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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/2/2003	19PB-350.8-351.9-SC	350.80	351.90	Dimension of core bit is: 6.163 inch OD x 4.912 inch ID.
12/2/2003	19PB-350.8-352.4-SC	350.80	352.40	
12/2/2003	19PB-350.8-353.6-SC	350.80	353.60	
12/2/2003	19PB-351.9-353.6-SC	351.90	353.60	
12/2/2003	19PB-352.4-352.9-SC	352.40	352.90	
12/2/2003	19PB-352.9-353.3-SC	352.90	353.30	Includes one 4 in. diameter clast.
12/2/2003	19PB-353.3-353.6-SC	353.30	353.60	
12/2/2003	19PB-353.6-353.7-SC	353.60	353.70	
12/2/2003	19PB-353.6-355.0-SC	353.60	355.00	
12/2/2003	19PB-353.7-354.3-SC	353.70	354.30	
12/2/2003	19PB-353.7-355.0-SC	353.70	355.00	
12/2/2003	19PB-354.3-355.0-SC	354.30	355.00	
12/2/2003	19PB-355.0-355.6-SC	355.00	355.60	
12/2/2003	19PB-355.0-356.6-SC	355.00	356.60	
12/2/2003	19PB-355.0-359.3-SC	355.00	359.30	
12/2/2003	19PB-355.6-357.5-SC	355.60	357.50	
12/2/2003	19PB-356.6-356.9-SC	356.60	356.90	Possible ash bed mixed with alluvium.
12/2/2003	19PB-356.9-357.9-SC	356.90	357.90	
12/2/2003	19PB-357.5-359.3-SC	357.50	359.30	
12/2/2003	19PB-357.9-359.3-SC	357.90	359.30	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/3/2003	19PB-359.3-360.0-SC	359.30	360.00	
12/3/2003	19PB-359.3-361.4-SC	359.30	361.40	
12/3/2003	19PB-359.3-363.1-SC	359.30	363.10	
12/3/2003	19PB-360.0-361.7-SC	360.00	361.70	
12/3/2003	19PB-361.4-363.1-SC	361.40	363.10	
12/3/2003	19PB-361.7-362.0-SC	361.70	362.00	
12/3/2003	19PB-362.0-363.1-SC	362.00	363.10	
12/3/2003	19PB-363.1-364.6-SC	363.10	364.60	
12/3/2003	19PB-363.1-365.0-SC	363.10	365.00	
12/3/2003	19PB-363.1-367.0-SC	363.10	367.00	
12/3/2003	19PB-364.6-364.9-SC	364.60	364.90	
12/3/2003	19PB-364.9-366.7-SC	364.90	366.70	
12/3/2003	19PB-365.0-367.0-SC	365.00	367.00	
12/3/2003	19PB-366.7-367.0-SC	366.70	367.00	
12/3/2003	19PB-367.0-368.5-SC	367.00	368.50	
12/3/2003	19PB-367.0-368.8-SC	367.00	368.80	
12/3/2003	19PB-367.0-371.1-SC	367.00	371.10	
12/3/2003	19PB-368.5-369.9-SC	368.50	369.90	Apparent top of saturated zone @ 368.5 ft. Orange oxyhorizon is present.
12/3/2003	19PB-368.8-371.0-SC	368.80	371.00	
12/3/2003	19PB-369.9-371.0-SC	369.90	371.00	Unrecovered at bottom of Run 6 was recovered on Run 7 and backed up into Run 6.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/3/2003	19PB-371.0-371.1-SC	371.00	371.10	Lost core interval from Run 6 was recovered at top of Run 7
12/3/2003	19PB-371.0-372.9-SC	371.00	372.90	After extracting samples it was observed that a contact was present at 371.7 ft. Suspect gravel content measured in field.
12/3/2003	19PB-371.0-373.6-SC	371.00	373.60	
12/3/2003	19PB-371.1-375.4-SC	371.10	375.40	
12/3/2003	19PB-372.9-373.6-SC	372.90	373.60	
12/3/2003	19PB-373.6-374.6-SC	373.60	374.60	
12/3/2003	19PB-373.6-375.4-SC	373.60	375.40	
12/3/2003	19PB-374.6-375.4-SC	374.60	375.40	Sample/interval has dark horizon at top ~374.6 - 375.0 5Y 2.5/1 that may represent a soil profile.
12/3/2003	19PB-375.4-375.7-SC	375.40	375.70	Lost core was a result of over cleanout after pushing casing.
12/3/2003	19PB-375.7-376.5-SC	375.70	376.50	No photo taken of sample core segments. Weight of 8D 375.7 - 376.5 SC (24.40 kg) includes 0.68 ft fill. Weight = (1.04/(0.68 + 1.04)*24.40) = 14.75 kg.
12/3/2003	19PB-375.7-377.1-SC	375.70	377.10	
12/3/2003	19PB-375.7-380.0-SC	375.70	380.00	Discarded 0.68 ft of fill at top of Run 8.
12/3/2003	19PB-376.5-378.4-SC	376.50	378.40	
12/3/2003	19PB-377.1-377.4-SC	377.10	377.40	
12/3/2003	19PB-377.4-378.1-SC	377.40	378.10	Sample in the core tray had a large gravel/cobble that couldn't be removed. It appeared to be GW-GC, but the sample sent to the lab looks incorrectly to be a SW-SC.
12/3/2003	19PB-378.1-378.4-SC	378.10	378.40	
12/3/2003	19PB-378.4-380.0-SC	378.40	380.00	
12/4/2003	19PB-379.3-380.0-C	379.30	380.00	
12/4/2003	19PB-380.00-380.50-C	380.00	380.50	Sample 380.00 - 380.50 - C contained several large basaltic boulder fragments.
12/4/2003	19PB-380.00-381.31-C	380.00	381.31	Drive core intervals are expressed to 2 significant figures because of the 0.25 ft liners. Sample plus tare weight not recorded (in error).

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/4/2003	19PB-380.50-381.00-C	380.50	381.00	
12/4/2003	19PB-381.00-381.31-C	381.00	381.31	
12/4/2003	19PB-381.3-382.4-SC	381.30	382.40	
12/4/2003	19PB-381.3-382.8-SC	381.30	382.80	
12/4/2003	19PB-381.3-386.1-SC	381.30	386.10	
12/4/2003	19PB-382.4-383.7-SC	382.40	383.70	Suspect gravel content measured in field.
12/4/2003	19PB-382.8-384.4-SC	382.80	384.40	
12/4/2003	19PB-383.7-386.1-SC	383.70	386.10	
12/4/2003	19PB-384.4-386.1-SC	384.40	386.10	
12/4/2003	19PB-386.1-387.2-SC	386.10	387.20	
12/4/2003	19PB-386.1-387.6-SC	386.10	387.60	
12/4/2003	19PB-386.1-396.1-SC	386.10	396.10	
12/4/2003	19PB-387.2-388.9-SC	387.20	388.90	At 387.2 ft is a 3 in. decomposed ashflow boulder fragment.
12/4/2003	19PB-387.6-389.3-SC	387.60	389.30	
12/4/2003	19PB-388.9-394.1-SC	388.90	394.10	At 394.9 ft is a 5 in. decomposed basalt boulder fragment.
12/4/2003	19PB-389.3-390.9-SC	389.30	390.90	
12/4/2003	19PB-390.9-392.7-SC	390.90	392.70	
12/4/2003	19PB-392.7-394.4-SC	392.70	394.40	
12/4/2003	19PB-394.1-395.4-SC	394.10	395.40	
12/4/2003	19PB-394.4-396.1-SC	394.40	396.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/4/2003	19PB-395.4-396.1-SC	395.40	396.10	Suspect gravel content measured in field. Material appears to be SC.
12/5/2003	19PB-396.1-396.3-SC	396.10	396.30	Cleanout prior to Core Run 12 overdrilled 0.2 ft (396.1 - 396.3 ft).
12/4/2003	19PB-396.3-396.8-SC	396.30	396.80	
12/5/2003	19PB-396.3-397.1-SC	396.30	397.10	
12/4/2003	19PB-396.3-406.1-SC	396.30	406.10	
12/4/2003	19PB-396.8-398.6-SC	396.80	398.60	
12/5/2003	19PB-397.1-398.2-SC	397.10	398.20	
12/5/2003	19PB-398.2-398.7-SC	398.20	398.70	
12/4/2003	19PB-398.6-400.5-SC	398.60	400.50	
12/5/2003	19PB-398.7-399.8-SC	398.70	399.80	
12/5/2003	19PB-399.8-401.1-SC	399.80	401.10	
12/4/2003	19PB-400.5-402.4-SC	400.50	402.40	
12/5/2003	19PB-401.1-406.1-SC	401.10	406.10	
12/4/2003	19PB-402.4-404.2-SC	402.40	404.20	
12/4/2003	19PB-404.2-406.1-SC	404.20	406.10	
12/5/2003	19PB-406.1-406.3-SC	406.10	406.30	Cleanout prior to Core run 13 over drilled 0.2 ft (406.1 - 406.3 ft)
12/5/2003	19PB-406.3-407.5-SC	406.30	407.50	
12/5/2003	19PB-406.3-407.9-SC	406.30	407.90	
12/5/2003	19PB-406.3-416.1-SC	406.30	416.10	Large decomposed clasts of tuff and basalt are present in Run 13.
12/5/2003	19PB-407.5-407.9-SC	407.50	407.90	

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/5/2003	19PB-407.9-408.5-SC	407.90	408.50	
12/5/2003	19PB-407.9-409.4-SC	407.90	409.40	
12/5/2003	19PB-408.5-409.9-SC	408.50	409.90	
12/5/2003	19PB-409.4-411.1-SC	409.40	411.10	
12/5/2003	19PB-409.9-411.9-SC	409.90	411.90	
12/5/2003	19PB-411.1-412.7-SC	411.10	412.70	
12/5/2003	19PB-411.9-413.1-SC	411.90	413.10	
12/5/2003	19PB-412.7-414.5-SC	412.70	414.50	
12/5/2003	19PB-413.1-413.9-SC	413.10	413.90	Munsell Color 7.5YR 5/2, medium grayish brown is a result of decomposed ashflow tuff boulder clasts.
12/5/2003	19PB-413.9-414.4-SC	413.90	414.40	
12/5/2003	19PB-414.4-415.7-SC	414.40	415.70	
12/5/2003	19PB-414.5-416.1-SC	414.50	416.10	
12/5/2003	19PB-415.7-416.1-SC	415.70	416.10	
12/5/2003	19PB-416.1-416.2-SC	416.10	416.20	Cleanout prior to Core Run 14 overdrilled 0.2 ft (416.1 - 416.2 ft)
12/5/2003	19PB-416.2-416.8-SC	416.20	416.80	
12/5/2003	19PB-416.2-417.1-SC	416.20	417.10	
12/5/2003	19PB-416.2-424.4-SC	416.20	424.40	Large decomposed clasts of tuff and basalt are present in Run 14.
12/5/2003	19PB-416.8-418.4-SC	416.80	418.40	
12/5/2003	19PB-417.1-418.6-SC	417.10	418.60	
12/5/2003	19PB-418.4-419.6-SC	418.40	419.60	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/5/2003	19PB-418.6-420.1-SC	418.60	420.10	
12/5/2003	19PB-419.6-421.2-SC	419.60	421.20	
12/5/2003	19PB-420.1-421.5-SC	420.10	421.50	
12/5/2003	19PB-421.2-422.5-SC	421.20	422.50	
12/5/2003	19PB-421.5-423.0-SC	421.50	423.00	
12/5/2003	19PB-422.5-424.4-SC	422.50	424.40	
12/5/2003	19PB-423.0-424.4-SC	423.00	424.40	
12/5/2003	19PB-424.4-424.6-SC	424.40	424.60	Lost 0.2 ft on cleanout prior to Run 15 (424.4 - 424.6 ft).
12/5/2003	19PB-424.6-426.2-SC	424.60	426.20	
12/5/2003	19PB-424.6-428.7-SC	424.60	428.70	
12/5/2003	19PB-424.6-429.3-SC	424.60	429.30	Large decomposed clasts of tuff and basalt are present in Run 15.
12/5/2003	19PB-426.2-427.9-SC	426.20	427.90	
12/5/2003	19PB-427.9-429.3-SC	427.90	429.30	
12/5/2003	19PB-428.7-429.3-SC	428.70	429.30	
12/5/2003	19PB-429.3-429.5-SC	429.30	429.50	
12/6/2003	19PB-429.3-431.0-SC	429.30	431.00	Last core was left downhole and lost during cleanout run after Core Run 16.
12/5/2003	19PB-429.3-435.2-SC	429.30	435.20	
12/5/2003	19PB-429.5-431.2-SC	429.50	431.20	
12/6/2003	19PB-431.0-431.9-SC	431.00	431.90	
12/5/2003	19PB-431.2-432.8-SC	431.20	432.80	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/6/2003	19PB-431.9-432.4-SC	431.90	432.40	
12/6/2003	19PB-432.4-434.1-SC	432.40	434.10	From 432.4 - 432.9 ft is a highly decomposed tuff clast that yields a pinkish orange clayey material. Partial igneous texture is preserved.
12/5/2003	19PB-432.8-434.1-SC	432.80	434.10	
12/6/2003	19PB-434.1-435.2-SC	434.10	435.20	
12/6/2003	19PB-435.2-435.5-SC	435.20	435.50	
12/6/2003	19PB-435.5-436.1-SC	435.50	436.10	
12/6/2003	19PB-435.5-437.2-SC	435.50	437.20	
12/6/2003	19PB-435.5-445.3-SC	435.50	445.30	Run 17 displayed numerous depositional facies with gravel and clay increasing and decreasing at approximately 1 ft intervals.
12/6/2003	19PB-436.1-437.8-SC	436.10	437.80	
12/6/2003	19PB-437.2-441.2-SC	437.20	441.20	
12/6/2003	19PB-437.8-439.6-SC	437.80	439.60	
12/6/2003	19PB-439.6-441.6-SC	439.60	441.60	
12/6/2003	19PB-441.2-442.9-SC	441.20	442.90	
12/6/2003	19PB-441.6-443.4-SC	441.60	443.40	
12/6/2003	19PB-442.9-445.1-SC	442.90	445.10	
12/6/2003	19PB-443.4-445.1-SC	443.40	445.10	
12/6/2003	19PB-445.1-445.3-SC	445.10	445.30	
12/6/2003	19PB-445.3-446.2-SC	445.30	446.20	
12/6/2003	19PB-445.3-447.9-SC	445.30	447.90	
12/6/2003	19PB-445.3-448.4-SC	445.30	448.40	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/6/2003	19PB-446.2-447.9-SC	446.20	447.90	Large tuff clast (0.4 ft) is present at 446.4 ft. Clast contains thick clay rind surrounding it (5 cm). Very wet from 447 to 448 ft.
12/8/2003	19PB-447.60-449.09-C	447.60	449.09	
12/6/2003	19PB-447.9-448.4-SC	447.90	448.40	
12/8/2003	19PB-448.37-449.09-C	448.37	449.09	Core lost during cleanout prior to Run 19.
12/8/2003	19PB-449.09-449.40-C	449.09	449.40	
12/8/2003	19PB-449.09-450.59-C	449.09	450.59	
12/8/2003	19PB-449.40-449.70-C	449.40	449.70	
12/8/2003	19PB-449.70-450.59-C	449.70	450.59	
12/8/2003	19PB-450.6-452.4-SC	450.60	452.40	
12/8/2003	19PB-450.6-453.0-SC	450.60	453.00	
12/8/2003	19PB-450.6-460.7-SC	450.60	460.70	Run 20 may include stub from loss at Run 19 bit.
12/8/2003	19PB-452.4-453.9-SC	452.40	453.90	
12/8/2003	19PB-453.0-455.1-SC	453.00	455.10	
12/8/2003	19PB-453.9-455.5-SC	453.90	455.50	
12/8/2003	19PB-455.1-455.5-SC	455.10	455.50	
12/8/2003	19PB-455.5-456.6-SC	455.50	456.60	
12/8/2003	19PB-455.5-457.4-SC	455.50	457.40	
12/8/2003	19PB-456.6-457.2-SC	456.60	457.20	
12/8/2003	19PB-457.2-460.7-SC	457.20	460.70	Possible 0.1 ft thick SC layer at end of Run 20.
12/8/2003	19PB-457.4-459.1-SC	457.40	459.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/8/2003	19PB-459.1-460.7-SC	459.10	460.70	
12/8/2003	19PB-460.7-461.8-SC	460.70	461.80	
12/8/2003	19PB-460.7-462.7-SC	460.70	462.70	
12/8/2003	19PB-460.7-466.5-SC	460.70	466.50	
12/8/2003	19PB-461.8-463.4-SC	461.80	463.40	
12/8/2003	19PB-462.7-464.5-SC	462.70	464.50	
12/8/2003	19PB-463.4-464.5-SC	463.40	464.50	
12/8/2003	19PB-464.5-465.6-SC	464.50	465.60	
12/8/2003	19PB-464.5-466.5-SC	464.50	466.50	
12/8/2003	19PB-465.6-466.3-SC	465.60	466.30	
12/8/2003	19PB-466.3-466.5-SC	466.30	466.50	0.2 ft lost at bit.
12/8/2003	19PB-466.5-467.7-SC	466.50	467.70	
12/8/2003	19PB-466.5-468.1-SC	466.50	468.10	
12/8/2003	19PB-466.5-476.4-SC	466.50	476.40	
12/8/2003	19PB-467.7-469.4-SC	467.70	469.40	
12/8/2003	19PB-468.1-469.0-SC	468.10	469.00	
12/8/2003	19PB-469.0-470.5-SC	469.00	470.50	
12/8/2003	19PB-469.4-471.2-SC	469.40	471.20	
12/8/2003	19PB-470.5-474.3-SC	470.50	474.30	
12/8/2003	19PB-471.2-473.1-SC	471.20	473.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/8/2003	19PB-473.1-474.8-SC	473.10	474.80	
12/8/2003	19PB-474.3-475.1-SC	474.30	475.10	Decomposed black vesicular boulder (0.5 ft) at 474.3 ft.
12/8/2003	19PB-474.8-476.2-SC	474.80	476.20	
12/8/2003	19PB-475.1-476.2-SC	475.10	476.20	
12/8/2003	19PB-476.2-476.4-SC	476.20	476.40	0.2 ft lost at bit.
12/9/2003	19PB-476.4-476.6-SC	476.40	476.60	
12/9/2003	19PB-476.4-478.0-SC	476.40	478.00	
12/9/2003	19PB-476.4-478.2-SC	476.40	478.20	
12/9/2003	19PB-476.6-478.0-SC	476.60	478.00	
12/9/2003	19PB-478.0-478.2-SC	478.00	478.20	
12/9/2003	19PB-478.2-479.0-SC	478.20	479.00	
12/9/2003	19PB-478.2-481.9-SC	478.20	481.90	At 478.5 ft is a 10 inch black basalt boulder clast decomposing to dark gray clay.
12/9/2003	19PB-478.2-482.9-SC	478.20	482.90	
12/9/2003	19PB-479.0-480.5-SC	479.00	480.50	
12/9/2003	19PB-480.5-481.9-SC	480.50	481.90	
12/9/2003	19PB-481.9-482.3-SC	481.90	482.30	
12/9/2003	19PB-481.9-482.9-SC	481.90	482.90	
12/9/2003	19PB-481.9-484.4-SC	481.90	484.40	There is an overlap of footage in intervals 24 LC (481.9 - 482.9) and 25 LX (481.9 and 484.4) because the 1.02 ft lost at the bit in Run 24 was recovered in Run 25.
12/9/2003	19PB-482.3-483.9-SC	482.30	483.90	
12/9/2003	19PB-482.9-489.6-SC	482.90	489.60	Run 25 recovered the 1.02 ft that was unrecovered at the bit in Run 24.

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12/9/2003	19PB-483.9-485.4-SC	483.90	485.40	Core run #25 was warm and dry from ~484 to end of run (489.6 ft).
12/9/2003	19PB-484.4-486.0-SC	484.40	486.00	
12/9/2003	19PB-485.4-486.7-SC	485.40	486.70	
12/9/2003	19PB-486.0-487.2-SC	486.00	487.20	
12/9/2003	19PB-486.7-487.9-SC	486.70	487.90	
12/9/2003	19PB-487.2-488.8-SC	487.20	488.80	
12/9/2003	19PB-487.9-489.4-SC	487.90	489.40	
12/9/2003	19PB-488.8-489.4-SC	488.80	489.40	
12/9/2003	19PB-489.4-489.6-SC	489.40	489.60	
12/9/2003	19PB-489.6-490.6-SC	489.60	490.60	
12/9/2003	19PB-489.6-491.0-SC	489.60	491.00	Lots of water on top of run. Water was sampled by Jon Darnell; the remainder was drained.
12/9/2003	19PB-489.6-496.2-SC	489.60	496.20	
12/9/2003	19PB-490.6-492.0-SC	490.60	492.00	
12/9/2003	19PB-491.0-492.4-SC	491.00	492.40	
12/9/2003	19PB-492.0-493.6-SC	492.00	493.60	
12/9/2003	19PB-492.4-493.0-SC	492.40	493.00	
12/9/2003	19PB-493.0-494.6-SC	493.00	494.60	Boulder was flush at bit.
12/9/2003	19PB-493.6-494.6-SC	493.60	494.60	
12/9/2003	19PB-494.6-496.2-SC	494.60	496.20	
12/9/2003	19PB-495.2-496.1-SC	495.20	496.10	Picked up 1.0 ft of unrecovered at bit of Run 26 so there is an overlap between 26 LC (494.6 - 496.2) and 27 D (495.2 - 496.1) and 27 LX (495.2 - 496.7)

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/9/2003	19PB-495.2-496.7-SC	495.20	496.70	
12/9/2003	19PB-496.1-497.6-SC	496.10	497.60	
12/9/2003	19PB-496.2-499.7-SC	496.20	499.70	
12/9/2003	19PB-496.7-499.0-SC	496.70	499.00	At 498.6 ft is a 1-4 cm decomposed basalt boulder. Another possible interpretation is that it's an altered ash bed.
12/9/2003	19PB-497.6-499.0-SC	497.60	499.00	
12/9/2003	19PB-499.0-499.7-SC	499.00	499.70	
12/10/2003	19PB-499.7-500.1-SC	499.70	500.10	0.4 ft lost on cleanout prior to Run 28.
12/10/2003	19PB-500.1-500.8-SC	500.10	500.80	
12/10/2003	19PB-500.1-501.5-SC	500.10	501.50	Big rock at top of 28 LX 500.1 - 501.5 ft is probably part of the GC layer at the bottom of Run 27.
12/10/2003	19PB-500.1-510.0-SC	500.10	510.00	Coring rate increasing because material sand content is increasing.
12/10/2003	19PB-500.8-502.4-SC	500.80	502.40	
12/10/2003	19PB-501.5-503.4-SC	501.50	503.40	
12/10/2003	19PB-502.4-504.0-SC	502.40	504.00	
12/10/2003	19PB-503.4-506.0-SC	503.40	506.00	Sand content appears to be increasing.
12/10/2003	19PB-504.0-505.5-SC	504.00	505.50	
12/10/2003	19PB-505.5-506.9-SC	505.50	506.90	
12/10/2003	19PB-506.0-506.6-SC	506.00	506.60	
12/10/2003	19PB-506.6-508.1-SC	506.60	508.10	Alternating fine-coarse-fine layering within 28 L 506.6 - 508.1 - SC with respect to sand and fines distribution with layer thickness approximately 0.5 ft.
12/10/2003	19PB-506.9-508.5-SC	506.90	508.50	
12/10/2003	19PB-508.1-509.1-SC	508.10	509.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/10/2003	19PB-508.5-510.0-SC	508.50	510.00	
12/10/2003	19PB-509.1-510.0-SC	509.10	510.00	
12/10/2003	19PB-510.0-510.3-SC	510.00	510.30	
12/10/2003	19PB-510.0-511.6-SC	510.00	511.60	
12/10/2003	19PB-510.0-519.4-SC	510.00	519.40	
12/10/2003	19PB-510.3-512.1-SC	510.30	512.10	
12/10/2003	19PB-511.6-513.2-SC	511.60	513.20	
12/10/2003	19PB-512.1-514.2-SC	512.10	514.20	
12/10/2003	19PB-513.2-514.8-SC	513.20	514.80	
12/10/2003	19PB-514.2-515.3-SC	514.20	515.30	
12/10/2003	19PB-514.8-516.4-SC	514.80	516.40	
12/10/2003	19PB-515.3-517.3-SC	515.30	517.30	
12/10/2003	19PB-516.4-517.9-SC	516.40	517.90	
12/10/2003	19PB-517.3-519.4-SC	517.30	519.40	
12/10/2003	19PB-517.9-519.4-SC	517.90	519.40	
12/10/2003	19PB-519.4-519.7-C	519.40	519.70	
12/10/2003	19PB-519.4-519.7-SC	519.40	519.70	
12/10/2003	19PB-519.4-526.0-SC	519.40	526.00	
12/10/2003	19PB-519.7-521.1-SC	519.70	521.10	
12/10/2003	19PB-519.7-522.1-SC	519.70	522.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/10/2003	19PB-521.1-522.7-SC	521.10	522.70	
12/10/2003	19PB-522.1-522.7-SC	522.10	522.70	
12/10/2003	19PB-522.7-526.0-SC	522.70	526.00	
12/10/2003	19PB-524.4-525.1-SC	524.40	525.10	Dimension of core bit is: 4.716 inch OD x 3.440 inch ID.
12/10/2003	19PB-524.4-526.1-SC	524.40	526.10	
12/10/2003	19PB-525.1-527.1-SC	525.10	527.10	
12/10/2003	19PB-526.0-527.1-SC	526.00	527.10	Run 31 picked up 1.67 ft of unrecovered core at the bottom of Run 30 (524.4 - 526.0 ft). Run 31 is the first 4-1/2" core.
12/11/2003	19PB-526.11-527.05-C	526.11	527.05	0.94 ft fill in the top of the barrel.
12/10/2003	19PB-526.1-527.1-SC	526.10	527.10	
12/11/2003	19PB-527.05-527.11-C	527.05	527.11	
12/11/2003	19PB-527.05-528.80-C	527.05	528.80	Run 32 is the 3rd drive core run.
12/11/2003	19PB-527.11-527.61-C	527.11	527.61	
12/11/2003	19PB-527.61-528.11-C	527.61	528.11	
12/11/2003	19PB-528.11-528.61-C	528.11	528.61	
12/11/2003	19PB-528.61-528.80-C	528.61	528.80	Core barrel shoe is 0.19 ft long.
12/11/2003	19PB-528.8-529.8-SC	528.80	529.80	
12/11/2003	19PB-528.8-530.4-SC	528.80	530.40	
12/11/2003	19PB-528.8-532.0-SC	528.80	532.00	
12/11/2003	19PB-529.8-531.1-SC	529.80	531.10	
12/11/2003	19PB-530.4-531.1-SC	530.40	531.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/11/2003	19PB-531.1-532.0-SC	531.10	532.00	
12/12/2003	19PB-532.0-533.0-SC	532.00	533.00	0.4 ft of yesterday's core was floating in today's core.
12/12/2003	19PB-532.0-534.4-SC	532.00	534.40	
12/12/2003	19PB-533.0-533.1-SC	533.00	533.10	
12/12/2003	19PB-533.0-534.1-SC	533.00	534.10	
12/12/2003	19PB-533.1-534.1-SC	533.10	534.10	
12/12/2003	19PB-534.1-534.4-SC	534.10	534.40	
12/12/2003	19PB-534.4-535.2-SC	534.40	535.20	
12/12/2003	19PB-534.4-536.0-SC	534.40	536.00	
12/12/2003	19PB-534.4-543.3-SC	534.40	543.30	
12/12/2003	19PB-535.2-538.2-SC	535.20	538.20	
12/12/2003	19PB-536.0-537.5-SC	536.00	537.50	
12/12/2003	19PB-537.5-539.0-SC	537.50	539.00	
12/12/2003	19PB-538.2-540.7-SC	538.20	540.70	
12/12/2003	19PB-539.0-540.3-SC	539.00	540.30	
12/12/2003	19PB-540.3-541.7-SC	540.30	541.70	
12/12/2003	19PB-540.7-541.7-SC	540.70	541.70	Drying is artificial and produced by drilling from 540.7 to 543.1 ft.
12/12/2003	19PB-541.7-543.1-SC	541.70	543.10	
12/12/2003	19PB-541.7-543.1-SCA	541.70	543.10	
12/12/2003	19PB-543.1-543.3-SC	543.10	543.30	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/12/2003	19PB-543.3-543.5-SC	543.30	543.50	
12/12/2003	19PB-543.3-544.5-SC	543.30	544.50	
12/12/2003	19PB-543.3-546.7-SC	543.30	546.70	
12/12/2003	19PB-543.5-544.7-SC	543.50	544.70	
12/12/2003	19PB-544.5-545.7-SC	544.50	545.70	
12/12/2003	19PB-544.7-545.7-SC	544.70	545.70	
12/12/2003	19PB-545.7-546.7-SC	545.70	546.70	
12/12/2003	19PB-545.9-546.1-SC	545.90	546.10	
12/12/2003	19PB-545.9-546.7-SC	545.90	546.70	Density segment 37 D 545.9 - 546.7 - SC overlaps 36 LC 545.7 - 546.7 - SC because Run 37 picked up 0.8 ft of Run 36 lost core.
12/12/2003	19PB-546.1-547.2-SC	546.10	547.20	
12/12/2003	19PB-546.7-548.2-SC	546.70	548.20	
12/12/2003	19PB-546.7-551.5-SC	546.70	551.50	
12/12/2003	19PB-547.2-547.6-SC	547.20	547.60	
12/12/2003	19PB-547.6-549.6-SC	547.60	549.60	
12/12/2003	19PB-548.2-549.6-SC	548.20	549.60	
12/12/2003	19PB-549.6-551.5-SC	549.60	551.50	
12/12/2003	19PB-550.7-551.9-SC	550.70	551.90	Picked up 0.8 ft from previous run lost at bit.
12/12/2003	19PB-550.7-553.3-SC	550.70	553.30	
12/12/2003	19PB-551.5-554.3-SC	551.50	554.30	
12/12/2003	19PB-551.9-553.3-SC	551.90	553.30	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/12/2003	19PB-553.3-554.3-SC	553.30	554.30	
12/15/2003	19PB-553.7-554.3-SC	553.70	554.30	39D 553.7 - 554.3 - SC overlaps 38 LC 553.3 - 554.3 - SC because Run 39 picked up the unrecovered from Run 38.
12/15/2003	19PB-553.7-554.8-SC	553.70	554.80	
12/15/2003	19PB-554.3-555.5-SC	554.30	555.50	
12/15/2003	19PB-554.3-559.8-SC	554.30	559.80	
12/15/2003	19PB-554.8-555.2-SC	554.80	555.20	
12/15/2003	19PB-555.2-557.8-SC	555.20	557.80	CALICHE from (555.2 to 555.7) is calcite-cemented, highly reactive soil (regolith?), moderately indurated. 555.2 - 557.8 submitted as one sample.
12/15/2003	19PB-555.5-556.6-SC	555.50	556.60	
12/15/2003	19PB-556.6-557.8-SC	556.60	557.80	
12/15/2003	19PB-557.8-559.8-SC	557.80	559.80	
12/15/2003	19PB-559.6-559.8-SC	559.60	559.80	
12/15/2003	19PB-559.6-560.4-SC	559.60	560.40	40 D - 559.6 - 560.4 - SC overlaps 39 LC 557.8 - 559.8 - SC because Run 40 picked up the unrecovered segment from Run 39.
12/15/2003	19PB-559.8-560.4-SC	559.80	560.40	Cementation for single rhyolite boulder is NA - Not Applicable, and the material (from this single boulder) is dry.
12/15/2003	19PB-559.8-560.9-SC	559.80	560.90	
12/15/2003	19PB-560.4-560.9-SC	560.40	560.90	
12/15/2003	19PB-560.94-561.52-C	560.94	561.52	0.6 ft "not attempted"-lost in cleanout. (560.9 - 561.52 = 0.6 ft).
12/15/2003	19PB-561.06-561.74-C	561.06	561.74	
12/15/2003	19PB-561.52-563.34-C	561.52	563.34	Tare Weight and Sample Plus Tare Weight both include the crossover sub on the back of the core barrel.
12/15/2003	19PB-561.74-562.07-C	561.74	562.07	
12/15/2003	19PB-562.07-562.57-C	562.07	562.57	SMF Geologist used a different depth on shoe (562.8 - 563.1). They put unrecovered (.22) in front of shoe.

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/15/2003	19PB-562.57-563.07-C	562.57	563.07	
12/15/2003	19PB-563.07-563.34-C	563.07	563.34	Shoe: 563.07 - 563.34
12/16/2003	19PB-563.3-564.2-SC	563.30	564.20	
12/16/2003	19PB-563.3-564.5-SC	563.30	564.50	
12/16/2003	19PB-563.3-565.9-SC	563.30	565.90	
12/16/2003	19PB-564.2-565.9-SC	564.20	565.90	
12/16/2003	19PB-564.5-565.9-SC	564.50	565.90	
12/16/2003	19PB-565.9-567.1-SC	565.90	567.10	
12/16/2003	19PB-565.9-567.1-SCA	565.90	567.10	Weathered horizon above the boulder at 566.23, orange (7.5YR 6/6).
12/16/2003	19PB-565.9-568.4-SC	565.90	568.40	
12/16/2003	19PB-567.1-568.4-SC	567.10	568.40	
12/16/2003	19PB-568.4-568.6-SC	568.40	568.60	
12/16/2003	19PB-568.4-568.6-SCA	568.40	568.60	
12/16/2003	19PB-568.4-571.7-SC	568.40	571.70	
12/16/2003	19PB-568.6-568.8-SC	568.60	568.80	
12/16/2003	19PB-568.6-569.8-SC	568.60	569.80	
12/16/2003	19PB-568.8-569.0-SC	568.80	569.00	
12/16/2003	19PB-569.0-569.4-SC	569.00	569.40	
12/16/2003	19PB-569.4-570.1-SC	569.40	570.10	
12/16/2003	19PB-569.8-570.9-SC	569.80	570.90	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/16/2003	19PB-570.1-570.9-SC	570.10	570.90	
12/16/2003	19PB-570.9-571.7-SC	570.90	571.70	
12/16/2003	19PB-571.7-572.2-SC	571.70	572.20	
12/16/2003	19PB-571.7-572.6-SC	571.70	572.60	
12/16/2003	19PB-571.7-578.3-SC	571.70	578.30	
12/16/2003	19PB-572.2-574.4-SC	572.20	574.40	
12/16/2003	19PB-572.6-574.0-SC	572.60	574.00	
12/16/2003	19PB-574.0-575.3-SC	574.00	575.30	
12/16/2003	19PB-574.4-576.5-SC	574.40	576.50	(with coarser gravel)
12/16/2003	19PB-575.3-576.8-SC	575.30	576.80	
12/16/2003	19PB-576.5-576.7-SC	576.50	576.70	
12/16/2003	19PB-576.7-578.3-SC	576.70	578.30	
12/16/2003	19PB-576.8-578.3-SC	576.80	578.30	
12/16/2003	19PB-578.3-578.7-SC	578.30	578.70	
12/16/2003	19PB-578.3-579.2-SC	578.30	579.20	
12/16/2003	19PB-578.3-581.9-SC	578.30	581.90	
12/16/2003	19PB-578.7-579.2-SC	578.70	579.20	
12/16/2003	19PB-579.2-580.3-SC	579.20	580.30	
12/16/2003	19PB-579.2-580.6-SC	579.20	580.60	
12/16/2003	19PB-580.3-581.1-SC	580.30	581.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/16/2003	19PB-580.6-581.8-SC	580.60	581.80	
12/16/2003	19PB-581.1-581.8-SC	581.10	581.80	
12/16/2003	19PB-581.8-581.9-SC	581.80	581.90	
12/17/2003	19PB-581.9-582.9-SC	581.90	582.90	
12/17/2003	19PB-581.9-583.3-SC	581.90	583.30	
12/17/2003	19PB-581.9-588.3-SC	581.90	588.30	
12/17/2003	19PB-582.9-584.1-SC	582.90	584.10	
12/17/2003	19PB-583.3-584.7-SC	583.30	584.70	
12/17/2003	19PB-584.1-587.4-SC	584.10	587.40	Note large clast of rhyolite at start of this interval (584.1) - see digital photo
12/17/2003	19PB-584.7-586.1-SC	584.70	586.10	
12/17/2003	19PB-586.1-587.5-SC	586.10	587.50	
12/17/2003	19PB-587.4-588.3-SC	587.40	588.30	
12/17/2003	19PB-588.3-589.0-SC	588.30	589.00	
12/17/2003	19PB-588.3-589.8-SC	588.30	589.80	
12/17/2003	19PB-588.3-591.9-SC	588.30	591.90	
12/17/2003	19PB-589.0-590.3-SC	589.00	590.30	
12/17/2003	19PB-589.8-590.2-SC	589.80	590.20	
12/17/2003	19PB-590.2-591.7-SC	590.20	591.70	
12/17/2003	19PB-590.3-591.7-SC	590.30	591.70	
12/17/2003	19PB-591.7-591.9-SC	591.70	591.90	

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12/17/2003	19PB-591.9-592.5-SC	591.90	592.50	
12/17/2003	19PB-591.9-593.0-SC	591.90	593.00	
12/17/2003	19PB-591.9-601.9-SC	591.90	601.90	
12/17/2003	19PB-592.5-593.0-SC	592.50	593.00	
12/17/2003	19PB-593.0-593.6-SC	593.00	593.60	
12/17/2003	19PB-593.0-594.5-SC	593.00	594.50	
12/17/2003	19PB-593.6-594.6-SC	593.60	594.60	
12/17/2003	19PB-594.5-595.7-SC	594.50	595.70	
12/17/2003	19PB-594.6-595.2-SC	594.60	595.20	
12/17/2003	19PB-595.2-596.2-SC	595.20	596.20	
12/17/2003	19PB-595.7-597.1-SC	595.70	597.10	
12/17/2003	19PB-596.2-596.9-SC	596.20	596.90	
12/17/2003	19PB-596.9-598.2-SC	596.90	598.20	
12/17/2003	19PB-597.1-598.4-SC	597.10	598.40	
12/17/2003	19PB-598.2-598.7-SC	598.20	598.70	
12/17/2003	19PB-598.4-599.7-SC	598.40	599.70	
12/17/2003	19PB-598.7-601.0-SC	598.70	601.00	
12/17/2003	19PB-599.7-601.0-SC	599.70	601.00	
12/17/2003	19PB-601.0-601.9-SC	601.00	601.90	
12/17/2003	19PB-601.9-602.1-SC	601.90	602.10	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/17/2003	19PB-601.9-602.9-SC	601.90	602.90	
12/17/2003	19PB-601.9-605.2-SC	601.90	605.20	
12/17/2003	19PB-602.1-603.6-SC	602.10	603.60	
12/17/2003	19PB-602.9-603.6-SC	602.90	603.60	
12/17/2003	19PB-603.6-604.2-SC	603.60	604.20	
12/17/2003	19PB-603.6-605.2-SC	603.60	605.20	
12/17/2003	19PB-604.2-605.2-SC	604.20	605.20	Two paleosol horizons: 1st at 604.4; 2nd at 604.7. These are clayey fine sand: 604.4 is 7.5YR 5/4; 604.7 is 5YR 4/6
12/17/2003	19PB-605.2-605.6-SC	605.20	605.60	
12/17/2003	19PB-605.2-606.4-SC	605.20	606.40	
12/17/2003	19PB-605.2-615.3-SC	605.20	615.30	
12/17/2003	19PB-605.6-606.4-SC	605.60	606.40	
12/17/2003	19PB-606.4-607.0-SC	606.40	607.00	
12/17/2003	19PB-606.4-608.1-SC	606.40	608.10	
12/17/2003	19PB-607.0-608.1-SC	607.00	608.10	
12/17/2003	19PB-608.1-608.7-SC	608.10	608.70	
12/17/2003	19PB-608.1-609.8-SC	608.10	609.80	
12/17/2003	19PB-608.7-609.8-SC	608.70	609.80	
12/17/2003	19PB-609.8-611.1-SC	609.80	611.10	
12/17/2003	19PB-609.8-611.5-SC	609.80	611.50	
12/17/2003	19PB-611.1-612.7-SC	611.10	612.70	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/17/2003	19PB-611.5-613.2-SC	611.50	613.20	
12/17/2003	19PB-612.7-613.2-SC	612.70	613.20	
12/17/2003	19PB-613.2-615.3-SC	613.20	615.30	
12/17/2003	19PB-613.2-615.3-SCA	613.20	615.30	
12/17/2003	19PB-615.3-615.7-SC	615.30	615.70	
12/17/2003	19PB-615.3-616.2-SC	615.30	616.20	
12/17/2003	19PB-615.3-619.9-SC	615.30	619.90	
12/17/2003	19PB-615.7-617.3-SC	615.70	617.30	
12/17/2003	19PB-616.2-618.9-SC	616.20	618.90	
12/17/2003	19PB-617.3-618.5-SC	617.30	618.50	
12/17/2003	19PB-618.5-619.9-SC	618.50	619.90	
12/17/2003	19PB-618.9-619.9-SC	618.90	619.90	
12/18/2003	19PB-619.75-619.89-C	616.75	619.89	
12/18/2003	19PB-619.89-620.00-C	619.89	620.00	Fine sand predominates--the sample may be sorting in the barrel - the upper end is fine sand, while the lower end is coarser.
12/18/2003	19PB-619.99-622.02-C	619.99	622.02	Drive core run (#53) 619.99 - 622.02 ft but recovered 619.89 - 622.02 ft; interval 619.89 - 619.99 ft was not cleaned out in clean out run prior to drive core run #53.
12/18/2003	19PB-620.00-620.25-C	620.00	620.25	
12/18/2003	19PB-620.25-620.75-C	620.25	620.75	
12/18/2003	19PB-620.75-621.25-C	620.75	621.25	
12/18/2003	19PB-621.25-621.75-C	621.25	621.75	
12/18/2003	19PB-621.75-622.02-C	621.75	622.02	SHOE

Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/18/2003	19PB-622.0-622.4-SC	622.00	622.40	
12/18/2003	19PB-622.0-622.5-SC	622.00	622.50	
12/18/2003	19PB-622.0-628.4-SC	622.00	628.40	
12/18/2003	19PB-622.4-623.8-SC	622.40	623.80	
12/18/2003	19PB-622.5-624.0-SC	622.50	624.00	
12/18/2003	19PB-623.8-625.2-SC	623.80	625.20	
12/18/2003	19PB-624.0-624.9-SC	624.00	624.90	
12/18/2003	19PB-624.9-627.1-SC	624.90	627.10	This SC unit has thin GC intervals within it.
12/18/2003	19PB-625.2-626.5-SC	625.20	626.50	
12/18/2003	19PB-626.5-627.9-SC	626.50	627.90	
12/18/2003	19PB-627.1-627.9-SC	627.10	627.90	This SW-SC unit has low clay.
12/18/2003	19PB-627.9-628.4-SC	627.90	628.40	
12/18/2003	19PB-628.4-629.5-SC	628.40	629.50	
12/18/2003	19PB-628.4-629.7-SC	628.40	629.70	
12/18/2003	19PB-628.4-634.0-SC	628.40	634.00	
12/18/2003	19PB-629.5-630.9-SC	629.50	630.90	
12/18/2003	19PB-629.7-631.1-SC	629.70	631.10	
12/18/2003	19PB-630.9-632.3-SC	630.90	632.30	
12/18/2003	19PB-631.1-633.8-SC	631.10	633.80	SC with gravel.
12/18/2003	19PB-632.3-633.8-SC	632.30	633.80	

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Date Logged	Sample Number	Depth Interval (feet bgs) From	Depth Interval (feet bgs) To	Comments
12/18/2003	19PB-633.8-634.0-SC	633.80	634.00	