Non-Alluvium Logging Form - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-10SA** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 750 to 1200 Start Date: 7/26/2001 End Date: 7/27/2001

Logged		Checked		Sample	Depth Interval (feet/bgs)		Drilling/Coring Data: Liquid Drilling Fluid Injection Rate (gpm)	Drilling/Coring Rate (feet/min)	Water Production (gpm)	Sample Recovery (gallons)	Sample Density Data: Borehole Diameter (inches)	Tare Weight (kg)	Sample Plus Tare Weight (kg)	Sample Weight (kg)	Munsell Color Symbol
07/26/01	KDD	09/14/01	jsw	BCS00009684	750.00	755.00	2.0	2.5	10.7		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009685	755.00	760.00	2.0	5.0	20.8		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009686	760.00	765.00	2.0	2.5	7.2		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009687	765.00	770.00	2.0	2.5	8.0		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009688	770.00	775.00	2.0	5.0	13.3		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009689	775.00	780.00	2.0	2.5	9.3		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009690	780.00	785.00	2.0	2.5	6.1		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009691	785.00	790.00	2.0	2.5	8.8		5.4				5YR 5/1
07/26/01	KDD	09/14/01	jsw	BCS00009692	790.00	795.00	2.0	2.5	12.3		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009693	795.00	800.00	2.0	1.6	7.7		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009694	800.00	805.00	2.0	1.7	6.9		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009695	805.00	810.00	2.0	2.5	12.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009696	810.00	815.00	2.0	2.5	12.5		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009697	815.00	820.00	2.0	1.7	16.1		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009698	820.00	825.00	2.0	2.5	12.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009699	825.00	830.00	2.0	1.3	7.9		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009700	830.00	835.00	2.0	2.5	8.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009701	835.00	840.00	2.0	1.7	8.2		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009702	840.00	845.00	2.0	1.7	9.3		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009703	845.00	850.00	2.0	1.7	15.0		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009704	850.00	855.00	2.0	1.7	13.9		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009705	855.00	860.00	2.0	2.5	12.0		5.4				5YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009706	860.00	865.00	2.0	1.7	13.1		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009707	865.00	870.00	2.0	1.7	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009708	870.00	875.00	2.0	2.5	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009709	875.00	880.00	2.0	1.7	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009710	880.00	885.00	2.0	1.7	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009711	885.00	890.00	2.0	1.7	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009712	890.00	895.00	2.0	1.7	10.0		5.4				5YR 4/2-5/6

Sample	Moisture Content: Not Applicable	Dry	Moist	Wet	HCL Reaction: None	Weak	Strong	Rock Unit – Tuff – Deposition: Ash Fall	Ash Flow	Reworked	Welding: Dense	Moderate	Weak	None	Alteration: Vitric	Devitrified	Matrix	Vapor Phase	Spherulitic
BCS00009684				✓	✓				✓		✓						✓		
BCS00009685				✓	✓				✓		✓						✓		
BCS00009686				✓	✓				✓		✓						✓		
BCS00009687				✓	✓				✓		✓						✓		
BCS00009688				✓	✓				✓		✓						✓		
BCS00009689				✓	✓				✓		✓						✓		
BCS00009690				✓	✓				✓		✓						✓		
BCS00009691				✓	✓				✓		✓						✓		
BCS00009692				✓	✓					✓	✓						✓		
BCS00009693				✓	✓					✓	✓						✓		
BCS00009694				✓	✓					✓	✓						✓		
BCS00009695				✓	✓					✓	✓						✓		
BCS00009696				✓	✓					✓	✓						✓		
BCS00009697				✓	✓					✓	✓						✓		
BCS00009698				✓	✓					✓	✓						✓		
BCS00009699				✓	✓					✓	✓						✓		
BCS00009700				✓	✓					✓	✓						✓		
BCS00009701				✓	✓					✓	✓						✓		
BCS00009702				✓	✓					✓	✓						✓		
BCS00009703				✓	✓					✓	✓						✓		
BCS00009704				✓	✓					✓	✓						✓		
BCS00009705				✓	✓					✓	✓						✓		
BCS00009706				✓	✓					✓	✓						✓		
BCS00009707				✓	✓					✓	✓						✓		
BCS00009708				✓	✓					✓	✓						✓		
BCS00009709				✓	✓					✓	✓						✓		
BCS00009710				✓	✓					✓	✓						✓		
BCS00009711				✓	✓					✓	✓						✓		
BCS00009712				✓	✓					✓	✓						✓		

Sample	Rock Unit – Sedimentary: Claystone	Mudstone	Siltstone	Sandstone	Conglomerate	Chert	Carbonate: Limestone	Dolomite	Other	Weathering: Fresh	Slight	Moderate	High	Decomposed	Structure: None Observed	Stratified	Laminated	Fractured	Other	Matrix: Dense/Non-porous	Open/Porous	Other
BCS00009684										✓					✓						✓	
BCS00009685										✓					✓						✓	
BCS00009686										✓					✓						✓	
BCS00009687										✓					✓						✓	
BCS00009688										✓					✓						✓	
BCS00009689										✓					✓						✓	
BCS00009690										✓					✓						✓	
BCS00009691										✓					✓						✓	
BCS00009692					✓					✓					✓					✓		
BCS00009693					✓					✓					✓					✓		
BCS00009694					✓						✓				✓						✓	
BCS00009695					✓						✓				✓						✓	
BCS00009696					✓						✓				✓						✓	
BCS00009697					✓						✓				✓						✓	
BCS00009698					✓						✓				✓						✓	
BCS00009699					✓						✓				✓						✓	
BCS00009700					✓						✓				✓						✓	
BCS00009701					✓						✓				✓						✓	
BCS00009702					✓						✓				✓						✓	
BCS00009703					✓						✓				✓						✓	
BCS00009704					✓						✓				✓						✓	
BCS00009705					✓						✓				✓						✓	
BCS00009706					✓						✓				✓						✓	
BCS00009707					✓						✓				✓						✓	
BCS00009708					✓						✓				✓						✓	
BCS00009709					✓						✓				✓						✓	
BCS00009710					✓						✓				✓						✓	
BCS00009711					✓						✓				✓						✓	
BCS00009712					✓						✓				✓						✓	

Sample	Phenocrysts – Mafics: % by Vol.	Munsell Color Symbol	Max. Size (mm)	Quartz: % by Vol.	Munsell Color Symbol	Max. Size (mm)	Feldspar: % by Vol.	Munsell Color Symbol	Max. Size (mm)	Clasts – Pumice: % by Vol.	Munsell Color Symbol	Max. Size (mm)	Lithics: % by Vol.	Munsell Color Symbol	Max. Size (mm)
BCS00009684	2	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009685	2	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009686	3	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	5	N4	2
BCS00009687	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009688	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009689	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009690	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009691	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009692	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009693	3	N2		10	COLORLESS	2	0	N/A	0	0	N/A	0	2	N2	1
BCS00009694	3	N2	1	10	COLORLESS	1	0	N/A	0	0	N/A	0	2	N2	1
BCS00009695	3	N2	1	2	COLORLESS	1	0	N/A	0	0	N/A	0	2	N2	1
BCS00009696	3	N2	1	2	COLORLESS	1	0	N/A	0	0	N/A	0	2	N2	1
BCS00009697	3	N2	1	2	COLORLESS	1	0	N/A	0	0	N/A	0	2	N2	1
BCS00009698	3	N2	1	2	COLORLESS	1	0	N/A	0	0	N/A	0	2	N2	1
BCS00009699	3	N2	1	2	COLORLESS	4	0	N/A	0	0	N/A	0	2	N2	1
BCS00009700	3	N2	1	2	COLORLESS	1	0	N/A	0	20	N6	7	2	N2	1
BCS00009701	0	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009702	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009703	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009704	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009705	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009706	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009707	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009708	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N6	3	2	N2	1
BCS00009709	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N/A	3	2	N2	1
BCS00009710	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N/A	3	2	N2	1
BCS00009711	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N/A	3	2	N2	1
BCS00009712	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N/A	3	2	N2	1

Non-Alluvium Logging Form - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-10SA** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 750 to 1200 Start Date: 7/26/2001 End Date: 7/27/2001

Logged		Checked		Sample	Depth Interval (feet/bgs)		Drilling/Coring Data				Sample Density Data				Munsell Color Symbol
							Liquid Drilling Fluid Injection Rate (gpm)	Drilling/Coring Rate (feet/min)	Water Production (gpm)	Sample Recovery (gallons)	Borehole Diameter (inches)	Tare Weight (kg)	Sample Plus Tare Weight (kg)	Sample Weight (kg)	
07/26/01	KDD	09/14/01	jsw	BCS00009713	895.00	900.00	2.0	2.5	10.0		5.4				5YR 4/2-5/6
07/26/01	KDD	09/14/01	jsw	BCS00009714	900.00	905.00	2.0	1.7	20.0		5.4				5YR 5/4
07/26/01	KDD	09/14/01	jsw	BCS00009715	905.00	910.00	2.0	2.5	20.0		5.4				10YR 6/2
07/26/01	KDD	09/14/01	jsw	BCS00009716	910.00	915.00	2.0	1.7	20.0		5.4				10YR 6/2
07/26/01	KDD	09/14/01	jsw	BCS00009717	915.00	920.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009718	920.00	925.00	2.0	2.5	20.0		5.4				5YR 5/4
07/26/01	KDD	09/14/01	jsw	BCS00009719	925.00	930.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009720	930.00	935.00	2.0	2.5	20.0		5.4				5YR 5/4
07/26/01	KDD	09/14/01	jsw	BCS00009721	935.00	940.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009722	940.00	945.00	2.0	2.5	20.0		5.4				10YR 5/2
07/26/01	KDD	09/14/01	jsw	BCS00009723	945.00	950.00	2.0	2.5	20.0		5.4				5YR 5/4
07/26/01	KDD	09/14/01	jsw	BCS00009724	950.00	955.00	2.0	1.7	20.0		5.4				5YR 5/4
07/26/01	KDD	09/14/01	jsw	BCS00009725	955.00	960.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009726	960.00	965.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009727	965.00	970.00	2.0	1.3	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009728	970.00	975.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009729	975.00	980.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009730	980.00	985.00	2.0	2.5	20.0		5.4				10YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009731	985.00	990.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009732	990.00	995.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009733	995.00	1000.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009734	1000.00	1005.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009735	1005.00	1010.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009736	1010.00	1015.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009737	1015.00	1020.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009738	1020.00	1025.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009739	1025.00	1030.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009740	1030.00	1035.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009741	1035.00	1040.00	2.0	1.7	20.0		5.4				5YR 4/4

Sample	Moisture Content				HCL Reaction			Rock Unit – Tuff – Deposition			Welding				Alteration					Sedimentary						Carbonate			Weathering					Structure					Matrix		
	Not Applicable	Dry	Moist	Wet	None	Weak	Strong	Ash Fall	Ash Flow	Reworked	Dense	Moderate	Weak	None	Vitric	Devitrified	Matrix	Vapor Phase	Spherulitic	Claystone	Mudstone	Siltstone	Sandstone	Conglomerate	Chert	Limestone	Dolomite	Other	Fresh	Slight	Moderate	High	Decomposed	None Observed	Stratified	Laminated	Fractured	Other	Dense/Non-porous	Open/Porous	Other
BCS00009713				✓	✓					✓	✓						✓							✓						✓				✓						✓	
BCS00009714				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009715				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009716				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009717				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009718				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009719				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009720				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009721				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009722				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009723				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009724				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009725				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009726				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009727				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009728				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009729				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009730				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009731				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009732				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009733				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009734				✓	✓					✓	✓						✓							✓						✓				✓						✓	
BCS00009735				✓	✓					✓	✓						✓							✓						✓				✓						✓	
BCS00009736				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009737				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009738				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009739				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009740				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009741				✓	✓					✓	✓						✓							✓					✓					✓						✓	

Sample	Phenocrysts – Mafics			Phenocrysts – Quartz			Phenocrysts – Feldspar			Clasts – Pumice			Clasts – Lithics		
	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)
BCS00009713	1	N2	1	2	COLORLESS	1	0	N/A	0	5	N/A	3	2	N2	1
BCS00009714	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009715	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009716	1	N2	1	5	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009717	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009718	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009719	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009720	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009721	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009722	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009723	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009724	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009725	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009726	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009727	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	1	N2	2
BCS00009728	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009729	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009730	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009731	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009732	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009733	1	N2	1	10	COLORLESS	2	0	N/A	0	5	N6	6	1	N2	2
BCS00009734	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009735	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009736	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009737	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009738	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009739	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009740	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009741	1	N2	1	10	COLORLESS	3	0	N/A	0	5	N6	6	0	N/A	0

Non-Alluvium Logging Form - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-10SA** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 750 to 1200 Start Date: 7/26/2001 End Date: 7/27/2001

Logged		Checked		Sample	Depth Interval (feet/bgs)		Drilling/Coring Data				Sample Density Data				Munsell Color Symbol
							Liquid Drilling Fluid Injection Rate (gpm)	Drilling/Coring Rate (feet/min)	Water Production (gpm)	Sample Recovery (gallons)	Borehole Diameter (inches)	Tare Weight (kg)	Sample Plus Tare Weight (kg)	Sample Weight (kg)	
07/26/01	KDD	09/14/01	jsw	BCS00009742	1040.00	1045.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009743	1045.00	1050.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009744	1050.00	1055.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009745	1055.00	1060.00	2.0	5.0	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009746	1060.00	1065.00	2.0	1.7	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009747	1065.00	1070.00	2.0	0.6	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009748	1070.00	1075.00	2.0	1.3	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009749	1075.00	1080.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009750	1080.00	1085.00	2.0	2.5	20.0		5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009751	1085.00	1090.00	2.0	1.7	20.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009752	1090.00	1095.00	2.0	1.7	20.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009753	1095.00	1100.00	2.0	1.3	20.0		5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009754	1100.00	1105.00	2.0	1.0			5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009755	1105.00	1110.00	2.0	1.0			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009756	1110.00	1115.00	2.0	1.0			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009757	1115.00	1120.00	2.0	1.7			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009758	1120.00	1125.00	2.0	1.3			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009759	1125.00	1130.00	2.0	1.3			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009760	1130.00	1135.00	2.0	2.5			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009761	1135.00	1140.00	2.0	2.5			5.4				5YR 4/4
07/26/01	KDD	09/14/01	jsw	BCS00009762	1140.00	1145.00	2.0	1.7			5.4				5YR 4/2
07/26/01	KDD	09/14/01	jsw	BCS00009763	1145.00	1150.00	2.0	2.5			5.4				5YR 4/2
07/27/01	KDD	09/14/01	jsw	BCS00009764	1150.00	1155.00	2.0	1.3			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009765	1155.00	1160.00	2.0	0.8			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009766	1160.00	1165.00	2.0	1.3			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009767	1165.00	1170.00	2.0	1.3			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009768	1170.00	1175.00	2.0	1.3			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009769	1175.00	1180.00	2.0	1.7			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009770	1180.00	1185.00	2.0	1.7			5.4				5YR 4/4

Sample	Moisture Content: Not Applicable	Dry	Moist	Wet	HCL Re-action: None	Weak	Strong	Tuff Deposition: Ash Fall	Ash Flow	Reworked	Tuff Welding: Dense	Moderate	Weak	None	Tuff Alteration: Vitric	Devitrified	Matrix	Vapor Phase	Spherulitic	Sedimentary: Claystone	Mudstone	Siltstone	Sandstone	Conglomerate	Chert	Carbonate: Limestone	Dolomite	Rock Unit: Other	Weathering: Fresh	Slight	Moderate	High	Decomposed	Structure: None Observed	Stratified	Laminated	Fractured	Other	Matrix: Dense/Non-porous	Open/Porous	Other
BCS00009742				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009743				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009744				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009745				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009746				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009747				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009748				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009749				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009750				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009751				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009752				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009753				✓	✓					✓	✓						✓							✓					✓					✓						✓	
BCS00009754				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009755				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009756				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009757				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009758				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009759				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009760				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009761				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009762				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009763				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009764				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009765				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009766				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009767				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009768				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009769				✓	✓					✓	✓													✓					✓					✓						✓	
BCS00009770				✓	✓					✓	✓													✓					✓					✓						✓	

Sample	Phenocrysts: Mafics % by Vol.	Munsell Color Symbol	Max. Size (mm)	Quartz % by Vol.	Munsell Color Symbol	Max. Size (mm)	Feldspar % by Vol.	Munsell Color Symbol	Max. Size (mm)	Clasts: Pumice % by Vol.	Munsell Color Symbol	Max. Size (mm)	Lithics % by Vol.	Munsell Color Symbol	Max. Size (mm)
BCS00009742	1	N2	1	10	COLORLESS	3	0	N/A	0	5	N6	6	0	N/A	0
BCS00009743	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009744	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009745	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009746	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009747	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009748	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009749	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009750	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009751	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009752	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009753	1	N2	1	10	COLORLESS	3	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009754	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009755	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009756	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009757	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009758	1	N2	1	10	COLORLESS	4	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009759	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009760	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009761	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	5	N6	4
BCS00009762	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	5	N6	4
BCS00009763	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	5	N6	4
BCS00009764	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009765	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009766	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009767	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009768	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009769	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009770	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0

Non-Alluvium Logging Form - Nye County Nuclear Waste Repository Project Office

Borehole ID: **NC-EWDP-10SA** (Phase 3) Driller/Drilling Company: Brian Mikelson/Eklund Drilling Co. Drilling Method: Reverse Circulation Air Rotary Alluvium Depth (ft bgs): 750 to 1200 Start Date: 7/26/2001 End Date: 7/27/2001

Logged		Checked		Sample	Depth Interval (feet/bgs)		Drilling/Coring Data				Sample Density Data				Munsell Color Symbol
							Liquid Drilling Fluid Injection Rate (gpm)	Drilling/Coring Rate (feet/min)	Water Production (gpm)	Sample Recovery (gallons)	Borehole Diameter (inches)	Tare Weight (kg)	Sample Plus Tare Weight (kg)	Sample Weight (kg)	
07/27/01	KDD	09/14/01	jsw	BCS00009771	1185.00	1190.00	2.0	2.5			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009772	1190.00	1195.00	2.0	1.7			5.4				5YR 4/4
07/27/01	KDD	09/14/01	jsw	BCS00009773	1195.00	1200.00	2.0	2.5			5.4				5YR 5/6

Sample	Moisture Content				HCL Re-action			Rock Unit: Tuff: Depo-sition			Welding				Alteration				
	Not Applicable	Dry	Moist	Wet	None	Weak	Strong	Ash Fall	Ash Flow	Reworked	Dense	Moderate	Weak	None	Vitric	Devitrified	Matrix	Vapor Phase	Spherulitic
BCS00009771				✔	✔					✔	✔								
BCS00009772				✔	✔					✔	✔								
BCS00009773				✔	✔					✔	✔								

Sample	Sedimentary						Car-bon-ate		Other	Weathering					Structure					Matrix		
	Claystone	Mudstone	Siltstone	Sandstone	Conglomerate	Chert	Limestone	Dolomite	Other	Fresh	Slight	Moderate	High	Decomposed	None Observed	Stratified	Laminated	Fractured	Other	Dense/Non-porous	Open/Porous	Other
BCS00009771					✔					✔					✔						✔	
BCS00009772					✔					✔					✔						✔	
BCS00009773					✔					✔					✔						✔	

Sample	Phenocrysts: Mafics			Quartz			Feldspar			Clasts: Pumice			Lithics		
	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)	% by Vol.	Munsell Color Symbol	Max. Size (mm)
BCS00009771	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009772	1	N2	1	10	COLORLESS	2	0	N/A	0	0	N/A	0	0	N/A	0
BCS00009773	1	N2	1	10	COLORLESS	5	0	N/A	0	0	N/A	0	0	N/A	0