24	12.4		19.20				0.0130	8.3
								45	21	12.9		16.20				0.0077	7.0
								120	19	13.2		14.20				0.0047	6.2

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm^3)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-509.1-509.4-SC	12/21/04	45.3	0.951	109.82	104.42	230.73	2.555	2	30	11.4	4.60	25.40	21.0	1.02	0.01391	0.0332	11.2
								5	27	11.9		22.40				0.0215	9.9
								15	24	12.4		19.40				0.0126	8.6
								45	20	13.0		15.40				0.0075	6.8
								120	18	13.3		13.40				0.0046	5.9
22PC-509.4-513.5-SC	12/21/04	39.8	0.916	107.11	98.06	246.08	2.517	2	25	12.2	4.60	20.40	21.0	1.03	0.01414	0.0349	8.5
								5	22	12.7		17.40				0.0225	7.3
								15	20	13.0		15.40				0.0132	6.4
								45	17	13.5		12.40				0.0077	5.2
								120	15	13.8		10.40				0.0048	4.4
22PC-513.5-516.2-SC	12/21/04	35.2	0.914	111.59	102.04	289.60	2.523	2	31	11.2	4.60	26.40	21.0	1.03	0.01414	0.0335	9.4
								5	28	11.7		23.40				0.0216	8.3
								15	26	12.0		21.40				0.0126	7.6
								45	23	12.5		18.40				0.0075	6.5
								120	20	13.0		15.40				0.0047	5.5
22PC-516.2-519.2-SC	12/21/04	39.9	0.950	109.98	104.52	262.15	2.535	2	27	11.9	4.60	22.40	21.0	1.02	0.01391	0.0339	8.7
								5	24	12.4		19.40				0.0219	7.5
								15	22	12.7		17.40				0.0128	6.8
								45	19	13.2		14.40				0.0075	5.6
								120	17	13.5		12.40				0.0047	4.8
22PC-520.4-521.1-SC	12/21/04	38.4	0.948	112.79	106.91	278.29	2.517	2	36	10.4	4.60	31.40	21.0	1.03	0.01414	0.0322	11.6
								5	33	10.9		28.40				0.0209	10.5
								15	29	11.5		24.40				0.0124	9.0
								45	25	12.2		20.40				0.0074	7.6
								120	22	12.7		17.40				0.0046	6.4
22PC-521.1-521.8-SC	12/21/04	43.2	0.952	110.71	105.41	243.89	2.530	2	25	12.2	4.60	20.40	21.0	1.02	0.01391	0.0344	8.5
								5	22	12.7		17.40				0.0222	7.3
								15	20	13.0		15.40				0.0129	6.4
								45	18	13.3		13.40				0.0076	5.6
								120	16	13.7		11.40				0.0047	4.8
22PC-521.8-522.7-SC	12/22/04	39.0	0.906	112.02	101.53	260.35	2.552	2	37	10.2	5.00	32.00	19.0	1.02	0.01425	0.0322	12.5
								5	34	10.7		29.00				0.0208	11.4
								15	31	11.2		26.00				0.0123	10.2
								45	27	11.9		22.00				0.0073	8.6
								120	24	12.4		19.00				0.0046	7.4
22PC-522.7-525.5-SC	12/22/04	35.3	0.944	113.92	107.58	304.70	2.530	2	31	11.2	5.00	26.00	19.0	1.02	0.01425	0.0337	8.7
								5	29	11.5		24.00				0.0216	8.0
								15	26	12.0		21.00				0.0127	7.0
								45	23	12.5		18.00				0.0075	6.0
								120	20	13.0		15.00				0.0047	5.0

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-525.5-526.5-SC	12/22/04	59.2	0.955	114.08	108.91	183.98	2.539	2	36	10.4	5.00	31.00	19.0	1.02	0.01425	0.0325	17.2
								5	33	10.9		28.00				0.0210	15.5
								15	30	11.4		25.00				0.0124	13.9
								45	26	12.0		21.00				0.0074	11.6
								120	23	12.5		18.00				0.0046	10.0
22PC-526.5-529.8-SC	12/22/04	45.7	0.960	107.69	103.36	226.13	2.542	2	33	10.9	5.00	28.00	19.0	1.02	0.01425	0.0333	12.6
								5	30	11.4		25.00				0.0215	11.3
								15	27	11.9		22.00				0.0127	9.9
								45	24	12.4		19.00				0.0075	8.6
								120	22	12.7		17.00				0.0046	7.7
22PC-529.8-531.3-SC	12/22/04	38.9	0.895	113.72	101.73	261.62	2.533	2	34	10.7	5.00	29.00	19.0	1.02	0.01425	0.0330	11.3
								5	31	11.2		26.00				0.0213	10.1
								15	29	11.5		24.00				0.0125	9.4
								45	26	12.0		21.00				0.0074	8.2
								120	24	12.4		19.00				0.0046	7.4
22PC-531.3-533.1-SC	12/22/04	47.3	0.957	110.14	105.40	222.75	2.523	2	33	10.9	5.00	28.00	19.0	1.03	0.01449	0.0338	12.9
								5	30	11.4		25.00				0.0219	11.6
								15	27	11.9		22.00				0.0129	10.2
								45	24	12.4		19.00				0.0076	8.8
								120	22	12.7		17.00				0.0047	7.9
22PC-533.1-534.1-SC	12/27/04	38.0	0.932	117.87	109.87	289.21	2.547	2	36	10.4	4.80	31.20	20.0	1.02	0.01408	0.0321	11.0
								5	32	11.1		27.20				0.0210	9.6
								15	29	11.5		24.20				0.0123	8.5
								45	26	12.0		21.43				0.0073	7.6
								120	23	12.5		18.20				0.0045	6.4
22PC-534.1-536.6-SC	12/27/04	44.8	0.918	115.88	106.42	237.61	2.541	2	24	12.4	4.80	19.20	20.0	1.02	0.01408	0.0351	8.2
								5	22	12.7		17.20				0.0224	7.4
								15	19	13.2		14.20				0.0132	6.1
								45	18	13.3		13.20				0.0077	5.7
								120	15	13.8		10.20				0.0048	4.4
22PC-536.6-537.8-SC	12/27/04	50.9	0.942	110.25	103.88	203.98	2.536	2	36	10.4	4.80	31.20	20.0	1.02	0.01408	0.0321	15.6
								5	33	10.9		28.20				0.0208	14.1
								15	30	11.4		25.20				0.0123	12.6
								45	26	12.0		21.20				0.0073	10.6
								120	23	12.5		18.20				0.0045	9.1
22PC-537.8-544.0-SC	12/27/04	45.3	0.930	113.24	105.30	232.66	2.540	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	10.6
								5	26	12.0		21.20				0.0218	9.3
								15	23	12.5		18.20				0.0129	8.0
								45	20	13.0		15.20				0.0076	6.7
								120	17	13.5		12.20				0.0047	5.3

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-544.2-546.7-SC	12/27/04	40.6	0.929	111.65	103.70	255.47	2.532	2	24	12.4	4.80	19.20	20.0	1.02	0.01408	0.0351	7.7
								5	21	12.9		16.20				0.0226	6.5
								15	19	13.2		14.20				0.0132	5.7
								45	17	13.5		12.20				0.0077	4.9
								120	15	13.8		10.20				0.0048	4.1
22PC-546.7-547.5-SC	12/27/04	64.0	0.965	116.96	112.89	176.32	2.536	2	19	13.2	4.80	14.20	20.0	1.02	0.01408	0.0362	8.2
								5	17	13.5		12.20				0.0231	7.1
								15	15	13.8		10.20				0.0135	5.9
								45	13	14.2		8.31				0.0079	4.8
								120	11	14.5		6.20				0.0049	3.6
22PC-547.5-549.5-SC	12/28/04	40.5	0.930	110.58	102.84	253.84	2.552	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	9.7
								5	27	11.9		22.20				0.0217	8.9
								15	23	12.5		18.20				0.0129	7.3
								45	20	13.0		15.20				0.0076	6.1
								120	18	13.3		13.20				0.0047	5.3
22PC-549.5-550.2-SC	12/28/04	55.3	0.942	116.83	110.09	198.97	2.552	2	27	11.9	4.80	22.20	20.0	1.02	0.01408	0.0343	11.4
								5	25	12.2		20.20				0.0220	10.4
								15	23	12.5		18.20				0.0129	9.3
								45	20	13.0		15.20				0.0076	7.8
								120	18	13.3		13.20				0.0047	6.8
22PC-550.2-552.8-SC	12/28/04	29.7	0.947	114.19	108.16	363.69	2.548	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	6.8
								5	26	12.0		21.20				0.0218	5.9
								15	24	12.4		19.20				0.0128	5.4
								45	20	13.0		15.20				0.0076	4.3
								120	19	13.2		14.20				0.0047	4.0
22PC-552.8-554.5-SC	12/28/04	46.7	0.948	85.92	81.44	174.51	2.549	2	27	11.9	4.80	22.20	20.0	1.02	0.01408	0.0343	13.0
								5	24	12.4		19.20				0.0222	11.2
								15	23	12.5		18.20				0.0129	10.6
								45	21	12.9		16.20				0.0075	9.5
								120	19	13.2		14.20				0.0047	8.3
22PC-554.5-560.2-SC	12/28/04	29.1	0.934	115.10	107.53	368.93	2.537	2	34	10.7	4.80	29.20	20.0	1.02	0.01408	0.0326	8.1
								5	31	11.2		26.20				0.0211	7.2
								15	29	11.5		24.20				0.0123	6.7
								45	24	12.4		19.20				0.0074	5.3
								120	21	12.9		16.20				0.0046	4.5
22PC-560.2-562.8-SC	12/28/04	29.6	0.917	112.37	103.05	347.73	2.519	2	28	11.7	4.80	23.20	20.0	1.03	0.01431	0.0346	6.9
								5	25	12.2		20.20				0.0224	6.0
								15	22	12.7		17.20				0.0132	5.1
								45	19	13.2		14.20				0.0078	4.2
								120	17	13.5		12.20				0.0048	3.6

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-562.8-565.4-SC	12/29/04	43.7	0.961	117.77	113.20	259.19	2.542	2	24	12.4	4.80	19.20	20.0	1.02	0.01408	0.0351	7.6
								5	21	12.9		16.20				0.0226	6.4
								15	19	13.2		14.20				0.0132	5.6
								45	16	13.7		11.20				0.0078	4.4
								120	14	14.0		9.20				0.0048	3.6
22PC-565.4-567.1-SC	12/29/04	27.3	0.941	76.27	71.78	262.71	2.537	2	23	12.5	4.80	18.20	20.0	1.02	0.01408	0.0352	7.1
								5	20	13.0		15.20				0.0227	5.9
								15	19	13.2		14.20				0.0132	5.5
								45	17	13.5		12.20				0.0077	4.7
								120	15	13.8		10.20				0.0048	4.0
22PC-567.1-568.1-SC	12/29/04	46.6	0.939	114.04	107.09	229.85	2.529	2	45	8.9	4.80	40.20	20.0	1.02	0.01408	0.0297	17.8
								5	40	9.7		35.20				0.0196	15.6
								15	36	10.4		31.20				0.0117	13.8
								45	32	11.1		27.20				0.0070	12.1
								120	29	11.5		24.20				0.0044	10.7
22PC-568.1-569.9-SC	12/29/04	25.8	0.922	112.14	103.42	401.39	2.514	2	27	11.9	4.80	22.20	20.0	1.03	0.01431	0.0349	5.7
								5	23	12.5		18.20				0.0226	4.7
								15	20	13.0		15.20				0.0133	3.9
								45	17	13.5		12.20				0.0078	3.1
								120	15	13.8		10.20				0.0049	2.6
22PC-569.9-571.3-SC	12/29/04	44.4	0.933	116.67	108.91	245.51	2.540	2	24	12.4	4.80	19.20	20.0	1.02	0.01408	0.0351	8.0
								5	21	12.9		16.20				0.0226	6.7
								15	19	13.2		14.20				0.0132	5.9
								45	17	13.5		12.20				0.0077	5.1
								120	14	14.0		9.20				0.0048	3.8
22PC-571.3-578.1-SC	12/29/04	38.5	0.922	117.43	108.25	280.94	2.535	2	33	10.9	4.80	28.20	20.0	1.02	0.01408	0.0329	10.2
								5	29	11.5		24.20				0.0214	8.8
								15	26	12.0		21.20				0.0126	7.7
								45	22	12.7		17.20				0.0075	6.2
								120	19	13.2		14.20				0.0047	5.2
22PC-578.1-578.6-SC	12/30/04	39.9	0.945	109.54	103.46	259.08	2.546	2	28	11.7	4.80	23.20	20.0	1.02	0.01408	0.0341	9.1
								5	25	12.2		20.20				0.0220	8.0
								15	22	12.7		17.20				0.0130	6.8
								45	20	13.0		15.20				0.0076	6.0
								120	17	13.5		12.20				0.0047	4.8
22PC-578.6-582.8-SC	12/30/04	43.8	0.928	114.77	106.56	243.18	2.531	2	25	12.2	4.80	20.20	20.0	1.02	0.01408	0.0348	8.5
								5	21	12.9		16.20				0.0226	6.8
								15	19	13.2		14.20				0.0132	6.0
								45	16	13.7		11.20				0.0078	4.7
								120	14	14.0		9.20				0.0048	3.9

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-582.8-585.3-SC	12/30/04	31.6	0.934	110.17	102.87	325.32	2.535	2	30	11.4	4.80	25.20	20.0	1.02	0.01408	0.0336	7.9
								5	27	11.9		22.20				0.0217	7.0
								15	24	12.4		19.20				0.0128	6.0
								45	21	12.9		16.20				0.0075	5.1
								120	19	13.2		14.20				0.0047	4.5
22PC-585.3-586.2-SC	12/30/04	34.8	0.944	116.53	109.99	315.90	2.523	2	40	9.7	4.80	35.20	20.0	1.03	0.01431	0.0315	11.5
								5	36	10.4		31.20				0.0206	10.2
								15	32	11.1		27.20				0.0123	8.9
								45	28	11.7		23.20				0.0073	7.6
								120	25	12.2		20.20				0.0046	6.6
22PC-586.2-587.0-SC	12/30/04	39.7	0.936	113.43	106.19	267.18	2.537	2	30	11.4	4.80	25.20	20.0	1.02	0.01408	0.0336	9.6
								5	27	11.9		22.20				0.0217	8.5
								15	24	12.4		19.20				0.0128	7.3
								45	21	12.9		16.20				0.0075	6.2
								120	18	13.3		13.20				0.0047	5.0
22PC-587.0-587.8-SC	12/30/04	49.2	0.941	115.15	108.35	220.38	2.544	2	52	7.8	4.80	47.20	20.0	1.02	0.01408	0.0278	21.8
								5	47	8.6		42.20				0.0185	19.5
								15	42	9.4		37.20				0.0111	17.2
								45	37	10.2		32.20				0.0067	14.9
								120	33	10.9		28.20				0.0042	13.1
22PC-587.8-594.5-SC	1/3/05	47.1	0.902	111.62	100.67	213.76	2.538	2	32	11.1	5.00	27.00	19.0	1.02	0.01425	0.0336	12.9
								5	28	11.7		23.00				0.0218	11.0
								15	24	12.4		19.00				0.0130	9.1
								45	21	12.9		16.00				0.0076	7.6
								120	18	13.3		13.00				0.0047	6.2
22PC-594.5-595.0-SC	1/3/05	45.1	0.948	110.33	104.59	231.98	2.533	2	39	9.9	5.00	34.00	19.0	1.02	0.01425	0.0317	14.9
								5	36	10.4		31.00				0.0206	13.6
								15	33	10.9		28.00				0.0121	12.3
								45	29	11.5		24.00				0.0072	10.6
								120	26	12.0		21.00				0.0045	9.2
22PC-595.0-595.7-SC	1/3/05	31.1	0.941	98.39	92.62	298.27	2.520	2	31	11.2	5.00	26.00	19.0	1.03	0.01449	0.0343	9.0
								5	28	11.7		23.00				0.0222	7.9
								15	25	12.2		20.00				0.0131	6.9
								45	22	12.7		17.00				0.0077	5.9
								120	19	13.2		14.00				0.0048	4.8
22PC-595.7-597.3-SC	1/3/05	39.3	0.926	113.94	105.54	268.21	2.523	2	28	11.7	5.00	23.00	19.0	1.03	0.01449	0.0350	8.8
								5	25	12.2		20.00				0.0226	7.7
								15	22	12.7		17.00				0.0133	6.5
								45	19	13.2		14.00				0.0078	5.4
								120	17	13.5		12.00				0.0049	4.6

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-597.3-599.6-SC	1/3/05	34.4	0.929	110.99	103.10	299.69	2.529	2	31	11.2	5.00	26.00	19.0	1.02	0.01425	0.0337	8.8
								5	27	11.9		22.00				0.0220	7.5
								15	24	12.4		19.00				0.0130	6.5
								45	21	12.9		16.00				0.0076	5.4
								120	19	13.2		14.00				0.0047	4.8
22PC-599.6-600.3-SC	1/3/05	38.8	0.922	114.85	105.93	272.77	2.532	2	22	12.7	5.00	17.00	19.0	1.02	0.01425	0.0359	6.4
								5	19	13.2		14.00				0.0232	5.2
								15	17	13.5		12.00				0.0135	4.5
								45	16	13.7		11.00				0.0079	4.1
								120	14	14.0		9.00				0.0049	3.4
22PC-600.3-601.9-SC	1/4/05	42.2	0.930	116.60	108.48	257.35	2.554	2	30	11.4	5.00	25.00	19.0	1.02	0.01425	0.0340	9.9
								5	27	11.9		22.00				0.0220	8.7
								15	24	12.4		19.00				0.0130	7.5
								45	21	12.9		16.00				0.0076	6.3
								120	19	13.2		14.00				0.0047	5.5
22PC-601.9-604.1-SC	1/4/05	40.3	0.914	110.99	101.45	251.49	2.538	2	31	11.2	5.00	26.00	19.0	1.02	0.01425	0.0337	10.5
								5	28	11.7		23.00				0.0218	9.3
								15	25	12.2		20.00				0.0129	8.1
								45	22	12.7		17.00				0.0076	6.9
								120	19	13.2		14.00				0.0047	5.7
22PC-604.1-604.7-SC	1/4/05	50.1	0.916	115.83	106.14	211.96	2.537	2	27	11.9	5.00	22.00	19.0	1.02	0.01425	0.0348	10.6
								5	24	12.4		19.00				0.0224	9.1
								15	21	12.9		16.00				0.0132	7.7
								45	19	13.2		14.00				0.0077	6.7
								120	17	13.5		12.00				0.0048	5.8
22PC-604.7-606.3-SC	1/4/05	44.6	0.946	113.23	107.06	240.32	2.562	2	39	9.9	5.00	34.00	19.0	1.02	0.01425	0.0317	14.4
								5	35	10.6		30.00				0.0207	12.7
								15	31	11.2		26.00				0.0123	11.0
								45	28	11.7		23.00				0.0073	9.8
								120	25	12.2		20.00				0.0045	8.5
22PC-606.6-609.3-SC	1/4/05	50.4	0.923	116.14	107.18	212.60	2.539	2	29	11.5	5.00	24.00	19.0	1.02	0.01425	0.0342	11.5
								5	26	12.0		21.00				0.0221	10.1
								15	23	12.5		18.00				0.0130	8.6
								45	20	13.0		15.00				0.0077	7.2
								120	17	13.5		12.00				0.0048	5.8
22PC-609.3-610.1-SC	1/4/05	33.2	0.927	116.91	108.43	326.43	2.492	2	32	11.1	5.00	27.00	19.0	1.03	0.01449	0.0341	8.5
								5	29	11.5		24.00				0.0220	7.6
								15	26	12.0		21.00				0.0130	6.6
								45	23	12.5		18.00				0.0076	5.7
								120	20	13.0		15.00				0.0048	4.7

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-610.1-611.8-SC	1/5/05	35.2	0.940	116.41	109.43	310.45	2.566	2	36	10.4	4.80	31.20	20.0	1.02	0.01408	0.0321	10.3
								5	32	11.1		27.20				0.0210	8.9
								15	29	11.5		24.20				0.0123	8.0
								45	25	12.2		20.20				0.0073	6.6
								120	22	12.7		17.20				0.0046	5.7
22PC-611.8-613.6-SC	1/5/05	42.9	0.918	117.01	107.42	250.48	2.556	2	38	10.1	4.80	33.20	20.0	1.02	0.01408	0.0316	13.5
								5	34	10.7		29.20				0.0206	11.9
								15	30	11.4		25.20				0.0123	10.3
								45	25	12.2		20.20				0.0073	8.2
								120	22	12.7		17.20				0.0046	7.0
22PC-613.6-615.4-SC	1/5/05	42.8	0.936	115.56	108.19	252.91	2.547	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	9.8
								5	25	12.2		20.20				0.0220	8.1
								15	22	12.7		17.20				0.0130	6.9
								45	19	13.2		14.20				0.0076	5.7
								120	17	13.5		12.20				0.0047	4.9
22PC-615.5-618.5-SC	1/5/05	47.5	0.939	118.35	111.14	233.99	2.551	2	27	11.9	4.80	22.20	20.0	1.02	0.01408	0.0343	9.7
								5	23	12.5		18.20				0.0223	7.9
								15	20	13.0		15.20				0.0131	6.6
								45	18	13.3		13.20				0.0077	5.8
								120	16	13.7		11.20				0.0048	4.9
22PC-618.5-620.0-SC	1/5/05	39.8	0.952	114.95	109.45	274.86	2.565	2	26	12.0	4.80	21.20	20.0	1.02	0.01408	0.0345	7.9
								5	23	12.5		18.20				0.0223	6.8
								15	20	13.0		15.20				0.0131	5.6
								45	18	13.3		13.20				0.0077	4.9
								120	16	13.7		11.20				0.0048	4.2
22PC-620.0-621.1-SC	1/5/05	50.4	0.951	118.21	112.45	223.15	2.530	2	21	12.9	4.80	16.20	20.0	1.02	0.01408	0.0358	7.4
								5	19	13.2		14.20				0.0229	6.5
								15	16	13.7		11.20				0.0135	5.1
								45	14	14.0		9.20				0.0079	4.2
								120	13	14.2		8.20				0.0048	3.7
22PC-621.1-623.0-SC	1/6/05	29.6	0.936	115.95	108.58	366.85	2.559	2	27	11.9	5.00	22.00	19.0	1.02	0.01425	0.0348	6.1
								5	24	12.4		19.00				0.0224	5.3
								15	22	12.7		17.00				0.0131	4.7
								45	19	13.2		14.00				0.0077	3.9
								120	17	13.5		12.00				0.0048	3.3
22PC-623.0-623.7-SC	1/6/05	35.0	0.923	117.63	108.58	310.55	2.550	2	44	9.1	5.00	39.00	19.0	1.02	0.01425	0.0304	12.8
								5	40	9.7		35.00				0.0198	11.5
								15	36	10.4		31.00				0.0119	10.2
								45	31	11.2		26.00				0.0071	8.5
								120	28	11.7		23.00				0.0044	7.6

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-625.2-629.1-SC	1/6/05	44.3	0.959	106.15	101.78	229.63	2.548	2	39	9.9	5.00	34.00	19.0	1.02	0.01425	0.0317	15.1
								5	35	10.6		30.00				0.0207	13.3
								15	31	11.2		26.00				0.0123	11.5
								45	28	11.7		23.00				0.0073	10.2
								120	25	12.2		20.00				0.0045	8.9
22PC-629.1-629.7-SC	1/6/05	49.7	0.942	117.83	111.00	223.12	2.557	2	37	10.2	4.80	32.20	20.0	1.02	0.01408	0.0318	14.7
								5	34	10.7		29.20				0.0206	13.3
								15	30	11.4		25.20				0.0123	11.5
								45	26	12.0		21.20				0.0073	9.7
								120	24	12.4		19.20				0.0045	8.8
22PC-629.7-631.0-SC	1/6/05	57.0	0.954	113.97	108.72	190.74	2.556	2	32	11.1	4.80	27.20	20.0	1.02	0.01408	0.0332	14.5
								5	29	11.5		24.20				0.0214	12.9
								15	26	12.0		21.20				0.0126	11.3
								45	23	12.5		18.20				0.0074	9.7
								120	21	12.9		16.20				0.0046	8.7
22PC-631.0-631.9-SC	1/6/05	47.1	0.933	116.84	108.97	231.24	2.540	2	40	9.7	4.80	35.20	20.0	1.02	0.01408	0.0310	15.5
								5	36	10.4		31.20				0.0203	13.8
								15	32	11.1		27.20				0.0121	12.0
								45	28	11.7		23.20				0.0072	10.2
								120	25	12.2		20.20				0.0045	8.9
22PC-632.1-634.1-SC	1/7/05	48.4	0.962	114.67	110.34	227.82	2.551	2	39	9.9	4.80	34.20	20.0	1.02	0.01408	0.0313	15.3
								5	35	10.6		30.20				0.0205	13.5
								15	32	11.1		27.20				0.0121	12.2
								45	28	11.7		23.20				0.0072	10.4
								120	26	12.0		21.20				0.0045	9.5
22PC-634.1-635.8-SC	1/7/05	50.5	0.955	114.44	109.32	216.38	2.529	2	42	9.4	4.80	37.20	20.0	1.02	0.01408	0.0305	17.5
								5	38	10.1		33.20				0.0200	15.7
								15	34	10.7		29.20				0.0119	13.8
								45	31	11.2		26.20				0.0070	12.4
								120	28	11.7		23.20				0.0044	10.9
22PC-636.1-637.7-SC	1/7/05	44.1	0.947	113.18	107.14	242.72	2.552	2	54	7.4	4.80	49.20	20.0	1.02	0.01408	0.0271	20.7
								5	49	8.3		44.20				0.0181	18.6
								15	44	9.1		39.20				0.0110	16.5
								45	38	10.1		33.20				0.0067	14.0
								120	33	10.9		28.20				0.0042	11.9
22PC-637.7-639.1-SC	1/7/05	56.2	0.948	110.62	104.83	186.47	2.540	2	40	9.7	4.80	35.20	20.0	1.02	0.01408	0.0310	19.3
								5	36	10.4		31.20				0.0203	17.1
								15	32	11.1		27.20				0.0121	14.9
								45	28	11.7		23.20				0.0072	12.7
								120	25	12.2		20.20				0.0045	11.0

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-639.1-641.3-SC	1/7/05	58.0	0.953	116.15	110.64	190.88	2.542	2	44	9.1	4.80	39.20	20.0	1.02	0.01408	0.0300	20.9
								5	40	9.7		35.20				0.0196	18.8
								15	35	10.6		30.20				0.0118	16.1
								45	31	11.2		26.20				0.0070	14.0
								120	28	11.7		23.20				0.0044	12.4
22PC-641.6-642.1-SC	1/7/05	70.8	0.957	112.49	107.61	151.96	2.525	2	48	8.4	4.80	43.20	20.0	1.03	0.01431	0.0293	29.3
								5	43	9.2		38.20				0.0194	25.9
								15	38	10.1		33.20				0.0117	22.5
								45	33	10.9		28.20				0.0070	19.1
								120	30	11.4		25.20				0.0044	17.1
22PC-642.1-645.0-SC	1/10/05	45.9	0.944	114.87	108.44	236.38	2.528	2	34	10.7	4.60	29.40	21.0	1.02	0.01391	0.0322	12.7
								5	30	11.4		25.40				0.0210	11.0
								15	27	11.9		22.40				0.0124	9.7
								45	24	12.2		19.40				0.0072	8.4
								120	21	12.9		16.40				0.0046	7.1
22PC-645.0-646.8-SC	1/10/05	54.0	0.953	112.75	107.48	199.04	2.506	2	45	8.9	4.60	40.40	21.0	1.03	0.01414	0.0298	20.9
								5	41	9.6		36.40				0.0196	18.8
								15	37	10.2		32.40				0.0117	16.8
								45	33	10.9		28.40				0.0070	14.7
								120	29	11.9		24.40				0.0045	12.6
22PC-646.8-648.4-SC	1/10/05	63.9	0.972	119.14	115.85	181.42	2.523	2	38	10.1	4.60	33.40	21.0	1.03	0.01414	0.0318	19.0
								5	34	10.7		29.40				0.0207	16.7
								15	31	11.2		26.40				0.0122	15.0
								45	27	11.9		22.40				0.0073	12.7
								120	23	12.5		18.40				0.0046	10.4
22PC-648.4-651.6-SC	1/10/05	58.9	0.957	117.67	112.59	191.30	2.520	2	30	11.4	4.60	25.40	21.0	1.03	0.01414	0.0338	13.7
								5	28	11.7		23.40				0.0216	12.6
								15	25	12.2		20.40				0.0128	11.0
								45	23	12.5		18.40				0.0075	9.9
								120	21	12.9		16.40				0.0046	8.8
22PC-651.6-652.8-SC	1/10/05	48.8	0.958	116.10	111.20	228.00	2.501	2	37	10.2	4.60	32.40	21.0	1.03	0.01414	0.0319	14.6
								5	33	10.9		28.40				0.0209	12.8
								15	30	11.4		25.40				0.0123	11.5
								45	27	11.9		22.40				0.0073	10.1
								120	24	12.4		19.40				0.0045	8.8
22PC-652.8-655.6-SC	1/10/05	54.7	0.959	117.92	113.13	206.96	2.520	2	46	8.8	4.60	41.40	21.0	1.03	0.01414	0.0297	20.6
								5	42	9.4		37.40				0.0194	18.6
								15	38	10.1		33.40				0.0116	16.6
								45	34	10.7		29.40				0.0069	14.6
								120	31	11.2		26.40				0.0043	13.1

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-655.6-656.8-SC	1/11/05	60.6	0.964	114.54	110.42	182.29	2.541	2	49	8.3	5.00	44.00	19.0	1.02	0.01945	0.0396	24.6
								5	44	9.1		39.00				0.0262	21.8
								15	40	9.7		35.00				0.0156	19.6
								45	35	10.6		30.00				0.0094	16.8
								120	31	11.2		26.00				0.0059	14.5
22PC-656.8-658.3-SC	1/11/05	43.2	0.940	114.23	107.41	248.80	2.528	2	39	9.9	5.00	34.00	19.0	1.02	0.01945	0.0433	13.9
								5	35	10.6		30.00				0.0283	12.3
								15	31	11.2		26.00				0.0168	10.7
								45	29	11.5		24.00				0.0098	9.8
								120	25	12.2		20.00				0.0062	8.2
22PC-658.3-659.5-SC	1/11/05	59.0	0.965	115.18	111.15	188.35	2.554	2	32	11.1	5.00	27.00	19.0	1.02	0.01945	0.0458	14.6
								5	29	11.5		24.00				0.0295	13.0
								15	26	12.0		21.00				0.0174	11.4
								45	23	12.5		18.00				0.0103	9.7
								120	20	13.0		15.00				0.0064	8.1
22PC-659.5-661.2-SC	1/11/05	41.1	0.949	118.42	112.34	273.41	2.539	2	38	10.1	5.00	33.00	19.0	1.02	0.01945	0.0437	12.3
								5	34	10.7		29.00				0.0285	10.8
								15	31	11.2		26.00				0.0168	9.7
								45	27	11.9		22.00				0.0100	8.2
								120	24	12.4		19.00				0.0063	7.1
22PC-661.2-663.3-SC	1/11/05	44.7	0.927	116.29	107.79	240.93	2.533	2	30	11.4	5.00	25.00	19.0	1.02	0.01945	0.0464	10.6
								5	26	12.0		21.00				0.0301	8.9
								15	23	12.5		18.00				0.0178	7.6
								45	20	13.0		15.00				0.0105	6.4
								120	18	13.3		13.00				0.0065	5.5
22PC-663.3-666.2-SC	1/11/05	50.5	0.921	115.23	106.10	210.27	2.536	2	36	10.4	5.00	31.00	19.0	1.02	0.01945	0.0444	15.0
								5	33	10.9		28.00				0.0287	13.6
								15	29	11.5		24.00				0.0170	11.6
								45	25	12.2		20.00				0.0101	9.7
								120	23	12.5		18.00				0.0063	8.7
22PC-666.2-668.0-SC	1/12/05	45.3	0.948	116.66	110.55	243.96	2.511	2	50	8.1	5.00	45.00	19.0	1.03	0.01449	0.0292	19.0
								5	45	8.9		40.00				0.0193	16.9
								15	41	9.6		36.00				0.0116	15.2
								45	36	10.4		31.00				0.0070	13.1
								120	31	11.2		26.00				0.0044	11.0
22PC-668.0-670.7-SC	1/12/05	54.8	0.933	111.95	104.40	190.58	2.478	2	45	8.9	5.00	40.00	19.0	1.03	0.01449	0.0306	21.6
								5	41	9.6		36.00				0.0201	19.5
								15	36	10.4		31.00				0.0121	16.8
								45	32	11.1		27.00				0.0072	14.6
								120	28	11.7		23.00				0.0045	12.4

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-670.7-673.2-SC	1/12/05	52.0	0.945	118.57	112.02	215.58	2.487	2	52	7.8	5.00	47.00	19.0	1.03	0.01449	0.0286	22.5
								5	47	8.6		42.00				0.0190	20.1
								15	42	9.4		37.00				0.0115	17.7
								45	37	10.2		32.00				0.0069	15.3
								120	32	11.1		27.00				0.0044	12.9
22PC-673.9-675.3-SC	1/12/05	47.5	0.952	117.52	111.91	235.65	2.481	2	29	11.5	4.80	24.20	20.0	1.03	0.01431	0.0343	10.6
								5	26	12.0		21.20				0.0222	9.3
								15	23	12.5		18.20				0.0131	8.0
								45	20	13.0		15.20				0.0077	6.6
								120	18	13.3		13.20				0.0048	5.8
22PC-675.3-677.3-SC	1/12/05	48.8	0.959	118.65	113.76	233.27	2.491	2	46	8.8	4.80	41.20	20.0	1.03	0.01431	0.0300	18.2
								5	42	9.4		37.20				0.0196	16.4
								15	37	10.2		32.20				0.0118	14.2
								45	33	10.9		28.20				0.0070	12.5
								120	30	11.4		25.20				0.0044	11.1
22PC-678.1-679.4-SC	1/12/05	53.7	0.948	117.38	111.32	207.21	2.488	2	30	11.4	4.80	25.20	20.0	1.03	0.01431	0.0342	12.5
								5	26	12.0		21.20				0.0222	10.5
								15	23	12.5		18.20				0.0131	9.0
								45	19	13.2		14.20				0.0078	7.1
								120	17	13.5		12.20				0.0048	6.1
22PC-679.4-684.2-SC	1/17/05	27.4	0.939	113.19	106.33	387.54	2.543	2	33	10.9	4.80	28.20	20.0	1.02	0.01408	0.0329	7.4
								5	30	11.4		25.20				0.0213	6.6
								15	26	12.0		21.20				0.0126	5.6
								45	22	12.7		17.20				0.0075	4.5
								120	20	13.0		15.20				0.0046	4.0
22PC-684.2-686.9-SC	1/17/05	51.2	0.954	117.56	112.14	219.08	2.538	2	34	10.7	4.80	29.20	20.0	1.02	0.01408	0.0326	13.6
								5	30	11.4		25.20				0.0213	11.7
								15	26	12.0		21.20				0.0126	9.9
								45	23	12.5		18.20				0.0074	8.5
								120	20	13.0		15.20				0.0046	7.1
22PC-686.9-687.4-SC	1/17/05	41.6	0.953	111.83	106.55	255.86	2.536	2	38	10.1	4.80	33.20	20.0	1.02	0.01408	0.0316	13.2
								5	34	10.7		29.20				0.0206	11.6
								15	31	11.2		26.20				0.0122	10.4
								45	27	11.9		22.20				0.0072	8.9
								120	24	12.4		19.20				0.0045	7.7
22PC-688.1-689.3-SC	1/17/05	51.7	0.932	115.53	107.66	208.41	2.552	2	32	11.1	4.60	27.40	21.0	1.02	0.01391	0.0328	13.4
								5	29	11.5		24.40				0.0211	11.9
								15	25	12.2		20.40				0.0125	10.0
								45	22	12.7		17.40				0.0074	8.5
								120	20	13.0		15.40				0.0046	7.5

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-689.3-690.1-SC	1/17/05	57.1	0.945	116.92	110.53	193.55	2.548	2	39	9.9	4.60	34.40	21.0	1.02	0.01391	0.0309	18.1
								5	35	10.6		30.40				0.0203	16.0
								15	31	11.2		26.40				0.0120	13.9
								45	28	11.7		23.40				0.0071	12.3
								120	25	12.2		20.40				0.0044	10.8
22PC-690.3-691.9-SC	1/17/05	48.4	0.925	112.19	103.80	214.34	2.523	2	30	11.4	4.60	25.40	21.0	1.03	0.01414	0.0338	12.2
								5	27	11.9		22.40				0.0218	10.8
								15	24	12.4		19.40				0.0129	9.3
								45	20	13.0		15.40				0.0076	7.4
								120	18	13.3		13.40				0.0047	6.4
22PC-691.9-692.7-SC	1/18/05	45.0	0.933	112.35	104.78	233.02	2.456	2	31	11.2	4.80	26.20	20.0	1.05	0.01456	0.0345	11.8
								5	27	11.9		22.20				0.0225	10.0
								15	24	12.4		19.20				0.0132	8.7
								45	21	12.9		16.20				0.0078	7.3
								120	19	13.2		14.20				0.0048	6.4
22PC-692.7-696.1-SC	1/18/05	36.8	0.935	111.55	104.33	283.66	2.444	2	36	10.4	4.80	31.20	20.0	1.05	0.01456	0.0332	11.5
								5	33	10.9		28.20				0.0215	10.4
								15	29	11.5		24.20				0.0127	9.0
								45	25	12.2		20.20				0.0076	7.5
								120	23	12.5		18.20				0.0047	6.7
22PC-696.1-699.2-SC	1/18/05	41.5	0.937	116.63	109.27	263.03	2.455	2	42	9.4	4.80	37.20	20.0	1.05	0.01456	0.0316	14.9
								5	38	10.1		33.20				0.0207	13.3
								15	34	10.7		29.20				0.0123	11.7
								45	30	11.4		25.20				0.0073	10.1
								120	27	11.9		22.20				0.0046	8.9
22PC-699.2-699.8-SC	1/18/05	53.6	0.915	114.55	104.77	195.62	2.451	2	37	10.2	4.80	32.20	20.0	1.05	0.01456	0.0329	17.3
								5	33	10.9		28.20				0.0215	15.1
								15	29	11.5		24.20				0.0127	13.0
								45	26	12.0		21.20				0.0075	11.4
								120	23	12.5		18.20				0.0047	9.8
22PC-699.8-701.0-SC	1/18/05	45.2	0.916	113.93	104.34	230.99	2.445	2	34	10.7	4.80	29.20	20.0	1.05	0.01456	0.0337	13.3
								5	30	11.4		25.20				0.0220	11.5
								15	27	11.9		22.20				0.0130	10.1
								45	24	12.4		19.20				0.0076	8.7
								120	21	12.9		16.20				0.0048	7.4
22PC-701.0-703.4-SC	1/18/05	52.0	0.898	117.16	105.23	202.30	2.452	2	43	9.2	4.80	38.20	20.0	1.05	0.01456	0.0312	19.8
								5	39	9.9		34.20				0.0205	17.8
								15	36	10.4		31.20				0.0121	16.2
								45	31	11.2		26.20				0.0073	13.6
								120	27	11.9		22.20				0.0046	11.5

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-703.4-704.9-SC	1/24/05	60.0	0.940	116.16	109.17	182.01	2.472	2	41	9.6	5.00	36.00	19.0	1.05	0.01474	0.0323	20.8
								5	37	10.2		32.00				0.0211	18.5
								15	32	11.1		27.00				0.0127	15.6
								45	29	11.5		24.00				0.0075	13.8
								120	26	12.0		21.00				0.0047	12.1
22PC-706.1-707.0-SC	1/24/05	62.2	0.916	118.56	108.57	174.46	2.462	2	34	10.7	5.00	29.00	19.0	1.05	0.01474	0.0341	17.5
								5	30	11.4		25.00				0.0223	15.0
								15	27	11.9		22.00				0.0131	13.2
								45	24	12.4		19.00				0.0077	11.4
								120	21	12.9		16.00				0.0048	9.6
22PC-707.0-709.0-SC	1/24/05	48.7	0.927	113.63	105.36	216.19	2.459	2	42	9.4	5.00	37.38	19.0	1.05	0.01474	0.0320	18.2
								5	38	10.1		33.00				0.0209	16.0
								15	33	10.9		28.00				0.0126	13.6
								45	29	11.5		24.00				0.0075	11.7
								120	26	12.0		21.00				0.0047	10.2
22PC-709.0-712.1-SC	1/24/05	38.6	0.925	116.05	107.37	277.97	2.503	2	45	8.9	5.00	40.00	19.0	1.03	0.01449	0.0306	14.8
								5	41	9.6		36.00				0.0201	13.3
								15	36	10.4		31.00				0.0121	11.5
								45	31	11.2		26.00				0.0072	9.6
								120	27	11.9		22.00				0.0046	8.2
22PC-712.1-714.0-SC	1/24/05	60.9	0.914	114.87	105.04	172.52	2.442	2	38	10.1	5.00	33.00	19.0	1.05	0.01474	0.0331	20.1
								5	34	10.7		29.00				0.0216	17.6
								15	30	11.4		25.00				0.0129	15.2
								45	25	12.2		20.00				0.0077	12.2
								120	21	12.9		16.00				0.0048	9.7
22PC-714.0-715.6-SC	1/24/05	49.7	0.939	119.05	111.74	224.98	2.473	2	36	10.4	5.00	31.00	19.0	1.05	0.01474	0.0336	14.5
								5	32	11.1		27.00				0.0220	12.6
								15	28	11.7		23.00				0.0130	10.7
								45	23	12.5		18.00				0.0078	8.4
								120	20	13.0		15.00				0.0049	7.0
22PC-715.6-718.7-SC	1/31/05	53.4	0.935	114.84	107.32	201.05	2.544	2	42	9.4	4.80	37.20	20.0	1.02	0.01408	0.0305	18.9
								5	38	10.1		33.20				0.0200	16.8
								15	34	10.7		29.20				0.0119	14.8
								45	29	11.5		24.20				0.0071	12.3
								120	26	12.0		21.20				0.0045	10.8
22PC-719.0-719.5-SC	1/31/05	59.8	0.931	116.82	108.79	181.90	2.538	2	37	10.2	4.80	32.20	20.0	1.02	0.01408	0.0318	18.1
								5	34	10.7		29.20				0.0206	16.4
								15	31	11.2		26.20				0.0122	14.7
								45	27	11.9		22.20				0.0072	12.4
								120	23	12.5		18.20				0.0045	10.2

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-719.5-720.4-SC	1/31/05	45.2	0.920	112.73	103.73	229.72	2.537	2	40	9.7	4.80	35.20	20.0	1.02	0.01408	0.0310	15.6
								5	36	10.4		31.20				0.0203	13.9
								15	32	11.1		27.20				0.0121	12.1
								45	28	11.7		23.20				0.0072	10.3
								120	25	12.2		20.20				0.0045	9.0
22PC-720.4-720.9-SC	1/31/05	58.8	1.008	113.20	114.15	194.08	2.553	2	45	8.9	4.80	40.20	20.0	1.02	0.01408	0.0297	21.1
								5	41	9.6		36.20				0.0195	19.0
								15	37	10.2		32.20				0.0116	16.9
								45	33	10.9		28.20				0.0069	14.8
								120	29	11.5		24.20				0.0044	12.7
22PC-721.5-725.5-SC	1/31/05	39.8	0.948	116.96	110.92	278.42	2.543	2	43	9.2	4.80	38.20	20.0	1.02	0.01408	0.0302	14.0
								5	39	9.9		34.20				0.0198	12.5
								15	35	10.6		30.20				0.0118	11.1
								45	31	11.2		26.20				0.0070	9.6
								120	27	11.9		22.20				0.0044	8.1
22PC-725.5-726.0-SC	1/31/05	57.1	0.959	119.79	114.91	201.13	2.550	2	41	9.6	4.80	36.20	20.0	1.02	0.01408	0.0308	18.4
								5	37	10.2		32.20				0.0201	16.3
								15	33	10.9		28.20				0.0120	14.3
								45	30	11.4		25.20				0.0071	12.8
								120	26	12.0		21.20				0.0045	10.8
22PC-726.0-728.8-SC	2/1/05	55.9	0.960	117.49	112.83	201.83	2.541	2	47	8.6	4.80	42.20	20.0	1.02	0.01408	0.0292	21.3
								5	43	9.2		38.20				0.0191	19.3
								15	39	9.9		34.20				0.0114	17.3
								45	34	10.7		29.20				0.0069	14.8
								120	31	11.2		26.20				0.0043	13.2
22PC-729.9-731.5-SC	2/1/05	54.1	0.953	118.91	113.27	209.31	2.524	2	45	8.9	4.80	40.20	20.0	1.03	0.01431	0.0302	19.8
								5	41	9.6		36.20				0.0198	17.8
								15	37	10.2		32.20				0.0118	15.8
								45	32	11.1		27.20				0.0071	13.4
								120	28	11.7		23.20				0.0045	11.4
22PC-731.5-733.2-SC	2/1/05	59.2	0.947	119.71	113.38	191.51	2.543	2	41	9.6	4.80	36.20	20.0	1.02	0.01408	0.0308	19.3
								5	38	10.1		33.20				0.0200	17.7
								15	34	10.7		29.20				0.0119	15.6
								45	29	11.5		24.20				0.0071	12.9
								120	25	12.2		20.20				0.0045	10.8
22PC-734.8-736.4-SC	2/1/05	56.3	0.919	116.47	107.05	190.27	2.548	2	47	8.6	4.80	42.20	20.0	1.02	0.01408	0.0292	22.6
								5	43	9.2		38.20				0.0191	20.5
								15	38	10.1		33.20				0.0116	17.8
								45	34	10.7		29.20				0.0069	15.7
								120	30	11.4		25.20				0.0043	13.5

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-736.4-737.1-SC	2/1/05	52.3	0.924	117.43	108.49	207.48	2.543	2	39	9.9	4.80	34.20	20.0	1.02	0.01408	0.0313	16.8
								5	35	10.6		30.20				0.0205	14.8
								15	31	11.2		26.20				0.0122	12.9
								45	27	11.9		22.20				0.0072	10.9
								120	24	12.4		19.20				0.0045	9.4
22PC-737.1-739.6-SC	2/1/05	59.8	0.930	118.48	110.18	184.23	2.540	2	45	8.9	4.80	40.20	20.0	1.02	0.01408	0.0297	22.3
								5	41	9.6		36.20				0.0195	20.0
								15	37	10.2		32.20				0.0116	17.8
								45	33	10.9		28.20				0.0069	15.6
								120	29	11.5		24.20				0.0044	13.4
22PC-739.9-741.8-SC	2/4/05	58.0	0.930	115.83	107.76	185.74	2.524	2	38	10.1	4.80	33.20	20.0	1.03	0.01431	0.0322	18.4
								5	35	10.6		30.20				0.0208	16.7
								15	30	11.4		25.20				0.0125	14.0
								45	27	11.9		22.20				0.0074	12.3
								120	24	12.4		19.20				0.0046	10.6
22PC-741.8-743.1-SC	2/4/05	49.5	0.944	117.04	110.46	222.95	2.506	2	33	10.9	4.80	28.20	20.0	1.03	0.01431	0.0334	13.0
								5	30	11.4		25.20				0.0216	11.6
								15	27	11.9		22.20				0.0127	10.3
								45	23	12.5		18.20				0.0075	8.4
								120	21	12.9		16.20				0.0047	7.5
22PC-743.1-745.9-SC	2/4/05	53.5	0.947	118.38	112.11	209.61	2.505	2	47	8.6	4.80	42.20	20.0	1.03	0.01431	0.0297	20.7
								5	43	9.2		38.20				0.0194	18.8
								15	38	10.1		33.20				0.0117	16.3
								45	34	10.7		29.20				0.0070	14.3
								120	31	11.2		26.20				0.0044	12.9
22PC-747.0-747.4-SC	2/4/05	59.2	0.944	115.09	108.61	183.39	2.500	2	38	10.1	4.80	33.20	20.0	1.03	0.01431	0.0322	18.6
								5	34	10.7		29.20				0.0209	16.4
								15	30	11.4		25.20				0.0125	14.2
								45	26	12.0		21.20				0.0074	11.9
								120	22	12.7		17.20				0.0047	9.7
22PC-747.4-749.1-SC	2/4/05	57.2	0.957	117.95	112.86	197.43	2.502	2	29	11.5	4.80	24.20	20.0	1.03	0.01431	0.0343	12.6
								5	26	12.0		21.20				0.0222	11.1
								15	23	12.5		18.20				0.0131	9.5
								45	20	13.0		15.20				0.0077	7.9
								120	17	13.5		12.20				0.0048	6.4
22PC-749.1-752.9-SC	2/4/05	46.9	0.948	114.42	108.52	231.34	2.506	2	40	9.7	4.80	35.20	20.0	1.03	0.01431	0.0315	15.7
								5	36	10.4		31.20				0.0206	13.9
								15	32	11.1		27.20				0.0123	12.1
								45	28	11.7		23.20				0.0073	10.3
								120	25	12.2		20.20				0.0046	9.0

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Hydrometer Particle Size Analysis

Core grab samples from NC-EWDP-22PC with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
22PC-752.9-754.9-SC	2/8/05	52.1	0.939	118.96	111.66	214.43	2.539	2	41	9.6	5.00	36.00	19.0	1.02	0.01425	0.0312	17.1
								5	37	10.2		32.00				0.0204	15.2
								15	33	10.9		28.00				0.0121	13.3
								45	29	11.5		24.00				0.0072	11.4
								120	26	12.0		21.00				0.0045	10.0
22PC-754.9-755.5-SC	2/8/05	47.4	0.957	116.74	111.66	235.78	2.537	2	40	9.7	5.00	35.00	19.0	1.02	0.01425	0.0314	15.1
								5	37	10.2		32.00				0.0204	13.8
								15	33	10.9		28.00				0.0121	12.1
								45	29	11.5		24.00				0.0072	10.4
								120	26	12.0		21.00				0.0045	9.1
22PC-755.5-759.2-SC	2/8/05	44.8	0.944	117.79	111.19	248.21	2.509	2	45	8.9	5.00	40.00	19.0	1.03	0.01449	0.0306	16.6
								5	40	9.7		35.00				0.0202	14.5
								15	36	10.4		31.00				0.0121	12.9
								45	32	11.1		27.00				0.0072	11.2
								120	28	11.7		23.00				0.0045	9.5
22PC-759.2-759.5-SC	2/8/05	50.6	0.968	118.96	115.18	227.51	2.543	2	31	11.2	5.00	26.00	19.0	1.02	0.01425	0.0337	11.7
								5	29	11.5		24.00				0.0216	10.8
								15	25	12.2		20.00				0.0129	9.0
								45	22	12.7		17.00				0.0076	7.6
								120	18	13.3		13.00				0.0047	5.8
22PC-759.5-761.3-SC	2/8/05	65.3	0.978	115.34	112.83	172.81	2.528	2	28	11.7	5.00	23.00	19.0	1.02	0.01425	0.0345	13.6
								5	26	12.0		21.00				0.0221	12.4
								15	23	12.5		18.00				0.0130	10.6
								45	20	13.0		15.00				0.0077	8.9
								120	17	13.5		12.00				0.0048	7.1
22PC-761.3-762.4-SC	2/8/05	37.2	0.971	116.86	113.52	304.77	2.513	2	38	10.1	5.00	33.00	19.0	1.03	0.01449	0.0326	11.2
								5	34	10.7		29.00				0.0212	9.8
								15	30	11.4		25.00				0.0126	8.4
								45	26	12.0		21.00				0.0075	7.1
								120	22	12.7		17.00				0.0047	5.7
22PC-762.4-762.8-SC	2/8/05	60.8	0.966	117.76	113.81	187.10	2.487	2	49	8.3	4.80	44.20	20.0	1.03	0.01431	0.0292	24.3
								5	45	8.9		40.20				0.0191	22.1
								15	41	9.6		36.20				0.0114	19.9
								45	36	10.4		31.20				0.0069	17.2
								120	32	11.1		27.20				0.0044	15.0

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PA with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PA-2.50-5.00-D	8/3/06	85.3	0.989	116.39	115.14	134.99	2.602	2	15	13.8	4.20	10.80	23.0	1.01	0.01337	0.0351	8.1
								5	13	14.2		8.80				0.0225	6.6
								15	12	14.3		7.80				0.0131	5.8
								45	11	14.5		6.80				0.0076	5.1
								120	9	14.8		4.80				0.0047	3.6
24PA-7.50-10.00-D	8/3/06	64.4	0.985	115.93	114.23	177.48	2.560	2	15	13.8	4.20	10.80	23.0	1.02	0.01358	0.0357	6.2
								5	13	14.2		8.80				0.0229	5.1
								15	12	14.3		7.80				0.0133	4.5
								45	11	14.5		6.80				0.0077	3.9
								120	9	14.8		4.80				0.0048	2.8
24PA-12.50-15.00-D	8/3/06	50.3	0.986	113.59	112.03	222.75	2.559	2	14	14.0	4.20	9.80	23.0	1.02	0.01358	0.0359	4.5
								5	12	14.3		7.80				0.0230	3.6
								15	11	14.5		6.80				0.0134	3.1
								45	10	14.7		5.80				0.0078	2.7
								120	9	14.8		4.80				0.0048	2.2
24PA-17.50-20.00-D	8/3/06	54.3	0.989	117.33	115.98	213.44	2.526	2	13	14.2	4.20	8.80	23.0	1.02	0.01358	0.0362	4.2
								5	12	14.3		7.80				0.0230	3.7
								15	10	14.7		5.80				0.0134	2.8
								45	9	14.8		4.80				0.0078	2.3
								120	8	15.0		3.80				0.0048	1.8
24PA-22.50-25.00-D	8/3/06	82.7	0.990	116.47	115.27	139.45	2.552	2	13	14.2	4.20	8.80	23.0	1.02	0.01358	0.0362	6.4
								5	12	14.3		7.80				0.0230	5.7
								15	11	14.5		6.80				0.0134	5.0
								45	10	14.7		5.80				0.0078	4.2
								120	9	14.8		4.80				0.0048	3.5
24PA-27.50-30.00-D	8/3/06	58.6	0.989	114.75	113.48	193.77	2.570	2	19	13.2	4.20	14.80	23.0	1.02	0.01358	0.0349	7.8
								5	16	13.7		11.80				0.0225	6.2
								15	14	14.0		9.80				0.0131	5.2
								45	12	14.3		7.80				0.0077	4.1
								120	10	14.7		5.80				0.0048	3.1
24PA-32.50-35.00-D	8/4/06	52.4	0.988	115.51	114.11	217.60	2.583	2	17	13.5	4.60	12.40	21.0	1.01	0.01369	0.0356	5.8
								5	15	13.8		10.40				0.0227	4.8
								15	13	14.2		8.40				0.0133	3.9
								45	12	14.3		7.40				0.0077	3.4
								120	10	14.7		5.40				0.0048	2.5
24PA-37.50-40.00-D	8/4/06	80.0	0.989	112.76	111.48	139.40	2.562	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	6.9
								5	13	14.2		8.40				0.0234	6.1
								15	11	14.5		6.40				0.0137	4.7
								45	10	14.7		5.40				0.0080	4.0
								120	9	14.8		4.40				0.0049	3.2

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PA with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PA-42.50-45.00-D	8/4/06	59.4	0.992	116.25	115.37	194.08	2.554	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	4.9
								5	12	14.3		7.40				0.0235	3.9
								15	11	14.5		6.40				0.0137	3.4
								45	10	14.7		5.40				0.0080	2.8
								120	9	14.8		4.40				0.0049	2.3
24PA-47.50-50.00-D	8/4/06	85.5	0.992	115.64	114.68	134.12	2.558	2	12	14.3	4.60	7.40	21.0	1.02	0.01391	0.0372	5.6
								5	11	14.5		6.40				0.0237	4.9
								15	10	14.7		5.40				0.0138	4.1
								45	9	14.8		4.40				0.0080	3.3
								120	8	15.0		3.40				0.0049	2.6
24PA-52.50-55.00-D	8/4/06	65.1	0.990	114.91	113.78	174.68	2.566	2	13	14.2	4.60	8.40	21.0	1.02	0.01391	0.0371	4.9
								5	11	14.5		6.40				0.0237	3.7
								15	10	14.7		5.40				0.0138	3.2
								45	8	15.0		3.40				0.0080	2.0
								120	7	15.2		2.40				0.0050	1.4
24PA-57.50-60.00-D	8/4/06	20.7	0.988	115.25	113.82	551.11	2.575	2	15	13.8	4.60	10.40	21.0	1.01	0.01369	0.0360	1.9
								5	13	14.2		8.40				0.0231	1.5
								15	12	14.3		7.40				0.0134	1.4
								45	11	14.5		6.40				0.0078	1.2
								120	10	14.7		5.40				0.0048	1.0
24PA-62.50-65.00-D	8/7/06	50.0	0.985	116.56	114.82	229.67	2.569	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	5.4
								5	15	13.8		10.20				0.0234	4.5
								15	13	14.2		8.20				0.0137	3.6
								45	11	14.5		6.20				0.0080	2.8
								120	10	14.7		5.20				0.0049	2.3
24PA-67.50-70.00-D	8/7/06	27.5	0.986	115.41	113.80	413.12	2.585	2	18	13.3	4.80	13.20	20.0	1.01	0.01386	0.0357	3.2
								5	16	13.7		11.20				0.0229	2.7
								15	14	14.0		9.20				0.0134	2.2
								45	12	14.3		7.20				0.0078	1.8
								120	10	14.7		5.20				0.0049	1.3
24PA-72.50-75.00-D	8/7/06	29.8	0.992	113.61	112.68	378.02	2.556	2	12	14.3	4.80	7.20	20.0	1.02	0.01408	0.0376	1.9
								5	11	14.5		6.20				0.0240	1.7
								15	10	14.7		5.20				0.0139	1.4
								45	9	14.8		4.20				0.0081	1.1
								120	8	15.0		3.20				0.0050	0.9
24PA-77.50-80.00-D	8/7/06	47.9	0.986	115.82	114.24	238.37	2.554	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	5.2
								5	14	14.0		9.20				0.0236	3.9
								15	12	14.3		7.20				0.0137	3.1
								45	11	14.5		6.20				0.0080	2.7
								120	10	14.7		5.20				0.0049	2.2

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PA with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PA-82.50-85.00-D	8/7/06	21.1	0.986	116.55	114.92	543.72	2.547	2	14	14.0	4.80	9.20	20.0	1.02	0.01408	0.0373	1.7
								5	13	14.2		8.20				0.0237	1.5
								15	12	14.3		7.20				0.0137	1.4
								45	10	14.7		5.20				0.0080	1.0
								120	9	14.8		4.20				0.0049	0.8
24PA-87.50-90.00-D	8/7/06	41.2	0.983	115.38	113.40	274.93	2.550	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	4.5
								5	15	13.8		10.20				0.0234	3.8
								15	13	14.2		8.20				0.0137	3.0
								45	10	14.7		5.20				0.0080	1.9
								120	9	14.8		4.20				0.0049	1.6
24PA-92.50-95.00-D	8/8/06	36.8	0.988	114.51	113.10	307.53	2.554	2	15	13.8	4.80	10.20	20.0	1.02	0.01408	0.0370	3.4
								5	13	14.2		8.20				0.0237	2.7
								15	11	14.5		6.20				0.0138	2.1
								45	9	14.8		4.20				0.0081	1.4
								120	9	14.8		4.20				0.0049	1.4
24PA-97.50-100.00-D	8/8/06	40.9	0.987	115.36	113.84	278.45	2.546	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	4.1
								5	14	14.0		9.20				0.0236	3.4
								15	12	14.3		7.20				0.0137	2.6
								45	10	14.7		5.20				0.0080	1.9
								120	9	14.8		4.20				0.0049	1.5
24PA-102.50-105.00-D	8/8/06	39.5	0.991	117.11	116.10	294.20	2.569	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	4.2
								5	14	14.0		9.20				0.0236	3.2
								15	11	14.5		6.20				0.0138	2.1
								45	10	14.7		5.20				0.0080	1.8
								120	9	14.8		4.20				0.0049	1.5
24PA-107.50-110.00-D	8/8/06	47.1	0.981	116.91	114.74	243.66	2.568	2	18	13.3	4.80	13.20	20.0	1.02	0.01408	0.0363	5.5
								5	16	13.7		11.20				0.0233	4.7
								15	14	14.0		9.20				0.0136	3.9
								45	13	14.2		8.20				0.0079	3.4
								120	12	14.3		7.20				0.0049	3.0
24PA-112.50-115.00-D	8/8/06	38.5	0.979	114.46	112.09	291.04	2.556	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	3.9
								5	14	14.0		9.20				0.0236	3.2
								15	11	14.5		6.20				0.0138	2.2
								45	10	14.7		5.20				0.0080	1.8
								120	9	14.8		4.20				0.0049	1.5
24PA-117.50-120.00-D	8/8/06	43.5	0.984	116.83	114.94	264.43	2.563	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	4.3
								5	14	14.0		9.20				0.0236	3.5
								15	12	14.3		7.20				0.0137	2.8
								45	11	14.5		6.20				0.0080	2.4
								120	9	14.8		4.20				0.0049	1.6

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PA with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PA-122.50-125.00-D	8/10/06	61.2	0.987	114.76	113.29	185.25	2.569	2	12	14.3	4.80	7.20	20.0	1.02	0.01408	0.0376	4.0
								5	10	14.7		5.20				0.0241	2.9
								15	8	15.0		3.20				0.0141	1.8
								45	7	15.2		2.20				0.0082	1.2
								120	6	15.3		1.20				0.0050	0.7
24PA-127.50-130.00-D	8/10/06	47.8	0.987	115.92	114.44	239.59	2.530	2	11	14.5	4.80	6.20	20.0	1.02	0.01408	0.0379	2.6
								5	10	14.7		5.20				0.0241	2.2
								15	9	14.8		4.20				0.0140	1.8
								45	8	15.0		3.20				0.0081	1.4
								120	7	15.2		2.20				0.0050	0.9
24PA-132.50-135.00-D	8/10/06	49.4	0.987	116.46	114.92	232.70	2.569	2	9	14.8	4.80	4.20	20.0	1.02	0.01408	0.0383	1.8
								5	7	15.2		2.20				0.0245	1.0
								15	6	15.3		1.20				0.0142	0.5
								45	4	15.5		-0.80				0.0083	-0.4
								120	4	15.5		-0.80				0.0051	-0.4
24PA-137.50-140.00-D	8/10/06	33.6	0.989	113.41	112.11	333.35	2.534	2	13	14.2	4.80	8.20	20.0	1.02	0.01408	0.0375	2.5
								5	11	14.5		6.20				0.0240	1.9
								15	10	14.7		5.20				0.0139	1.6
								45	9	14.8		4.20				0.0081	1.3
								120	8	15.0		3.20				0.0050	1.0
24PA-142.50-145.00-D	8/10/06	36.5	0.989	114.64	113.35	310.61	2.509	2	9	14.8	4.80	4.20	20.0	1.03	0.01431	0.0389	1.4
								5	7	15.2		2.20				0.0250	0.7
								15	6	15.8		1.20				0.0147	0.4
								45	5	15.5		0.20				0.0084	0.1
								120	5	15.5		0.20				0.0051	0.1
24PA-147.50-150.00-D	8/10/06	32.5	0.987	115.49	114.03	350.79	2.549	2	17	13.5	4.80	12.20	20.0	1.02	0.01408	0.0366	3.5
								5	14	14.0		9.20				0.0236	2.7
								15	12	14.3		7.20				0.0137	2.1
								45	10	14.7		5.20				0.0080	1.5
								120	9	14.8		4.20				0.0049	1.2

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-2.50-5.00-D	3/22/06	66.9	0.973	112.62	109.56	163.76	2.586	2	11	14.5	4.60	6.40	21.0	1.01	0.01369	0.0369	3.9
								5	10	14.7		5.40				0.0235	3.3
								15	10	14.7		5.40				0.0136	3.3
								45	9	14.8		4.40				0.0079	2.7
								120	8	15.0		3.40				0.0048	2.1
24PB-7.50-10.00-D	3/22/06	63.9	0.978	114.66	112.10	175.33	2.560	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	7.2
								5	15	13.8		10.40				0.0231	6.1
								15	14	14.0		9.40				0.0134	5.5
								45	12	14.3		7.40				0.0078	4.3
								120	11	14.5		6.40				0.0048	3.7
24PB-12.50-15.00-D	3/22/06	59.4	0.981	113.76	111.62	187.85	2.586	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	4.5
								5	12	14.3		7.40				0.0232	4.0
								15	11	14.5		6.40				0.0135	3.4
								45	10	14.7		5.40				0.0078	2.9
								120	9	14.8		4.40				0.0048	2.4
24PB-17.50-20.00-D	3/22/06	51.1	0.982	114.17	112.15	219.42	2.577	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	4.3
								5	12	14.3		7.40				0.0232	3.4
								15	11	14.5		6.40				0.0135	2.9
								45	10	14.7		5.40				0.0078	2.5
								120	9	14.8		4.40				0.0048	2.0
24PB-22.50-25.00-D	3/22/06	66.2	0.962	115.57	111.17	168.03	2.568	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	7.5
								5	16	13.7		11.40				0.0230	6.9
								15	15	13.8		10.40				0.0133	6.3
								45	13	14.2		8.40				0.0078	5.1
								120	12	14.3		7.40				0.0048	4.5
24PB-27.50-30.00-D	3/22/06	58.1	0.983	114.58	112.67	193.88	2.564	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	4.9
								5	13	14.2		8.40				0.0234	4.4
								15	11	14.5		6.40				0.0137	3.4
								45	10	14.7		5.40				0.0080	2.8
								120	9	14.8		4.40				0.0049	2.3
24PB-32.50-35.00-D	3/23/06	59.5	0.980	112.11	109.87	184.54	2.586	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	6.2
								5	15	13.8		10.40				0.0227	5.7
								15	13	14.2		8.40				0.0133	4.6
								45	12	14.3		7.40				0.0077	4.1
								120	10	14.7		5.40				0.0048	3.0
24PB-37.50-40.00-D	3/23/06	62.2	0.989	113.72	112.51	180.90	2.585	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	5.2
								5	12	14.3		7.40				0.0232	4.1
								15	11	14.4		6.40				0.0134	3.6
								45	9	14.8		4.40				0.0079	2.5
								120	8	15.0		3.40				0.0048	1.9

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-42.50-45.00-D	3/23/06	45.9	0.992	114.86	113.91	247.94	2.571	2	15	13.8	4.60	10.40	21.0	1.02	0.01391	0.0365	4.3
								5	13	14.2		8.40				0.0234	3.5
								15	11	14.5		6.40				0.0137	2.6
								45	9	14.8		4.40				0.0080	1.8
								120	8	15.0		3.40				0.0049	1.4
24PB-47.50-50.00-D	3/23/06	65.1	0.984	112.22	110.46	169.72	2.554	2	13	14.2	4.60	8.40	21.0	1.02	0.01391	0.0371	5.0
								5	11	14.5		6.40				0.0237	3.8
								15	10	14.7		5.40				0.0138	3.2
								45	9	14.8		4.40				0.0080	2.6
								120	8	15.0		3.40				0.0049	2.0
24PB-52.50-55.00-D	3/23/06	13.1	0.996	111.55	111.08	849.47	2.547	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	1.1
								5	12	14.3		7.40				0.0235	0.9
								15	10	14.7		5.40				0.0138	0.6
								45	8	15.0		3.40				0.0080	0.4
								120	7	15.2		2.40				0.0050	0.3
24PB-57.50-60.00-D	3/23/06	60.6	0.990	113.51	112.40	185.52	2.595	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	4.6
								5	12	14.3		7.40				0.0232	4.0
								15	10	14.7		5.40				0.0136	2.9
								45	9	14.8		4.40				0.0079	2.4
								120	8	15.0		3.40				0.0048	1.9
24PB-62.50-65.00-D	3/24/06	33.0	0.994	110.32	109.64	332.73	2.579	2	15	13.8	4.80	10.20	20.0	1.01	0.01386	0.0364	3.1
								5	12	14.3		7.20				0.0234	2.2
								15	9	14.8		4.20				0.0138	1.3
								45	8	15.0		3.20				0.0080	1.0
								120	7	15.2		2.20				0.0049	0.7
24PB-67.50-70.00-D	3/24/06	29.2	0.995	113.73	113.13	387.49	2.583	2	16	13.7	4.80	11.20	20.0	1.01	0.01386	0.0363	2.9
								5	13	14.2		8.20				0.0234	2.1
								15	9	14.8		4.20				0.0138	1.1
								45	8	15.0		3.20				0.0080	0.8
								120	7	15.2		2.20				0.0049	0.6
24PB-72.50-75.00-D	3/24/06	34.1	0.992	116.52	115.58	338.51	2.582	2	19	13.2	4.80	14.20	20.0	1.01	0.01386	0.0356	4.2
								5	15	13.8		10.20				0.0230	3.0
								15	12	14.3		7.20				0.0135	2.1
								45	10	14.7		5.20				0.0079	1.6
								120	9	14.8		4.20				0.0049	1.3
24PB-77.50-80.00-D	3/24/06	52.7	0.984	114.25	112.46	213.42	2.561	2	15	13.8	4.80	10.20	20.0	1.02	0.01408	0.0370	4.9
								5	13	14.2		8.20				0.0237	3.9
								15	11	14.5		6.20				0.0138	3.0
								45	10	14.7		5.20				0.0080	2.5
								120	9	14.8		4.20				0.0049	2.0

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm^3)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-82.50-85.00-D	3/24/06	46.3	0.986	112.97	111.41	240.54	2.562	2	14	14.0	4.80	9.20	20.0	1.02	0.01408	0.0373	3.9
								5	12	14.3		7.20				0.0238	3.1
								15	10	14.7		5.20				0.0139	2.2
								45	9	14.8		4.20				0.0081	1.8
								120	8	15.0		3.20				0.0050	1.4
24PB-87.50-90.00-D	3/24/06	28.8	0.990	113.42	112.23	389.23	2.547	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	2.9
								5	14	14.0		9.20				0.0236	2.4
								15	11	14.5		6.20				0.0138	1.6
								45	9	14.8		4.20				0.0081	1.1
								120	8	15.0		3.20				0.0050	0.8
24PB-92.50-95.00-D	3/27/06	34.1	0.990	114.92	113.80	333.82	2.589	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	3.4
								5	13	14.2		8.40				0.0231	2.5
								15	10	14.7		5.40				0.0136	1.6
								45	8	15.0		3.40				0.0079	1.0
								120	7	15.2		2.40				0.0049	0.7
24PB-97.50-100.00-D	3/27/06	40.8	0.993	113.52	112.71	276.15	2.568	2	20	13.0	4.60	15.40	21.0	1.02	0.01391	0.0355	5.7
								5	17	13.5		12.40				0.0229	4.6
								15	13	14.2		8.40				0.0135	3.1
								45	10	14.7		5.40				0.0080	2.0
								120	9	14.8		4.40				0.0049	1.6
24PB-102.50-105.00-D	3/27/06	27.1	0.991	111.21	110.20	407.04	2.609	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	2.8
								5	13	14.2		8.40				0.0231	2.1
								15	10	14.7		5.40				0.0136	1.3
								45	8	15.0		3.40				0.0079	0.8
								120	7	15.2		2.40				0.0049	0.6
24PB-107.50-110.00-D	3/27/06	44.0	0.983	112.82	110.95	251.90	2.606	2	19	13.2	4.60	14.40	21.0	1.01	0.01369	0.0352	5.8
								5	15	13.8		10.40				0.0227	4.2
								15	11	14.5		6.40				0.0135	2.6
								45	9	14.8		4.40				0.0079	1.8
								120	8	15.0		3.40				0.0048	1.4
24PB-112.50-115.00-D	3/27/06	42.7	0.983	115.09	113.10	264.68	2.598	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.1
								5	14	14.0		9.40				0.0229	3.6
								15	11	14.5		6.40				0.0135	2.4
								45	8	15.0		3.40				0.0079	1.3
								120	7	15.2		2.40				0.0049	0.9
24PB-117.50-120.00-D	3/27/06	47.2	0.979	114.15	111.74	236.61	2.581	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.7
								5	15	13.8		10.40				0.0227	4.4
								15	12	14.3		7.40				0.0134	3.2
								45	9	14.8		4.40				0.0079	1.9
								120	8	15.0		3.40				0.0048	1.5

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-122.50-125.00-D	3/28/06	52.1	0.972	112.13	109.04	209.08	2.579	2	19	13.2	4.60	14.40	21.0	1.01	0.01369	0.0352	7.0
								5	16	13.7		11.40				0.0227	5.5
								15	12	14.3		7.40				0.0134	3.6
								45	10	14.7		5.40				0.0078	2.6
								120	9	14.8		4.40				0.0048	2.1
24PB-127.50-130.00-D	3/28/06	36.4	0.979	113.14	110.72	304.43	2.537	2	16	13.7	4.60	11.40	21.0	1.02	0.01391	0.0364	3.8
								5	13	14.2		8.40				0.0234	2.8
								15	10	14.7		5.40				0.0138	1.8
								45	9	14.8		4.40				0.0080	1.5
								120	7	15.2		2.40				0.0050	0.8
24PB-132.50-135.00-D	3/28/06	50.3	0.972	115.53	112.29	223.39	2.564	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	5.7
								5	15	13.8		10.40				0.0231	4.7
								15	12	14.3		7.40				0.0136	3.4
								45	10	14.7		5.40				0.0080	2.5
								120	9	14.8		4.40				0.0049	2.0
24PB-137.50-140.00-D	3/28/06	21.8	0.975	114.73	111.90	514.31	2.582	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	1.6
								5	11	14.5		6.40				0.0233	1.3
								15	9	14.8		4.40				0.0136	0.9
								45	8	15.0		3.40				0.0079	0.7
								120	8	15.0		3.40				0.0048	0.7
24PB-142.50-145.00-D	3/28/06	25.9	0.984	110.28	108.50	418.96	2.573	2	13	14.2	4.60	8.40	21.0	1.02	0.01391	0.0371	2.0
								5	11	14.5		6.40				0.0237	1.6
								15	10	14.7		5.40				0.0138	1.3
								45	9	14.8		4.40				0.0080	1.1
								120	9	14.8		4.40				0.0049	1.1
24PB-147.50-150.00-D	3/28/06	38.3	0.972	108.46	105.46	275.52	2.653	2	17	13.5	4.60	12.40	21.0	1.00	0.01348	0.0350	4.5
								5	15	13.8		10.40				0.0224	3.8
								15	13	14.2		8.40				0.0131	3.0
								45	11	14.5		6.40				0.0077	2.3
								120	10	14.7		5.40				0.0047	2.0
24PB-152.50-155.00-D	3/29/06	37.5	0.974	116.68	113.64	303.18	2.576	2	17	13.5	4.60	12.40	21.0	1.01	0.01369	0.0356	4.1
								5	15	13.8		10.40				0.0227	3.5
								15	13	14.2		8.40				0.0133	2.8
								45	11	14.5		6.40				0.0078	2.1
								120	10	14.7		5.40				0.0048	1.8
24PB-157.50-160.00-D	3/29/06	46.1	0.968	114.74	111.02	240.79	2.565	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	5.3
								5	15	13.8		10.40				0.0231	4.4
								15	12	14.3		7.40				0.0136	3.1
								45	10	14.7		5.40				0.0080	2.3
								120	9	14.8		4.40				0.0049	1.9

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-162.50-165.00-D	3/29/06	48.0	0.966	116.11	112.20	233.67	2.569	2	18	13.3	4.60	13.40	21.0	1.02	0.01391	0.0359	5.8
								5	15	13.8		10.40				0.0231	4.5
								15	13	14.2		8.40				0.0135	3.7
								45	11	14.5		6.40				0.0079	2.8
								120	10	14.7		5.40				0.0049	2.4
24PB-167.50-170.00-D	3/29/06	42.4	0.962	110.93	106.66	251.27	2.579	2	17	13.5	4.80	12.20	20.0	1.01	0.01386	0.0360	4.9
								5	15	13.8		10.20				0.0230	4.1
								15	12	14.3		7.20				0.0135	2.9
								45	11	14.5		6.20				0.0079	2.5
								120	10	14.7		5.20				0.0049	2.1
24PB-172.50-175.00-D	3/29/06	47.3	0.961	113.96	109.53	231.68	2.574	2	20	13.0	4.80	15.20	20.0	1.02	0.01408	0.0359	6.7
								5	18	13.3		13.20				0.0230	5.8
								15	15	13.8		10.20				0.0135	4.5
								45	12	14.3		7.20				0.0079	3.2
								120	11	14.5		6.20				0.0049	2.7
24PB-177.50-180.00-D	3/29/06	24.9	0.974	113.66	110.72	445.37	2.546	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	2.6
								5	14	14.0		9.20				0.0236	2.1
								15	12	14.3		7.20				0.0137	1.6
								45	11	14.5		6.20				0.0080	1.4
								120	10	14.7		5.20				0.0049	1.2
24PB-182.50-185.00-D	3/31/06	38.3	0.978	116.24	113.66	296.82	2.586	2	15	13.8	4.80	10.20	20.0	1.01	0.01386	0.0364	3.5
								5	13	14.2		8.20				0.0234	2.8
								15	11	14.5		6.20				0.0136	2.1
								45	10	14.7		5.20				0.0079	1.8
								120	9	14.8		4.20				0.0049	1.4
24PB-187.50-190.00-D	3/31/06	41.6	0.971	115.78	112.39	270.22	2.586	2	17	13.5	4.80	12.20	20.0	1.01	0.01386	0.0360	4.6
								5	15	13.8		10.20				0.0230	3.8
								15	13	14.2		8.20				0.0135	3.1
								45	12	14.3		7.20				0.0078	2.7
								120	11	14.5		6.20				0.0048	2.3
24PB-192.50-195.00-D	3/31/06	38.1	0.963	114.17	109.98	288.90	2.583	2	14	14.0	4.80	9.20	20.0	1.01	0.01386	0.0367	3.2
								5	13	14.2		8.20				0.0234	2.9
								15	12	14.3		7.20				0.0135	2.5
								45	10	14.7		5.20				0.0079	1.8
								120	9	14.8		4.20				0.0049	1.5
24PB-197.50-200.00-D	3/31/06	11.3	0.980	116.26	113.95	1012.30	2.589	2	16	13.7	4.80	11.20	20.0	1.01	0.01386	0.0363	1.1
								5	14	14.0		9.20				0.0232	0.9
								15	12	14.3		7.20				0.0135	0.7
								45	10	14.7		5.20				0.0079	0.5
								120	9	14.8		4.20				0.0049	0.4

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-202.50-205.00-D	3/31/06	45.0	0.962	112.38	108.08	239.91	2.576	2	18	13.3	4.80	13.20	20.0	1.01	0.01386	0.0357	5.6
								5	15	13.8		10.20				0.0230	4.3
								15	13	14.2		8.20				0.0135	3.5
								45	11	14.5		6.20				0.0079	2.6
								120	10	14.7		5.20				0.0049	2.2
24PB-207.50-210.00-D	3/31/06	28.8	0.976	103.41	100.98	351.06	2.619	2	14	14.0	4.80	9.20	20.0	1.01	0.01386	0.0367	2.6
								5	12	14.3		7.20				0.0234	2.1
								15	11	14.5		6.20				0.0136	1.8
								45	10	14.7		5.20				0.0079	1.5
								120	9	14.8		4.20				0.0049	1.2
24PB-212.50-215.00-D	4/4/06	5.8	0.987	0.00	0.00	0.00	2.624	2	0	0.0	0.00	0.00	0.0	0.00	0.00000	0.0000	#Error
								5	0	0.0		0.00				0.0000	#Error
								15	0	0.0		0.00				0.0000	#Error
								45	0	0.0		0.00				0.0000	#Error
								120	0	0.0		0.00				0.0000	#Error
24PB-217.50-220.00-D	4/4/06	49.1	0.972	114.49	111.31	226.86	2.581	2	15	13.8	4.60	10.53	21.0	1.01	0.01369	0.0360	4.7
								5	13	14.2		8.40				0.0231	3.7
								15	11	14.5		6.40				0.0135	2.8
								45	10	14.7		5.40				0.0078	2.4
								120	9	14.8		4.40				0.0048	2.0
24PB-222.50-225.00-D	4/4/06	88.2	0.978	115.47	112.91	128.07	2.576	2	12	14.3	4.60	7.40	21.0	1.01	0.01369	0.0366	5.8
								5	10	14.7		5.40				0.0235	4.3
								15	9	14.8		4.40				0.0136	3.5
								45	9	14.8		4.40				0.0079	3.5
								120	8	15.0		3.40				0.0048	2.7
24PB-227.50-230.00-D	4/4/06	65.7	0.969	112.28	108.83	165.75	2.574	2	13	14.2	4.60	8.51	21.0	1.02	0.01391	0.0371	5.2
								5	11	14.5		6.40				0.0237	3.9
								15	10	14.7		5.40				0.0138	3.3
								45	9	14.8		4.40				0.0080	2.7
								120	8	15.0		3.40				0.0049	2.1
24PB-232.50-235.00-D	4/4/06	72.1	0.967	113.56	109.84	152.39	2.601	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	6.2
								5	12	14.3		7.40				0.0232	4.9
								15	10	14.7		5.40				0.0136	3.6
								45	9	14.8		4.40				0.0079	2.9
								120	8	15.0		3.40				0.0048	2.3
24PB-237.50-240.00-D	4/4/06	46.4	0.979	115.39	112.93	243.43	2.597	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.6
								5	15	13.8		10.40				0.0227	4.3
								15	13	14.2		8.40				0.0133	3.5
								45	11	14.5		6.40				0.0078	2.7
								120	9	14.8		4.40				0.0048	1.8

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm^3)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-242.50-245.00-D	4/5/06	45.6	0.986	113.74	112.12	245.63	2.579	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	6.8
								5	18	13.3		13.60				0.0221	5.6
								15	16	13.7		11.60				0.0129	4.8
								45	14	14.0		9.60				0.0075	3.9
								120	12	14.3		7.60				0.0047	3.1
24PB-247.50-250.00-D	4/5/06	52.8	0.970	114.92	111.53	211.14	2.583	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	7.9
								5	18	13.3		13.60				0.0221	6.5
								15	16	13.7		11.60				0.0129	5.5
								45	13	14.2		8.60				0.0076	4.1
								120	12	14.3		7.60				0.0047	3.6
24PB-252.50-255.00-D	4/5/06	47.1	0.978	116.94	114.39	242.66	2.629	2	23	12.5	4.40	18.60	22.0	1.00	0.01332	0.0333	7.7
								5	20	13.0		15.60				0.0215	6.4
								15	16	13.7		11.60				0.0127	4.8
								45	13	14.2		8.60				0.0075	3.5
								120	11	14.5		6.60				0.0046	2.7
24PB-257.50-260.00-D	4/5/06	74.0	0.978	113.93	111.39	150.50	2.617	2	19	13.2	4.40	14.60	22.0	1.01	0.01353	0.0348	9.8
								5	17	13.5		12.60				0.0222	8.5
								15	15	13.8		10.60				0.0130	7.1
								45	12	14.3		7.60				0.0076	5.1
								120	9	14.8		4.60				0.0048	3.1
24PB-262.50-265.00-D	4/5/06	51.5	0.975	114.17	111.26	215.96	2.604	2	25	12.2	4.40	20.60	22.0	1.01	0.01353	0.0334	9.6
								5	21	12.9		16.60				0.0217	7.8
								15	17	13.5		12.60				0.0128	5.9
								45	15	13.8		10.60				0.0075	5.0
								120	13	14.2		8.60				0.0047	4.0
24PB-267.50-270.00-D	4/5/06	89.1	0.968	115.75	112.04	125.68	2.613	2	23	12.5	4.40	18.60	22.0	1.01	0.01353	0.0338	14.9
								5	21	12.9		16.60				0.0217	13.3
								15	19	13.2		14.60				0.0127	11.7
								45	17	13.5		12.60				0.0074	10.1
								120	15	13.8		10.60				0.0046	8.5
24PB-272.50-275.00-D	4/6/06	80.9	0.959	112.52	107.85	133.25	2.626	2	32	11.1	4.60	27.40	21.0	1.00	0.01348	0.0318	20.6
								5	30	11.4		25.40				0.0204	19.1
								15	27	11.9		22.40				0.0120	16.8
								45	24	12.4		19.40				0.0071	14.6
								120	22	12.7		17.40				0.0044	13.1
24PB-277.50-280.00-D	4/6/06	64.0	0.972	110.27	107.23	167.48	2.572	2	30	11.4	4.60	25.40	21.0	1.02	0.01391	0.0332	15.5
								5	27	11.9		22.40				0.0215	13.6
								15	24	12.4		19.40				0.0126	11.8
								45	20	13.0		15.40				0.0075	9.4
								120	18	13.3		13.40				0.0046	8.2

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-282.50-285.00-D	4/6/06	52.5	0.970	112.68	109.34	208.22	2.600	2	24	12.4	4.60	19.40	21.0	1.01	0.01369	0.0341	9.4
								5	21	12.9		16.40				0.0220	8.0
								15	18	13.3		13.40				0.0129	6.5
								45	15	13.8		10.40				0.0076	5.0
								120	13	14.2		8.40				0.0047	4.1
24PB-287.50-290.00-D	4/6/06	53.3	0.975	114.82	111.99	210.23	2.587	2	24	12.4	4.60	19.40	21.0	1.01	0.01369	0.0341	9.3
								5	21	12.9		16.40				0.0220	7.9
								15	18	13.3		13.40				0.0129	6.4
								45	15	13.8		10.40				0.0076	5.0
								120	13	14.2		8.40				0.0047	4.0
24PB-292.50-295.00-D	4/6/06	55.3	0.971	115.28	111.89	202.23	2.582	2	26	12.0	4.60	21.40	21.0	1.01	0.01369	0.0335	10.7
								5	23	12.5		18.40				0.0216	9.2
								15	20	13.0		15.40				0.0127	7.7
								45	18	13.3		13.40				0.0074	6.7
								120	15	13.8		10.40				0.0046	5.2
24PB-297.50-300.00-D	4/6/06	58.0	0.976	114.42	111.70	192.72	2.554	2	22	12.7	4.60	17.40	21.0	1.02	0.01391	0.0351	9.2
								5	19	13.2		14.40				0.0226	7.6
								15	17	13.5		12.40				0.0132	6.6
								45	14	14.0		9.40				0.0078	5.0
								120	12	14.3		7.40				0.0048	3.9
24PB-302.50-305.00-D	4/7/06	62.5	0.967	115.29	111.46	178.42	2.575	2	20	13.0	4.60	15.40	21.0	1.02	0.01391	0.0355	8.8
								5	18	13.3		13.40				0.0227	7.7
								15	15	13.8		10.40				0.0133	5.9
								45	12	14.3		7.40				0.0078	4.2
								120	11	14.5		6.40				0.0048	3.7
24PB-307.50-310.00-D	4/7/06	57.8	0.971	116.33	112.95	195.56	2.546	2	21	12.9	4.60	16.40	21.0	1.02	0.01391	0.0353	8.6
								5	18	13.3		13.40				0.0227	7.0
								15	15	13.8		10.40				0.0133	5.4
								45	12	14.3		7.40				0.0078	3.9
								120	10	14.7		5.40				0.0049	2.8
24PB-312.50-315.00-D	4/7/06	52.3	0.973	114.09	110.97	211.99	2.534	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	6.0
								5	14	14.0		9.40				0.0233	4.5
								15	12	14.3		7.40				0.0136	3.6
								45	10	14.7		5.40				0.0080	2.6
								120	9	14.8		4.40				0.0049	2.1
24PB-317.50-320.00-D	4/7/06	79.1	0.935	113.22	105.90	133.94	2.610	2	41	9.6	4.60	36.40	21.0	1.01	0.01369	0.0300	27.4
								5	37	10.2		32.40				0.0196	24.4
								15	33	10.9		28.40				0.0117	21.4
								45	30	11.4		25.40				0.0069	19.2
								120	26	12.0		21.40				0.0043	16.1

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-322.50-325.00-D	4/7/06	55.3	0.962	115.39	111.02	200.75	2.587	2	28	11.7	4.60	23.40	21.0	1.01	0.01369	0.0331	11.8
								5	23	12.5		18.40				0.0216	9.3
								15	20	13.0		15.40				0.0127	7.7
								45	18	13.3		13.40				0.0074	6.7
								120	15	13.8		10.40				0.0046	5.2
24PB-327.50-330.00-D	4/7/06	62.8	0.962	114.18	109.87	175.02	2.592	2	31	11.2	4.60	26.40	21.0	1.01	0.01369	0.0324	15.2
								5	28	11.7		23.40				0.0209	13.5
								15	24	12.4		19.40				0.0124	11.2
								45	21	12.9		16.40				0.0073	9.5
								120	18	13.3		13.40				0.0046	7.7
24PB-332.50-335.00-D	4/10/06	53.5	0.971	112.77	109.49	204.48	2.600	2	31	11.2	4.60	26.40	21.0	1.01	0.01369	0.0324	13.0
								5	27	11.9		22.40				0.0211	11.1
								15	24	12.4		19.40				0.0124	9.6
								45	20	13.0		15.40				0.0074	7.6
								120	18	13.3		13.40				0.0046	6.6
24PB-337.50-340.00-D	4/10/06	57.8	0.978	113.49	111.05	192.03	2.570	2	24	12.4	4.60	19.40	21.0	1.02	0.01391	0.0346	10.3
								5	20	13.0		15.40				0.0224	8.2
								15	17	13.5		12.40				0.0132	6.6
								45	15	13.8		10.40				0.0077	5.5
								120	13	14.2		8.40				0.0048	4.5
24PB-342.50-345.00-D	4/10/06	59.7	0.977	115.37	112.67	188.59	2.565	2	29	11.5	4.60	24.40	21.0	1.02	0.01391	0.0334	13.2
								5	25	12.2		20.40				0.0217	11.0
								15	21	12.9		16.40				0.0129	8.9
								45	17	13.5		12.40				0.0076	6.7
								120	15	13.3		10.40				0.0046	5.6
24PB-347.50-350.00-D	4/10/06	58.2	0.980	116.24	113.89	195.85	2.581	2	27	11.9	4.60	22.40	21.0	1.01	0.01369	0.0334	11.6
								5	22	12.7		17.40				0.0218	9.0
								15	19	13.2		14.40				0.0128	7.4
								45	15	13.8		10.40				0.0076	5.4
								120	13	14.2		8.40				0.0047	4.3
24PB-352.50-355.00-D	4/10/06	59.0	0.985	113.39	111.64	189.37	2.575	2	26	12.0	4.60	21.40	21.0	1.02	0.01391	0.0341	11.5
								5	21	12.9		16.40				0.0223	8.8
								15	18	13.3		13.40				0.0131	7.2
								45	15	13.8		10.40				0.0077	5.6
								120	13	14.2		8.40				0.0048	4.5
24PB-357.50-360.00-D	4/10/06	49.4	0.984	116.83	114.95	232.86	2.566	2	24	12.4	4.60	19.40	21.0	1.02	0.01391	0.0346	8.5
								5	21	12.9		16.40				0.0223	7.2
								15	17	13.5		12.40				0.0132	5.4
								45	15	13.8		10.40				0.0077	4.6
								120	13	14.2		8.40				0.0048	3.7

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-362.50-365.00-D	4/11/06	54.8	0.986	115.35	113.77	207.71	2.576	2	27	11.9	4.80	22.20	20.0	1.01	0.01386	0.0338	10.8
								5	23	12.5		18.20				0.0219	8.8
								15	18	13.3		13.20				0.0131	6.4
								45	14	14.0		9.20				0.0077	4.5
								120	12	14.3		7.20				0.0048	3.5
24PB-367.50-370.00-D	4/11/06	55.0	0.984	113.19	111.36	202.58	2.567	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	12.2
								5	24	12.4		19.20				0.0222	9.7
								15	19	13.2		14.20				0.0132	7.1
								45	16	13.7		11.20				0.0078	5.6
								120	14	14.0		9.20				0.0048	4.6
24PB-372.50-375.00-D	4/11/06	56.9	0.984	116.22	114.33	200.88	2.574	2	31	11.2	4.80	26.20	20.0	1.02	0.01408	0.0333	13.3
								5	27	11.9		22.20				0.0217	11.3
								15	21	12.9		16.20				0.0131	8.2
								45	18	13.3		13.20				0.0077	6.7
								120	16	13.7		11.20				0.0048	5.7
24PB-377.50-380.00-D	4/11/06	62.4	0.983	115.89	113.98	182.60	2.559	2	27	11.9	4.80	22.20	20.0	1.02	0.01408	0.0343	12.4
								5	22	12.7		17.20				0.0224	9.6
								15	18	13.3		13.20				0.0133	7.4
								45	14	14.0		9.20				0.0079	5.1
								120	12	14.3		7.20				0.0049	4.0
24PB-382.50-385.00-D	4/11/06	69.1	0.984	117.55	115.69	167.47	2.564	2	33	10.9	4.80	28.20	20.0	1.02	0.01408	0.0329	17.2
								5	28	11.7		23.20				0.0215	14.1
								15	23	12.5		18.20				0.0129	11.1
								45	19	13.2		14.20				0.0076	8.6
								120	16	13.7		11.20				0.0048	6.8
24PB-387.50-390.00-D	4/11/06	65.1	0.982	116.84	114.69	176.22	2.579	2	29	11.5	4.80	24.20	20.0	1.01	0.01386	0.0332	13.9
								5	25	12.2		20.20				0.0217	11.6
								15	20	13.0		15.20				0.0129	8.7
								45	17	13.5		12.20				0.0076	7.0
								120	15	13.8		10.20				0.0047	5.8
24PB-392.50-395.00-D	4/12/06	63.2	0.977	116.47	113.74	180.05	2.589	2	29	11.5	4.80	24.20	20.0	1.01	0.01386	0.0332	13.6
								5	26	12.0		21.20				0.0215	11.9
								15	22	12.7		17.20				0.0128	9.6
								45	17	13.5		12.20				0.0076	6.8
								120	15	13.8		10.20				0.0047	5.7
24PB-397.50-400.00-D	4/12/06	56.2	0.976	115.89	113.06	201.15	2.586	2	26	12.0	4.80	21.20	20.0	1.01	0.01386	0.0339	10.6
								5	23	12.5		18.20				0.0219	9.1
								15	20	13.0		15.20				0.0129	7.6
								45	17	13.5		12.20				0.0076	6.1
								120	15	13.8		10.20				0.0047	5.1

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm^3)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-402.50-405.00-D	4/12/06	57.3	0.953	114.55	109.17	190.63	2.576	2	21	12.9	4.80	16.20	20.0	1.01	0.01386	0.0352	8.6
								5	19	13.2		14.20				0.0225	7.5
								15	17	13.5		12.20				0.0131	6.5
								45	15	13.8		10.20				0.0077	5.4
								120	13	14.2		8.20				0.0048	4.3

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-2.50-5.00-D	5/29/06	62.3	0.994	116.35	115.66	185.77	2.598	2	12	14.3	4.40	7.60	22.0	1.01	0.01353	0.0362	4.1
								5	11	14.5		6.60				0.0230	3.6
								15	10	14.7		5.60				0.0134	3.0
								45	9	14.8		4.60				0.0078	2.5
								120	8	15.0		3.60				0.0048	2.0
32P-7.50-10.00-D	5/29/06	41.0	1.044	114.49	119.58	291.55	2.574	2	13	14.2	4.40	8.60	22.0	1.02	0.01374	0.0366	3.0
								5	12	14.3		7.60				0.0232	2.7
								15	11	14.5		6.60				0.0135	2.3
								45	10	14.7		5.60				0.0079	2.0
								120	9	14.8		4.60				0.0048	1.6
32P-12.50-15.00-D	5/29/06	62.2	0.989	115.74	114.48	184.01	2.584	2	16	13.7	4.40	11.60	22.0	1.01	0.01353	0.0354	6.4
								5	14	14.0		9.60				0.0226	5.3
								15	12	14.3		7.60				0.0132	4.2
								45	11	14.5		6.60				0.0077	3.6
								120	10	14.7		5.60				0.0047	3.1
32P-17.50-20.00-D	5/29/06	69.2	0.985	114.62	112.94	163.29	2.565	2	25	12.2	4.40	20.60	22.0	1.02	0.01374	0.0339	12.9
								5	22	12.7		17.60				0.0219	11.0
								15	19	13.2		14.60				0.0129	9.1
								45	16	13.7		11.60				0.0076	7.2
								120	13	14.2		8.60				0.0047	5.4
32P-22.50-25.00-D	5/29/06	61.1	0.991	115.95	114.96	188.29	2.566	2	14	14.0	4.40	9.60	22.0	1.02	0.01374	0.0364	5.2
								5	12	14.3		7.60				0.0232	4.1
								15	11	14.5		6.60				0.0135	3.6
								45	10	14.7		5.60				0.0079	3.0
								120	9	14.8		4.60				0.0048	2.5
32P-27.50-30.00-D	5/29/06	50.4	0.993	112.46	111.63	221.38	2.566	2	12	14.3	4.40	7.60	22.0	1.02	0.01374	0.0367	3.5
								5	10	14.7		5.60				0.0236	2.6
								15	9	14.8		4.60				0.0136	2.1
								45	8	15.0		3.60				0.0079	1.7
								120	7	15.2		2.60				0.0049	1.2
32P-32.50-35.00-D	5/30/06	46.3	0.993	114.24	113.41	245.12	2.577	2	18	13.3	4.40	13.60	22.0	1.01	0.01353	0.0349	5.6
								5	16	13.7		11.60				0.0224	4.8
								15	13	14.2		8.60				0.0132	3.5
								45	11	14.5		6.60				0.0077	2.7
								120	9	14.8		4.60				0.0048	1.9
32P-37.50-40.00-D	5/30/06	51.5	0.979	112.25	109.84	213.37	2.577	2	26	12.0	4.40	21.60	22.0	1.01	0.01353	0.0331	10.2
								5	23	12.5		18.60				0.0214	8.8
								15	20	13.0		15.60				0.0126	7.4
								45	17	13.5		12.60				0.0074	6.0
								120	15	13.8		10.60				0.0046	5.0

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-42.50-45.00-D	5/30/06	75.4	0.987	114.47	113.03	149.91	2.527	2	20	13.0	4.40	15.60	22.0	1.02	0.01374	0.0350	10.6
								5	17	13.5		12.60				0.0226	8.6
								15	15	13.8		10.60				0.0132	7.2
								45	13	14.2		8.60				0.0077	5.9
								120	11	14.5		6.60				0.0048	4.5
32P-47.50-50.00-D	5/30/06	54.0	0.989	115.78	114.53	212.17	2.567	2	13	14.2	4.40	8.60	22.0	1.02	0.01374	0.0366	4.1
								5	11	14.5		6.60				0.0234	3.2
								15	10	14.7		5.60				0.0136	2.7
								45	9	14.8		4.60				0.0079	2.2
								120	8	15.0		3.60				0.0049	1.7
32P-52.50-55.00-D	5/30/06	57.1	0.988	113.59	112.23	196.62	2.570	2	19	13.2	4.40	14.60	22.0	1.02	0.01374	0.0353	7.6
								5	17	13.5		12.60				0.0226	6.5
								15	14	14.0		9.60				0.0133	5.0
								45	12	14.3		7.60				0.0077	3.9
								120	10	14.7		5.60				0.0048	2.9
32P-57.50-60.00-D	5/30/06	40.9	0.989	115.65	114.38	279.40	2.556	2	12	14.3	4.40	7.60	22.0	1.02	0.01374	0.0367	2.8
								5	11	14.5		6.60				0.0234	2.4
								15	10	14.7		5.60				0.0136	2.0
								45	9	14.8		4.60				0.0079	1.7
								120	9	14.8		4.60				0.0048	1.7
32P-62.50-65.00-D	5/31/06	71.8	0.988	113.29	111.98	156.04	2.583	2	12	14.3	4.40	7.60	22.0	1.01	0.01353	0.0362	4.9
								5	11	14.5		6.60				0.0230	4.3
								15	10	14.7		5.60				0.0134	3.6
								45	9	14.8		4.60				0.0078	3.0
								120	9	14.8		4.60				0.0048	3.0
32P-67.50-70.00-D	5/31/06	54.8	0.979	115.45	113.04	206.23	2.579	2	17	13.5	4.40	12.60	22.0	1.01	0.01353	0.0352	6.2
								5	15	13.8		10.60				0.0225	5.2
								15	13	14.2		8.60				0.0132	4.2
								45	11	14.5		6.60				0.0077	3.2
								120	10	14.7		5.60				0.0047	2.7
32P-72.50-75.00-D	5/31/06	65.0	0.984	116.05	114.18	175.78	2.607	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	9.5
								5	18	13.3		13.60				0.0221	7.8
								15	16	13.7		11.60				0.0129	6.7
								45	14	14.0		9.60				0.0075	5.5
								120	13	14.2		8.60				0.0047	4.9
32P-77.50-80.00-D	5/31/06	63.0	0.985	113.93	112.24	178.06	2.588	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	6.5
								5	14	14.0		9.40				0.0229	5.3
								15	12	14.3		7.40				0.0134	4.2
								45	10	14.7		5.40				0.0078	3.1
								120	9	14.8		4.40				0.0048	2.5

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-82.50-85.00-D	5/31/06	53.7	0.977	115.73	113.02	210.59	2.574	2	21	12.9	4.60	16.40	21.0	1.02	0.01391	0.0353	7.9
								5	18	13.3		13.40				0.0227	6.5
								15	16	13.7		11.40				0.0133	5.5
								45	13	14.2		8.40				0.0078	4.1
								120	12	14.3		7.40				0.0048	3.6
32P-87.50-90.00-D	5/31/06	51.9	0.978	112.87	110.44	212.77	2.578	2	17	13.5	4.60	12.40	21.0	1.01	0.01369	0.0356	5.9
								5	14	14.0		9.40				0.0229	4.5
								15	12	14.3		7.40				0.0134	3.5
								45	10	14.7		5.40				0.0078	2.6
								120	9	14.8		4.40				0.0048	2.1
32P-92.50-95.00-D	6/2/06	39.8	0.984	115.77	113.96	286.58	2.584	2	17	13.5	4.60	12.40	21.0	1.01	0.01369	0.0356	4.4
								5	14	14.0		9.40				0.0229	3.3
								15	12	14.3		7.40				0.0134	2.6
								45	10	14.7		5.40				0.0078	1.9
								120	9	14.8		4.40				0.0048	1.6
32P-97.50-100.00-D	6/2/06	40.6	0.983	112.87	110.92	273.24	2.569	2	16	13.7	4.60	11.40	21.0	1.02	0.01391	0.0364	4.3
								5	14	14.0		9.40				0.0233	3.5
								15	12	14.3		7.40				0.0136	2.8
								45	10	14.7		5.40				0.0080	2.0
								120	9	14.8		4.40				0.0049	1.6
32P-102.50-105.00-D	6/2/06	66.9	0.968	116.15	112.38	167.98	2.578	2	23	12.5	4.60	18.40	21.0	1.01	0.01369	0.0342	11.1
								5	19	13.2		14.40				0.0222	8.7
								15	16	13.7		11.40				0.0131	6.9
								45	13	14.2		8.40				0.0077	5.1
								120	12	14.3		7.40				0.0047	4.4
32P-107.50-110.00-D	6/2/06	36.5	0.970	115.94	112.49	308.21	2.577	2	14	14.0	4.80	9.20	20.0	1.01	0.01386	0.0367	3.0
								5	12	14.3		7.20				0.0234	2.4
								15	11	14.5		6.20				0.0136	2.0
								45	10	14.7		5.20				0.0079	1.7
								120	9	14.8		4.20				0.0049	1.4
32P-112.50-115.00-D	6/2/06	63.9	0.960	114.53	109.99	172.16	2.567	2	14	14.0	4.80	9.20	20.0	1.02	0.01408	0.0373	5.5
								5	13	14.2		8.20				0.0237	4.9
								15	11	14.5		6.20				0.0138	3.7
								45	10	14.7		5.20				0.0080	3.1
								120	9	14.8		4.20				0.0049	2.5
32P-117.50-120.00-D	6/2/06	75.1	0.965	115.07	110.99	147.76	2.584	2	20	13.0	4.80	15.20	20.0	1.01	0.01386	0.0353	10.4
								5	16	13.7		11.20				0.0229	7.7
								15	13	14.2		8.20				0.0135	5.6
								45	11	14.5		6.20				0.0079	4.2
								120	9	14.8		4.20				0.0049	2.9

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-122.50-125.00-D	6/5/06	72.7	0.969	116.39	112.82	155.10	2.592	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	7.4
								5	14	14.0		9.40				0.0229	6.1
								15	11	14.5		6.40				0.0135	4.2
								45	10	14.7		5.40				0.0078	3.5
								120	9	14.8		4.40				0.0048	2.9
32P-127.50-130.00-D	6/5/06	64.4	0.959	113.58	108.91	168.99	2.587	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	5.6
								5	12	14.3		7.40				0.0232	4.4
								15	11	14.5		6.40				0.0135	3.8
								45	10	14.7		5.40				0.0078	3.2
								120	9	14.8		4.40				0.0048	2.6
32P-132.50-135.00-D	6/5/06	29.9	0.973	114.86	111.76	373.40	2.582	2	12	14.3	4.60	7.40	21.0	1.01	0.01369	0.0366	2.0
								5	10	14.7		5.40				0.0235	1.5
								15	9	14.8		4.40				0.0136	1.2
								45	8	15.0		3.40				0.0079	0.9
								120	7	15.2		2.40				0.0049	0.6
32P-137.50-140.00-D	6/5/06	40.7	0.972	113.25	110.07	270.23	2.584	2	15	13.8	4.60	10.40	21.0	1.01	0.01369	0.0360	3.9
								5	12	14.3		7.40				0.0232	2.8
								15	10	14.7		5.40				0.0136	2.0
								45	9	14.8		4.40				0.0079	1.6
								120	8	15.0		3.40				0.0048	1.3
32P-142.50-145.00-D	6/5/06	60.1	0.960	114.91	110.32	183.42	2.589	2	23	12.5	4.60	18.40	21.0	1.01	0.01369	0.0342	10.1
								5	21	12.9		16.40				0.0220	9.0
								15	19	13.2		14.40				0.0128	7.9
								45	18	13.3		13.40				0.0074	7.4
								120	16	13.7		11.40				0.0046	6.3
32P-147.50-150.00-D	6/5/06	61.1	0.972	115.96	112.69	184.46	2.600	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	7.3
								5	15	13.8		10.40				0.0227	5.7
								15	13	14.2		8.40				0.0133	4.6
								45	12	14.3		7.40				0.0077	4.1
								120	11	14.5		6.40				0.0048	3.5
32P-152.50-155.00-D	6/6/06	58.6	0.973	113.79	110.68	188.78	2.629	2	20	13.0	4.40	15.60	22.0	1.00	0.01332	0.0340	8.3
								5	18	13.3		13.60				0.0217	7.2
								15	15	13.8		10.60				0.0128	5.6
								45	13	14.2		8.60				0.0075	4.6
								120	12	14.3		7.60				0.0046	4.0
32P-157.50-160.00-D	6/6/06	75.5	0.968	116.75	113.03	149.68	2.602	2	17	13.5	4.40	12.60	22.0	1.01	0.01353	0.0352	8.5
								5	14	14.0		9.60				0.0226	6.5
								15	12	14.3		7.60				0.0132	5.1
								45	10	14.7		5.60				0.0077	3.8
								120	9	14.8		4.60				0.0048	3.1

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-162.50-165.00-D	6/6/06	43.4	0.969	115.52	111.94	257.95	2.609	2	14	14.0	4.40	9.60	22.0	1.01	0.01353	0.0358	3.8
								5	12	14.3		7.60				0.0229	3.0
								15	10	14.7		5.60				0.0134	2.2
								45	9	14.8		4.60				0.0078	1.8
								120	8	15.0		3.60				0.0048	1.4
32P-167.50-170.00-D	6/6/06	59.9	0.966	114.86	110.92	185.05	2.604	2	22	12.7	4.40	17.60	22.0	1.01	0.01353	0.0341	9.6
								5	19	13.2		14.60				0.0220	8.0
								15	16	13.7		11.60				0.0129	6.3
								45	14	14.0		9.60				0.0075	5.2
								120	12	14.3		7.60				0.0047	4.1
32P-172.50-175.00-D	6/6/06	59.7	0.970	115.78	112.33	188.17	2.594	2	22	12.7	4.40	17.60	22.0	1.01	0.01353	0.0341	9.4
								5	19	13.2		14.60				0.0220	7.8
								15	17	13.5		12.60				0.0128	6.8
								45	15	13.8		10.60				0.0075	5.7
								120	13	14.2		8.60				0.0047	4.6
32P-177.50-180.00-D	6/6/06	45.3	0.974	114.33	111.35	245.99	2.576	2	17	13.5	4.40	12.60	22.0	1.01	0.01353	0.0352	5.2
								5	14	14.0		9.60				0.0226	3.9
								15	12	14.3		7.60				0.0132	3.1
								45	10	14.7		5.60				0.0077	2.3
								120	9	14.8		4.60				0.0048	1.9
32P-182.50-185.00-D	6/7/06	38.3	0.979	113.67	111.33	290.66	2.651	2	23	12.5	4.40	18.60	22.0	1.00	0.01332	0.0333	6.4
								5	20	13.0		15.60				0.0215	5.4
								15	17	13.5		12.60				0.0126	4.3
								45	15	13.8		10.60				0.0074	3.6
								120	13	14.2		8.60				0.0046	3.0
32P-187.50-190.00-D	6/7/06	54.6	0.969	114.94	111.43	204.15	2.579	2	18	13.3	4.40	13.60	22.0	1.01	0.01353	0.0349	6.7
								5	16	13.7		11.60				0.0224	5.7
								15	15	13.8		10.60				0.0130	5.2
								45	13	14.2		8.60				0.0076	4.3
								120	12	14.3		7.60				0.0047	3.8
32P-192.50-195.00-D	6/7/06	64.5	0.963	116.48	112.22	174.08	2.595	2	27	11.9	4.40	22.60	22.0	1.01	0.01353	0.0330	13.1
								5	24	12.4		19.60				0.0213	11.4
								15	22	12.7		17.60				0.0124	10.2
								45	20	13.0		15.60				0.0073	9.1
								120	18	13.3		13.60				0.0045	7.9
32P-197.50-200.00-D	6/7/06	63.2	0.969	115.19	111.59	176.59	2.592	2	22	12.7	4.40	17.60	22.0	1.01	0.01353	0.0341	10.1
								5	20	13.0		15.60				0.0218	8.9
								15	17	13.5		12.60				0.0128	7.2
								45	15	13.8		10.60				0.0075	6.1
								120	14	14.0		9.60				0.0046	5.5

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-202.50-205.00-D	6/7/06	72.1	0.965	116.11	111.99	155.39	2.598	2	24	12.4	4.40	19.60	22.0	1.01	0.01353	0.0337	12.7
								5	22	12.7		17.60				0.0216	11.4
								15	20	13.0		15.60				0.0126	10.1
								45	18	13.3		13.60				0.0074	8.8
								120	16	13.7		11.60				0.0046	7.5
32P-207.50-210.00-D	6/7/06	64.0	0.964	115.03	110.89	173.38	2.602	2	24	12.4	4.40	19.60	22.0	1.01	0.01353	0.0337	11.4
								5	21	12.9		16.60				0.0217	9.7
								15	19	13.2		14.60				0.0127	8.5
								45	17	13.5		12.60				0.0074	7.3
								120	15	13.8		10.60				0.0046	6.2
32P-212.50-215.00-D	6/9/06	63.9	0.969	115.86	112.24	175.72	2.608	2	22	12.7	4.40	17.60	22.0	1.01	0.01353	0.0341	10.1
								5	20	13.0		15.60				0.0218	9.0
								15	18	13.3		13.60				0.0127	7.8
								45	16	13.7		11.60				0.0075	6.7
								120	15	13.8		10.60				0.0046	6.1
32P-217.50-220.00-D	6/9/06	59.3	0.969	114.14	110.60	186.43	2.612	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	9.0
								5	19	13.2		14.60				0.0220	7.9
								15	17	13.5		12.60				0.0128	6.8
								45	15	13.8		10.60				0.0075	5.7
								120	14	14.0		9.60				0.0046	5.2
32P-222.50-225.00-D	6/9/06	29.3	0.979	113.43	111.10	379.44	2.608	2	16	13.7	4.40	11.60	22.0	1.01	0.01353	0.0354	3.1
								5	14	14.0		9.60				0.0226	2.6
								15	13	14.2		8.60				0.0132	2.3
								45	11	14.5		6.60				0.0077	1.8
								120	10	14.7		5.60				0.0047	1.5
32P-227.50-230.00-D	6/9/06	65.6	0.973	114.31	111.25	169.59	2.579	2	22	12.7	4.40	17.60	22.0	1.01	0.01353	0.0341	10.5
								5	20	13.0		15.60				0.0218	9.3
								15	18	13.3		13.60				0.0127	8.1
								45	16	13.7		11.60				0.0075	6.9
								120	15	13.8		10.60				0.0046	6.3
32P-232.50-235.00-D	6/9/06	59.2	0.966	113.48	109.57	184.94	2.594	2	23	12.5	4.40	18.60	22.0	1.01	0.01353	0.0338	10.2
								5	22	12.7		17.60				0.0216	9.6
								15	20	13.0		15.60				0.0126	8.5
								45	18	13.3		13.60				0.0074	7.4
								120	17	13.5		12.60				0.0045	6.9
32P-237.50-240.00-D	6/9/06	59.3	0.964	116.27	112.14	189.17	2.578	2	25	12.2	4.40	20.83	22.0	1.01	0.01353	0.0334	11.1
								5	23	12.5		18.60				0.0214	9.9
								15	21	12.9		16.60				0.0125	8.9
								45	20	13.0		15.60				0.0073	8.3
								120	18	13.3		13.60				0.0045	7.3

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-242.50-245.00-D	6/19/06	53.1	0.979	114.65	112.22	211.53	2.567	2	15	13.8	4.40	10.60	22.0	1.02	0.01374	0.0361	5.1
								5	13	14.2		8.60				0.0232	4.1
								15	12	14.3		7.60				0.0134	3.7
								45	10	14.7		5.60				0.0079	2.7
								120	9	14.8		4.60				0.0048	2.2
32P-247.50-250.00-D	6/19/06	61.1	0.979	115.56	113.17	185.16	2.544	2	17	13.5	4.40	12.60	22.0	1.02	0.01374	0.0357	6.9
								5	15	13.8		10.60				0.0228	5.8
								15	14	14.0		9.60				0.0133	5.3
								45	13	14.2		8.60				0.0077	4.7
								120	12	14.3		7.60				0.0047	4.2
32P-252.50-255.00-D	6/19/06	46.7	0.980	116.24	113.89	243.81	2.543	2	21	12.9	4.40	16.60	22.0	1.02	0.01374	0.0349	6.9
								5	19	13.2		14.60				0.0223	6.1
								15	17	13.5		12.60				0.0130	5.3
								45	16	13.7		11.60				0.0076	4.9
								120	15	13.8		10.60				0.0047	4.4
32P-257.50-260.00-D	6/19/06	45.8	0.978	115.85	113.35	247.73	2.560	2	20	13.0	4.40	15.60	22.0	1.02	0.01374	0.0350	6.4
								5	19	13.2		14.60				0.0223	6.0
								15	18	13.3		13.60				0.0129	5.6
								45	17	13.5		12.60				0.0075	5.2
								120	16	13.7		11.60				0.0046	4.8
32P-730.00-730.10-D	11/1/06	66.4	0.983	110.68	108.80	163.74	2.566	2	28	11.7	4.20	23.80	23.0	1.02	0.01358	0.0328	14.8
								5	24	12.4		19.80				0.0214	12.3
								15	21	12.9		16.80				0.0126	10.5
								45	19	13.2		14.80				0.0074	9.2
								120	17	13.5		12.80				0.0046	8.0
32P-750.00-750.10-D	11/1/06	75.1	0.974	64.06	62.39	83.04	2.626	2	30	11.4	4.20	25.80	23.0	1.00	0.01317	0.0314	31.1
								5	26	12.0		21.80				0.0204	26.3
								15	23	12.5		18.80				0.0120	22.6
								45	20	13.0		15.80				0.0071	19.0
								120	16	13.7		11.80				0.0044	14.2
32P-770.00-770.10-D	11/1/06	99.4	0.977	51.14	49.95	50.25	2.677	2	34	10.7	4.20	29.80	23.0	0.99	0.01297	0.0300	58.7
								5	31	11.2		26.80				0.0194	52.8
								15	29	11.5		24.80				0.0114	48.9
								45	26	12.0		21.80				0.0067	42.9
								120	22	12.7		17.80				0.0042	35.1
32P-790.00-790.10-D	11/3/06	85.4	0.980	99.21	97.27	113.89	2.630	2	26	12.0	4.40	21.60	22.0	1.00	0.01332	0.0326	19.0
								5	22	12.7		17.60				0.0212	15.5
								15	18	13.3		13.60				0.0125	11.9
								45	14	14.0		9.60				0.0074	8.4
								120	12	14.3		7.60				0.0046	6.7

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-810.00-810.10-D	11/3/06	89.8	0.982	100.04	98.24	109.39	2.605	2	26	12.0	4.40	21.60	22.0	1.01	0.01353	0.0331	19.9
								5	23	12.5		18.60				0.0214	17.2
								15	19	13.2		14.60				0.0127	13.5
								45	17	13.5		12.60				0.0074	11.6
								120	14	14.0		9.60				0.0046	8.9
32P-830.00-830.10-D	11/3/06	92.0	0.973	112.73	109.73	119.25	2.601	2	31	11.2	4.40	26.60	22.0	1.01	0.01353	0.0320	22.5
								5	25	12.2		20.60				0.0211	17.4
								15	20	13.0		15.60				0.0126	13.2
								45	15	13.8		10.60				0.0075	9.0
								120	13	14.2		8.60				0.0047	7.3
32P-850.00-850.10-D	11/8/06	77.0	0.980	110.48	108.31	140.61	2.603	2	19	13.2	4.20	14.80	23.0	1.01	0.01337	0.0343	10.6
								5	17	13.5		12.80				0.0220	9.2
								15	15	13.8		10.80				0.0128	7.8
								45	13	14.2		8.80				0.0075	6.3
								120	12	14.3		7.80				0.0046	5.6
32P-870.00-870.10-D	11/8/06	90.4	0.981	112.49	110.40	122.13	2.580	2	22	12.7	4.20	17.80	23.0	1.01	0.01337	0.0337	14.7
								5	18	13.3		13.80				0.0218	11.4
								15	15	13.8		10.80				0.0128	8.9
								45	14	14.0		9.80				0.0075	8.1
								120	13	14.2		8.80				0.0046	7.3
32P-890.00-890.10-D	11/8/06	99.4	0.995	111.15	110.63	111.25	2.606	2	19	13.2	4.20	14.80	23.0	1.01	0.01337	0.0343	13.4
								5	15	13.8		10.80				0.0222	9.8
								15	12	14.3		7.80				0.0131	7.1
								45	10	14.7		5.80				0.0076	5.3
								120	9	14.8		4.80				0.0047	4.4
32P-910.00-910.10-D	11/10/06	95.5	0.989	116.89	115.65	121.14	2.599	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	7.8
								5	13	14.2		8.40				0.0231	7.0
								15	12	14.3		7.40				0.0134	6.2
								45	10	14.7		5.40				0.0078	4.5
								120	10	14.7		5.40				0.0048	4.5
32P-930.00-930.10-D	11/10/06	86.5	0.995	112.78	112.25	129.71	2.584	2	32	11.1	4.60	27.40	21.0	1.01	0.01369	0.0323	21.3
								5	28	11.7		23.40				0.0209	18.2
								15	25	12.2		20.40				0.0123	15.9
								45	22	12.7		17.40				0.0073	13.5
								120	20	13.0		15.40				0.0045	12.0
32P-950.00-950.10-D	11/10/06	98.4	0.992	54.51	54.05	54.94	2.716	2	41	9.6	4.60	36.40	21.0	0.99	0.01328	0.0291	65.6
								5	37	10.2		32.40				0.0190	58.4
								15	33	10.9		28.40				0.0113	51.2
								45	28	11.7		23.40				0.0068	42.2
								120	24	12.4		19.40				0.0043	35.0

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Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-32P with specific gravity passing No. 10 sieve

(Hydrometer number 57878, type 152H)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
32P-970.00-970.10-D	11/16/06	75.4	0.995	55.98	55.69	73.86	2.588	2	29	11.5	4.20	24.80	23.0	1.01	0.01337	0.0321	33.9
								5	25	12.2		20.80				0.0209	28.4
								15	23	12.5		18.80				0.0122	25.7
								45	20	13.0		15.80				0.0072	21.6
								120	18	13.3		13.80				0.0045	18.9
32P-990.00-990.10-D	11/16/06	43.2	0.999	111.58	111.48	257.79	2.557	2	31	11.2	4.20	26.80	23.0	1.02	0.01358	0.0321	10.6
								5	25	12.2		20.80				0.0212	8.2
								15	19	13.2		14.80				0.0127	5.9
								45	15	13.8		10.80				0.0075	4.3
								120	12	14.3		7.80				0.0047	3.1
32P-730.10-732.50-D	11/16/06	60.9	0.996	110.44	110.05	180.67	2.545	2	32	11.1	4.20	27.80	23.0	1.02	0.01358	0.0320	15.7
								5	29	11.5		24.80				0.0206	14.0
								15	25	12.2		20.80				0.0122	11.7
								45	22	12.7		17.80				0.0072	10.0
								120	20	13.0		15.80				0.0045	8.9

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Hydrometer Censoring Report

Test ID	Sample Number	Test Date	Censored	Reasons for Censoring
66	32P-990.00-990.10-D	11/16/2006	☑	Indurated non-alluvium sample; test should not have been performed.
65	32P-970.00-970.10-D	11/16/2006	☑	Indurated non-alluvium sample; test should not have been performed.
64	32P-950.00-950.10-D	11/10/2006	☑	Indurated non-alluvium sample; test should not have been performed.
52	32P-257.50-260.00-D	6/19/2006	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	6/19/2006	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
50	32P-247.50-250.00-D	6/19/2006	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-13P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
13P-2.5-5.0-D	8/3/05	602.6	0.971	585.1	100.0	100.0	98.1	68.0	45.6	27.0	15.8	8.6	4.8
13P-7.5-10.0-D	8/3/05	730.4	0.989	722.7	100.0	100.0	100.0	92.7	76.0	55.4	35.9	18.1	9.9
13P-12.5-15.0-D	8/3/05	822.9	0.976	802.9	100.0	100.0	98.5	87.1	65.3	48.6	36.1	17.2	6.9
13P-17.5-20.0-D	8/3/05	948.3	0.977	926.4	100.0	100.0	100.0	87.0	74.8	51.0	31.3	20.2	14.8
13P-22.5-25.0-D	8/3/05	950.4	0.972	923.7	100.0	100.0	100.0	92.8	75.0	49.8	29.4	15.9	9.2
13P-27.5-30.0-D	8/3/05	1023.1	0.981	1003.4	100.0	100.0	98.0	90.9	72.7	48.3	25.8	14.8	8.4
13P-32.5-35.0-D	8/3/05	729.9	0.975	711.7	100.0	100.0	97.6	85.7	70.8	53.0	31.4	17.3	10.1
13P-37.5-40.0-D	8/3/05	720.4	0.980	706.2	100.0	100.0	100.0	91.0	73.5	54.6	27.6	14.4	7.5
13P-42.5-45.0-D	8/3/05	384.0	0.982	377.2	100.0	100.0	97.2	79.8	64.4	54.4	38.6	18.9	6.2
13P-47.5-50.0-D	8/4/05		-675.887										
13P-52.5-55.0-D	8/4/05	351.1	0.986	346.3	100.0	100.0	100.0	76.7	60.6	41.5	19.5	9.0	3.4
13P-57.5-60.0-D	8/4/05	338.5	0.987	334.1	100.0	100.0	100.0	81.6	60.7	47.9	34.3	19.4	6.1
13P-62.5-65.0-D	8/4/05	492.0	0.934	459.4	100.0	100.0	95.2	77.8	56.6	36.3	14.7	5.1	2.0
13P-67.5-70.0-D	8/5/05	500.0	0.961	480.3	100.0	100.0	100.0	94.5	86.1	74.4	46.7	22.2	10.2
13P-72.5-75.0-D	8/5/05	394.2	0.971	382.8	100.0	100.0	100.0	96.2	90.6	82.7	58.3	31.7	14.9
13P-77.5-80.0-D	8/5/05	264.9	0.981	260.0	100.0	100.0	100.0	85.8	74.7	64.0	44.8	24.1	12.2
13P-82.5-85.0-D	8/5/05	300.7	0.955	287.2	100.0	100.0	100.0	92.8	84.2	72.2	47.2	20.1	9.9
13P-162.5-165.0-D	8/5/05	530.8	0.933	495.1	100.0	100.0	100.0	98.6	90.8	77.0	51.3	31.1	20.7
13P-167.5-170.0-D	8/8/05	690.3	0.887	612.4	100.0	100.0	100.0	95.2	85.2	68.0	49.4	39.0	33.9
13P-172.5-175.0-D	8/8/05	609.1	0.908	552.9	100.0	100.0	100.0	98.7	93.7	83.1	63.9	46.1	30.5
13P-177.5-180.0-D	8/8/05	663.2	0.879	582.9	100.0	100.0	100.0	98.3	94.8	88.3	76.5	65.4	54.8

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-13P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
13P-192.5-195.0-D	8/8/05	649.1	0.840	545.6	100.0	100.0	100.0	100.0	99.8	99.2	96.0	88.9	80.9
13P-197.5-200.0-D	8/8/05	664.4	0.816	542.3	100.0	100.0	100.0	100.0	100.0	100.0	97.3	93.1	83.5
13P-202.5-205.0-D	8/8/05	354.3	0.949	336.1	100.0	100.0	100.0	89.4	78.9	65.8	46.6	28.4	14.3
13P-207.5-210.0-D	8/9/05	486.8	0.922	449.0	100.0	100.0	100.0	96.1	87.1	73.6	52.2	33.9	23.2
13P-212.5-215.0-D	8/9/05	484.2	0.930	450.5	100.0	100.0	100.0	94.4	83.3	68.3	49.2	33.9	25.0
13P-217.5-220.0-D	8/9/05	457.4	0.934	427.3	100.0	100.0	100.0	97.7	88.7	76.5	56.5	35.2	21.9
13P-222.5-225.0-D	8/11/05	370.9	0.937	347.6	100.0	100.0	100.0	94.0	83.7	68.9	47.2	28.3	18.1
13P-227.5-230.0-D	8/11/05	526.8	0.921	485.1	100.0	100.0	100.0	94.1	81.2	69.1	49.3	31.0	20.8
13P-232.5-235.0-D	8/11/05	358.4	0.925	331.6	100.0	100.0	96.3	86.8	77.3	68.5	51.2	29.8	18.3
13P-237.5-240.0-D	8/11/05	477.7	0.939	448.7	100.0	100.0	100.0	93.1	80.8	70.0	48.9	27.5	17.8
13P-242.5-245.0-D	8/11/05	275.0	0.960	264.0	100.0	100.0	100.0	98.7	96.2	88.7	65.8	33.9	16.2
13P-247.5-250.0-D	8/12/05	452.0	0.952	430.2	100.0	100.0	100.0	89.7	77.1	64.2	40.0	20.1	11.5
13P-252.5-255.0-D	8/12/05	580.7	0.943	547.8	100.0	100.0	100.0	91.1	81.5	69.8	49.9	29.2	18.0
13P-257.5-260.0-D	8/12/05	529.6	0.950	502.9	100.0	100.0	96.1	93.3	86.1	76.7	54.4	27.7	16.1

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-2.5-5.0-D	2/22/05	511.1	0.969	495.2	100.0	100.0	100.0	100.0	100.0	100.0	92.4	49.6	25.3
22PC-22.5-25.0-D	2/22/05	456.5	0.994	453.9	100.0	100.0	100.0	95.0	91.3	77.8	36.2	21.0	14.0
22PC-42.5-45.0-D	2/22/05	620.1	0.980	608.0	100.0	100.0	91.3	82.3	66.5	50.3	28.5	10.2	6.1
22PC-60.0-62.5-D	2/22/05	365.2	0.979	357.5	100.0	100.0	100.0	90.1	66.2	48.3	23.4	10.1	6.4
22PC-80.0-82.5-D	2/22/05	603.4	0.968	584.3	100.0	100.0	92.6	79.8	71.4	61.6	36.6	8.1	3.9
22PC-100.0-102.5-D	2/22/05	426.1	0.982	418.3	100.0	100.0	92.3	72.3	53.1	37.4	20.3	8.7	5.6
22PC-117.5-120.0-D	2/22/05	351.9	0.982	345.6	100.0	100.0	94.1	76.9	58.3	41.7	20.0	8.8	5.4
22PC-137.5-140.0-D	2/22/05	626.8	0.978	612.9	100.0	100.0	94.6	70.5	52.6	36.1	15.9	7.9	5.1
22PC-157.5-160.0-D	2/22/05	362.8	0.965	350.2	100.0	100.0	87.8	57.9	39.8	25.9	12.5	6.2	3.8
22PC-177.5-180.0-D	2/22/05	886.9	0.956	847.9	100.0	100.0	80.3	66.7	48.8	34.2	16.1	9.1	6.1
22PC-182.5-185.0-D	2/28/05	652.9	0.945	616.8	100.0	100.0	84.2	65.7	49.1	33.4	11.2	6.4	5.2
22PC-187.5-190.0-D	2/28/05	1093.3	0.948	1036.8	100.0	100.0	98.5	70.6	45.1	25.8	13.0	7.5	5.4
22PC-192.5-195.0-D	2/28/05	1177.6	0.946	1114.3	100.0	100.0	96.0	78.0	58.6	42.3	21.0	10.7	7.4
22PC-197.5-200.0-D	2/28/05	876.1	0.950	832.0	100.0	100.0	98.1	75.5	56.7	39.8	15.0	6.8	4.5
22PC-202.5-205.0-D	2/28/05	972.5	0.952	925.6	100.0	100.0	87.5	70.3	54.7	39.7	15.2	7.1	4.7
22PC-207.5-210.0-D	3/1/05	719.7	0.950	683.7	100.0	100.0	91.6	75.4	59.5	43.2	23.0	11.0	6.9
22PC-212.5-215.0-D	3/1/05	687.4	0.959	658.9	100.0	100.0	78.2	59.0	44.5	31.8	13.7	5.8	3.8
22PC-217.5-220.0-D	3/1/05	924.5	0.966	892.8	100.0	100.0	92.7	63.5	45.3	29.9	13.9	7.6	4.8
22PC-222.5-225.0-D	3/1/05	876.3	0.950	832.2	100.0	100.0	90.9	72.4	52.7	37.0	18.0	7.9	5.2
22PC-227.5-230.0-D	3/1/05	903.7	0.958	865.7	100.0	100.0	88.0	46.9	29.5	18.7	10.3	6.0	4.0
22PC-232.5-235.0-D	3/2/05	1208.2	0.960	1159.8	100.0	100.0	90.8	77.9	56.5	37.3	18.1	10.6	7.7

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-237.5-240.0-D	3/2/05	835.1	0.973	812.5	100.0	100.0	85.3	67.5	50.0	33.2	14.1	7.0	4.4
22PC-242.5-245.0-D	3/2/05	830.3	0.971	805.9	100.0	100.0	90.4	70.3	54.2	34.6	15.7	9.0	6.3
22PC-247.5-250.0-D	3/2/05	441.3	0.969	427.8	100.0	100.0	85.1	65.7	47.3	30.4	11.5	5.6	4.0
22PC-252.5-255.0-D	3/2/05	906.9	0.962	872.8	100.0	100.0	89.5	54.6	35.0	21.9	9.4	5.3	4.0
22PC-257.5-260.0-D	3/3/05	706.4	0.958	676.7	100.0	100.0	94.8	72.2	51.0	32.5	15.8	9.0	6.7
22PC-262.5-265.0-D	3/3/05	930.1	0.937	871.3	100.0	100.0	78.4	62.2	45.4	33.4	17.3	7.9	5.2
22PC-267.5-270.0-D	3/3/05	1420.8	0.949	1348.1	100.0	100.0	84.7	73.1	61.9	51.2	32.4	16.4	11.1
22PC-272.5-275.0-D	3/3/05	1120.6	0.939	1052.7	100.0	100.0	75.8	67.4	55.6	41.4	15.3	6.5	4.5
22PC-277.5-280.0-D	3/3/05	557.9	0.952	531.0	100.0	100.0	81.2	65.3	46.0	28.5	12.6	5.5	3.2
22PC-282.5-285.0-D	3/7/05	1062.0	0.959	1019.0	100.0	100.0	88.9	56.1	41.4	29.6	15.7	7.4	4.9
22PC-287.5-290.0-D	3/7/05	814.9	0.955	778.2	100.0	100.0	84.8	58.6	39.3	26.3	12.4	6.4	4.1
22PC-292.5-295.0-D	3/7/05	848.9	0.934	792.9	100.0	100.0	79.0	63.3	45.1	25.9	9.8	5.0	3.8
22PC-297.5-300.0-D	3/7/05	656.2	0.952	624.5	100.0	100.0	77.8	60.8	46.4	29.1	10.7	5.5	3.8
22PC-302.5-305.0-D	3/7/05	563.5	0.958	540.1	100.0	100.0	83.7	63.7	50.4	37.5	22.2	16.1	14.0
22PC-307.5-310.0-D	3/16/05	594.2	0.949	563.7	100.0	100.0	82.2	75.2	64.1	44.7	14.6	5.2	3.8
22PC-312.5-315.0-D	3/16/05	812.4	0.941	764.7	100.0	100.0	76.8	61.0	44.2	25.6	8.1	3.7	2.3
22PC-317.5-320.0-D	3/16/05	841.6	0.942	793.0	100.0	100.0	71.1	53.3	40.8	28.3	12.2	5.5	3.7
22PC-322.5-325.0-D	3/16/05	905.7	0.952	862.2	100.0	100.0	92.3	72.8	52.7	33.9	16.4	8.5	6.0
22PC-327.5-330.0-D	3/16/05	974.1	0.951	926.5	100.0	100.0	86.7	68.2	51.3	36.2	14.7	7.6	5.8
22PC-332.5-335.0-D	3/16/05	962.2	0.961	925.0	100.0	100.0	74.1	58.2	43.4	29.4	15.2	9.9	8.4
22PC-337.5-340.0-D	3/16/05	882.4	0.957	844.3	100.0	100.0	90.5	69.2	51.1	34.1	14.6	8.5	6.3

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-342.5-345.0-D	3/16/05	813.1	0.947	770.3	100.0	100.0	81.5	63.7	48.6	35.0	15.3	9.0	7.0
22PC-347.5-350.0-D	3/16/05	968.8	0.936	906.4	100.0	100.0	81.1	69.9	62.0	49.4	16.9	7.8	6.2
22PC-352.5-355.0-D	3/16/05	845.3	0.959	810.9	100.0	100.0	86.2	59.4	40.3	27.0	13.5	8.3	6.3
22PC-357.5-360.0-D	3/17/05	656.9	0.949	623.5	100.0	100.0	90.3	70.5	53.4	38.1	19.0	10.8	8.2
22PC-362.5-365.0-D	3/17/05	860.0	0.941	809.6	100.0	100.0	93.3	81.1	65.1	45.7	19.1	10.8	8.0
22PC-367.5-370.0-D	3/17/05	739.1	0.936	691.7	100.0	100.0	92.1	71.7	48.0	29.0	12.7	6.4	5.0
22PC-372.5-375.0-D	3/17/05	1181.1	0.945	1116.0	100.0	100.0	73.7	59.8	51.8	41.0	20.5	11.0	8.1
22PC-377.5-380.0-D	3/17/05	924.7	0.918	849.0	100.0	100.0	85.2	67.9	46.8	27.9	9.5	4.4	2.8
22PC-382.5-385.0-D	3/17/05	609.9	0.946	577.1	100.0	100.0	94.6	68.5	49.8	33.1	16.2	9.6	7.3
22PC-387.5-390.0-D	3/17/05	894.1	0.946	845.4	100.0	100.0	96.4	80.0	61.2	40.0	16.9	9.9	8.0
22PC-392.5-395.0-D	3/17/05	803.6	0.950	763.2	100.0	100.0	91.2	73.3	57.2	39.7	16.4	8.7	6.8
22PC-397.5-400.0-D	10/22/04	990.2	0.943	933.8	100.0	100.0	96.6	78.4	60.5	41.9	19.8	12.4	10.0
22PC-402.5-405.0-D	10/22/04	921.1	0.940	865.8	100.0	100.0	89.9	74.3	59.5	43.2	18.6	9.5	7.5
22PC-407.5-410.0-D	10/22/04	531.9	0.969	515.6	100.0	100.0	100.0	72.3	53.7	36.9	18.5	11.7	8.7
22PC-412.5-415.0-D	10/22/04	680.1	0.951	646.4	100.0	100.0	97.3	82.1	67.4	45.9	19.9	11.5	8.4
22PC-417.5-420.0-D	10/22/04	774.3	0.947	732.9	100.0	100.0	100.0	76.8	56.4	39.5	20.1	12.4	9.4
22PC-422.5-425.0-D	10/22/04	781.8	0.953	744.7	100.0	100.0	100.0	92.6	66.2	39.6	16.2	10.4	8.5
22PC-427.5-430.0-D	10/28/04	923.1	0.935	862.9	100.0	100.0	91.5	79.3	64.3	44.6	19.4	10.9	8.2
22PC-432.5-435.0-D	10/28/04	730.9	0.941	688.0	100.0	100.0	94.5	70.3	49.9	34.3	16.7	10.3	8.3
22PC-437.5-440.0-D	10/28/04	829.4	0.929	770.6	100.0	100.0	100.0	83.1	63.0	40.1	15.1	7.7	6.2
22PC-442.5-445.0-D	10/28/04	712.6	0.918	654.5	100.0	100.0	91.8	76.3	58.5	38.7	19.2	11.3	9.0

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-447.5-450.0-D	10/28/04	904.2	0.932	842.6	100.0	100.0	95.8	71.7	53.5	36.4	16.8	10.2	8.2
22PC-452.5-455.0-D	10/28/04	818.7	0.953	780.0	100.0	100.0	95.3	73.4	50.4	33.4	17.0	10.5	8.2
22PC-457.5-460.0-D	10/28/04	763.6	0.934	712.9	100.0	100.0	100.0	99.8	94.5	67.6	28.6	15.5	12.1

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-460.0-460.5-SC	12/7/04	1483.4	0.960	1424.2	100.0	100.0	93.8	76.2	54.6	36.8	19.2	11.8	9.6
22PC-460.5-461.1-SC	12/7/04	1818.1	0.949	1724.5	100.0	74.1	65.7	52.4	42.6	33.3	18.7	11.8	8.9
22PC-461.1-461.8-SC	12/7/04	1339.8	0.956	1281.1	100.0	100.0	89.5	71.6	53.8	34.7	18.9	12.1	9.5
22PC-461.8-463.7-SC	12/7/04	2167.2	0.957	2073.3	100.0	86.4	71.8	62.5	50.5	38.6	23.4	16.4	13.4
22PC-463.7-464.2-SC	12/7/04	855.5	0.937	801.2	100.0	100.0	92.9	86.5	75.7	57.6	32.8	18.9	15.8
22PC-464.2-466.3-SC	12/9/04	1864.8	0.951	1773.7	100.0	94.9	71.0	60.2	48.8	34.3	16.5	10.6	8.5
22PC-466.3-468.1-SC	12/9/04	2232.3	0.958	2138.0	100.0	57.9	44.0	35.1	28.3	21.7	12.2	7.2	5.4
22PC-468.1-469.1-SC	12/9/04	2194.3	0.948	2081.1	100.0	93.9	91.1	84.1	72.3	55.2	33.9	22.5	17.9
22PC-469.1-471.4-SC	12/9/04	2038.7	0.964	1966.3	100.0	94.0	86.2	74.6	62.6	45.5	22.8	15.5	12.8
22PC-471.4-473.2-SC	12/9/04	1773.5	0.953	1690.4	100.0	83.7	79.4	72.9	62.8	42.6	16.0	10.6	8.7
22PC-473.2-474.5-SC	12/10/04	1234.6	0.956	1180.5	100.0	84.1	69.8	62.1	51.2	39.7	20.8	14.3	11.9
22PC-474.5-476.2-SC	12/10/04	2151.8	0.947	2038.6	100.0	100.0	87.7	75.5	62.1	46.0	23.4	17.1	14.6
22PC-476.2-481.8-SC	12/10/04	2835.4	0.951	2695.3	100.0	94.0	80.1	70.5	60.2	47.0	26.5	18.3	15.3
22PC-483.7-484.6-SC	12/10/04	1055.2	0.954	1006.3	100.0	78.6	64.5	54.0	42.1	30.9	17.5	10.7	8.6
22PC-484.6-488.8-SC	12/10/04	2367.8	0.929	2199.8	100.0	91.9	79.2	65.8	53.6	38.6	19.3	13.4	10.7
22PC-488.8-491.8-SC	12/10/04	1752.6	0.957	1676.4	100.0	100.0	87.2	80.0	70.7	57.1	35.3	25.5	21.7
22PC-492.1-493.8-SC	12/10/04	1624.7	0.942	1530.2	100.0	84.3	66.7	58.8	49.4	37.3	18.5	11.4	9.4
22PC-493.8-494.6-SC	12/10/04	1936.2	0.934	1808.7	100.0	80.1	74.8	64.8	56.1	45.1	27.5	20.4	17.6
22PC-494.6-497.2-SC	12/10/04	2096.1	0.944	1979.0	100.0	86.4	71.3	59.6	49.7	38.0	20.5	13.1	10.6
22PC-497.2-499.6-SC	12/10/04	2540.4	0.934	2372.5	100.0	100.0	79.7	65.6	54.2	39.9	23.9	17.7	15.2
22PC-499.6-501.4-SC	12/13/04	1788.7	0.955	1709.0	100.0	79.6	65.3	55.4	46.6	35.3	19.0	13.0	10.9

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-501.4-504.2-SC	12/13/04	2698.8	0.963	2599.6	100.0	79.2	63.0	54.4	45.8	37.2	29.0	21.5	19.0
22PC-504.5-505.0-SC	12/13/04	1951.7	0.957	1868.3	100.0	100.0	78.7	66.5	55.2	42.5	25.2	17.5	14.7
22PC-505.0-509.1-SC	12/13/04	2291.4	0.950	2176.5	100.0	94.6	85.4	74.1	61.1	43.5	22.2	14.5	12.0
22PC-509.1-509.4-SC	12/13/04	617.0	0.968	597.0	100.0	100.0	88.0	71.8	59.2	45.3	25.0	15.8	12.6
22PC-509.4-513.5-SC	12/13/04	2059.9	0.942	1941.3	100.0	100.0	90.4	76.8	60.1	39.8	18.7	12.5	10.2
22PC-513.5-516.2-SC	12/13/04	2005.1	0.948	1901.8	100.0	94.8	75.3	59.7	47.4	35.2	19.9	13.5	11.2
22PC-516.2-519.2-SC	12/13/04	1011.3	0.966	976.6	100.0	90.8	80.4	67.0	55.3	39.9	19.0	12.2	9.9
22PC-520.4-521.1-SC	12/13/04	1315.9	0.969	1275.7	100.0	90.7	74.1	64.7	51.1	38.4	29.6	22.6	20.4
22PC-521.1-521.8-SC	12/13/04	898.9	0.966	868.3	100.0	100.0	91.3	85.9	70.7	43.2	19.0	12.1	9.9
22PC-521.8-522.7-SC	12/14/04	733.6	0.945	693.6	100.0	100.0	76.5	62.0	50.0	39.0	24.2	18.5	15.4
22PC-522.7-525.5-SC	12/14/04	1536.2	0.966	1483.6	100.0	100.0	84.8	71.8	56.1	35.3	18.8	13.4	11.2
22PC-525.5-526.5-SC	12/14/04	1074.8	0.969	1041.6	100.0	91.6	90.0	80.8	70.3	59.2	39.7	31.8	29.0
22PC-526.5-529.8-SC	12/14/04	902.7	0.953	859.9	100.0	89.2	73.9	67.5	58.9	45.7	24.4	16.3	13.4
22PC-529.8-531.3-SC	12/14/04	848.1	0.951	806.7	100.0	88.6	71.3	62.3	50.0	38.9	21.3	14.3	12.2
22PC-531.3-533.1-SC	12/15/04	1166.5	0.956	1115.4	100.0	100.0	86.6	76.3	63.4	47.3	27.2	20.0	17.0
22PC-533.1-534.1-SC	12/15/04	1138.3	0.951	1082.5	100.0	86.8	77.1	60.8	49.5	38.0	21.8	14.3	11.8
22PC-534.1-536.6-SC	12/15/04	2405.9	0.937	2255.3	100.0	96.4	89.6	80.3	66.5	44.8	20.6	13.7	11.4
22PC-536.6-537.8-SC	12/15/04	969.4	0.955	926.2	100.0	100.0	86.0	76.8	65.1	50.9	30.0	21.8	18.9
22PC-537.8-544.0-SC	12/15/04	1750.5	0.946	1656.8	100.0	89.3	79.7	72.6	59.9	45.3	25.0	16.6	13.9
22PC-544.2-546.7-SC	12/15/04	1490.0	0.946	1409.0	100.0	91.0	70.6	60.5	51.9	40.6	19.3	11.8	9.6
22PC-546.7-547.5-SC	12/15/04	664.4	0.954	633.5	100.0	100.0	96.8	92.7	84.0	64.0	25.4	13.5	10.7

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Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-547.5-549.5-SC	12/15/04	1033.6	0.950	982.1	100.0	79.4	66.8	58.4	51.5	40.5	21.9	13.6	11.1
22PC-549.5-550.2-SC	12/16/04	471.6	0.953	449.3	100.0	79.3	70.6	65.5	60.8	55.3	32.6	17.5	14.2
22PC-550.2-552.8-SC	12/16/04	1093.2	0.962	1051.7	100.0	70.4	60.5	50.6	41.3	29.7	14.5	8.7	6.8
22PC-552.8-554.5-SC	12/16/04	641.2	0.965	618.8	100.0	100.0	87.2	75.6	60.8	46.7	28.0	18.4	14.6
22PC-554.5-560.2-SC	12/16/04	2879.8	0.935	2693.0	100.0	80.8	62.5	53.5	42.7	29.1	13.3	8.5	6.5
22PC-560.2-562.8-SC	12/16/04	851.0	0.961	817.6	100.0	81.2	65.9	50.7	40.5	29.6	17.9	12.0	9.8
22PC-562.8-565.4-SC	12/16/04	1156.0	0.968	1119.5	100.0	100.0	92.6	80.2	63.9	43.7	19.5	12.1	9.5
22PC-565.4-567.1-SC	12/16/04	666.0	0.961	639.8	100.0	70.7	63.7	49.1	38.3	27.3	15.3	9.8	7.9
22PC-567.1-568.1-SC	12/16/04	712.0	0.950	676.7	100.0	100.0	78.5	66.0	56.7	46.6	30.4	22.3	19.3
22PC-568.1-569.9-SC	12/16/04	1848.9	0.943	1743.7	100.0	83.5	57.2	48.2	36.9	25.8	12.3	7.5	6.0
22PC-569.9-571.3-SC	12/17/04	1344.3	0.953	1281.5	100.0	100.0	87.8	79.0	64.0	44.4	21.1	12.5	9.8
22PC-571.3-578.1-SC	12/17/04	1823.1	0.944	1720.6	100.0	96.6	80.7	65.0	51.2	38.5	22.2	16.0	13.3
22PC-578.1-578.6-SC	12/17/04	745.9	0.963	718.6	100.0	100.0	84.5	71.3	58.0	39.9	21.6	14.9	12.3
22PC-578.6-582.8-SC	12/17/04	2326.5	0.944	2195.1	100.0	100.0	81.2	67.8	56.5	43.8	22.9	15.3	12.9
22PC-582.8-585.3-SC	12/17/04	1140.9	0.950	1083.7	100.0	85.2	64.0	55.8	43.6	31.6	17.3	11.6	9.4
22PC-585.3-586.2-SC	12/17/04	2003.7	0.960	1923.9	100.0	77.5	69.5	54.9	44.7	34.8	21.9	15.6	13.3
22PC-586.2-587.0-SC	12/17/04	1966.1	0.950	1867.7	100.0	93.4	84.6	75.0	63.3	39.7	20.9	14.7	12.2
22PC-587.0-587.8-SC	12/17/04	1373.5	0.950	1304.8	100.0	89.4	79.6	69.1	59.3	49.2	31.4	23.3	20.6
22PC-587.8-594.5-SC	12/20/04	2211.6	0.963	2130.0	100.0	88.9	79.9	70.1	57.7	47.1	28.2	21.3	18.5
22PC-594.5-595.0-SC	12/20/04	933.3	0.966	901.7	100.0	90.4	75.4	64.9	55.7	45.1	29.4	21.6	18.7
22PC-595.0-595.7-SC	12/20/04	310.7	0.958	297.8	100.0	100.0	68.7	56.5	44.6	31.1	17.6	11.5	9.8

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-595.7-597.3-SC	12/20/04	639.0	0.949	606.6	100.0	100.0	86.0	71.0	56.6	39.3	20.8	13.7	11.2
22PC-597.3-599.6-SC	12/20/04	1348.3	0.956	1288.8	100.0	89.9	78.7	64.0	49.1	34.4	28.1	22.7	20.2
22PC-599.6-600.3-SC	12/20/04	1061.6	0.940	998.1	100.0	100.0	73.5	64.2	54.7	38.8	18.7	12.9	10.5
22PC-600.3-601.9-SC	12/21/04	1248.4	0.953	1189.7	100.0	100.0	82.5	72.5	58.9	42.2	23.7	16.1	13.5
22PC-601.9-604.1-SC	12/21/04	1219.3	0.932	1136.3	100.0	90.9	72.5	62.4	51.7	40.3	23.2	15.5	12.9
22PC-604.1-604.7-SC	12/21/04	1402.9	0.935	1311.4	100.0	100.0	92.1	81.6	68.3	50.1	25.9	18.1	15.1
22PC-604.7-606.3-SC	12/21/04	831.6	0.959	797.7	100.0	100.0	77.4	68.3	56.7	44.6	30.7	21.7	18.3
22PC-606.6-609.3-SC	12/21/04	1079.0	0.940	1014.2	100.0	90.6	82.5	77.7	67.2	50.4	26.0	17.0	14.1
22PC-609.3-610.1-SC	12/21/04	2176.4	0.946	2059.7	100.0	81.1	68.7	56.8	44.9	33.2	17.8	12.1	10.1
22PC-610.1-611.8-SC	12/21/04	1373.5	0.960	1318.3	100.0	94.5	83.5	63.2	48.6	35.2	20.6	14.9	12.6
22PC-611.8-613.6-SC	12/21/04	1058.0	0.937	991.4	100.0	90.2	70.5	63.0	53.2	42.9	27.9	19.4	16.4
22PC-613.6-615.4-SC	12/21/04	1328.1	0.953	1266.3	100.0	91.9	81.8	73.4	60.9	42.8	22.7	15.1	12.2
22PC-615.5-618.5-SC	12/22/04	1696.0	0.954	1618.3	100.0	100.0	89.7	80.8	68.6	47.5	22.7	14.6	11.9
22PC-618.5-620.0-SC	12/22/04	865.4	0.965	835.3	100.0	88.6	78.4	68.2	56.0	39.8	17.5	10.8	8.7
22PC-620.0-621.1-SC	12/22/04	628.7	0.956	601.1	100.0	100.0	82.4	76.2	67.4	50.4	18.2	10.1	7.9
22PC-621.1-623.0-SC	12/22/04	1453.0	0.955	1387.9	100.0	84.6	70.5	54.8	43.5	29.6	14.2	9.2	7.0
22PC-623.0-623.7-SC	12/22/04	767.6	0.956	733.4	100.0	83.5	69.8	62.1	48.9	35.0	21.2	15.4	13.2
22PC-625.2-629.1-SC	12/27/04	461.1	0.956	440.9	100.0	100.0	77.4	64.1	55.1	44.3	27.2	20.1	16.7
22PC-629.1-629.7-SC	12/27/04	549.7	0.958	526.5	100.0	100.0	91.1	71.9	62.1	49.7	28.7	20.6	17.3
22PC-629.7-631.0-SC	12/27/04	341.7	0.968	330.9	100.0	100.0	84.1	79.6	71.6	57.0	28.8	20.0	16.5
22PC-631.0-631.9-SC	12/27/04	757.6	0.959	726.2	100.0	100.0	81.4	71.5	58.7	47.1	28.3	21.3	17.8

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-632.1-634.1-SC	12/27/04	953.5	0.973	927.9	100.0	100.0	89.6	77.6	63.6	48.4	28.1	21.1	17.7
22PC-634.1-635.8-SC	1/3/05	739.4	0.968	715.9	100.0	100.0	86.8	75.8	63.9	50.5	30.7	22.6	19.5
22PC-636.1-637.7-SC	1/3/05	676.7	0.959	648.8	100.0	81.2	65.8	59.3	51.6	44.1	29.4	20.4	18.1
22PC-637.7-639.1-SC	1/3/05	490.9	0.961	471.9	100.0	100.0	87.3	74.8	67.4	56.2	36.6	27.3	23.8
22PC-639.1-641.3-SC	1/3/05	994.2	0.959	953.5	100.0	100.0	93.3	81.3	69.3	58.0	41.8	33.8	29.8
22PC-641.6-642.1-SC	1/3/05	367.0	0.965	354.0	100.0	100.0	91.8	89.7	83.9	70.8	48.6	38.4	34.8
22PC-642.1-645.0-SC	1/5/05	816.1	0.957	780.6	100.0	89.5	78.3	66.9	58.2	45.9	24.0	17.2	14.6
22PC-645.0-646.8-SC	1/5/05	807.1	0.964	778.0	100.0	88.2	82.5	74.2	65.7	54.0	37.2	28.4	25.0
22PC-646.8-648.4-SC	1/5/05	533.6	0.973	519.4	100.0	100.0	88.2	86.0	77.7	63.9	34.8	22.5	17.5
22PC-648.4-651.6-SC	1/5/05	1040.2	0.965	1003.8	100.0	100.0	100.0	92.5	78.4	58.9	30.5	23.0	20.3
22PC-651.6-652.8-SC	1/5/05	560.3	0.964	540.1	100.0	100.0	79.9	72.4	61.1	48.8	27.0	19.4	16.7
22PC-652.8-655.6-SC	1/5/05	1133.1	0.966	1094.9	100.0	87.2	77.9	71.6	64.7	54.7	36.3	27.5	23.8
22PC-655.6-656.8-SC	1/6/05	856.1	0.973	833.0	100.0	100.0	90.3	80.9	71.9	60.6	39.0	30.3	26.7
22PC-656.8-658.3-SC	1/6/05	493.4	0.956	471.8	100.0	100.0	69.6	62.3	54.6	43.2	25.4	17.9	14.9
22PC-658.3-659.5-SC	1/6/05	497.2	0.965	479.9	100.0	100.0	89.0	84.6	73.8	59.0	27.1	17.5	14.7
22PC-659.5-661.2-SC	1/6/05	754.0	0.961	724.5	100.0	100.0	77.0	62.9	51.8	41.1	24.8	16.9	14.1
22PC-661.2-663.3-SC	1/13/05	1041.8	0.908	946.1	100.0	87.0	81.6	72.0	60.7	44.7	20.5	11.6	8.7
22PC-663.3-666.2-SC	1/13/05	1503.3	0.933	1402.1	100.0	92.3	82.2	71.3	62.4	50.5	29.9	21.4	18.0
22PC-666.2-668.0-SC	1/13/05	1057.8	0.959	1014.8	100.0	82.7	72.2	64.0	55.3	45.3	28.8	20.7	17.6
22PC-668.0-670.7-SC	1/13/05	873.4	0.947	827.5	100.0	94.0	87.7	79.0	68.5	54.8	36.2	28.4	24.4
22PC-670.7-673.2-SC	1/13/05	1239.9	0.957	1186.1	100.0	90.8	81.3	71.5	62.1	52.0	36.7	28.1	24.2

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-673.9-675.3-SC	1/18/05	606.9	0.964	585.2	100.0	100.0	90.7	74.1	62.8	47.5	23.4	15.5	12.2
22PC-675.3-677.3-SC	1/18/05	1162.4	0.973	1130.7	100.0	88.5	78.1	69.7	60.1	48.8	31.8	23.8	20.3
22PC-678.1-679.4-SC	1/18/05	879.0	0.962	845.4	100.0	100.0	92.7	85.5	73.6	53.7	25.9	17.3	14.1
22PC-679.4-684.2-SC	1/18/05	967.2	0.960	928.3	100.0	77.7	52.6	43.1	35.6	27.4	14.4	9.2	7.1
22PC-684.2-686.9-SC	1/18/05	918.1	0.962	882.8	100.0	100.0	88.6	75.7	64.2	51.2	28.9	19.9	16.2
22PC-686.9-687.4-SC	1/18/05	669.7	0.968	648.4	100.0	100.0	76.5	62.3	51.5	41.6	24.4	17.0	13.7
22PC-688.1-689.3-SC	1/18/05	653.4	0.947	618.9	100.0	100.0	82.9	72.8	64.1	51.7	28.8	19.1	15.2
22PC-689.3-690.1-SC	1/18/05	476.6	0.960	457.7	100.0	100.0	90.4	81.8	72.5	57.1	36.4	26.5	21.3
22PC-690.3-691.9-SC	1/18/05	966.6	0.936	904.4	100.0	100.0	85.6	72.9	62.4	48.4	26.7	18.7	14.9
22PC-691.9-692.7-SC	1/18/05	1093.7	0.950	1038.6	100.0	100.0	90.4	75.9	61.7	45.0	23.5	15.8	13.0
22PC-692.7-696.1-SC	1/20/05	955.1	0.955	912.5	100.0	80.8	64.7	58.6	48.9	36.8	21.0	15.1	12.4
22PC-696.1-699.2-SC	1/20/05	829.6	0.959	795.8	100.0	87.4	76.4	67.7	56.3	41.5	25.3	18.8	15.6
22PC-699.2-699.8-SC	1/20/05	625.9	0.929	581.4	100.0	100.0	82.7	76.6	67.7	53.6	31.9	20.5	16.2
22PC-699.8-701.0-SC	1/20/05	803.8	0.931	747.9	100.0	100.0	90.0	76.0	59.9	45.2	26.4	18.2	14.6
22PC-701.0-703.4-SC	1/20/05	942.2	0.926	872.1	100.0	100.0	88.8	76.8	64.7	52.0	34.0	24.8	20.3
22PC-703.4-704.9-SC	1/21/05	733.2	0.952	697.9	100.0	100.0	87.0	79.7	70.9	60.0	38.1	26.3	21.8
22PC-706.1-707.0-SC	1/21/05	1235.9	0.924	1142.2	100.0	100.0	91.4	83.7	74.8	62.2	38.6	23.2	18.6
22PC-707.0-709.0-SC	1/21/05	1853.7	0.937	1737.5	100.0	92.1	77.5	68.4	58.5	48.7	34.1	23.8	19.4
22PC-709.0-712.1-SC	1/21/05	1118.9	0.939	1050.3	100.0	87.5	65.5	55.6	47.8	38.6	22.2	15.1	11.2
22PC-712.1-714.0-SC	1/21/05	744.2	0.927	690.1	100.0	100.0	83.1	76.4	70.2	60.9	39.0	25.2	20.5
22PC-714.0-715.6-SC	1/25/05	963.5	0.945	910.1	100.0	100.0	81.8	64.8	56.9	49.7	28.7	19.0	15.5

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-715.6-718.7-SC	1/25/05	1509.0	0.948	1430.3	100.0	100.0	87.1	72.9	63.0	53.4	34.6	25.6	21.3
22PC-719.0-719.5-SC	1/25/05	763.2	0.943	719.6	100.0	100.0	95.1	85.9	75.1	59.8	33.4	23.3	19.2
22PC-719.5-720.4-SC	1/25/05	646.4	0.942	609.0	100.0	82.6	70.4	64.6	56.0	45.2	28.0	19.9	16.6
22PC-720.4-720.9-SC	1/25/05	486.2	0.946	460.1	100.0	100.0	91.7	81.4	72.4	58.8	37.7	27.8	23.6
22PC-721.5-725.5-SC	1/25/05	978.9	0.969	948.3	100.0	75.7	66.5	57.7	49.4	39.8	26.5	19.0	16.0
22PC-725.5-726.0-SC	1/25/05	773.2	0.971	750.4	100.0	100.0	93.5	82.2	72.8	57.1	33.2	25.2	21.6
22PC-726.0-728.8-SC	1/25/05	585.6	0.971	568.8	100.0	100.0	83.2	75.6	67.0	55.9	36.5	28.2	24.2
22PC-729.9-731.5-SC	1/25/05	663.3	0.965	640.1	100.0	100.0	89.4	81.3	67.2	54.1	34.3	25.9	22.4
22PC-731.5-733.2-SC	1/25/05	613.8	0.964	591.5	100.0	100.0	93.6	86.5	76.4	59.2	33.9	25.6	21.3
22PC-734.8-736.4-SC	1/26/05	689.1	0.934	643.4	100.0	100.0	91.5	80.8	70.2	56.3	36.1	26.3	22.4
22PC-736.4-737.1-SC	1/26/05	1083.6	0.940	1018.8	100.0	100.0	91.8	81.9	69.4	52.3	30.8	22.9	18.8
22PC-737.1-739.6-SC	1/26/05	1403.2	0.948	1330.3	100.0	100.0	94.4	84.9	74.3	59.8	38.2	29.2	25.0
22PC-739.9-741.8-SC	1/26/05	677.7	0.937	634.8	100.0	100.0	92.6	80.4	70.7	58.0	36.2	25.5	21.0
22PC-741.8-743.1-SC	1/26/05	777.6	0.951	739.5	100.0	87.4	84.3	78.4	67.0	49.5	26.7	18.9	15.3
22PC-743.1-745.9-SC	2/4/05	848.3	0.957	812.2	100.0	100.0	85.6	76.3	64.9	53.5	36.4	27.8	23.6
22PC-747.0-747.4-SC	2/4/05	461.3	0.958	441.9	100.0	100.0	90.5	82.5	72.2	59.2	38.3	28.3	23.4
22PC-747.4-749.1-SC	2/4/05	881.7	0.960	846.5	100.0	100.0	94.2	89.9	77.2	57.2	28.0	19.0	15.2
22PC-749.1-752.9-SC	2/4/05	1386.6	0.959	1329.8	100.0	92.8	81.7	69.5	59.1	46.9	28.5	21.2	17.8
22PC-752.9-754.9-SC	2/4/05	865.0	0.951	822.3	100.0	90.3	88.4	78.2	66.7	52.1	30.7	22.3	18.6
22PC-754.9-755.5-SC	2/7/05	645.7	0.970	626.5	100.0	100.0	85.1	74.0	62.1	47.4	30.9	23.1	19.1
22PC-755.5-759.2-SC	2/7/05	1093.3	0.953	1041.4	100.0	74.8	68.1	61.1	53.3	44.8	31.0	24.3	20.7

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Wet Sieve Particle Size Analysis

Core grab samples from NC-EWDP-22PC

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
22PC-759.2-759.5-SC	2/7/05	400.7	0.978	391.9	100.0	100.0	88.7	74.7	64.3	50.6	29.2	19.1	14.9
22PC-759.5-761.3-SC	2/7/05	1019.3	0.981	999.5	100.0	100.0	91.3	84.6	75.5	65.3	37.2	24.4	19.1
22PC-761.3-762.4-SC	2/8/05	758.4	0.981	743.7	100.0	100.0	74.0	61.0	49.2	37.2	22.2	16.5	13.9
22PC-762.4-762.8-SC	2/8/05	677.0	0.971	657.4	100.0	100.0	98.1	87.3	72.4	60.8	42.9	33.4	28.6

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PA

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PA-2.50-5.00-D	7/24/06	507.1	0.990	501.9	100.0	100.0	97.8	95.7	91.0	85.3	67.1	24.7	10.4
24PA-7.50-10.00-D	7/24/06	687.1	0.985	677.1	100.0	100.0	100.0	95.4	80.5	64.4	36.7	11.6	6.0
24PA-12.50-15.00-D	7/24/06	939.9	0.988	928.3	100.0	100.0	100.0	81.1	62.8	50.3	27.6	8.6	5.0
24PA-17.50-20.00-D	7/24/06	930.4	0.989	920.5	100.0	100.0	100.0	86.3	69.5	54.3	29.8	11.8	6.8
24PA-22.50-25.00-D	7/24/06	428.0	0.991	423.9	100.0	100.0	100.0	94.7	88.6	82.7	64.9	18.9	7.7
24PA-27.50-30.00-D	7/25/06	601.5	0.991	596.1	100.0	100.0	100.0	88.7	73.2	58.6	32.4	15.4	10.2
24PA-32.50-35.00-D	7/25/06	758.9	0.989	750.7	100.0	100.0	100.0	91.4	73.2	52.4	23.9	10.1	7.0
24PA-37.50-40.00-D	7/25/06	718.5	0.990	711.4	100.0	100.0	100.0	96.1	88.2	80.0	56.0	19.5	9.4
24PA-42.50-45.00-D	7/25/06	654.6	0.993	650.2	100.0	100.0	100.0	89.2	76.6	59.4	30.6	11.7	7.2
24PA-47.50-50.00-D	7/25/06	912.7	0.992	905.2	100.0	100.0	100.0	92.7	89.4	85.5	65.8	14.3	7.3
24PA-52.50-55.00-D	7/26/06	691.0	0.989	683.5	100.0	100.0	100.0	90.5	80.4	65.1	34.8	12.7	6.5
24PA-57.50-60.00-D	7/26/06	887.4	0.985	874.1	100.0	100.0	97.3	73.1	35.5	20.7	13.3	5.6	2.5
24PA-62.50-65.00-D	7/26/06	957.5	0.984	942.1	100.0	100.0	100.0	80.3	64.7	50.0	31.4	13.4	7.2
24PA-67.50-70.00-D	7/26/06	1188.8	0.976	1160.2	100.0	100.0	88.0	62.1	42.5	27.5	14.7	7.0	4.0
24PA-72.50-75.00-D	7/26/06	824.3	0.987	813.8	100.0	100.0	97.1	72.0	51.0	29.8	10.0	3.2	1.8
24PA-77.50-80.00-D	7/27/06	645.6	0.976	630.1	100.0	100.0	96.3	82.2	64.4	47.9	30.2	10.4	4.7
24PA-82.50-85.00-D	7/27/06	666.1	0.983	655.1	100.0	100.0	88.5	59.7	37.1	21.1	8.4	2.3	1.2
24PA-87.50-90.00-D	7/27/06	786.0	0.981	770.7	100.0	100.0	91.4	70.6	55.2	41.2	22.8	8.6	5.2
24PA-92.50-95.00-D	7/27/06	967.1	0.986	953.3	100.0	100.0	89.2	68.8	53.4	36.8	16.4	6.6	3.8
24PA-97.50-100.00-D	7/27/06	579.3	0.986	571.2	100.0	100.0	96.0	81.8	60.1	40.9	16.3	7.5	5.2
24PA-102.50-105.00-D	7/28/06	788.2	0.992	781.7	100.0	100.0	89.9	72.7	56.8	39.5	18.5	9.0	5.8

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PA

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PA-107.50-110.00-D	7/28/06	838.1	0.978	819.4	100.0	100.0	95.8	78.9	65.6	47.1	19.3	9.2	6.4
24PA-112.50-115.00-D	7/28/06	801.8	0.979	785.4	100.0	100.0	100.0	81.5	59.2	38.5	17.2	7.4	4.5
24PA-117.50-120.00-D	7/28/06	798.9	0.981	784.0	100.0	100.0	96.0	82.6	67.9	43.5	18.9	8.0	5.4
24PA-122.50-125.00-D	7/28/06	720.7	0.970	699.1	100.0	100.0	95.2	81.9	72.6	61.2	35.1	12.1	7.0
24PA-127.50-130.00-D	7/29/06	707.8	0.987	698.7	100.0	100.0	94.5	84.0	69.0	47.8	18.5	7.2	4.0
24PA-132.50-135.00-D	7/29/06	627.3	0.984	617.0	100.0	100.0	92.6	76.2	64.4	49.4	22.9	7.1	3.1
24PA-137.50-140.00-D	7/29/06	513.0	0.989	507.5	100.0	100.0	87.7	65.5	49.0	33.6	14.1	4.8	2.6
24PA-142.50-145.00-D	7/29/06	739.6	0.985	728.6	100.0	100.0	87.4	70.3	53.3	36.5	13.5	3.9	2.0
24PA-147.50-150.00-D	7/29/06	882.7	0.981	866.3	100.0	100.0	88.6	68.2	50.5	32.5	14.0	6.0	3.8

Nuclear Waste Repository Project Office

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-2.50-5.00-D	2/23/06	726.5	0.974	707.8	100.0	100.0	100.0	97.2	83.7	66.9	35.6	7.4	3.4
24PB-7.50-10.00-D	2/23/06	492.9	0.980	483.0	100.0	100.0	100.0	92.2	77.2	63.9	41.3	13.7	7.5
24PB-12.50-15.00-D	2/23/06	464.6	0.984	457.2	100.0	100.0	100.0	86.8	70.7	59.4	36.8	10.5	5.4
24PB-17.50-20.00-D	2/23/06	519.5	0.986	512.4	100.0	100.0	98.4	81.6	63.4	51.1	32.2	6.6	3.9
24PB-22.50-25.00-D	2/23/06	574.5	0.971	558.0	100.0	100.0	100.0	96.0	82.5	66.2	36.5	12.2	8.0
24PB-27.50-30.00-D	2/23/06	608.2	0.987	600.2	100.0	100.0	100.0	90.2	72.9	58.1	33.6	10.6	6.1
24PB-32.50-35.00-D	2/23/06	609.4	0.984	599.6	100.0	100.0	100.0	89.8	75.1	59.5	33.5	11.2	8.0
24PB-37.50-40.00-D	2/23/06	535.8	0.992	531.4	100.0	100.0	100.0	83.0	68.5	62.2	45.9	13.7	6.4
24PB-42.50-45.00-D	2/23/06	553.1	0.994	549.8	100.0	100.0	100.0	83.8	62.4	45.9	26.3	9.3	5.3
24PB-47.50-50.00-D	2/23/06	388.3	0.987	383.2	100.0	100.0	100.0	83.9	71.7	65.1	51.7	11.9	5.3
24PB-52.50-55.00-D	2/24/06	400.5	0.996	399.0	100.0	100.0	100.0	66.9	26.6	13.1	6.0	2.4	1.3
24PB-57.50-60.00-D	2/24/06	477.7	0.993	474.2	100.0	100.0	100.0	79.2	68.3	60.6	43.9	14.3	6.2
24PB-62.50-65.00-D	2/24/06	738.0	0.994	733.7	100.0	100.0	100.0	82.4	52.8	33.0	17.5	9.0	5.2
24PB-67.50-70.00-D	2/24/06	978.6	0.995	973.8	100.0	100.0	100.0	80.0	51.8	29.2	12.9	7.1	4.9
24PB-72.50-75.00-D	2/24/06	799.8	0.994	795.4	100.0	100.0	100.0	79.9	54.8	34.1	15.6	8.1	5.5
24PB-77.50-80.00-D	2/24/06	652.8	0.989	645.4	100.0	100.0	100.0	89.0	68.0	52.7	28.0	11.2	7.0
24PB-82.50-85.00-D	2/24/06	655.0	0.991	649.4	100.0	100.0	100.0	85.6	61.8	46.3	27.9	9.0	5.7
24PB-87.50-90.00-D	2/24/06	626.2	0.993	621.5	100.0	100.0	100.0	71.3	43.2	28.8	15.0	5.1	2.8
24PB-92.50-95.00-D	2/24/06	693.7	0.993	689.1	100.0	100.0	100.0	78.2	50.6	34.1	18.6	8.4	4.7
24PB-97.50-100.00-D	2/24/06	596.5	0.995	593.4	100.0	100.0	100.0	77.6	59.0	40.8	19.2	10.8	7.5
24PB-102.50-105.00-D	2/27/06	624.9	0.994	621.4	100.0	100.0	100.0	72.4	44.2	27.1	11.7	5.9	3.9

Nuclear Waste Repository Project Office

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-107.50-110.00-D	2/27/06	698.4	0.990	691.2	100.0	100.0	100.0	89.7	67.1	44.0	21.7	11.9	8.3
24PB-112.50-115.00-D	2/27/06	582.1	0.989	575.7	100.0	100.0	100.0	84.7	63.2	42.7	21.1	10.8	6.9
24PB-117.50-120.00-D	2/27/06	878.9	0.985	865.6	100.0	100.0	100.0	87.9	67.9	47.2	23.0	11.7	7.9
24PB-122.50-125.00-D	2/27/06	708.3	0.979	693.4	100.0	100.0	100.0	94.3	72.4	52.1	29.6	15.5	9.6
24PB-127.50-130.00-D	2/27/06	560.8	0.985	552.6	100.0	100.0	100.0	83.8	53.5	36.4	15.6	7.2	4.7
24PB-132.50-135.00-D	2/27/06	511.7	0.980	501.7	100.0	100.0	100.0	86.5	66.9	50.3	30.6	14.5	8.3
24PB-137.50-140.00-D	2/27/06	422.2	0.986	416.4	100.0	100.0	100.0	78.4	44.7	21.8	4.3	2.2	1.7
24PB-142.50-145.00-D	2/27/06	469.5	0.987	463.4	100.0	100.0	97.9	70.0	41.3	25.9	10.1	3.4	2.1
24PB-147.50-150.00-D	2/27/06	574.2	0.980	563.0	100.0	100.0	100.0	80.2	58.2	38.3	15.8	7.5	5.1
24PB-152.50-155.00-D	2/28/06	463.4	0.981	454.7	100.0	100.0	100.0	78.2	57.0	37.5	15.1	7.1	4.8
24PB-157.50-160.00-D	2/28/06	790.2	0.976	771.4	100.0	100.0	100.0	85.3	65.2	46.1	20.9	10.1	6.8
24PB-162.50-165.00-D	2/28/06	763.6	0.975	744.3	100.0	100.0	100.0	87.5	68.8	48.0	21.3	10.2	6.4
24PB-167.50-170.00-D	2/28/06	603.2	0.976	588.7	100.0	100.0	100.0	83.6	59.6	42.4	22.4	10.1	6.4
24PB-172.50-175.00-D	2/28/06	808.1	0.973	786.0	100.0	100.0	100.0	87.8	69.0	47.3	24.9	13.3	9.1
24PB-177.50-180.00-D	2/28/06	535.6	0.980	524.6	100.0	100.0	100.0	75.0	44.9	24.9	9.3	4.7	3.3
24PB-182.50-185.00-D	2/28/06	765.9	0.984	753.6	100.0	100.0	100.0	89.0	61.1	38.3	20.3	10.0	6.0
24PB-187.50-190.00-D	2/28/06	673.7	0.979	659.7	100.0	100.0	100.0	84.9	63.9	41.6	18.1	9.0	6.6
24PB-192.50-195.00-D	2/28/06	533.8	0.973	519.3	100.0	100.0	100.0	81.5	59.9	38.1	15.6	7.5	5.1
24PB-197.50-200.00-D	2/28/06	395.4	0.978	386.5	100.0	100.0	100.0	63.5	25.5	11.3	5.0	3.2	2.4
24PB-202.50-205.00-D	3/1/06	622.7	0.982	611.6	100.0	100.0	100.0	82.3	64.1	45.0	23.1	10.3	6.4
24PB-207.50-210.00-D	3/1/06	532.7	0.986	525.0	100.0	100.0	100.0	79.0	50.8	28.8	9.0	4.6	3.5

Nuclear Waste Repository Project Office

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-212.50-215.00-D	3/1/06	450.8	0.991	446.5	100.0	100.0	100.0	61.1	21.2	5.8	4.2	2.7	2.0
24PB-217.50-220.00-D	3/1/06	840.5	0.978	821.6	100.0	100.0	100.0	84.5	69.4	49.1	20.4	8.4	6.4
24PB-222.50-225.00-D	3/1/06	388.9	0.980	381.0	100.0	100.0	100.0	97.5	93.7	88.2	47.6	11.2	6.0
24PB-227.50-230.00-D	3/1/06	542.2	0.972	526.8	100.0	100.0	100.0	91.8	77.7	65.7	38.2	10.8	5.7
24PB-232.50-235.00-D	3/1/06	468.1	0.974	455.9	100.0	100.0	100.0	94.9	84.8	72.1	42.6	15.2	9.3
24PB-237.50-240.00-D	3/1/06	508.1	0.986	500.8	100.0	100.0	100.0	83.7	64.2	46.4	24.0	12.3	8.4
24PB-242.50-245.00-D	3/1/06	347.4	0.988	343.1	100.0	100.0	100.0	82.5	59.2	45.6	29.3	12.6	8.4
24PB-247.50-250.00-D	3/1/06	660.2	0.977	645.0	100.0	100.0	100.0	90.5	70.6	52.8	27.1	15.1	10.9
24PB-252.50-255.00-D	3/2/06	666.0	0.983	655.0	100.0	100.0	100.0	86.2	67.9	47.1	23.8	14.0	10.4
24PB-257.50-260.00-D	3/2/06	419.0	0.981	411.1	100.0	100.0	100.0	91.5	81.1	74.0	54.2	18.2	12.3
24PB-262.50-265.00-D	3/2/06	662.2	0.984	651.6	100.0	100.0	100.0	83.5	64.5	51.5	33.6	18.5	12.3
24PB-267.50-270.00-D	3/2/06	541.5	0.968	524.2	100.0	100.0	100.0	98.0	93.1	89.1	57.6	25.2	16.9
24PB-272.50-275.00-D	3/2/06	485.3	0.963	467.4	100.0	100.0	100.0	96.2	88.2	80.9	60.4	36.5	25.6
24PB-277.50-280.00-D	3/2/06	397.4	0.984	391.1	100.0	100.0	100.0	87.9	75.1	64.0	39.5	23.2	18.4
24PB-282.50-285.00-D	3/2/06	631.6	0.980	618.9	100.0	100.0	100.0	85.3	68.7	52.5	28.4	15.2	10.9
24PB-287.50-290.00-D	3/2/06	457.2	0.985	450.2	100.0	100.0	100.0	83.8	67.3	53.3	29.3	16.1	11.4
24PB-292.50-295.00-D	3/2/06	570.0	0.978	557.4	100.0	100.0	100.0	92.1	72.5	55.3	30.8	18.3	13.8
24PB-297.50-300.00-D	3/2/06	532.2	0.982	522.6	100.0	100.0	100.0	94.7	77.7	58.0	26.1	14.5	10.8
24PB-302.50-305.00-D	3/7/06	657.5	0.969	637.4	100.0	100.0	100.0	95.4	80.0	62.5	25.7	12.9	9.5
24PB-307.50-310.00-D	3/7/06	646.1	0.975	630.2	100.0	100.0	100.0	92.7	76.7	57.8	26.4	15.2	11.3
24PB-312.50-315.00-D	3/7/06	937.6	0.977	915.8	100.0	100.0	100.0	91.4	72.0	52.3	21.0	11.8	8.3

Nuclear Waste Repository Project Office

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-317.50-320.00-D	3/7/06	634.8	0.942	598.1	100.0	100.0	100.0	96.3	88.1	79.1	59.2	44.4	33.8
24PB-322.50-325.00-D	3/7/06	921.4	0.972	896.0	100.0	100.0	100.0	87.5	70.2	55.3	36.8	25.0	16.7
24PB-327.50-330.00-D	3/7/06	919.1	0.972	893.3	100.0	100.0	100.0	90.8	77.4	62.8	40.3	28.1	20.3
24PB-332.50-335.00-D	3/7/06	749.6	0.978	732.9	100.0	100.0	100.0	91.1	69.5	53.5	37.5	25.0	17.9
24PB-337.50-340.00-D	3/7/06	614.4	0.982	603.3	100.0	100.0	100.0	90.3	74.9	57.8	35.6	22.8	14.3
24PB-342.50-345.00-D	3/7/06	558.1	0.980	546.8	100.0	100.0	100.0	91.1	76.3	59.7	37.2	24.9	17.5
24PB-347.50-350.00-D	3/7/06	483.3	0.985	476.2	100.0	100.0	100.0	95.2	78.0	58.2	34.3	23.5	16.5
24PB-352.50-355.00-D	3/8/06	635.7	0.989	628.8	100.0	100.0	100.0	93.4	77.8	59.0	33.8	21.8	15.2
24PB-357.50-360.00-D	3/8/06	452.3	0.990	447.9	100.0	100.0	100.0	84.7	66.8	49.4	29.8	18.9	12.0
24PB-362.50-365.00-D	3/8/06	599.0	0.990	592.8	100.0	100.0	100.0	92.3	76.3	54.8	32.4	21.8	15.2
24PB-367.50-370.00-D	3/8/06	718.7	0.988	710.0	100.0	100.0	100.0	93.3	75.7	55.0	32.5	22.2	15.5
24PB-372.50-375.00-D	3/8/06	521.0	0.989	515.0	100.0	100.0	100.0	93.2	77.6	56.9	35.7	25.1	17.9
24PB-377.50-380.00-D	3/8/06	793.3	0.986	782.3	100.0	100.0	100.0	95.9	82.6	62.4	36.2	23.2	15.8
24PB-382.50-385.00-D	3/8/06	605.5	0.987	597.4	100.0	100.0	100.0	94.9	84.8	69.1	43.1	28.8	21.5
24PB-387.50-390.00-D	3/8/06	714.6	0.985	703.7	100.0	100.0	100.0	96.2	83.5	65.1	40.2	26.8	19.0
24PB-392.50-395.00-D	3/8/06	860.9	0.980	843.6	100.0	100.0	100.0	96.2	81.4	63.2	39.1	25.5	18.2
24PB-397.50-400.00-D	3/8/06	604.8	0.979	592.3	100.0	100.0	100.0	94.9	76.7	56.2	32.3	21.0	15.1
24PB-402.50-405.00-D	3/8/06	678.7	0.957	649.4	100.0	100.0	100.0	95.6	78.8	57.3	30.4	17.8	13.0

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-32P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
32P-2.50-5.00-D	5/10/06	353.6	0.997	352.4	100.0	100.0	93.2	87.9	77.0	62.3	26.8	8.7	4.6
32P-7.50-10.00-D	5/10/06	670.8	0.995	667.5	100.0	100.0	100.0	82.6	61.7	41.0	18.9	5.5	3.2
32P-12.50-15.00-D	5/10/06	510.4	0.992	506.6	100.0	100.0	100.0	88.6	75.1	62.2	41.7	11.4	6.3
32P-17.50-20.00-D	5/10/06	548.2	0.989	542.2	100.0	100.0	100.0	89.6	80.2	69.2	47.0	23.1	16.2
32P-22.50-25.00-D	5/10/06	434.6	0.993	431.6	100.0	100.0	100.0	91.4	74.5	61.1	35.1	12.5	6.6
32P-27.50-30.00-D	5/10/06	428.2	0.995	426.0	100.0	100.0	100.0	80.3	62.7	50.4	32.0	8.5	4.7
32P-32.50-35.00-D	5/10/06	544.1	0.995	541.6	100.0	100.0	100.0	85.0	66.4	46.3	20.8	9.0	6.5
32P-37.50-40.00-D	5/10/06	568.4	0.986	560.6	100.0	100.0	100.0	83.3	64.3	51.5	34.1	17.7	11.6
32P-42.50-45.00-D	5/10/06	628.6	0.993	624.4	100.0	100.0	100.0	93.3	85.6	75.4	54.7	22.4	13.5
32P-47.50-50.00-D	5/10/06	610.6	0.992	605.8	100.0	100.0	100.0	90.8	76.8	54.0	21.2	7.5	4.5
32P-52.50-55.00-D	5/11/06	711.4	0.992	706.0	100.0	100.0	100.0	90.8	75.3	57.1	31.0	13.6	9.5
32P-57.50-60.00-D	5/11/06	675.9	0.991	670.1	100.0	100.0	100.0	85.4	65.7	40.9	12.7	6.5	4.7
32P-62.50-65.00-D	5/11/06	820.7	0.990	812.3	100.0	100.0	100.0	90.4	81.7	71.8	41.0	6.7	3.7
32P-67.50-70.00-D	5/11/06	1121.8	0.982	1102.1	100.0	100.0	100.0	88.5	70.6	54.8	31.6	11.7	7.1
32P-72.50-75.00-D	5/11/06	1222.4	0.978	1195.4	100.0	100.0	100.0	90.6	78.5	65.0	40.7	16.7	11.5
32P-77.50-80.00-D	5/11/06	1086.0	0.987	1071.6	100.0	100.0	100.0	90.1	77.4	63.0	34.8	11.7	7.6
32P-82.50-85.00-D	5/11/06	1107.2	0.985	1090.4	100.0	100.0	100.0	88.3	70.0	53.7	28.2	13.9	10.1
32P-87.50-90.00-D	5/11/06	1227.2	0.985	1208.3	100.0	100.0	100.0	83.6	65.0	51.9	31.9	11.8	7.6
32P-92.50-95.00-D	5/11/06	978.3	0.989	967.7	100.0	100.0	100.0	82.4	57.7	39.8	19.6	7.8	5.4
32P-97.50-100.00-D	5/11/06	801.0	0.987	790.3	100.0	100.0	100.0	79.3	56.2	40.6	19.1	6.9	4.7
32P-102.50-105.00-D	5/12/06	1186.6	0.971	1151.7	100.0	100.0	100.0	93.2	80.9	66.9	43.1	19.7	13.0

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-32P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
32P-107.50-110.00-D	5/12/06	837.2	0.976	816.8	100.0	100.0	100.0	77.0	56.2	36.5	14.1	5.4	3.5
32P-112.50-115.00-D	5/12/06	878.4	0.964	847.1	100.0	100.0	100.0	90.7	75.9	63.9	38.6	11.6	7.2
32P-117.50-120.00-D	5/12/06	1086.4	0.965	1048.4	100.0	100.0	100.0	93.5	85.1	75.1	48.2	22.4	13.5
32P-122.50-125.00-D	5/12/06	1061.0	0.967	1025.7	100.0	100.0	100.0	93.8	84.0	72.7	37.8	15.0	9.2
32P-127.50-130.00-D	5/12/06	1144.9	0.962	1100.9	100.0	100.0	100.0	90.1	77.2	64.4	35.4	11.9	6.8
32P-132.50-135.00-D	5/12/06	946.3	0.981	928.1	100.0	100.0	100.0	73.5	46.5	29.9	12.5	4.6	2.5
32P-137.50-140.00-D	5/12/06	836.5	0.977	817.0	100.0	100.0	100.0	81.9	60.0	40.7	19.3	7.4	4.2
32P-142.50-145.00-D	5/12/06	1296.7	0.962	1247.7	100.0	100.0	100.0	90.3	75.6	60.1	35.8	18.7	13.2
32P-147.50-150.00-D	5/12/06	1238.2	0.975	1207.8	100.0	100.0	100.0	90.5	78.5	61.1	31.4	12.2	8.3
32P-152.50-155.00-D	5/15/06	1138.4	0.978	1113.0	100.0	100.0	100.0	88.7	73.4	58.6	32.8	15.4	9.9
32P-157.50-160.00-D	5/15/06	1114.9	0.972	1083.9	100.0	100.0	100.0	91.5	84.8	75.5	45.3	17.6	9.9
32P-162.50-165.00-D	5/15/06	901.0	0.978	881.1	100.0	100.0	100.0	81.6	60.9	43.4	24.1	8.4	4.7
32P-167.50-170.00-D	5/15/06	1123.2	0.971	1091.1	100.0	100.0	100.0	89.6	75.1	59.9	33.0	15.5	9.9
32P-172.50-175.00-D	5/15/06	1009.2	0.976	985.0	100.0	100.0	100.0	91.1	76.8	59.7	32.4	15.2	10.3
32P-177.50-180.00-D	5/15/06	1174.2	0.980	1150.8	100.0	100.0	100.0	85.1	66.9	45.3	17.7	7.7	5.0
32P-182.50-185.00-D	5/15/06	873.1	0.987	862.0	100.0	100.0	100.0	83.7	57.4	38.3	17.4	9.9	7.2
32P-187.50-190.00-D	5/15/06	1107.2	0.978	1082.4	100.0	100.0	100.0	92.0	73.9	54.6	27.1	10.8	7.5
32P-192.50-195.00-D	5/15/06	685.9	0.969	665.0	100.0	100.0	100.0	92.1	80.5	64.5	35.2	19.0	14.0
32P-197.50-200.00-D	5/15/06	1150.3	0.973	1118.9	100.0	100.0	100.0	87.8	77.5	63.2	36.7	17.8	12.5
32P-202.50-205.00-D	5/16/06	722.7	0.957	691.4	100.0	100.0	100.0	92.2	83.3	72.1	46.9	21.0	14.2
32P-207.50-210.00-D	5/16/06	1001.8	0.970	972.2	100.0	100.0	100.0	89.6	76.2	64.0	37.9	17.9	12.5

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Wet Sieve Particle Size Analysis

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Cuttings samples from NC-EWDP-32P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
32P-212.50-215.00-D	5/16/06	794.1	0.969	769.8	100.0	100.0	100.0	92.7	79.9	63.9	35.5	16.1	10.7
32P-217.50-220.00-D	5/16/06	869.3	0.969	842.3	100.0	100.0	100.0	86.1	71.8	59.3	34.2	16.2	10.8
32P-222.50-225.00-D	5/16/06	1050.9	0.978	1027.8	100.0	100.0	100.0	79.2	50.7	29.3	10.7	5.4	3.7
32P-227.50-230.00-D	5/17/06	1084.6	0.969	1051.5	100.0	100.0	100.0	92.1	80.2	65.6	33.4	17.2	13.1
32P-232.50-235.00-D	5/17/06	920.0	0.965	888.1	100.0	100.0	100.0	87.3	73.6	59.2	33.9	16.0	11.7
32P-237.50-240.00-D	5/17/06	1112.2	0.968	1076.6	100.0	100.0	100.0	91.0	76.1	59.3	29.8	15.1	11.6
32P-242.50-245.00-D	5/17/06	683.2	0.976	666.9	100.0	100.0	100.0	87.3	69.0	53.1	19.4	7.2	5.7
32P-247.50-250.00-D	5/17/06	998.9	0.967	966.1	100.0	100.0	100.0	93.1	81.8	61.1	18.3	9.6	7.8
32P-252.50-255.00-D	5/17/06	721.8	0.977	704.9	100.0	100.0	100.0	91.0	69.6	46.7	16.4	10.1	8.2
32P-257.50-260.00-D	5/17/06	810.8	0.975	790.5	100.0	100.0	100.0	91.4	71.2	45.8	18.7	10.0	8.2
32P-730.00-730.10-D	11/1/06	582.1	0.980	570.4	100.0	100.0	100.0	98.4	89.5	66.4	34.1	24.7	20.8
32P-730.10-732.50-D	11/16/06	635.2	0.830	527.3	100.0	100.0	100.0	99.3	87.5	60.9	22.2	8.7	4.0
32P-750.00-750.10-D	11/1/06	182.0	0.725	131.9	100.0	100.0	100.0	100.0	91.8	75.1	56.0	36.9	28.6
32P-770.00-770.10-D	11/1/06	842.5	0.956	805.5	100.0	100.0	100.0	100.0	100.0	99.4	97.5	94.3	83.5
32P-790.00-790.10-D	11/3/06	296.3	0.839	248.7	100.0	100.0	100.0	97.8	92.1	85.4	76.6	56.3	42.5
32P-810.00-810.10-D	11/3/06	301.1	0.775	233.5	100.0	100.0	100.0	100.0	94.6	89.8	74.3	47.1	26.7
32P-830.00-830.10-D	11/3/06	243.3	0.834	203.0	100.0	100.0	100.0	97.2	96.4	92.0	77.2	51.9	30.2
32P-850.00-850.10-D	11/8/06	647.5	0.855	553.4	100.0	100.0	100.0	95.0	86.8	77.0	54.5	27.1	9.7
32P-870.00-870.10-D	11/8/06	674.4	0.934	629.6	100.0	100.0	100.0	100.0	97.7	90.4	72.3	52.7	36.9
32P-890.00-890.10-D	11/8/06	729.5	0.854	623.3	100.0	100.0	100.0	100.0	100.0	99.4	94.3	61.6	37.0
32P-910.00-910.10-D	11/13/06	1991.7	0.811	1614.9	100.0	100.0	100.0	100.0	98.4	95.5	77.7	25.0	6.4

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Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-32P

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
32P-930.00-930.10-D	11/13/06	415.1	0.616	255.6	100.0	100.0	100.0	100.0	96.4	86.5	69.7	32.4	9.9
32P-950.00-950.10-D	11/13/06	377.9	0.714	269.8	100.0	100.0	100.0	100.0	100.0	98.4	95.5	90.7	87.3
32P-970.00-970.10-D	11/16/06	375.9	0.615	231.3	100.0	100.0	100.0	100.0	94.6	75.4	52.1	39.6	26.1
32P-990.00-990.10-D	11/16/06	455.5	0.978	445.6	100.0	100.0	100.0	99.3	83.5	43.2	32.6	25.0	20.5

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Wet Sieve Censoring Report

Test ID	Sample Number	Test Date	Sample Weight	Initials	Reasons for Censoring
50	32P-247.50-250.00-D	5/17/06	998.90	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
51	32P-252.50-255.00-D	5/17/06	721.80	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
52	32P-257.50-260.00-D	5/17/06	810.80	☑	Special precautions to collect fines were not taken during sampling; samples are not considered representative.
64	32P-950.00-950.10-D	11/13/06	377.90	☑	Indurated non-alluvium sample; test should not have been performed.
65	32P-970.00-970.10-D	11/16/06	375.90	☑	Indurated non-alluvium sample; test should not have been performed.
66	32P-990.00-990.10-D	11/16/06	455.50	☑	Indurated non-alluvium sample; test should not have been performed.

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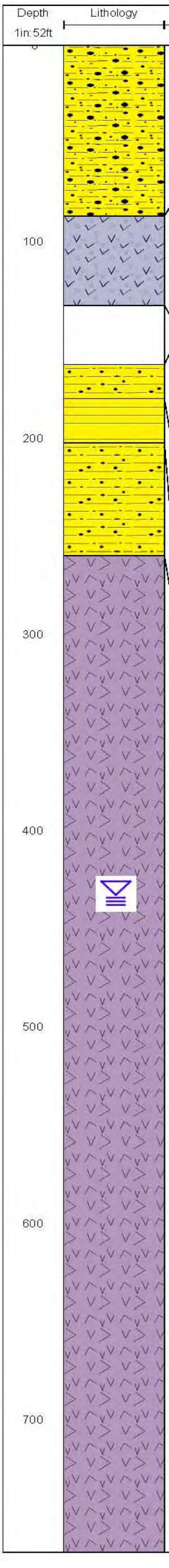
Summary Lithologic Log for NC-EWDP-13P



Description

(0 to 87 feet [ft]) WELL-GRADED SAND WITH SILT AND GRAVEL (SW-SM):
Interval consists of well-graded sand with silt and gravel (SW-SM) and two layers of silty sand with gravel (SM) from 17.5 to 20 ft and 72.5 to 75 ft. Unit generally becomes finer with depth. Fines within the unit are nonplastic. Gravel clasts are volcanic in origin and angular to subangular. Sediment color ranges from light brownish gray (5YR 6/1) to brownish gray (5YR 4/1) and moderate brown (5YR 4/4) from 0 to 27.5 ft, and from grayish brown (5YR 3/2) to pale brown (5YR 5/2) from 27.5 to 62.5 ft, and pale yellowish brown (10YR 6/2) to dark yellowish brown (10YR 2/2) from 62.5 to 87 ft. No cementation was observed. Sediments react strongly to 10% hydrochloric acid (HCl). All samples were dry.

(87 to 132.5 ft) BASALT (YOUNGER TERTIARY BASALT OF CRATER FLAT [Tby]):
Two basalt lava flows compose this interval. The upper flow extends from 87 to 107.5 ft and the lower flow extends from 107.5 to 132.5 ft. Vesicular textures were observed from 87 to 97 ft, 110 to 122.5 ft, and 130 to 132.5 ft. The lower section of the lower flow from 132.5 to 140 ft was not recovered during drilling as a result of encountering an apparent void from 132.5 to 135 ft. The basalt unit is only slightly to moderately weathered from 87 to 100 ft and from 110 to 120 ft, and is highly weathered from 105 to 110 ft, at the contact between the two flows. The basalt is black (N 1) in color. The upper flow (87 to 105 ft) has 5 to 8% altered mafic minerals that are light brown (5YR 5/6) and up to 1.5 millimeters (mm) in length. The lower flow (107.5 to 132.5 ft) has 1 to 2% altered light brown (5YR 5/6) to dark greenish yellow (10Y 6/6) olivine phenocrysts up to 2 mm in diameter. Samples from 87.5 to 90 ft and 102.5 to 105 ft react strongly to 10% HCl, and samples from the vesicular zones react weakly. The massive cores of the basalt flows from 97.5 to 102.5 ft and from 122.5 to 130 ft display no reaction to 10% HCl. The lower contact with the underlying alluvium is indeterminate due to lost circulation/no recovery from 132.5 to 162.5 ft. All samples were dry.

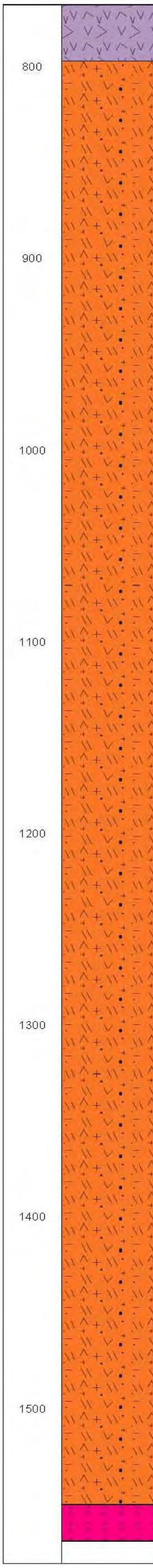
(132.5 to 162.5 ft) NO RECOVERY
132.5 TO 140 ft (BASALT) Interpreted from natural gamma and density logs.
140 TO 162.5 ft (ALLUVIUM) Interpreted from natural gamma and density logs.

(162.5 to 180 ft) SILTY SAND WITH GRAVEL (SM):
Interval consists of a thick layer of silty sand with gravel (SM). Fines are nonplastic from 162.5 to 170 ft, have low plasticity from 170 to 175 ft, moderate plasticity from 175 to 177.5 ft, and are highly plastic from 177.5 to 180 ft. Gravel clasts consist predominantly of rounded fragments of weakly indurated reactive sandstone, and lesser subrounded clasts derived from welded tuff lithologies. Sediment color is a uniform moderate yellowish brown (10YR 5/4), with local zones of dark yellowish orange (10YR 6/6) from 167.5 to 172.5 ft and from 175 to 180 ft. Sediments are noncemented, although some gravel clasts are coated with caliche. Sediments react strongly to 10% HCl. All samples were dry.

(180 to 202.5 ft) SANDY LEAN CLAY (CL):
Unit is primarily a sandy lean clay (CL), becoming more clay-rich and gravel-poor with depth. A sandy fat clay (CH) is present below 197.5 ft. Fines are generally highly plastic, except in the uppermost interval from 180 to 182.5 ft where the fines have moderate plasticity. Gravel clasts consist predominantly of rounded fragments of weakly cemented and HCl reactive sandstone from 180 to 200 ft, and 100% subrounded volcanic clasts from 200 to 202.5 ft. Sediment color is primarily a moderate yellowish brown (10YR 5/4) with local zones of grayish orange (10YR 7/4) from 190 to 192.5 ft, and dark yellowish orange (10YR 6/6) from 192.5 to 195 ft and 200 to 202.5 ft. Sediments are noncemented and react strongly to 10% HCl. All samples were dry.

(202.5 to 260 ft) SILTY SAND WITH GRAVEL (SM):
Interval consists of a thick sequence of silty sand with gravel (SM) with local thin layers of well-graded sand with silt and gravel (SW-SM) from 202.5 to 207.5 ft and poorly graded sand with silt and gravel (SP-SM) from 247.5 to 250 ft. Fines in the interval generally have low plasticity, except for intervals of moderate plasticity from 210 to 215 ft and 225 to 227.5 ft. Fines in the lowermost section from 245 to 260 ft are nonplastic. Gravel clasts are subangular to subrounded and consist predominantly of volcanic clasts except the interval from 250 to 260 ft where subrounded sandstone clasts predominate. Sediment color is predominantly moderate yellowish brown (10YR 5/4) with sections of grayish orange (10YR 7/4) from 205 to 207.5 ft, and pale yellowish brown (10YR 6/2) from 207.5 to 212.5 ft, 225 to 227.5 ft, and 250 to 260 ft. Sediments are non-cemented and react strongly to 10% HCl. All samples were dry.

(260 to 797 ft) REWORKED TUFFS AND RELATED VOLCANICLASTIC ROCKS (Tvy):
Entire interval is a sequence of interbedded reworked tuffs and volcaniclastic sandstones and claystones. Sequence is generally weakly to strongly weathered and clayey (argillic). Sequence likely represents deposition of ash-fall tuffs into a shallow subaqueous (lacustrine or playa) environment, with breaks in volcanic activity represented by deposition of volcanic-source detritus forming sandstones and claystones.
260 to 297.5 ft (REWORKED TUFF): Tuff color is moderate yellowish brown (10YR 5/4) from 260 to 285 ft, changing to pale yellowish brown (10YR 6/2) from 285 to 297.5 ft. Tuff is nonwelded, devitrified and highly weathered, with an open/porous matrix. The tuff contains three different types of coarse (greater than 10 mm) caliche-coated lithic clasts. From 280 to 290 ft the tuff also contains faint laminated grayish orange (10YR 7/4) claystone, probably derived from ash. Samples react strongly to 10% HCl and all samples were dry. Unit may represent reworking of underlying ash-fall tuff.
297.5 to 422 ft (REWORKED ASH-FALL TUFF): Tuff unit color is dark yellowish orange (10YR 6/6) from 297.5 to 380 ft, light brown (5YR 6/4) from 380 to 395 ft, and pale grayish brown (5YR 4/2) from 395 to 422 ft. A distinct light brownish gray (5YR 6/1) reworked ash-fall tuff occurs from 365 to 375 ft. Tuff is nonwelded and devitrified, with an open/porous matrix. Tuff is highly weathered from 297.5 to 345 ft, moderately weathered from 345 to 350 ft, weakly weathered from 350 to 390 ft, and moderately weathered from 390 to 422 ft. Tuff contains 2 to 10% very pale orange (10YR 8/2) altered pumice clasts ranging in size from 3 to 20 mm from 340 to 400 ft, 2 to 5% grayish orange (10YR 7/4) pumice clasts 2 to 10 mm in size from 400 to 422 ft, and 1 to 2% dusky red (10R 2/2) lithic clasts that range from 1 to 4 mm in size from 297.5 to 380 ft. Samples react strongly to 10% HCl from 297.5 to 345 ft, and weakly from 345 to 350 ft, 360 to 365 ft, 375 to 380 ft, and 410 to 422 ft. Other intervals exhibit no reaction. Samples were dry from 297.5 to 310 ft, moist from 310 to 325 ft, dry from 325 to 385 ft, and moist from 385 to 422 ft.
422 to 550 ft (REWORKED TUFF): Unit is light brown (5YR 5/6) from 422 to 445 ft, moderate yellowish brown (10YR 5/4) from 445 to 510 ft, pale yellowish brown (10YR 6/2) from 510 to 530 ft, and moderate yellowish brown (10YR 5/4) from 530 to 550 ft. Tuff is nonwelded and devitrified and has an open/porous matrix. Tuff contains 1 to 10% light gray (N 7) pumice clasts that range in size from 2 to 12 mm and 2 to 10% light gray (N 7) lithic clasts that range from 2 to 10 mm in diameter. From 510 to 530 ft the unit contains a less weathered gray (10YR 6/2) ash-fall tuff with a sucrosic texture. Unit reacts strongly to 10% HCl from 422 to 550 ft, reacts weakly at 445 and 460 ft, from 500 to 515 ft, and from 525 to 550 ft. Samples were moist from 422 to 430 ft and wet below 430 ft. The open-hole water level was 433 ft at the completion of drilling.
550 to 600 ft (CLAYSTONE): Unit is uniformly moderate yellowish brown (10YR 5/4) throughout. Due to drilling in this saturated soft rock, only a few flat chips of very finely bedded claystone were recovered. Most of the sample consisted of clay held in suspension and drill-induced "clay balls". The claystone reacts weakly to 10% HCl from 550 to 555 ft, and reacts strongly from 555 to 600 ft.
600 to 740 ft (WEAKLY ARGILLIZED REWORKED TUFF): Unit is pale reddish brown (10YR 5/4) from 600 to 695 ft, and light brown (10YR 5/6) from 695 to 725 ft. Tuff is nonwelded and variably argillized throughout. Unit is highly weathered (i.e., clayey) from 600 to 625 ft, and moderately weathered from 625 to 675 ft. Tuff contains 1% light gray (N 7) pumice clasts 1 to 4 mm in diameter from 625 to 700 ft. From 625 to 690 ft the tuff contains 1% lithics that vary in color from light gray (N 7) to dark brownish black (5YR 2/1). Samples react strongly to 10% HCl from 600 to 695 ft, and react weakly from 695 to 735 ft. Unit contains three basal members that form distinct subunits. The upper basal subunit from 725 to 730 ft is a weakly cemented weathered sandstone consisting of well-rounded and sorted grains of quartz and feldspar. The middle basal subunit from 730 to 735 ft is a moderate brown (5YR 4/4) weathered reworked tuff that contains 1% white (N 9) fragments of zeolitized pumice up to 4 mm in diameter and 1% dark gray (N 3) lithic clasts up to 2 mm in diameter. The lowermost basal subunit from 735 to 740 ft is a medium to dark gray (N 4) highly weathered reworked tuff that has the texture of coarse sandstone, consisting of 1 to 2 mm moderately to well-rounded grains of tuff containing 5% greenish black (5GY 2/1) biotite phenocrysts up to 0.5 mm in length.
740 to 770 ft (CLAYSTONE AND SANDSTONE): Sequence is interpreted as a series of thin (probably less than 2-ft thick in places) beds of tuffaceous sandstone and platy fissile claystone. Unit is moderate brown (5YR 4/4) in color, with a section from 750 to 765 ft that is light brown (5YR 5/6). Claystone from 740 to 745 ft has 1% white (N 9) quartz grains up to 7 mm in diameter, 1% white (N 9) pumiceous clasts up to 10 mm in diameter, and 1% medium dark gray (N 4) clasts up to 1.5 mm in diameter. The primary sandstone interval from 745 to 765 ft has 1% or less medium to dark gray (N 4) clasts up to 2 mm in diameter. Samples react weakly to 10% HCl from 740 to 765 ft and display no reaction from 765 to 770 ft.
770 to 797 ft (REWORKED TUFF): Unit is a uniform moderate brown (5YR 4/4) color, and moderately weathered throughout. Tuff contains trace amounts of golden, oxidized biotite up to 1.5 mm in length and 2% medium dark gray (N 4) lithic clasts up to 2 mm in diameter from 775 to 780 ft. From 780 to 797 ft the unit contains 1 to 2% white (N 9) pumice clasts up to 10 mm in diameter and 1 to 2% light gray (N 5) to white (N 9) lithic clasts ranging from 1 to 10 mm in diameter. Samples are non-reactive to 10% HCl. Argillization is strong from 775 to 795 ft. Contact with the underlying sand is sharp at 797 ft.



(797 to 1550 ft) INTERBEDDED FLUVIAL SEDIMENTS AND TUFFS (Tgc):
Thick sequence of unconsolidated to poorly consolidated fluvial sediments consisting primarily of sand, clay, and silt overlying sandstone interbedded with argillized tuff and coarser sections of sand, gravel, cobbles, and boulders (conglomerate). Clasts within the sequence are exclusively of volcanic origin, consisting primarily of welded tuffs and lesser nonwelded tuff lithologies. Sand component of the sediment is also volcanic in origin. Subunits contain clayey horizons, pumiceous zones, and ashy or tuffaceous horizons. These volcanic-derived units are either preserved volcanic eruptive products, or products of erosion and rapid deposition of older nonwelded volcanic units. Contacts between unconsolidated sediments and volcaniclastic rocks are gradational. Overall, the sequence appears to represent a fanglomerate derived from the rapid erosion and redeposition of nearby volcanic sequences, which produced very immature basin-fill sediments. All samples were wet. The subunits are described below.

797 to 861 ft (POORLY GRADED SAND [SP]): This interval is composed of a sequence of unconsolidated and uncemented light brownish gray (5YR 6/1) sand. Sand is predominantly fine- to medium-grained, poorly graded, and displays rounded textures. Grains consist of mostly quartz and lesser sanidine. Sand contains approximately 1% rounded fragments of lithic tuff up to 2 mm in diameter. Sand displays no reaction to 10% HCl except for the interval from 820 to 835 ft, which reacts weakly. Material from this interval contaminated many of the samples downhole.

861 to 950 ft (CLAYSTONE, SILTSTONE, AND UNCONSOLIDATED SAND): Unit consists of interbedded light brown (5YR 5/6) claystone with lesser moderate brown (5YR 4/4) siltstone with varying amounts of grayish orange pink (5YR 7/2) to very light gray (N 8) unconsolidated sand. The overall color of the unit is light brown (5YR 5/6) from 861 to 905 ft, pale yellowish brown (10YR 6/2) from 905 to 925 ft, and moderate yellowish brown (10YR 5/4) from 925 to 950 ft. Sand is poorly graded and subrounded with an average grain size of 1 to 1.5 mm. The sand is dominant (50% or more) from 865 to 870 ft, 880 to 890 ft, and from 905 to 935 ft. Sand may be contamination from sand sequence encountered higher in the hole from 797 to 861 ft. Unit displays weak reaction to 10% HCl from 865 to 900 ft, and is non-reactive from 900 to 950 ft.

950 to 1,035 ft (SANDSTONE/CONGLOMERATE): Unit consists of weakly cemented volcaniclastic sandstone, locally with clasts of welded tuff lithologies forming conglomeratic beds. Unit is light brown (5YR 6/4) from 950 to 1,000 ft, and is grayish red (10R 4/2) from 1,000 to 1,035 ft. Matrix sand has volcaniclastic textures and obvious tuffaceous components. Gravel clasts range in size from 5 to 15 mm and consist of angular fragments of grayish brown (5YR 3/2) welded tuff. Unit appears highly weathered throughout. Samples display no reaction to 10% HCl except for weak reaction from 960 to 965 ft, 975 to 980 ft, 1,000 to 1,005 ft, 1,015 to 1,025 ft, and 1,030 tc 1,035 ft.

1,035 to 1,140 ft (ARGILLIZED TUFF): Interval consists of a section of deeply weathered or altered tuffaceous rock. Unit is grayish red (10R 4/2) from 1,035 to 1,080 ft, very dusky red (10R 2/2) from 1,080 to 1,105 ft, pale brown (5YR 5/2) from 1,105 to 1,135 ft, and grayish brown (5YR 3/2) from 1,135 to 1,140 ft. Section from 1,035 to 1,140 ft is intensely argillized. Locally, samples contain "chunks" of grayish red (10R 4/2) clay up to 20 mm in diameter that contain phenocrysts of colorless quartz up to 2 mm in diameter and colorless chatoyant sanidine up to 2 mm in diameter. Interval contains less than 1% altered clasts of grayish red (10R 4/2) pumice up to 15 mm in diameter. Unit also contains rounded clasts of grayish red (10R 4/2) to dark reddish brown (10R 3/4) densely welded tuff. Unit probably consists of beds of altered reworked tuffaceous sediment interlayered with beds of coarser detritus containing gravel clasts. Samples are contaminated with fine sand from the interval uphole from 797 to 861 ft. Samples react strongly to 10% HCl from 1,035 to 1,080 ft and from 1,115 to 1,140 ft.

1,140 to 1,315 ft (ARKOSIC SAND/SANDSTONE AND CONGLOMERATE): Unit consists of weakly consolidated conglomeratic sandstone containing 30 to 60% rounded clasts of welded tuff in a matrix of sorted feldspar-rich sand. Overall color of the unit varies from pale brown (5YR 4/2) from 1,140 to 1,205 ft, to grayish red (10R 4/2) from 1,205 to 1,300 ft, to dusky brown (5YR 2/2) from 1,300 to 1,315 ft. Samples were significantly disturbed (i.e., ground up) by the drill bit and consist of a mixture of sand, fragments of rounded durable clasts and weakly to moderately cemented sandstone fragments up to 10 mm in diameter. Clasts vary in color from very dusky red (10R 2/2) to dark reddish brown (10R 3/4) to grayish brown (5YR 3/2). Clasts have a dense, nonporous matrix, are moderately welded, and a few have lithic fragments of various colors that average 3 mm in diameter. Unit also contains lesser clasts of light brown (5YR 5/6) pumice-rich clay-altered tuff up to 1 cm in length. The pumice in the clasts is white (N 9) and zeolitized, and up to 3 mm in length. Samples react to 10% HCl weakly from 1,140 to 1,240 ft, display no reaction from 1,245 to 1,315 ft, and show locally weak reaction from 1,225 to 1,230 ft and from 1,270 to 1,275 ft. Unit is similar in many respects to conglomeratic material in Nye County boreholes NC-EWDP-10SA from 790 to 1,200 ft and NC-EWDP-22SA from 1,110 to 1,200 ft.

1,315 to 1,410 ft (CONGLOMERATIC SANDSTONE AND CLAYSTONE): Interval consists of moderately cemented volcaniclastic sandstone interbedded with claystone. Unit is brownish gray (5YR 4/1) from 1,315 to 1,380 ft, pale brown (5YR 5/2) from 1,380 to 1,400 ft, and pale red (10R 6/2) from 1,400 to 1,410 ft. Interval consists mainly of moderately- to well-sorted volcaniclastic sand/sandstone that contains clasts of welded tuff up to 10 mm in diameter. Claystone beds occur in intervals from 1,315 to 1,340 ft, 1,370 to 1,385 ft, and 1,405 to 1,410 ft. Thin zones of intensely argillized lithic tuff occur from 1,315 to 1,340 ft, 1,345 to 1,355 ft, 1,365 to 1,385 ft, and from 1,405 to 1,410 ft. This clay-altered lithic tuff is pale brown (5YR 5/2) in color. White (N 9) and grayish orange pink (10R 8/2) zeolitic clasts up to 10 mm in diameter occur from 1,375 to 1,380 ft and from 1,395 to 1,400 ft. Dark gray (N 4) to medium gray (N 5) lithic clasts up to 5 mm in diameter are noted in some fragments of the recovered tuff. Unit is nonreactive except for the claystone from 1,405 to 1,410 ft, which displays weak reaction to 10% HCl.

1,410 to 1,500 ft (CONGLOMERATIC ARKOSIC SANDSTONE): Unit is a homogeneous section of weakly to moderately cemented sandstone derived from volcanic rocks. Sandstone matrix is well-sorted, feldspar-rich sand with moderately rounded textures, and contains angular clasts of brownish gray (5YR 4/1) tuff up to 20 mm in diameter. Unit is pale red (10R 6/2) from 1,410 to 1,435 ft and brownish gray (5YR 4/1) from 1,435 to 1,500 ft. Subunit is highly weathered (disaggregated) from 1,410 to 1,450 ft, slightly weathered from 1,455 to 1,485 ft, and is moderately to highly weathered from 1,485 to 1,500 ft. The fragments are welded and lithic-poor, with sparse phenocrysts of colorless feldspar up to 0.5 mm in length and colorless quartz grains up to 1 mm in diameter. Minor vapor phase alteration occurs on a few of the fragments from 1,480 to 1,485 ft. Samples are not reactive to 10% HCl.

1,500 to 1,522 ft (ARGILLIZED TUFF): Unit is grayish red (10R 4/2), and consists of angular fragments of welded tuff up to 25 mm in diameter, in a matrix of moderate orange pink (5YR 8/4) clay-altered ash. Samples have up to 50% well-sorted and well-rounded sand, which could be contamination from uphole zones. White zeolitized pumice fragments (1 to 2%) up to 7 mm in diameter occur throughout the interval. No reaction to 10% HCl was noted.

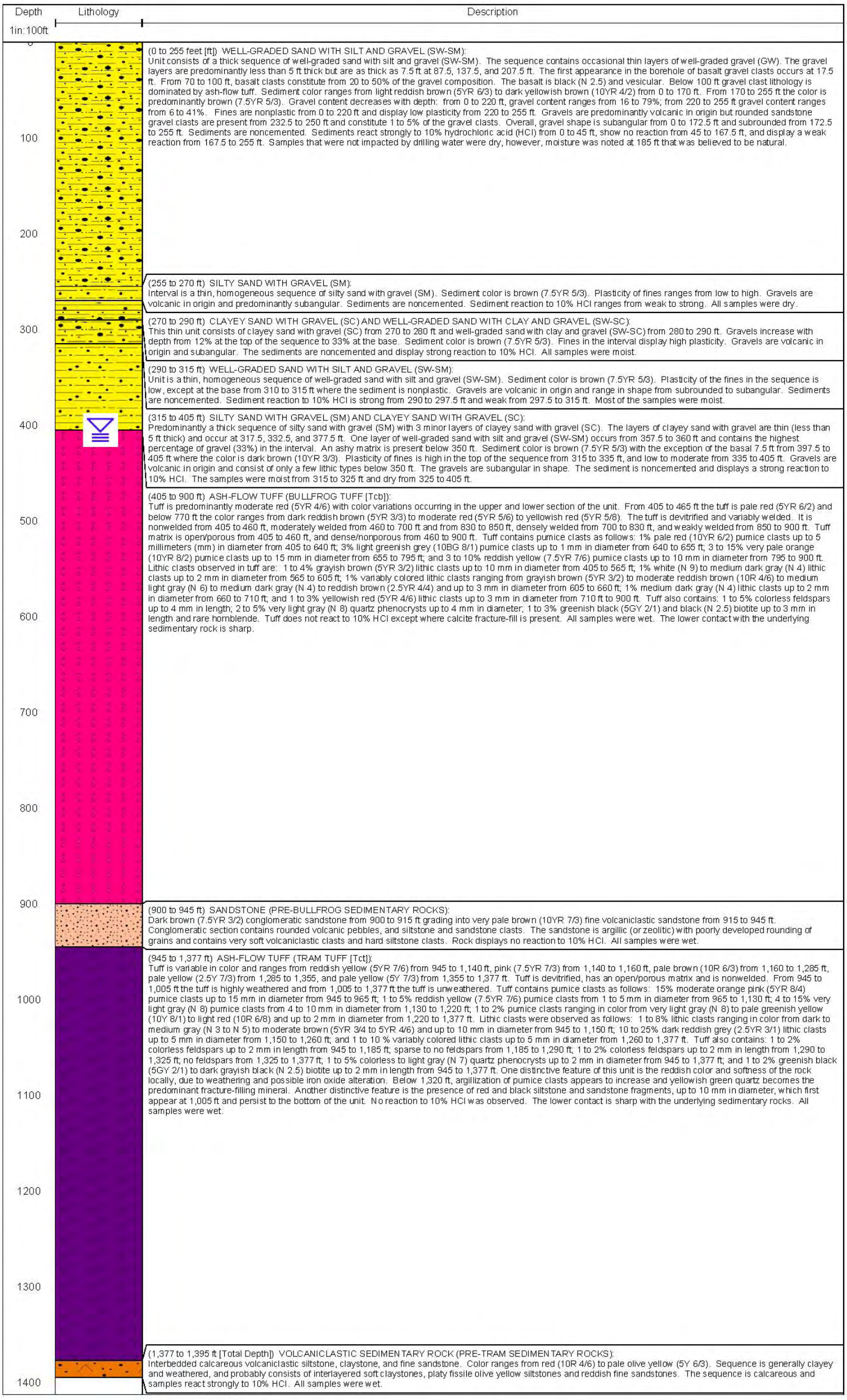
1,522 to 1,550 ft (VOLCANIC CONGLOMERATE): Unit is moderate brown (5YR 3/4 to 5/6), contains clasts of predominantly Topopah Spring tuff in weakly cemented crystal-rich sandy matrix. Unit was logged initially as a welded tuff. Tuff clasts (approximately 50% of rock volume) are moderately to densely welded, and crystal-poor, and contain sparse feldspar and quartz phenocrysts up to 1 mm in length. There is no reaction to 10% HCl. Some clasts display a coating of volcaniclastic sand.

(1550 to 1569 ft [Total Depth]) LITHIC ASH-FLOW TUFF (POSSIBLY BULLFROG TUFF [Tcb]):
Tuff is light brown (5YR 5/6), moderately welded and devitrified. Matrix is generally open/porous, becoming dense/non-porous below 1,560 ft. Tuff contains numerous volcanic lithic clasts. Feldspar and quartz phenocrysts are generally colorless to very light gray (N 8) and average 1 to 2 mm in length. Tuff also contains less than 1% small euhedral greenish black (5GY 2/1) biotite flakes up to 1 mm in length from 1,550 to 1,565 ft. Interval is clay-altered throughout. Argillization increases progressively from moderate at 1,555 ft, to strong, to very strong at 1,569 ft. All samples are non-reactive to 10% HCl. All samples were wet. The interpretation of the unit from 1,550 to 1,569 ft as Bullfrog Tuff is problematic. Sample quality was not ideal due to circulation problems, and samples did contain obvious contamination, including some sand. This unit could also be interpreted as coarse volcanic conglomerate similar to the overlying unit.

Summary Lithologic Log for NC-EWDP-22PC

Depth 1in:55ft	Lithology	Description
100		(0 to 460 feet [ft]) FOR SUMMARY LITHOLOGIC INFORMATION, SEE RID 5472 (SUMMARY LITHOLOGIC LOG FOR NC-EWDP-22SA) DRILLED AT THE SAME SITE.
200		
300		
400		
500		(460 to 501.4 ft) INTERBEDDED WELL-GRADED GRAVEL WITH SILT AND SAND (GW-GM), POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) AND SILTY SAND WITH GRAVEL (SM): Interval of interbedded well- and poorly graded gravels with silt and sand (GW-GM and GP-GM) with a thick interval of predominantly silty sand with gravel (SM). The thick interval of silty sand with gravel (SM) occurs from 468.1 to 481.1 ft bgs, and includes a bed of clayey sand with gravel (SC). Gravel-rich intervals include beds of silty gravel with sand (GM) and silty clayey gravel with sand (GC-GM); and lesser intervals of silty sand with gravel (SM) and silty clayey sands with gravel (SC-SM). Plasticity of fines ranges from low to moderate with highly plastic fines noted from 463.7 to 464.2 ft. Gravel clasts are volcanic in origin and subangular from 460 to 484.6 ft and generally subrounded from 484.8 to 501.4 ft. Sediment color is generally light brown (5YR 4/6) with sections of yellowish brown (10YR 4/3) and yellowish orange (10YR 6/3) colors. No cementation or reaction to 10% hydrochloric acid (HCl) is observed. Samples were moist from 460 to 471.4 ft and wet beyond 471.4 ft.
		(501.4 to 554.5 ft) CLAYEY GRAVEL WITH SAND (GC) GRADING TO CLAYEY SAND WITH GRAVEL (SC) CONTAINING THICK INTERBEDS OF SILTY SAND WITH GRAVEL (SM) AND POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM): Thick fining downward interval of predominantly clayey gravel with sand (GC) in the upper section grading downward into predominantly clayey sand with gravel (SC) in the lower section. Interval contains several thick interbeds of silty sand with gravel (SM) and poorly graded sand with silt and gravel (SP-SM). Interval also contains lesser beds of poorly graded gravels and sands with silt and clay (GP-GM, GP-GC and SP-SC), well-graded gravel with clay and sand (GW-GC), and well-graded sand with silt and gravel (SW-SM). The interval is defined by the first appearance of clayey gravels. Fines range from low to moderate plasticity except for two sections with no plasticity from 521.0 to 521.8 ft and from 547.5 to 552.8 ft. Gravel clasts are volcanic in origin and generally subrounded except for subangular clasts are observed from 522.7 to 526.5 ft. Colors range from predominantly light brown (5YR 5/6) to red (2.5YR 5/8), light red (2.5YR 6/8), yellowish red (5YR 5/8), reddish yellow (5YR 6/6), and yellowish brown (7.5YR 5/6). No cementation is observed from 501.4 to 536.6 ft. Weak cementation is observed from 536.6 to 554.5 ft. No reaction to 10% HCl is observed. All samples were wet.
		(554.5 to 571.3 ft) WELL-GRADED GRAVEL WITH CLAY AND SAND (GW-GC): Thin interval of well-graded gravel with clay and sand (GW-GC) with interbeds of poorly graded gravel with silt and sand (GP-GM), well-graded sand with silt and gravel (SW-SM), well-graded gravel with silt and sand (GW-GM) and clayey gravel with sand (GC). Plasticity of fines ranges from none to low. Gravel clasts are volcanic in origin and subrounded. Colors range from light brown (5YR 5/6) to red (2.5YR 5/8). Weak cementation is observed. No reaction to 10% HCl is observed. All samples were wet.
600		(571.3 to 623 ft) SILTY GRAVEL WITH SAND (GM) INTERBEDDED WITH SILTY SAND WITH GRAVEL (SM): Thick interval of predominantly silty gravel with sand (GM) interbedded with silty sand with gravel (SM). Interval also contains lesser beds of well-graded gravel with silt and sand (GW-GM), poorly graded sand with silt and gravel (SP-SM), clayey gravel with sand (GC) and well-graded sand with silt and gravel (SW-SM). Interval is defined by the predominance of silt over clay in the fines fraction. Fines are generally non-plastic except from 600.3 to 606.3 ft and 611.8 to 615.4 ft where fines have low plasticity. Gravel clasts are volcanic in origin and subrounded. Colors range from brown (7.5YR 5/6) to reddish brown (5YR 5/4) and to reddish brown (2.5YR 5/4). Cementation varies from weak to moderate, predominantly as thin cemented layers. No reaction to 10% HCl is observed. All samples were wet.
		(623 to 632.1 ft) CLAYEY GRAVEL WITH SAND (GC): Thin interval consisting exclusively of clayey gravel with sand (GC). Plasticity of fines varies from none to low to moderate. Gravel clasts are volcanic in origin and subrounded. Colors range from reddish brown (5YR 5/6) to reddish yellow (5YR 6/6). Sediments are noncemented except for an interval with weak cementation observed from 623 to 623.7 ft. No reaction to 10% HCl is observed. All samples were wet.
700		(632.1 to 747.4 ft) CLAYEY SAND WITH GRAVEL (SC): Thick interval of predominantly clayey sand with gravel (SC) locally with beds of clayey gravel with sand (GC). This thick sequence of clayey sand includes an interval from 673.2 to 688.1 ft of clayey and silty gravels with sand (GC and GM) with lesser silty clayey sand with gravel (SC-SM). Plasticity of fines varies from moderate to high with local zones of low to no plasticity from 661.2 to 699.2 ft and from 707.0 to 715.6 ft. Gravel clasts are volcanic in origin and generally subrounded from 632.1 to 684.2 and subangular from 684.2 to 747.4 ft. Colors range from brown (7.5YR 5/4) to reddish yellow (5YR 6/6), to yellowish brown (5YR 5/8), and to reddish brown (2.5YR 5/6). Sediments are noncemented except for weakly cemented zones from 641.6 to 652.8 ft and 661.2 to 668.0 ft. No reaction to 10% HCl is observed. All samples were wet.
		(747.4 to 763.0 ft [Total Depth]) SILTY SAND WITH GRAVEL (SM): Interval of predominantly silty sand with gravel (SM) with a bed of clayey gravel with sand (GC) and a bed of silty clayey sand with gravel (SC-SM). Fines plasticity ranges from moderate to low. Gravel clasts are volcanic in origin and generally subangular. Color ranges from reddish yellow (5YR 6/6) to reddish brown (5YR 5/4). Sediments are noncemented. No reaction to 10% HCl is observed. All samples were wet.

Summary Lithologic Log for NC-EWDP-24PB



(0 to 255 feet [ft]) WELL-GRADED SAND WITH SILT AND GRAVEL (SW-SM):
Unit consists of a thick sequence of well-graded sand with silt and gravel (SW-SM). The sequence contains occasional thin layers of well-graded gravel (GW). The gravel layers are predominantly less than 5 ft thick but are as thick as 7.5 ft at 87.5, 137.5, and 207.5 ft. The first appearance in the borehole of basalt gravel clasts occurs at 17.5 ft. From 70 to 100 ft, basalt clasts constitute from 20 to 50% of the gravel composition. The basalt is black (N 2.5) and vesicular. Below 100 ft gravel clast lithology is dominated by ash-flow tuff. Sediment color ranges from light reddish brown (5YR 6/3) to dark yellowish brown (10YR 4/2) from 0 to 170 ft. From 170 to 255 ft the color is predominantly brown (7.5YR 5/3). Gravel content decreases with depth: from 0 to 220 ft, gravel content ranges from 16 to 79%; from 220 to 255 ft gravel content ranges from 6 to 41%. Fines are nonplastic from 0 to 220 ft and display low plasticity from 220 to 255 ft. Gravels are predominantly volcanic in origin but rounded sandstone gravel clasts are present from 232.5 to 250 ft and constitute 1 to 5% of the gravel clasts. Overall, gravel shape is subangular from 0 to 172.5 ft and subrounded from 172.5 to 255 ft. Sediments are noncemented. Sediments react strongly to 10% hydrochloric acid (HCl) from 0 to 45 ft, show no reaction from 45 to 167.5 ft, and display a weak reaction from 167.5 to 255 ft. Samples that were not impacted by drilling water were dry, however, moisture was noted at 185 ft that was believed to be natural.

(255 to 270 ft) SILTY SAND WITH GRAVEL (SM):
Interval is a thin, homogeneous sequence of silty sand with gravel (SM). Sediment color is brown (7.5YR 5/3). Plasticity of fines ranges from low to high. Gravels are volcanic in origin and predominantly subangular. Sediments are noncemented. Sediment reaction to 10% HCl ranges from weak to strong. All samples were dry.

(270 to 290 ft) CLAYEY SAND WITH GRAVEL (SC) AND WELL-GRADED SAND WITH CLAY AND GRAVEL (SW-SC):
This thin unit consists of clayey sand with gravel (SC) from 270 to 280 ft and well-graded sand with clay and gravel (SW-SC) from 280 to 290 ft. Gravels increase with depth from 12% at the top of the sequence to 33% at the base. Sediment color is brown (7.5YR 5/3). Fines in the interval display high plasticity. Gravels are volcanic in origin and subangular. The sediments are noncemented and display strong reaction to 10% HCl. All samples were moist.

(290 to 315 ft) WELL-GRADED SAND WITH SILT AND GRAVEL (SW-SM):
Unit is a thin, homogeneous sequence of well-graded sand with silt and gravel (SW-SM). Sediment color is brown (7.5YR 5/3). Plasticity of the fines in the sequence is low, except at the base from 310 to 315 ft where the sediment is nonplastic. Gravels are volcanic in origin and range in shape from subrounded to subangular. Sediments are noncemented. Sediment reaction to 10% HCl is strong from 290 to 297.5 ft and weak from 297.5 to 315 ft. Most of the samples were moist.

(315 to 405 ft) SILTY SAND WITH GRAVEL (SM) AND CLAYEY SAND WITH GRAVEL (SC):
Predominantly a thick sequence of silty sand with gravel (SM) with 3 minor layers of clayey sand with gravel (SC). The layers of clayey sand with gravel are thin (less than 5 ft thick) and occur at 317.5, 332.5, and 377.5 ft. One layer of well-graded sand with silt and gravel (SW-SM) occurs from 357.5 to 360 ft and contains the highest percentage of gravel (33%) in the interval. An ashy matrix is present below 350 ft. Sediment color is brown (7.5YR 5/3) with the exception of the basal 7.5 ft from 397.5 to 405 ft where the color is dark brown (10YR 3/3). Plasticity of fines is high in the top of the sequence from 315 to 335 ft, and low to moderate from 335 to 405 ft. Gravels are volcanic in origin and consist of only a few lithic types below 350 ft. The gravels are subangular in shape. The sediment is noncemented and displays a strong reaction to 10% HCl. The samples were moist from 315 to 325 ft and dry from 325 to 405 ft.

(405 to 900 ft) ASH-FLOW TUFF (BULLFROG TUFF [Tcb]):
Tuff is predominantly moderate red (5YR 4/6) with color variations occurring in the upper and lower section of the unit. From 405 to 465 ft the tuff is pale red (5YR 6/2) and below 770 ft the color ranges from dark reddish brown (5YR 3/3) to moderate red (5YR 5/6) to yellowish red (5YR 5/8). The tuff is devitrified and variably welded. It is nonwelded from 405 to 460 ft, moderately welded from 460 to 700 ft and from 830 to 850 ft, densely welded from 700 to 830 ft, and weakly welded from 850 to 900 ft. Tuff matrix is open/porous from 405 to 460 ft, and dense/nonporous from 460 to 900 ft. Tuff contains pumice clasts as follows: 1% pale red (10YR 6/2) pumice clasts up to 5 millimeters (mm) in diameter from 405 to 640 ft; 3% light greenish grey (10BG 8/1) pumice clasts up to 1 mm in diameter from 640 to 655 ft; 3 to 15% very pale orange (10YR 8/2) pumice clasts up to 15 mm in diameter from 655 to 795 ft; and 3 to 10% reddish yellow (7.5YR 7/6) pumice clasts up to 10 mm in diameter from 795 to 900 ft. Lithic clasts observed in tuff are: 1 to 4% grayish brown (5YR 3/2) lithic clasts up to 10 mm in diameter from 405 to 565 ft; 1% white (N 9) to medium dark gray (N 4) lithic clasts up to 2 mm in diameter from 565 to 605 ft; 1% variably colored lithic clasts ranging from grayish brown (5YR 3/2) to moderate reddish brown (10R 4/6) to medium light gray (N 6) to medium dark gray (N 4) to reddish brown (2.5YR 4/4) and up to 3 mm in diameter from 605 to 660 ft; 1% medium dark gray (N 4) lithic clasts up to 2 mm in diameter from 660 to 710 ft; and 1 to 3% yellowish red (5YR 4/6) lithic clasts up to 3 mm in diameter from 710 ft to 900 ft. Tuff also contains: 1 to 5% colorless feldspars up to 4 mm in length; 2 to 5% very light gray (N 8) quartz phenocrysts up to 4 mm in diameter; 1 to 3% greenish black (5GY 2/1) and black (N 2.5) biotite up to 3 mm in length and rare hornblende. Tuff does not react to 10% HCl except where calcite fracture-fill is present. All samples were wet. The lower contact with the underlying sedimentary rock is sharp.

(900 to 945 ft) SANDSTONE (PRE-BULLFROG SEDIMENTARY ROCKS):
Dark brown (7.5YR 3/2) conglomeratic sandstone from 900 to 915 ft grading into very pale brown (10YR 7/3) fine volcaniclastic sandstone from 915 to 945 ft.
Conglomeratic section contains rounded volcanic pebbles, and siltstone and sandstone clasts. The sandstone is argillic (or zeolitic) with poorly developed rounding of grains and contains very soft volcaniclastic clasts and hard siltstone clasts. Rock displays no reaction to 10% HCl. All samples were wet.

(945 to 1,377 ft) ASH-FLOW TUFF (TRAM TUFF [Tct]):
Tuff is variable in color and ranges from reddish yellow (5YR 7/6) from 945 to 1,140 ft, pink (7.5YR 7/3) from 1,140 to 1,160 ft, pale brown (10R 6/3) from 1,160 to 1,285 ft, pale yellow (2.5Y 7/3) from 1,285 to 1,355, and pale yellow (5Y 7/3) from 1,355 to 1,377 ft. Tuff is devitrified, has an open/porous matrix and is nonwelded. From 945 to 1,005 ft the tuff is highly weathered and from 1,005 to 1,377 ft the tuff is unweathered. Tuff contains pumice clasts as follows: 15% moderate orange pink (5YR 8/4) pumice clasts up to 15 mm in diameter from 945 to 965 ft; 1 to 5% reddish yellow (7.5YR 7/6) pumice clasts from 1 to 5 mm in diameter from 965 to 1,130 ft; 4 to 15% very light gray (N 8) pumice clasts from 4 to 10 mm in diameter from 1,130 to 1,220 ft; 1 to 2% pumice clasts ranging in color from very light gray (N 8) to pale greenish yellow (10Y 8/1) to light red (10R 6/8) and up to 2 mm in diameter from 1,220 to 1,377 ft. Lithic clasts were observed as follows: 1 to 8% lithic clasts ranging in color from dark to medium gray (N 3 to N 5) to moderate brown (5YR 3/4 to 5YR 4/6) and up to 10 mm in diameter from 945 to 1,150 ft; 10 to 25% dark reddish grey (2.5YR 3/1) lithic clasts up to 5 mm in diameter from 1,150 to 1,260 ft; and 1 to 10 % variably colored lithic clasts up to 5 mm in diameter from 1,260 to 1,377 ft. Tuff also contains: 1 to 2% colorless feldspars up to 2 mm in length from 945 to 1,185 ft; sparse to no feldspars from 1,185 to 1,290 ft; 1 to 2% colorless feldspars up to 2 mm in length from 1,290 to 1,325 ft; no feldspars from 1,325 to 1,377 ft; 1 to 5% colorless to light gray (N 7) quartz phenocrysts up to 2 mm in diameter from 945 to 1,377 ft; and 1 to 2% greenish black (5GY 2/1) to dark grayish black (N 2.5) biotite up to 2 mm in length from 945 to 1,377 ft. One distinctive feature of this unit is the reddish color and softness of the rock locally, due to weathering and possible iron oxide alteration. Below 1,320 ft, argillization of pumice clasts appears to increase and yellowish green quartz becomes the predominant fracture-filling mineral. Another distinctive feature is the presence of red and black siltstone and sandstone fragments, up to 10 mm in diameter, which first appear at 1,005 ft and persist to the bottom of the unit. No reaction to 10% HCl was observed. The lower contact is sharp with the underlying sedimentary rocks. All samples were wet.

(1,377 to 1,395 ft [Total Depth]) VOLCANICLASTIC SEDIMENTARY ROCK (PRE-TRAM SEDIMENTARY ROCKS):
Interbedded calcareous volcaniclastic siltstone, claystone, and fine sandstone. Color ranges from red (10R 4/6) to pale olive yellow (5Y 6/3). Sequence is generally clayey and weathered, and probably consists of interlayered soft claystones, platy fissile olive yellow siltstones and reddish fine sandstones. The sequence is calcareous and samples react strongly to 10% HCl. All samples were wet.

Summary Lithologic Log for NC-EWDP-32P

Depth 1in:70ft	Lithology	Description
0 – 100		(0 to 396 feet [ft]) WELL-GRADED SAND WITH SILT AND GRAVEL (SW-SM) INTERBEDDED WITH WELL-GRADED SAND WITH GRAVEL (SW): This unit is composed of a thick sequence of well-graded sand with silt and gravel (SW-SM) interbedded with thin layers less than 10 ft thick of well-graded sand with gravel (SW). A thin layer of well-graded gravel with sand (GW) is present from 132 to 135 ft. Fines contained within the unit are nonplastic. Gravels are volcanic in origin with angular clasts from 0 to 100 ft and subrounded clasts from 100 to 396 ft. Sediment color ranges from yellowish brown (10YR 6/4) to reddish brown (5YR 5/3) from 0 to 230 ft, brown (7.5YR 4/4) from 230 to 248 ft, and dark reddish brown (10YR 5/4) to yellowish red (5YR 4/6) from 248 to 396 ft. Sediments are noncemented throughout the interval. Sediments display no reaction to 10% hydrochloric acid (HCl) with the exception of the intervals from 7.5 to 30 ft and 152.5 to 217.5 ft where reaction is weak to strong. Samples were dry to 230 ft, moist from 230 to 260 ft and wet beyond 260 ft. Contact with underlying basalt is sharp.
100 – 400		
400 – 500		(396 to 496 ft) BASALT: Basalt flow consists of three primary zones. The upper zone, from 396 to 425 ft, ranges in color from dusky red (10YR 3/4) to very dark brown (10YR 2/2) to dark gray (10YR 4/1). A well-developed olive brown (2.5YR 4/4) paleosol is present at the top of this zone from 396 to 405 ft. Below the paleosol, the upper zone consists of a dense sucrosic groundmass containing 1 to 2% hornblende crystals up to 4 millimeters (mm) long, and 1 to 2% crystals of altered pyroxene (iddingsite). Both crystal types display reaction rims and many of the basalt fragments have white (N 9) coatings indicative of fracture-fill. The middle zone, from 425 to 472.5 ft, is comprised of the massive core of the basalt flow. The color ranges from reddish black (2.5YR 2.5/1) to dark brownish black (10YR 2/1) to black (N 1). This zone has the same mineralogy as the upper zone, but is highly fractured and contains reddish yellow (7.5 YR 8/6) zeolite coatings on the fractures both from 425 to 435 ft and 455 to 467.5 ft. The basal zone, from 472.5 to 496 ft, ranges in color from dark reddish brown (5YR 3/4) to a yellowish red (5YR 5/6) at the lower contact with the underlying sediments. The basalt contains 2% dark brown (10YR 2/2) hornblende phenocrysts, and 1% iddingsite (after pyroxene) and is locally vesicular. Calcite cemented breccia fragments and plucked hornblende crystals are ubiquitous throughout the interval. Lithic fragments increase in abundance below 475 ft. A light brown (7.5YR 6/4) clay (CL) is present at the basal contact from 494 to 496 ft. Overall, the basalt displayed no reaction to 10% HCl in the upper and middle zones of the flow, and a weak reaction in the lower zone from 462.5 to 494 ft. All samples were wet. Contact with underlying sandstone is sharp.
500		(496 to 550 ft) CONGLOMERATIC SANDSTONE: Conglomeratic sandstone is pale green (5GY 5/2) and comprised of a strongly cemented matrix of green arkosic sand and large heterolithic clasts. The sand is medium grained, angular, and poorly sorted. The large clasts are up to 37 mm in diameter, subrounded, and heterolithic derived from volcanics, quartzite, chert, and rare limestone. Many of the volcanic clasts display flow banding and a few clasts have rinds of sand matrix preserved. Samples have no reaction to 10% HCl. Contact with underlying sediments is sharp. All samples were wet.
600 – 700		(550 to 752 ft) WELL-GRADED SAND WITH GRAVEL (SW): This thick sequence of well-graded sand with gravel (SW) contains thin layers of clay (CL) 1 to 2 ft thick. Gravels are subrounded and range in size from 6 to 25 mm in diameter. Sediment color is predominantly light brown (7.5YR 6/3). Gravels are heterolithic and derived from tuff, quartzite, chert, and rare limestone. Interval is not cemented and sediment does not react to 10% HCl. All samples were wet.
800		(752 to 845 ft) SILTY SAND (SM) WITH A LAYER OF SANDY SILT (ML): Interval is mainly composed of silty sand (SM) with a layer of sandy silt (ML) from 754 to 770 ft. The top of the unit from 752 to 754 ft is comprised of a white (N 9) limestone layer. Thin layers less than 5 ft thick of silty gravel with sand (GM) are present at 780 and 815 ft. Overall sediment color is a uniform brown (7.5YR 5/3). Gravels are subrounded and volcanic in origin. No cementation was observed and sediments generally reacted weakly to 10% HCl, but strongly in the interval from 805 to 810 ft. All samples were wet.
900		(845 to 940 ft) POORLY GRADED SAND WITH SILT (SP-SM): Unit is predominantly a thick sequence of poorly graded sand with silt (SP-SM) with a thin layer of silty sand (SM) from 870 to 885 ft. Color of sediment is light to dark brown (7.5YR 5/3 to 5/4 to 4/6). Gravel content is predominantly 10% or less but there are 2 intervals where gravel increases to 15% or greater from 860 to 865 ft and 890 to 900 ft. Plasticity of fines ranges from none to low, with the exception of a few intervals that exhibit high plasticity. Gravel clasts are volcanic in origin and subrounded. Sediments are uncemented except at the very top where weak cement is present. Reaction to 10% HCl is predominantly weak from 845 to 890 ft and generally weak to no reaction from 890 to 940 ft. All samples were wet. Contact with underlying siltstone is sharp.
1000		(940 to 1,000 ft [Total Depth]) SILTSTONE: Unit consists of a thick, massive, moderately well-indurated siltstone except from 965 to 970 ft where laminations are present. Siltstone color ranges from yellowish brown (5Y 6/4) in the upper part of the unit, dark gray (7.5YR 4/1) in the middle, and light brownish gray (2.5Y 6/2) in the lower part. The reaction to 10% HCl ranges from no reaction to a strong reaction. All samples were wet.