Alluvium Drill Cuttings Logging Form Comments - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-22PA** (Phase 3)

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/15/2002	BCS00009651-22PA-1515	0.00	2.50	Wind is winnowing fines from sample splitter; also loss of sample.
1/15/2002	BCS00009652-22PA-1516	2.50	5.00	
1/15/2002	BCS00009653-22PA-1517	5.00	7.50	
1/15/2002	BCS00009654-22PA-1518	7.50	10.00	
1/15/2002	BCS00009655-22PA-1519	10.00	12.50	
1/15/2002	BCS00009656-22PA-1520	12.50	15.00	
1/15/2002	BCS00009657-22PA-1521	15.00	17.50	
1/15/2002	BCS00009658-22PA-1522	17.50	20.00	
1/15/2002	BCS00009659-22PA-1523	20.00	22.50	
1/15/2002	BCS00009660-22PA-1524	22.50	25.00	
1/15/2002	BCS00009661-22PA-1525	25.00	27.50	
1/15/2002	BCS00009662-22PA-1526	27.50	30.00	
1/15/2002	BCS00009663-22PA-1527	30.00	32.50	
1/15/2002	BCS00009664-22PA-1528	32.50	35.00	
1/15/2002	BCS00009665-22PA-1529	35.00	37.50	
1/15/2002	BCS00009666-22PA-1530	37.50	40.00	
1/15/2002	BCS00009667-22PA-1531	40.00	42.50	
1/15/2002	BCS00009668-22PA-1532	42.50	45.00	
1/15/2002	BCS00009669-22PA-1533	45.00	47.50	
1/15/2002	BCS00009670-22PA-1534	47.50	50.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/15/2002	BCS00009671-22PA-1535	50.00	52.50	
1/15/2002	BCS00009672-22PA-1536	52.50	55.00	
1/15/2002	BCS00009673-22PA-1537	55.00	57.50	
1/15/2002	BCS00009674-22PA-1538	57.50	60.00	
1/15/2002	BCS00009675-22PA-1539	60.00	62.50	
1/15/2002	BCS00009676-22PA-1540	62.50	65.00	
1/15/2002	BCS00009677-22PA-1541	65.00	67.50	
1/15/2002	BCS00009678-22PA-1542	67.50	70.00	
1/15/2002	BCS00009679-22PA-1543	70.00	72.50	
1/15/2002	BCS00009680-22PA-1544	72.50	75.00	
1/15/2002	BCS00009681-22PA-1545	75.00	77.50	
1/15/2002	BCS00009682-22PA-1546	77.50	80.00	
1/15/2002	BCS00009683-22PA-1547	80.00	82.50	
1/15/2002	BCS00009684	82.50	85.00	
1/15/2002	BCS00009685	85.00	87.50	
1/15/2002	BCS00009686	87.50	90.00	
1/15/2002	BCS00009687	90.00	92.50	
1/15/2002	BCS00009688	92.50	95.00	
1/15/2002	BCS00009689	95.00	97.50	
1/15/2002	BCS00009690	97.50	100.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/15/2002	BCS00009691	100.00	102.50	
1/15/2002	BCS00009692	102.50	105.00	
1/15/2002	BCS00009693	105.00	107.50	
1/15/2002	BCS00009694	107.50	110.00	
1/15/2002	BCS00009695	110.00	112.50	
1/15/2002	BCS00009696	112.50	115.00	
1/15/2002	BCS00009697	115.00	117.50	
1/15/2002	BCS00009698	117.50	120.00	
1/15/2002	BCS00009699	120.00	122.50	
1/15/2002	BCS00009700	122.50	125.00	
1/15/2002	BCS00009701	125.00	127.50	
1/15/2002	BCS00009702	127.50	130.00	
1/15/2002	BCS00009703	130.00	132.50	
1/15/2002	BCS00009704	132.50	135.00	
1/15/2002	BCS00009705	135.00	137.50	
1/15/2002	BCS00009706	137.50	140.00	
1/15/2002	BCS00009707	140.00	142.50	
1/15/2002	BCS00009708	142.50	145.00	
1/15/2002	BCS00009709	145.00	147.50	
1/15/2002	BCS00009710	147.50	150.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/15/2002	BCS00009711	150.00	152.50	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009712	152.50	155.00	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009713	155.00	157.50	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009714	157.50	160.00	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009715	160.00	162.50	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009716	162.50	165.00	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009717	165.00	167.50	Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009718	167.50	170.00	Sample size/volume decreasing due to wind/air winnowing of sample at aircyclone. Degree of cementation difficult to determine due to rotary/crushing of sample by bit.
1/15/2002	BCS00009719	170.00	172.50	Degree of cementation difficult to determine due to rotary/crushing of sample by bit. Loss of sample and fines by wind.
1/15/2002	BCS00009720	172.50	175.00	Degree of cementation difficult to determine due to rotary/crushing of sample by bit. Loss of sample and fines by wind.
1/15/2002	BCS00009721	175.00	177.50	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009722	177.50	180.00	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009723	180.00	182.50	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009724	182.50	185.00	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009725	185.00	187.50	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009726	187.50	190.00	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009727	190.00	192.50	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009728	192.50	195.00	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009729	195.00	197.50	Degree of cementation difficult to determine due to mechanical action of bit. Loss of sample and fines by wind.
1/15/2002	BCS00009730	197.50	200.00	Degree of cementation difficult to determine due to mechanical action of bit. Deviation survey = 0.2 degrees off vertical.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/15/2002	BCS00009731	200.00	202.50	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009732	202.50	205.00	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009733	205.00	207.50	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009734	207.50	210.00	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009735	210.00	212.50	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009736	212.50	215.00	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009737	215.00	217.50	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009738	217.50	220.00	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009739	220.00	222.50	Degree of cementation difficult to determine due to mechanical action of bit.
1/15/2002	BCS00009740	222.50	225.00	Degree of cementation difficult to determine due to mechanical action of bit.
1/16/2002	BCS00009741	225.00	227.50	
1/16/2002	BCS00009742	227.50	230.00	
1/16/2002	BCS00009743	230.00	232.50	
1/16/2002	BCS00009744	232.50	235.00	
1/16/2002	BCS00009745	235.00	237.50	
1/16/2002	BCS00009746	237.50	240.00	
1/16/2002	BCS00009747	240.00	242.50	
1/16/2002	BCS00009748	242.50	245.00	
1/16/2002	BCS00009749	245.00	247.50	
1/16/2002	BCS00009750	247.50	250.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/16/2002	BCS00009751	250.00	252.50	
1/16/2002	BCS00009752	252.50	255.00	
1/16/2002	BCS00009753	255.00	257.50	
1/16/2002	BCS00009754	257.50	260.00	Moist below 260' - likely moisture from drilling of NC-EWDP-22S well - 60' south.
1/16/2002	BCS00009755	260.00	262.50	
1/16/2002	BCS00009756	262.50	265.00	
1/16/2002	BCS00009757	265.00	267.50	
1/16/2002	BCS00009758	267.50	270.00	Apparent increase in silt content may be the result of sample retension by moisture - less wind winnowing.
1/16/2002	BCS00009759	270.00	272.50	
1/16/2002	BCS00009760	272.50	275.00	
1/16/2002	BCS00009761	275.00	277.50	
1/16/2002	BCS00009762	277.50	280.00	
1/16/2002	BCS00009763	280.00	282.50	Sample back to dry - possible transmissive zone 260 - 280'.
1/16/2002	BCS00009764	282.50	285.00	
1/16/2002	BCS00009765	285.00	287.50	
1/16/2002	BCS00009766	287.50	290.00	
1/16/2002	BCS00009767	290.00	292.50	
1/16/2002	BCS00009768	292.50	295.00	
1/16/2002	BCS00009769	295.00	297.50	
1/16/2002	BCS00009770	297.50	300.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/17/2002	BCS00009771	300.00	302.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009772	302.50	305.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009773	305.00	307.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009774	307.50	310.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009775	310.00	312.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009776	312.50	315.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009777	315.00	317.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009778	317.50	320.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009779	320.00	322.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009780	322.50	325.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009781	325.00	327.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009782	327.50	330.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009783	330.00	332.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009784	332.50	335.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009785	335.00	337.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009786	337.50	340.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009787	340.00	342.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009788	342.50	345.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009789	345.00	347.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009790	347.50	350.00	Sample cuttings appear degradated by drilling.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/17/2002	BCS00009791	350.00	352.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009792	352.50	355.00	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009793	355.00	357.50	Sample cuttings appear degradated by drilling.
1/17/2002	BCS00009794	357.50	360.00	Sample cuttings appear degradated by drilling. Drilled open hole.
1/17/2002	BCS00009795	360.00	362.50	Sample cuttings appear degradated by drilling. Drilled open hole.
1/17/2002	BCS00009796	362.50	365.00	Sample cuttings appear degradated by drilling. Drilled open hole.
1/17/2002	BCS00009797	365.00	367.50	Sample cuttings appear degradated by drilling. Fine sand. Drilled open hole.
1/18/2002	BCS00009798	367.50	370.00	Changed from rotary tricone bit (casing advance) to down hole air hammer.
1/18/2002	BCS00009799	370.00	372.50	
1/18/2002	BCS00009800	372.50	375.00	
1/18/2002	BCS00009801	375.00	377.50	
1/18/2002	BCS00009802	377.50	380.00	
1/18/2002	BCS00009803	380.00	382.50	
1/18/2002	BCS00009804	382.50	385.00	Deviation survey = 0.9 degrees at 385'.
1/18/2002	BCS00009805	385.00	387.50	
1/18/2002	BCS00009806	387.50	390.00	
1/18/2002	BCS00009807	390.00	392.50	Core run #1 from 391.06 - 394.01', 100% recovery, 1.47'/min drill rate. Sample assignment: 391.06 - 391.50' discard, 391.50 - 391.75' SMF/DOE, 391.75 - 392.25' SMF/DOE, 392.25 - 392.75' SMF/NWRPO, 392.75 - 393.25' Nevada Geotech, 393.25 - 393.50' SMF/DOE, 393.50 - 393.75' SMF. Sample 5YR 5/6 SM-SW with trace of clay, weakly-moderately cemented (no-calc) pebbly, some 1" flattened subrounded gravel. Net weight sample = 28.8 lbs. Some white zeolitic pebbles.
1/18/2002	BCS00009808	392.50	395.00	
1/18/2002	BCS00009809	395.00	397.50	
1/18/2002	BCS00009810	397.50	400.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/18/2002	BCS00009811	400.00	402.50	
1/18/2002	BCS00009812	402.50	405.00	
1/18/2002	BCS00009813	405.00	407.50	
1/18/2002	BCS00009814	407.50	410.00	
1/18/2002	BCS00009815	410.00	412.50	
1/18/2002	BCS00009816	412.50	415.00	
1/18/2002	BCS00009817	415.00	417.50	
1/18/2002	BCS00009818	417.50	420.00	
1/18/2002	BCS00009819	420.00	422.50	
1/18/2002	BCS00009820	422.50	425.00	
1/18/2002	BCS00009821	425.00	427.50	
1/18/2002	BCS00009822	427.50	430.00	
1/18/2002	BCS00009823	430.00	432.50	
1/18/2002	BCS00009824	432.50	435.00	
1/18/2002	BCS00009825	435.00	437.50	Grading does not apply to SM.
1/18/2002	BCS00009826	437.50	440.00	Grading does not apply to SM.
1/18/2002	BCS00009827	440.00	442.50	Grading does not apply to SM.
1/18/2002	BCS00009828	442.50	445.00	Grading does not apply to SM.
1/18/2002	BCS00009829	445.00	447.50	
1/18/2002	BCS00009830	447.50	450.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
1/18/2002	BCS00009831	450.00	452.50	
1/23/2002	BCS00009832	452.50	455.00	
1/23/2002	BCS00009833	455.00	457.50	Some light gray "ashy" material. Grading does not apply to SM.
1/23/2002	BCS00009834	457.50	460.00	
1/23/2002	BCS00009835	460.00	462.50	Some limonitic material.
1/23/2002	BCS00009836	462.50	465.00	
1/23/2002	BCS00009837	465.00	467.50	
1/23/2002	BCS00009838	467.50	470.00	
1/23/2002	BCS00009839	470.00	472.50	
1/23/2002	BCS00009840	472.50	475.00	Very moist. Grading does not apply to SM.
1/23/2002	BCS00009841	475.00	477.50	Grading does not apply to SM.
1/23/2002	BCS00009842	477.50	480.00	Grading does not apply to SM.
1/23/2002	BCS00009843	480.00	482.50	
1/23/2002	BCS00009844	482.50	485.00	
1/23/2002	BCS00009845	485.00	487.50	
1/23/2002	BCS00009846	487.50	490.00	
1/23/2002	BCS00009847	490.00	492.50	
1/23/2002	BCS00009848	492.50	495.00	Wet sample with clayey fine sand w/gravel. Water drained off of samples. Grading does not apply to SM.
2/1/2002	BCS00009849	495.00	497.50	Water drained off of samples. Samples to be decanted, dried & bagged at later date (2-1-02). No sample density measurements due to wet samples.
2/1/2002	BCS00009850	497.50	500.00	Water drained off of samples. Samples to be decanted, dried & bagged at later date (2-1-02). No sample density measurements due to wet samples.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
2/1/2002	BCS00009851	500.00	502.50	Samples to be decanted, dried & bagged at later date (2-1-02). Driller's estimate H2O product. No sample density measurements due to wet samples.
2/1/2002	BCS00009852	502.50	505.00	Samples to be decanted, dried & bagged at later date (2-1-02). Driller's estimate H2O product. Grading does not apply to SM.
2/1/2002	BCS00009853	505.00	507.50	Samples to be decanted, dried & bagged at later date (2-1-02). Driller's estimate H2O product.
2/1/2002	BCS00009854	507.50	510.00	Samples to be decanted, dried & bagged at later date (2-1-02). Driller's estimate H2O product. Grading does not apply to SM.
2/1/2002	BCS00009855	510.00	512.50	Samples to be decanted, dried & bagged at later date (2-1-02). Driller's estimate H2O product. Grading does not apply to SM.
2/1/2002	BCS00009856	512.50	515.00	Rotary splitter = 4/24 sample 1/6. Sample overflowed container with possible loss of clay content.
2/1/2002	BCS00009857	515.00	517.50	Rotary splitter 8/24 sample 1/3.
2/1/2002	BCS00009858	517.50	520.00	Grading does not apply to SM.
2/1/2002	BCS00009859	520.00	522.50	Stop hammer drilling at 522.14' for dirve core (22-2).
2/1/2002	BCS00009860	522.50	525.00	Red water return. 10YR 6/6 silt & some clear quartz. Core interval = 522.14 - 524.26'; sample 2-4 was transmitted to NWRPO lab with BAS00004002.
2/1/2002	BCS00009861	525.00	527.50	Samples to be decanted, dried & bagged at a later date (2-1&2-4-02). No sample density measurements due to wet samples. 10YR 6/6 silt. Grading does not apply to SM.
2/1/2002	BCS00009862	527.50	530.00	10YR 6/6 silt. Grading does not apply to SM.
2/1/2002	BCS00009863	530.00	532.50	Water production include "unloading" of water in borehole. Deviation survey = 0.5 degrees off vertical at 532'.
2/1/2002	BCS00009864	532.50	535.00	10YR 6/6 silt.
2/4/2002	BCS00009865	535.00	537.50	Grading does not apply to SM.
2/4/2002	BCS00009866	537.50	540.00	Grading does not apply to SM.
2/4/2002	BCS00009867	540.00	542.50	
2/4/2002	BCS00009868	542.50	545.00	
2/4/2002	BCS00009869	545.00	547.50	
2/4/2002	BCS00009870	547.50	550.00	Grading does not apply to SM.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
2/4/2002	BCS00009871	550.00	552.50	No sample density measurements due to wet samples. Samples to be decanted, dried & bagged at a later date (2-4-02).
2/4/2002	BCS00009872	552.50	555.00	Sample water overflow - loss of fines. Core run #3 from 552.52 - 554.99'. Water level = 471.53' bgl.
2/4/2002	BCS00009873	555.00	557.50	
2/4/2002	BCS00009874	557.50	560.00	
2/4/2002	BCS00009875	560.00	562.50	Grading does not apply to SM.
2/4/2002	BCS00009876	562.50	565.00	Grading does not apply to SM.
2/4/2002	BCS00009877	565.00	567.50	
2/4/2002	BCS00009878	567.50	570.00	Grading does not apply to SM.
2/4/2002	BCS00009879	570.00	572.50	
2/4/2002	BCS00009880	572.50	575.00	Core run #4 from 572.33 - 574.4'.
2/4/2002	BCS00009881	575.00	577.50	No sample density measurements due to wet samples. Samples to be decanted, dried & logged at later date (2-4-02).
2/4/2002	BCS00009882	577.50	580.00	Add 2 more pies to splitter 6 total = 6/24 = 1/4 split.
2/4/2002	BCS00009883	580.00	582.50	
2/4/2002	BCS00009884	582.50	585.00	
2/4/2002	BCS00009885	585.00	587.50	
2/4/2002	BCS00009886	587.50	590.00	
2/4/2002	BCS00009887	590.00	592.50	Add 4 more pies to rotary splitter (10 total) 2/24 samples = 1/12 split. Air lift water 5 gal 18 sec = 15 gpm.
2/4/2002	BCS00009888	592.50	595.00	
2/4/2002	BCS00009889	595.00	600.00	Changed to 5' sample interval below 595'.
2/5/2002	BCS00009890	600.00	605.00	Using 10 pie covers - sample = 2/24 = 1/12 split. No sample density measurements due to wet samples. Grading does not apply to SM.

Alluvium Drill Cuttings Logging Form Comments - Nye County Nuclear Waste Repository Project Office

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
2/5/2002	BCS00009891	605.00	610.00	Grading does not apply to SM.
2/5/2002	BCS00009892	610.00	615.00	Water temperature measured at 68 degrees F.
2/5/2002	BCS00009893	615.00	620.00	
2/5/2002	BCS00009894	620.00	625.00	Grading does not apply to SM.
2/5/2002	BCS00009895	625.00	630.00	10 pie covers on rotary splitter 2/24 = 1/12 split. No sample density measurements due to wet samples. Grading does not apply to SM.
2/5/2002	BCS00009896	630.00	635.00	Measure water temperature at 631.2' at 72 degrees F. Grading does not apply to SM.
2/5/2002	BCS00009897	635.00	640.00	Grading does not apply to SM.
2/5/2002	BCS00009898	640.00	645.00	Grading does not apply to SM.
2/5/2002	BCS00009899	645.00	650.00	
2/5/2002	BCS00009900	650.00	655.00	
2/5/2002	BCS00009901	655.00	660.00	Grading does not apply to SM.
2/5/2002	BCS00009902	660.00	665.00	Grading does not apply to SM.
2/5/2002	BCS00009903	665.00	670.00	Run drive core #22-5 669.79 - 671.87' pg 42 DAL. Grading does not apply to SM.
2/5/2002	BCS00009904	670.00	675.00	Poor recovery.
2/5/2002	BCS00009905	675.00	680.00	No sample density measurements due to wet samples. Grading does not apply to SM.
2/5/2002	BCS00009906	680.00	685.00	Grading does not apply to SM.
2/5/2002	BCS00009907	685.00	690.00	Grading does not apply to SM.
2/5/2002	BCS00009908	690.00	695.00	There are 10 pie covers on rotary splitter, so 2/24 = 1/12 split. SMF is sampling from the waste discharge side. Grading does not apply to SM.
2/5/2002	BCS00009909	695.00	700.00	Grading does not apply to SM.
2/5/2002	BCS00009910	700.00	705.00	Grading does not apply to SM.

Alluvium Drill Cuttings Logging Form Comments - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-22PA** (Phase 3)

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
2/5/2002	BCS00009911	705.00	710.00	710' - hole is making more water and his hammer is almost watered out, and the ROP has dropped accordingly. With the longer drill time, more water is introduced while sampling so there are many more buckets/sample. H2O steaming; temp = 80 degrees F. Core run #6 709.23' - 711.09'. Borehole diameter from 357.5' - 707.8' is 7 1/8". Borehole diameter from 707.8' to T.D. is 5 7/8". Grading does not apply to SM.
2/5/2002	BCS00009912	710.00	715.00	Core run #6 709.23 - 711.09'. Sample 710 - 715' overdrills core run. Start open hole drilling at 710.2'. Poor recovery. Conventional air rotary. Grading does not apply to SM.
2/5/2002	BCS00009913	715.00	720.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009914	720.00	725.00	
2/5/2002	BCS00009915	725.00	730.00	Distinct color change at approx. 729' 5YR 5/6 - likely oxidation zone. No sample density measurements due to wet samples. Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009916	730.00	735.00	Poor recovery. Lost circulation from 719.5 - 739'. Grading does not apply to SM.
2/5/2002	BCS00009917	735.00	740.00	Poor recovery. Lost circulation from 719.5 - 739'. Grading does not apply to SM.
2/5/2002	BCS00009918	740.00	745.00	Core run #7, 740.5 - 742.6'. Poor recovery.
2/5/2002	BCS00009919	745.00	750.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009920	750.00	755.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009921	755.00	760.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009922	760.00	765.00	No recovery run #8 760.3 - 760.6'. Poor recovery.
2/5/2002	BCS00009923	765.00	770.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009924	770.00	775.00	Poor recovery. Grading does not apply to SM.
2/5/2002	BCS00009925	775.00	780.00	No sample density measurements due to wet samples. T.D. = 779.74'. Poor recovery. Grading does not apply to SM.