

**STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH DIVISION
SUBSURFACE INFORMATION**







HOLE NO.: B-107
SHEET 1 OF 1
DATE STARTED: 10/5/00
DATE COMPLETED: 10/20/00

PROJECT NAME: CORNWALL
SITE NAME: BR 9
STATION: 0+900.00
GROUND EL.: 52.45

PROJECT NUMBER: BRS 0172 (6)
SITE NO.: VT 125
OFFSET: 20.00
G.W. DEPTH: 3.32 below surface 11/16/00

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL
ADDITIONAL CREW:

BORING RIG: TRUCK
BORING TYPE: WASHBORE/HOLLOW STEM AUGER
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Advanced casing to 3.0m							
		A-7-6, Shelby Tube, 3.0m-3.6m, Rec. = 0.60m, Trace of Organics (2.4%)		50.2		0.2	99.8	76	47
5		77mm x 155mm 4.0m: VS: 56.5 KPa/remold 0 KPa 51mm x 103mm 4.5m: VS: 72 KPa/remold 37 KPa A-7-5, Shelby Tube, 5.0m-5.6m, Rec. = 0.58m		45		0.2	99.8	84	54
		51mm x 103mm 6.5m: VS: 72 KPa/remold 33.5 KPa							
		A-7-5, Shelby Tube, 7.0m-7.6m, Rec. = 0.59m		42.7		0.4	99.6	76	45
		51mm x 103mm 8.5m: VS: 105.5 KPa/remold 35.5 KPa							
		No sample, Boulder							
10	SHELBY TUBE	Shelby Tube, 10.0m-10.5m, Rec. = 0.20m							
		51mm x 103mm 11.5m: VS: 151 KPa/remold 43 KPa							
		A-6, SiCl, gry, MTW, Rec. = 0.60m	9	30		3	97	37	18
		A-4, Si, gry, MTW, Rec. = 0.60m	11	24.2		1	99	25	4
		51mm x 103mm 14.3m: VS: 33.5 KPa/remold 8.5 KPa							
Hole stopped @ 14.8m									

DRILLER'S NOTES:

1. Installed monitoring well at 14.8m, casing extends 0.88m above the ground elevation.
2. Ground water depth at 6.70m below ground surface on 10/20/00.
3. Lost last 20' of hollow auger, at 20' below surface.
4. 77mm x 155mm vane broke off at 4.6m, pulled casing and offset new hole 1.0m.
5. At 6.0m: Pulled 112mm casing and switched to hollow stem auger.
6. At 12.0m: Sample possesses a sandy varved layer at 12.2m, 6mm thick at an angle of 20 degrees.
7. Ground water depth at 3.75m below ground surface on 03/15/01.