

Page 1 of 1

CLIENT: Eversource

New Hampshire

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-4A

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 116, Franconia, NH Latitude: -71.751657° Longitude: 44.193542°							
	DEPTH							
	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , gray to brown, dense, (Base)	1.0			16	26-26-6-5 N=32		
	SILTY SAND WITH GRAVEL (SM) , brown, medium dense				18	9-13-20-20 N=33		
	Pulverized cobble at 3 feet							
		5			22	8-11-17-20 N=28		
	POORLY GRADED SAND (SP) , trace silt, trace gravel, gray, medium dense	7.0						
		10			18	8-11-8-10 N=19		
					23	5-8-8-12 N=16		
		15						
		16.5						
	POORLY GRADED SAND (SP) , brown, medium dense	17.0						
	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

9' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/15/2016

Boring Completed: 1/15/2016

Drill Rig: D-50

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-33

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-5



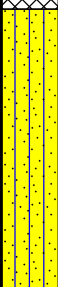
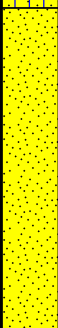
Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Franconia, NH Latitude: -71.756322° Longitude: 44.181974°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED GRAVEL WITH SILT AND SAND , gray, very dense				18	20-46-16-17 N=62		
	FILL - SILTY SAND , olive-brown, medium dense				22	10-10-6-6 N=16		
4.0								
	SILTY SAND WITH GRAVEL (SM) , brown, dense	5			17	12-15-20-30 N=35		
10.0		10			16	10-9-8-9 N=17		
	POORLY GRADED SAND (SP) , trace gravel, trace silt, occasional cobbles, brown, medium dense				20	5-7-11-15 N=18		
17.0		15						
	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 4' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/15/2016

Boring Completed: 1/15/2016

Drill Rig: D-50

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-34

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-5A

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 116, Franconia, NH Latitude: -71.764208° Longitude: 44.168781°							
	DEPTH							
	1.0 POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown, medium dense, (base course)				15	10-10-6-6 N=16		
	SILTY SAND WITH GRAVEL (SM) , dark brown, medium dense to loose				16	4-5-4-4 N=9		
	SILT (ML) , trace clay, trace sand, olive-brown, loose to medium dense	5			22	6-6-6-7 N=12		
		10			18	5-5-6-8 N=11		
	SILTY SAND (SM) , light gray to gray, medium dense to loose							
		15			14	3-4-4-5 N=8		
	Coarse sand layer at 16 feet							
	17.0 Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

16' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/15/2016

Boring Completed: 1/15/2016

Drill Rig: D-50

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-35

BORING LOG NO. B-6

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Easton, NH Latitude: -71.777301° Longitude: 44.158589°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	DEPTH							
0.2	1-inch of asphalt				18	30-15-6-6 N=21		
	FILL - POORLY GRADED SAND WITH GRAVEL , medium dense, (base course) FILL - SILTY SAND WITH GRAVEL , brown, medium dense				4	6-8-7-8 N=15		
4.0	SILTY SAND WITH GRAVEL (SM) , occasional cobbles, medium dense to dense	5	▽		15	13-29-18-18 N=47		
	Cobbles from 8.5 to 9.5 feet	10			8	3-4-8-21 N=12		
		15			12	4-6-14-19 N=20		
17.0	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

▽ 5' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/15/2016

Boring Completed: 1/15/2016

Drill Rig: D-50

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-36

BORING LOG NO. B-6A







Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Easton, NH Latitude: -71.789025° Longitude: 44.1475°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED SAND WITH GRAVEL (SP) , brown, medium dense				16	6-6-5-5 N=11		
	FILL - SILTY SAND WITH GRAVEL , black, medium dense, (reclaim) SILTY SAND , dark brown, medium dense, cobble in tip of sampler				4	2-4-5-7 N=9		
	SILTY SAND , trace gravel	5						
	Cobbles from 6.5 to 10 feet	6.5			17	2-3-5-6 N=8		
	LEAN CLAY WITH SILT (CL) , sand lenses, gray, very stiff to stiff	10.0			16	5-8-12-15 N=20		
	Boring Terminated at 17 Feet	15			10	3-3-6-10 N=9		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 8' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/15/2016

Boring Completed: 1/15/2016

Drill Rig: D-50

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-37

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-7



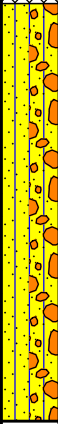
Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Easton, NH Latitude: -71.785166° Longitude: 44.134031°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED GRAVEL , gray, medium dense				15	8-6-6-6 N=12		
	FILL - SILTY SAND WITH GRAVEL , brown, medium dense to loose							
		5						
					5	2-2-2-2 N=4		
		7.0						
	SILTY SAND WITH GRAVEL (SM) , frequent boulders, brown, medium dense to dense							
		10						
					14	8-9-12-50/5" N=21		
		15						
					5	28-50/2"		
	Boring Terminated at 15.8 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 9' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/12/2016

Boring Completed: 1/12/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-38

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-7A




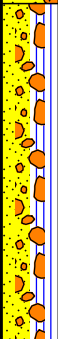

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 116, Easton, NH Latitude: -71.799756° Longitude: 44.123974°							
	DEPTH							
	FILL - POORLY GRADED SAND , brown, dense				14	17-16-18-10 N=34		
1.5								
	SILTY SAND (SM) , brown, dense				15	8-9-10-12 N=19		
2.0								
	POORLY GRADED SAND WITH GRAVEL (SP) , brown, medium dense to very dense							
7.0								
	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown, medium dense, (GLACIAL TILL)				14	32-30-36-32 N=66		
14.5								
	Weathered rock at 14.5 feet							
15.0								
	Sampler refusal on probable bedrock at 15 Feet				0	50/0"		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

9' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/12/2016

Boring Completed: 1/12/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-39

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-8

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Easton, NH Latitude: -71.813851° Longitude: 44.113134°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	DEPTH							
	FILL - POORLY GRADED SAND WITH GRAVEL , brown, medium dense				13	13-11-18-12 N=29		
	FILL - SILTY SAND , black, medium dense, (recycled asphalt)				15	8-4-3-3 N=7		
	FILL - POORLY GRADED SAND WITH GRAVEL , brown, medium dense							
	FILL - SILTY SAND WITH GRAVEL , brown, loose							
	FILL - SANDY SILT , brown, medium dense	5						
	SANDY SILT (ML) , orange-brown, medium dense	6.0			14	6-6-6-16 N=12		
	SILTY GRAVEL WITH SAND (GM) , gray, medium dense	8.0						
	SANDY SILT WITH GRAVEL (ML) , gray, dense, (GLACIAL TILL)	10.0			12	7-15- 50/5"		
		15			7	5-50/4"		
	Refusal on probable bedrock at 15.8 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

6' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/12/2016

Boring Completed: 1/12/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-40

BORING LOG NO. B-8A


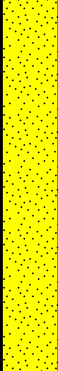

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 116, Easton, NH Latitude: -71.821477° Longitude: 44.103156°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	DEPTH							
	FILL - POORLY GRADED SAND , trace silt, brown, medium dense FILL - SILTY SAND , orange-brown, medium dense				12	6-5-6-5 N=11		
	POORLY GRADED SAND (SP) , trace silt, trace gravel from 10 to 11 feet, brown, medium dense, sand finer with depth				17	6-6-6-6 N=12		
		5						
					12	4-5-6-6 N=11		
		10						
	POORLY GRADED SAND WITH SILT (SP-SM) , brown, medium dense				14	6-5-5-5 N=10		
		15						
					7	4-5-6-5 N=11		
	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 12' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/12/2016

Boring Completed: 1/12/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-41

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-9



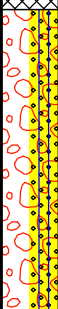
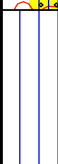
Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 112, Easton, NH Latitude: -71.827365° Longitude: 44.093082°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED GRAVEL WITH SILT AND SAND , brown, medium dense, (Base)				11	25-14-7-4 N=21		
	FILL - SILTY SAND WITH GRAVEL , brown, loose							
	WELL GRADED GRAVEL WITH SILT AND SAND (GW-GM) , brown to gray, mottled, very dense	5 7.0			10	5-6-2-2 N=8		
	SILT (ML) , trace sand, trace clay, gray, medium dense	13.5			15	15-45-36-22 N=81		
		15				4-5-5-6 N=10		
	Boring Terminated at 17 Feet	17.0						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 8' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/8/2016

Boring Completed: 1/8/2016

Drill Rig: CME-75

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-42

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-9A



Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 112, Easton, NH Latitude: -71.81225° Longitude: 44.08395°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED SAND WITH SILT AND GRAVEL , medium dense				15	18-12-10-8 N=22		
	FILL - SILTY SAND WITH GRAVEL , brown to light brown, dense							
		5						
					16	25-32-20-25 N=52		
	FILL - SILTY SAND , with crushed weathered rock, gray, medium dense	10			14	11-8-12-10 N=20		
12.0	POORLY GRADED SAND WITH SILT (SP-SM) , brown							
14.0	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown to olive-brown, medium dense							
17.0	Boring Terminated at 17 Feet	15			11	10-11-10-12 N=21		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 12' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/8/2016

Boring Completed: 1/8/2016

Drill Rig: CME-75

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-43

BORING LOG NO. B-10


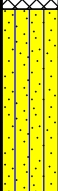
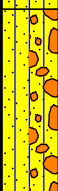
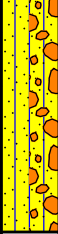


Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 112, Easton, NH Latitude: -71.795459° Longitude: 44.076164°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - SILTY SAND WITH GRAVEL , brown, loose				5	5-2-1-3 N=3		
	SILTY SAND (SM) , light brown to gray, medium dense	4.0						
	SILTY SAND WITH GRAVEL (SM) , trace clay, brown, very dense, occasional boulders from 8 to 15 feet (GLACIAL TILL)	8.0			12	5-5-15-5 N=20		
								
					12	10-20-50/2" N=70+		
					14	19-16-49-50/3" N=65		
	Boring Terminated at 16.7 Feet	16.7						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 10' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/8/2016

Boring Completed: 1/8/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-44

BORING LOG NO. B-10A






Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 112, Easton, NH Latitude: -71.792333° Longitude: 44.062669°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED SAND WITH GRAVEL , brown, medium dense				12	6-6-7-7 N=13		
	FILL - SILTY SAND WITH GRAVEL , brown, medium dense							
		5						
					14	10-12-11-12 N=23		
9.0								
	POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) , brown, dense	10			8	16-25 50/4" N=75+		
13.5								
	POORLY GRADED SAND WITH SILT (SP-SM) , light brown, medium dense	15			13	6-7-6-7 N=13		
17.0								
	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch solid stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 9' WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/8/2016

Boring Completed: 1/8/2016

Drill Rig: D-50

Driller: NTB/Mike N.

Project No.: J1155175

Exhibit: A-45

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-11

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 112, Woodstock, NH Latitude: -71.79316° Longitude: 44.047567°							
DEPTH								
	FILL - POORLY GRADED SAND , trace gravel, brown, medium dense				13	8-8-8-8 N=16		
		5						
					12	10-15-13-14 N=28		
		10						
	FILL - POORLY GRADED SAND WITH SILT , brown, medium dense				6	6-8-10-10 N=18		
					7	13-11-13-15 N=24		
15.0	Boring Terminated at 15 Feet	15						

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/7/2016

Drill Rig: CME-850

Project No.: J1155175

Boring Completed: 1/7/2016

Driller: Terracon/Peter

Exhibit: A-46

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-11A

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 112, Woodstock, NH Latitude: -71.785886° Longitude: 44.037327°							
	DEPTH							
	0.3 3-inches of asphalt							
	FILL - POORLY GRADED SAND WITH SILT AND GRAVEL , light brown to brown, dense				16	20-20-16-15 N=36		
	FILL - , Boulders and cobbles, very dense	5						
					1	50/4"		
	9.0							
	SILTY SAND (SM) , trace gravel, dark brown, very dense, (GLACIAL TILL)	10			18	30-46-50 N=96		
	13.5							
	Weathered rock							
	15.1							
	Boring Terminated at 15.1 Feet	15			0	50/1"		

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/7/2016

Drill Rig: CME-850

Project No.: J1155175

Boring Completed: 1/7/2016

Driller: Terracon/Peter

Exhibit: A-47

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-12

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 112, Woodstock, NH Latitude: -71.768103° Longitude: 44.032376°							
	DEPTH							
	0.5 Asphalt							
	FILL - POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , frequent boulders, brown, medium dense to very dense				10	8-11-6-2 N=17		
		5						
					1	50/2"		
		10						
	Occasional cobbles				12	15-16-14-22 N=30		
		15						
	15.3 Frequent boulders				2	50/4"		
	Boring Terminated at 15.3 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/6/2016

Boring Completed: 1/6/2016

Drill Rig: CME-75

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-48

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-12A

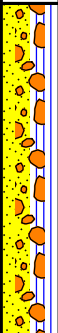
Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	Route 112, Woodstock, NH Latitude: -71.752317° Longitude: 44.024317°							
DEPTH								
	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown, medium dense to dense				12	5-6-8-10 N=14		
		5						
					15	17-17-20-40 N=37		
7.0	Run 1 Hard, bluish black, coarse grained GRANITE, moderate spacing, no bedding, fresh, excellent RQD							
		10			54.5		91	2.25 2.25 2.25 2.25
	Run 2 Similar, excellent RQD							
		15			60		100	
17.0	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/7/2016

Drill Rig: CME-850

Project No.: J1155175

Boring Completed: 1/7/2016

Driller: Terracon/Peter

Exhibit: A-49

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-13A


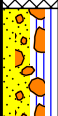
Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION See Exhibit A-2 Latitude: -71.719139° Longitude: 44.028594°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
DEPTH								
	FILL - POORLY GRADED SAND WITH SILT AND GRAVEL , brown, medium dense				12	10-10-10-10 N=20		
2.0								
	POORLY GRADED SAND WITH SILT AND GRAVEL (SP-SM) , brown, medium dense							
5.0	Auger refusal at 5 feet, offset 5 feet west							
	SILTY SAND WITH GRAVEL (SM) , dark brown, medium dense	5			14	5-10-14-50/2" N=24		
6.7								
	Sampler refusal at 6.7 feet, roller bit to 9 feet, begin core							
9.0								
	Run 1 Hard, gray. coarse grained GRANITE, low angle, slightly weathered, good RQD	10			49		73	
14.0								
	Boring Terminated at 14 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic


Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

 4'WD

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/6/2016

Boring Completed: 1/6/2016

Drill Rig: CME-75

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-50

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ

BORING LOG NO. B-14

Page 1 of 1

PROJECT: Route 112 & Route 116 - NP

CLIENT: Eversource

SITE:

New Hampshire

GRAPHIC LOG	LOCATION Route 112, Woodstock, NH Latitude: -71.701313° Longitude: 44.031538°	DEPTH (Ft.)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (in.)	FIELD TEST RESULTS	RQD (%)	Core rate (min./ft.)
	DEPTH							
	0.2 2-inches of topsoil				2	9-9-5-5 N=14		
	SILTY SAND WITH GRAVEL (SM) , frequent cobbles, brown, medium dense to very dense							
		5			6	10-50 N=		
	Cobbles from 6 to 7 feet							
		10			4	23-23-24-30 N=47		
		15			5	10-22-30-30 N=52		
	POORLY GRADED GRAVEL WITH SILT AND SAND (GP-GM) , brown, very dense							
	17.0							
	Boring Terminated at 17 Feet							

Stratification lines are approximate. In-situ, the transition may be gradual.

Hammer Type: Automatic

Advancement Method:
4.25-inch hollow stem augers

See Exhibit A-3 for description of field procedures.
See Appendix B for description of laboratory procedures and additional data (if any).
See Appendix C for explanation of symbols and abbreviations.

Notes:

Abandonment Method:
Boring backfilled with soil cuttings upon completion.

WATER LEVEL OBSERVATIONS

No free water observed

Terracon
77 Sundial Ave., Suite 401W
Manchester, New Hampshire

Boring Started: 1/6/2016

Boring Completed: 1/6/2016

Drill Rig: CME-75

Driller: Terracon/Peter

Project No.: J1155175

Exhibit: A-51

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. GEO SMART LOG-NO WELL J1155175.GPJ