

TOP OF FOOTING EL = 515.00

GEODESIGN INCORPORATED		BORING LOG		Boring No.: B-3	
Geotechnical Engineers/Environmental Consultants/Construction Engineers P.O. Box 689 Windsor, VT 05090 Phone: 802-474-2023/Fax: 802-474-5945		Project Name Route 125 Bridge RS 0174 (8) Middlebury, VT		Page No.: 1 of 2	
1223 Shelburne Rd., Suite 300 St. Burlington, VT 05408 Phone: 802-474-2023/Fax: 802-474-5945		Checked By: JEL		File No.: 750-04.1	
Boring Company: H & W Sells Engineering, Inc. Personnel: Myron Domingue Geotechnical Eng.: Jason Goodrich Date Started: July 8, 2003 Date Finished: July 1, 2003 N. Coordinate: 538.8 Ground Surface Elevation (feet): 538.8 Station: 141+38.30		Dialing: 7/1 SS Sampler: SS Type: 3.0 In. 1.38 In. L.R.: 300 lbs 140 lbs Blow Count: 7/1/03, 8-20 10.5 528.4 Blow Count: 7/8/03, 8-45 28.0 508.8 Mg Type: B-47 Mobile Drill Truck Other: RC-100 Core Barrel		Groundwater Observation Date: 7/1/03 8:00 Depth (ft): 10.5 Elev. (ft): 528.4 Notes: Wet Soil Date: 7/8/03 8:45 Depth (ft): 28.0 Elev. (ft): 508.8 Notes: In Contact	
Sample Information		Strata Description		Sample Description	
Depth (ft)	Core No.	Depth (ft)	Strata Description	Classification System: Terzaghi	Notes
0-6	S1	0-4	Stippled	S1): Medium dense, top 4": Black, fine to coarse SAND, little silt.	
6-12	S2	4-11	Stippled	Bottom 11": Light brown, fine to medium SAND, some silt, trace to little gravel, dry.	
12-18	S3	11-16	Stippled	S2): Medium dense, similar to bottom of S1, except darker brown.	
18-24	S4	16-21	Stippled	S3): Medium dense, similar to bottom of S1, with pieces of coarse gravel stuck in spoon tip.	
24-30	S5	21-26	Stippled	S4): Loose, similar to bottom of S1, except light brown to black.	
30-36	S6	26-31	Stippled	S5): Refusal. Pieces of pulverized quartzite in spoon tip.	
36-42	S7	31-36	Stippled	S6): Very dense, light gray brown to oxidized orange, fine to medium SAND and SILT, some gravel, wetter.	
42-48	S8	36-41	Stippled	S7): Refusal. Similar to S2, except with orange oxidation.	
48-54	S9	41-46	Stippled	C1): Very hard, light gray, slightly weathered orange-red along fracture planes, very closely jointed, very poor quality QUARTZITE (ROD=20%). Interbedded (less than 2cm thick) with softer, dark gray to black Phyllite.	
54-60	S10	46-51	Stippled	C2): Similar rock type to above (ROD=12%).	
60-66	S11	51-56	Stippled	C3): Similar rock type to above, except closely to very closely jointed (ROD=20%). Fractures typically <10 and 50-75 degrees from horizontal.	
66-72	S12	56-61	Stippled	C4): Similar rock type to above, except closely to moderately jointed, fair quality (ROD=50%). More fractures observed 80-85 degrees from horizontal.	
72-78	S13	61-66	Stippled	C5): Similar rock type to above, except fewer near-vertical fractures (ROD=53%).	
78-84	S14	66-71	Stippled		
84-90	S15	71-76	Stippled		
90-96	S16	76-81	Stippled		
96-102	S17	81-86	Stippled		
102-108	S18	86-91	Stippled		
108-114	S19	91-96	Stippled		
114-120	S20	96-101	Stippled		
120-126	S21	101-106	Stippled		
126-132	S22	106-111	Stippled		
132-138	S23	111-116	Stippled		
138-144	S24	116-121	Stippled		
144-150	S25	121-126	Stippled		
150-156	S26	126-131	Stippled		
156-162	S27	131-136	Stippled		
162-168	S28	136-141	Stippled		
168-174	S29	141-146	Stippled		
174-180	S30	146-151	Stippled		
180-186	S31	151-156	Stippled		
186-192	S32	156-161	Stippled		
192-198	S33	161-166	Stippled		
198-204	S34	166-171	Stippled		
204-210	S35	171-176	Stippled		
210-216	S36	176-181	Stippled		
216-222	S37	181-186	Stippled		
222-228	S38	186-191	Stippled		
228-234	S39	191-196	Stippled		
234-240	S40	196-201	Stippled		
240-246	S41	201-206	Stippled		
246-252	S42	206-211	Stippled		
252-258	S43	211-216	Stippled		
258-264	S44	216-221	Stippled		
264-270	S45	221-226	Stippled		
270-276	S46	226-231	Stippled		
276-282	S47	231-236	Stippled		
282-288	S48	236-241	Stippled		
288-294	S49	241-246	Stippled		
294-300	S50	246-251	Stippled		
300-306	S51	251-256	Stippled		
306-312	S52	256-261	Stippled		
312-318	S53	261-266	Stippled		
318-324	S54	266-271	Stippled		
324-330	S55	271-276	Stippled		
330-336	S56	276-281	Stippled		
336-342	S57	281-286	Stippled		
342-348	S58	286-291	Stippled		
348-354	S59	291-296	Stippled		
354-360	S60	296-301	Stippled		
360-366	S61	301-306	Stippled		
366-372	S62	306-311	Stippled		
372-378	S63	311-316	Stippled		
378-384	S64	316-321	Stippled		
384-390	S65	321-326	Stippled		
390-396	S66	326-331	Stippled		
396-402	S67	331-336	Stippled		
402-408	S68	336-341	Stippled		
408-414	S69	341-346	Stippled		
414-420	S70	346-351	Stippled		
420-426	S71	351-356	Stippled		
426-432	S72	356-361	Stippled		
432-438	S73	361-366	Stippled		
438-444	S74	366-371	Stippled		
444-450	S75	371-376	Stippled		
450-456	S76	376-381	Stippled		
456-462	S77	381-386	Stippled		
462-468	S78	386-391	Stippled		
468-474	S79	391-396	Stippled		
474-480	S80	396-401	Stippled		
480-486	S81	401-406	Stippled		
486-492	S82	406-411	Stippled		
492-498	S83	411-416	Stippled		
498-504	S84	416-421	Stippled		
504-510	S85	421-426	Stippled		
510-516	S86	426-431	Stippled		
516-522	S87	431-436	Stippled		
522-528	S88	436-441	Stippled		
528-534	S89	441-446	Stippled		
534-540	S90	446-451	Stippled		
540-546	S91	451-456	Stippled		
546-552	S92	456-461	Stippled		
552-558	S93	461-466	Stippled		
558-564	S94	466-471	Stippled		
564-570	S95	471-476	Stippled		
570-576	S96	476-481	Stippled		
576-582	S97	481-486	Stippled		
582-588	S98	486-491	Stippled		
588-594	S99	491-496	Stippled		
594-600	S100	496-501	Stippled		
600-606	S101	501-506	Stippled		
606-612	S102	506-511	Stippled		
612-618	S103	511-516	Stippled		
618-624	S104	516-521	Stippled		
624-630	S105	521-526	Stippled		
630-636	S106	526-531	Stippled		
636-642	S107	531-536	Stippled		
642-648	S108	536-541	Stippled		
648-654	S109	541-546	Stippled		
654-660	S110	546-551	Stippled		
660-666	S111	551-556	Stippled		
666-672	S112	556-561	Stippled		
672-678	S113	561-566	Stippled		
678-684	S114	566-571	Stippled		
684-690	S115	571-576	Stippled		
690-696	S116	576-581	Stippled		
696-702	S117	581-586	Stippled		
702-708	S118	586-591	Stippled		
708-714	S119	591-596	Stippled		
714-720	S120	596-601	Stippled		
720-726	S121	601-606	Stippled		
726-732	S122	606-611	Stippled		
732-738	S123	611-616	Stippled		
738-744	S124	616-621	Stippled		
744-750	S125	621-626	Stippled		
750-756	S126	626-631	Stippled		
756-762	S127	631-636	Stippled		
762-768	S128	636-641	Stippled		
768-774	S129	641-646	Stippled		
774-780	S130	646-651	Stippled		
780-786	S131	651-656	Stippled		
786-792	S132	656-661	Stippled		
792-798	S133	661-666	Stippled		
798-804	S134	666-671	Stippled		
804-810	S135	671-676	Stippled		
810-816	S136	676-681	Stippled		
816-822	S137	681-686	Stippled		
822-828	S138	686-691	Stippled		
828-834	S139	691-696	Stippled		
834-840	S140	696-701	Stippled		
840-846	S141	701-706	Stippled		
846-852	S142	706-711	Stippled		
852-858	S143	711-716	Stippled		
858-864	S144	716-721	Stippled		
864-870	S145	721-726	Stippled		
870-876	S146	726-731	Stippled		
876-882	S147	731-736	Stippled		
882-888	S148	736-741	Stippled		
888-894	S149	741-746	Stippled		
894-900	S150	746-751	Stippled		
900-906	S151	751-756	Stippled		
906-912	S152	756-761	Stippled		
912-918	S153	761-766	Stippled		
918-924	S154	766-771	Stippled		
924-930	S155	771-776	Stippled		
930-936	S156	776-781	Stippled		
936-942	S157	781-786	Stippled		
942-948	S158	786-791	Stippled		
948-954	S159	791-796	Stippled		
954-960	S160	796-801	Stippled		
960-966	S161	801-806	Stippled		
966-972	S162	806-811	Stippled		
972-978	S163	811-816	Stippled		
978-984	S164	816-821	Stippled		
984-990	S165	821-826	Stippled		
990-996	S166	826-831	Stippled		
996-1002	S167	831-836	Stippled		
1002-1008	S168	836-841	Stippled		
1008-1014	S169	841-846	Stippled		
1014-1020	S170	846-851	Stippled		
1020-1026	S171	851-856	Stippled		
1026-1032	S172	856-861	Stippled		
1032-1038	S173	861-866	Stippled		
1038-1044	S174	866-871	Stippled		
1044-1050	S175	871-876	Stippled		
1050-1056	S176	876-881	Stippled		
1056-1062	S177	881-886	Stippled		
1062-1068	S178	886-891	Stippled		
1068-1074	S179	891-896	Stippled		
1074-1080	S180	896-901	Stippled		
1080-1086	S181	901-906	Stippled		
1086-1092	S182	906-911	Stippled		
1092-1098	S183	911-916	Stippled		
1098-1104	S184	916-921	Stippled		
1104-1110	S185	921-926	Stippled		
1110-1116	S186	926-931	Stippled		