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

Borehole ID: **NC-EWDP-28P** (Phase 4)

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
10/21/2002	BCS00040900	0.00	2.50	Hole is hogging out at top (0.0 to 18'). All colors will be determined wet, reference: Munsell Rock Color Chart. Grain shape determination is based on greatest degree of rounding observed.
10/21/2002	BCS00040901	2.50	5.00	
10/21/2002	BCS00040902	5.00	7.50	
10/21/2002	BCS00040903	7.50	10.00	
10/21/2002	BCS00040904	10.00	12.50	
10/21/2002	BCS00040905	12.50	15.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040906	15.00	17.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040907	17.50	20.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040908	20.00	22.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040909	22.50	25.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040910	25.00	27.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040911	27.50	30.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040912	30.00	32.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040913	32.50	35.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040914	35.00	37.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040915	37.50	40.00	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040916	40.00	42.50	Injection water utilized - do not submit to lab for moisture determination.
10/21/2002	BCS00040917	42.50	45.00	
10/21/2002	BCS00040918	45.00	47.50	
10/21/2002	BCS00040919	47.50	50.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
10/21/2002	BCS00040920	50.00	52.50	
10/21/2002	BCS00040921	52.50	55.00	
10/21/2002	BCS00040922	55.00	57.50	
10/21/2002	BCS00040923	57.50	60.00	
10/22/2002	BCS00040924	60.00	62.50	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040925	62.50	65.00	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040926	65.00	67.50	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040927	67.50	70.00	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040928	70.00	72.50	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040929	72.50	75.00	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040930	75.00	77.50	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040931	77.50	80.00	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040932	80.00	82.50	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing. Sample contamination due to repeated rod lifting/clean-out [0-100 ft].
10/22/2002	BCS00040933	82.50	85.00	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040934	85.00	87.50	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040935	87.50	90.00	CaCO3 grain coatings on rounded to subrounded gravels. Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040936	90.00	92.50	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040937	92.50	95.00	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040938	95.00	97.50	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.
10/22/2002	BCS00040939	97.50	100.00	Fines are lost at cyclone collector due to air winnowing. Sample size approximately 2 gals (Ideal = 4.3). Approximate 50% loss due to winnowing.

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10/22/2002	BCS00040940	100.00	102.50	Conditioning hole with Max Gel. Contamination of samples due to continued rod lifting/clean-out in tight hole [0-100 ft]. Conditioning is accomplished using Nye Co. technique = blow dry conditioned hole before advancing.
10/22/2002	BCS00040941	102.50	105.00	
10/22/2002	BCS00040942	105.00	107.50	
10/22/2002	BCS00040943	107.50	110.00	
10/22/2002	BCS00040944	110.00	112.50	
10/22/2002	BCS00040945	112.50	115.00	
10/22/2002	BCS00040946	115.00	117.50	
10/22/2002	BCS00040947	117.50	120.00	
10/22/2002	BCS00040948	120.00	122.50	
10/22/2002	BCS00040949	122.50	125.00	
10/22/2002	BCS00040950	125.00	127.50	
10/22/2002	BCS00040951	127.50	130.00	
10/22/2002	BCS00040952	130.00	132.50	
10/22/2002	BCS00040953	132.50	135.00	
10/22/2002	BCS00040954	135.00	137.50	
10/22/2002	BCS00040955	137.50	140.00	
10/22/2002	BCS00040956	140.00	142.50	
10/22/2002	BCS00040957	142.50	145.00	
10/22/2002	BCS00040958	145.00	147.50	
10/22/2002	BCS00040959	147.50	150.00	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
10/22/2002	BCS00040960	150.00	152.50	
10/22/2002	BCS00040961	152.50	155.00	
10/22/2002	BCS00040962	155.00	157.50	
10/22/2002	BCS00040963	157.50	160.00	
10/22/2002	BCS00040964	160.00	162.50	
10/22/2002	BCS00040965	162.50	165.00	
10/22/2002	BCS00040966	165.00	167.50	
10/22/2002	BCS00040967	167.50	170.00	
10/22/2002	BCS00040968	170.00	172.50	
10/22/2002	BCS00040969	172.50	175.00	
10/22/2002	BCS00040970	175.00	177.50	
10/22/2002	BCS00040971	177.50	180.00	
10/22/2002	BCS00040972	180.00	182.50	
10/22/2002	BCS00040973	182.50	185.00	
10/22/2002	BCS00040974	185.00	187.50	
10/22/2002	BCS00040975	187.50	190.00	
10/22/2002	BCS00040976	190.00	192.50	
10/22/2002	BCS00040977	192.50	195.00	
10/22/2002	BCS00040978	195.00	197.50	
10/22/2002	BCS00040979	197.50	200.00	

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10/22/2002	BCS00040980	200.00	202.50	
10/22/2002	BCS00040981	202.50	205.00	
10/22/2002	BCS00040982	205.00	207.50	
10/22/2002	BCS00040983	207.50	210.00	
10/22/2002	BCS00040984	210.00	212.50	
10/22/2002	BCS00040985	212.50	215.00	
10/22/2002	BCS00040986	215.00	217.50	
10/22/2002	BCS00040987	217.50	220.00	
10/22/2002	BCS00040988	220.00	222.50	
10/22/2002	BCS00040989	222.50	225.00	
10/22/2002	BCS00040990	225.00	227.50	
10/22/2002	BCS00040991	227.50	230.00	
10/22/2002	BCS00040992	230.00	232.50	
10/22/2002	BCS00040993	232.50	235.00	
10/22/2002	BCS00040994	235.00	237.50	
10/22/2002	BCS00040995	237.50	240.00	Bedrock at 240 ft. Change to Non-Alluvium Form (NALF).