WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-1
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 711 Bewicke
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	COHESIVE
-	2	8.9	••	2	VERY LOOSE	SOFT
-	17	75.5	••••••••••••••••••••	21	MEDIUM DENSE	VERY STIFF
- 1 ft	24	106.6	••••••••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
-	15	66.6	••••••••••••••••••	19	MEDIUM DENSE	VERY STIFF
-	13	57.7	••••••••••••••••	16	MEDIUM DENSE	VERY STIFF
- 2 ft	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	8	35.5	•••••••••	10	LOOSE	STIFF
-	21	93.2	••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
- 3 ft	27	119.9	••••••••••••••••••••••••••••••••	25+	DENSE	HARD
- 1 m	35	155.4	••	25+	DENSE	HARD
-	58	223.9	••	25+	VERY DENSE	HARD
- 4 ft	44	169.8	••	25+	DENSE	HARD
-	43	166.0	••	25+	DENSE	HARD
-						
- 5 ft						
-						
-						
- 6 ft						
-						
- 2 m						
- 7 ft						
-						
-						
- 8 ft						
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-02
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2009 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
- 4 ft	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 5 ft	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 6 ft	4	15.4	••••	4	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 2 m	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
- 7 ft	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
-	5	17.1	••••	4	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
- 8 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
- 9 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
-	3	10.3	••	2	VERY LOOSE	SOFT
- 3 m 10 ft	2	6.8	•	1	VERY LOOSE	VERY SOFT
-	13	39.8	••••••••••	11	MEDIUM DENSE	STIFF
-	50	153.0	••	25+	DENSE	HARD
-	0	0.0		0	VERY LOOSE	VERY SOFT
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-03
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2015 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	5	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 5 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 6 ft	7	27.0	•••••••	7	LOOSE	MEDIUM STIFF
-	7	27.0	•••••••	7	LOOSE	MEDIUM STIFF
- 2 m	9	34.7	•••••••••	9	LOOSE	STIFF
- 7 ft	10	34.2	•••••••••	9	LOOSE	STIFF
-	10	34.2	•••••••••	9	LOOSE	STIFF
-	8	27.4	•••••••	7	LOOSE	MEDIUM STIFF
- 8 ft	8	27.4	•••••••	7	LOOSE	MEDIUM STIFF
-	9	30.8	••••••••	8	LOOSE	MEDIUM STIFF
-	16	54.7	••••••••••••••••	15	MEDIUM DENSE	STIFF
- 9 ft	11	37.6	•••••••••	10	LOOSE	STIFF
-	17	58.1	••••••••••••••••	16	MEDIUM DENSE	VERY STIFF
-	20	68.4	••••••••••••••••••	19	MEDIUM DENSE	VERY STIFF
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-04
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2017 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	2	8.9	••	2	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 5 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 6 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 2 m	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 7 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
-	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
- 8 ft	7	23.9	••••••	6	LOOSE	MEDIUM STIFF
-	19	65.0	••••••••••••••••••	18	MEDIUM DENSE	VERY STIFF
-	11	37.6	••••••••••	10	LOOSE	STIFF
- 9 ft	15	51.3	••••••••••••••	14	MEDIUM DENSE	STIFF
-	16	54.7	••••••••••••••••	15	MEDIUM DENSE	STIFF
-	8	27.4	•••••••	7	LOOSE	MEDIUM STIFF
- 3 m 10 ft	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
-	9	27.5	•••••••	7	LOOSE	MEDIUM STIFF
-	6	18.4	•••••	5	LOOSE	MEDIUM STIFF
-	2	6.1	•	1	VERY LOOSE	VERY SOFT
- 11 ft	2	6.1	•	1	VERY LOOSE	VERY SOFT
-	3	9.2	••	2	VERY LOOSE	SOFT
-	3	9.2	••	2	VERY LOOSE	SOFT
- 12 ft	5	15.3	••••	4	VERY LOOSE	SOFT
-	4	12.2	•••	3	VERY LOOSE	SOFT
-	4	12.2	•••	3	VERY LOOSE	SOFT
- 4 m 13 ft	4	12.2	•••	3	VERY LOOSE	SOFT

PROJECT: Mosquito Creek PROJECT NUMBER: 06-043

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	4	11.1	•••	3	VERY LOOSE	SOFT
-	6	16.6	••••	4	VERY LOOSE	SOFT
- 14 ft	5	13.9	••••	3	VERY LOOSE	SOFT
-	5	13.9	••••	3	VERY LOOSE	SOFT
-	6	16.6	••••	4	VERY LOOSE	SOFT
- 15 ft	8	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	11	30.5	••••••••	8	LOOSE	MEDIUM STIFF
-	12	33.2	•••••••••	9	LOOSE	STIFF
- 16 ft	75	207.8	••	25+	VERY DENSE	HARD
- 5 m	89	246.5	••	25+	VERY DENSE	HARD
-						
- 17 ft						
-						
-						
- 18 ft						
-						
-						
- 19 ft						
-						
- 6 m						
- 20 ft						
-						
-						
- 21 ft						
-						
-						
- 22 ft						
-						
-						
- 7 m 23 ft						
-						
-						
- 24 ft						
-						
-						
- 25 ft						
-						
-						
- 26 ft						
- 8 m						
-						
- 27 ft						
-						
-						
- 28 ft						
-						
-						
- 29 ft						
-						
- 9 m						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-05
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 632 W.23rd
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	6	26.6	•••••••	7	LOOSE	MEDIUM STIFF
- 1 m	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 5 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	75	289.5	••	25+	VERY DENSE	HARD
-						
- 6 ft						
-						
- 2 m						
- 7 ft						
-						
-						
- 8 ft						
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-06
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 632 W.23rd
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	2	8.9	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 5 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 6 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 2 m	2	7.7	••	2	VERY LOOSE	SOFT
- 7 ft	2	6.8	•	1	VERY LOOSE	VERY SOFT
-	2	6.8	•	1	VERY LOOSE	VERY SOFT
-	2	6.8	•	1	VERY LOOSE	VERY SOFT
- 8 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	7	23.9	••••••	6	LOOSE	MEDIUM STIFF
-	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
- 9 ft	7	23.9	••••••	6	LOOSE	MEDIUM STIFF
-	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
-	5	17.1	••••	4	VERY LOOSE	SOFT
- 3 m 10 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	7	21.4	••••••	6	LOOSE	MEDIUM STIFF
-	7	21.4	••••••	6	LOOSE	MEDIUM STIFF
-	9	27.5	•••••••	7	LOOSE	MEDIUM STIFF
- 11 ft	9	27.5	•••••••	7	LOOSE	MEDIUM STIFF
-	11	33.7	•••••••••	9	LOOSE	STIFF
-	8	24.5	•••••••	6	LOOSE	MEDIUM STIFF
- 12 ft	11	33.7	•••••••••	9	LOOSE	STIFF
-	8	24.5	•••••••	6	LOOSE	MEDIUM STIFF
-	7	21.4	••••••	6	LOOSE	MEDIUM STIFF
- 4 m 13 ft	11	33.7	•••••••••	9	LOOSE	STIFF

PROJECT: Mosquito Creek PROJECT NUMBER: 06-043

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	9	24.9	•••••••	7	LOOSE	MEDIUM STIFF
-	7	19.4	•••••	5	LOOSE	MEDIUM STIFF
- 14 ft	8	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	10	27.7	••••••••	7	LOOSE	MEDIUM STIFF
-	8	22.2	••••••	6	LOOSE	MEDIUM STIFF
- 15 ft	7	19.4	•••••	5	LOOSE	MEDIUM STIFF
-	7	19.4	•••••	5	LOOSE	MEDIUM STIFF
-	8	22.2	••••••	6	LOOSE	MEDIUM STIFF
- 16 ft	7	19.4	•••••	5	LOOSE	MEDIUM STIFF
- 5 m	8	22.2	••••••	6	LOOSE	MEDIUM STIFF
-	10	25.4	•••••••	7	LOOSE	MEDIUM STIFF
- 17 ft	9	22.9	••••••	6	LOOSE	MEDIUM STIFF
-	9	22.9	••••••	6	LOOSE	MEDIUM STIFF
-	10	25.4	•••••••	7	LOOSE	MEDIUM STIFF
- 18 ft	16	40.6	••••••••••	11	MEDIUM DENSE	STIFF
-	14	35.6	•••••••••	10	LOOSE	STIFF
-	15	38.1	••••••••••	10	LOOSE	STIFF
- 19 ft	15	38.1	••••••••••	10	LOOSE	STIFF
-						
- 6 m						
- 20 ft						
-						
-						
- 21 ft						
-						
-						
- 22 ft						
-						
-						
- 7 m 23 ft						
-						
-						
- 24 ft						
-						
-						
- 25 ft						
-						
-						
- 26 ft						
- 8 m						
-						
- 27 ft						
-						
-						
- 28 ft						
-						
-						
- 29 ft						
-						
- 9 m						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-07
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2101 & 2103 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	2	8.9	••	2	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 ft	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
- 3 ft	9	40.0	••••••••••	11	MEDIUM DENSE	STIFF
- 1 m	12	53.3	••••••••••••••	15	MEDIUM DENSE	STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
-	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
- 5 ft	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
-	10	38.6	••••••••••	11	MEDIUM DENSE	STIFF
-	15	57.9	••••••••••••••	16	MEDIUM DENSE	VERY STIFF
- 6 ft	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 2 m	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
- 7 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	8	27.4	•••••••	7	LOOSE	MEDIUM STIFF
-	10	34.2	•••••••••	9	LOOSE	STIFF
- 8 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	10	34.2	•••••••••	9	LOOSE	STIFF
-	33	112.9	••••••••••••••••••••••••••••••	25+	DENSE	HARD
- 9 ft	14	47.9	••••••••••••	13	MEDIUM DENSE	STIFF
-	14	47.9	••••••••••••	13	MEDIUM DENSE	STIFF
-	12	41.0	••••••••••	11	MEDIUM DENSE	STIFF
- 3 m 10 ft	28	95.8	•••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
-	10	30.6	••••••••	8	LOOSE	MEDIUM STIFF
-	7	21.4	••••••	6	LOOSE	MEDIUM STIFF
-	65	198.9	••	25+	VERY DENSE	HARD
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-08
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2103 Westview (NW footing)
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 2 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 3 ft	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 m	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 4 ft	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 5 ft	7	27.0	•••••••	7	LOOSE	MEDIUM STIFF
-	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 6 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 2 m	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 7 ft	10	34.2	•••••••••	9	LOOSE	STIFF
-	12	41.0	••••••••••	11	MEDIUM DENSE	STIFF
-	1	3.4		0	VERY LOOSE	VERY SOFT
- 8 ft	1	3.4		0	VERY LOOSE	VERY SOFT
-	1	3.4		0	VERY LOOSE	VERY SOFT
-	1	3.4		0	VERY LOOSE	VERY SOFT
- 9 ft	1	3.4		0	VERY LOOSE	VERY SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
-	70	239.4	••	25+	VERY DENSE	HARD
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-09
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2117 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	COHESIVE
-	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 1 ft	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 3 ft	2	8.9	••	2	VERY LOOSE	SOFT
- 1 m	2	8.9	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 5 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
-	8	30.9	••••••••	8	LOOSE	MEDIUM STIFF
- 6 ft	26	100.4	••••••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
-	16	61.8	••••••••••••••••	17	MEDIUM DENSE	VERY STIFF
- 2 m	65	250.9	••	25+	VERY DENSE	HARD
- 7 ft						
-						
-						
- 8 ft						
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-10
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2069 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	2	8.9	••	2	VERY LOOSE	SOFT
- 1 m	4	17.8	•••••	5	LOOSE	MEDIUM STIFF
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 4 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 5 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 6 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 2 m	3	11.6	•••	3	VERY LOOSE	SOFT
- 7 ft	2	6.8	•	1	VERY LOOSE	VERY SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
-	6	20.5	•••••	5	LOOSE	MEDIUM STIFF
- 8 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
- 9 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
-	4	13.7	•••	3	VERY LOOSE	SOFT
- 3 m 10 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	10	30.6	••••••••	8	LOOSE	MEDIUM STIFF
-	15	45.9	••••••••••••	13	MEDIUM DENSE	STIFF
-	16	49.0	••••••••••••	13	MEDIUM DENSE	STIFF
- 11 ft	30	91.8	••••••••••••••••••••••••••	25+	MEDIUM DENSE	VERY STIFF
-	25	76.5	••••••••••••••••••••	21	MEDIUM DENSE	VERY STIFF
-	21	64.3	•••••••••••••••••	18	MEDIUM DENSE	VERY STIFF
- 12 ft	23	70.4	••••••••••••••••••••	20	MEDIUM DENSE	VERY STIFF
-	26	79.6	••••••••••••••••••••••	22	MEDIUM DENSE	VERY STIFF
-	26	79.6	••••••••••••••••••••••	22	MEDIUM DENSE	VERY STIFF
- 4 m 13 ft						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-11
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2059 Westview
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 1 ft	2	8.9	••	2	VERY LOOSE	SOFT
-	7	31.1	•••••••••	8	LOOSE	MEDIUM STIFF
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 4 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
- 5 ft	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	1	3.9	•	1	VERY LOOSE	VERY SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 6 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 2 m	7	27.0	•••••••	7	LOOSE	MEDIUM STIFF
- 7 ft	3	10.3	••	2	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
- 8 ft	5	17.1	••••	4	VERY LOOSE	SOFT
-	5	17.1	••••	4	VERY LOOSE	SOFT
-	3	10.3	••	2	VERY LOOSE	SOFT
- 9 ft	3	10.3	••	2	VERY LOOSE	SOFT
-	2	6.8	•	1	VERY LOOSE	VERY SOFT
-	3	10.3	••	2	VERY LOOSE	SOFT
- 3 m 10 ft	4	13.7	•••	3	VERY LOOSE	SOFT
-	6	18.4	•••••	5	LOOSE	MEDIUM STIFF
-	5	15.3	••••	4	VERY LOOSE	SOFT
-	6	18.4	•••••	5	LOOSE	MEDIUM STIFF
- 11 ft	10	30.6	••••••••	8	LOOSE	MEDIUM STIFF
-	15	45.9	••••••••••••	13	MEDIUM DENSE	STIFF
-	19	58.1	••••••••••••••••	16	MEDIUM DENSE	VERY STIFF
- 12 ft	18	55.1	••••••••••••••	15	MEDIUM DENSE	STIFF
-	20	61.2	••••••••••••••••••	17	MEDIUM DENSE	VERY STIFF
-	15	45.9	••••••••••••	13	MEDIUM DENSE	STIFF
- 4 m 13 ft	16	49.0	••••••••••••••	13	MEDIUM DENSE	STIFF

PROJECT: Mosquito Creek PROJECT NUMBER: 06-043

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
	16	44.3	••••••••••••	12	MEDIUM DENSE	STIFF
	15	41.6	••••••••••••	11	MEDIUM DENSE	STIFF
14 ft	22	60.9	••••••••••••••••••	17	MEDIUM DENSE	VERY STIFF
	18	49.9	••••••••••••••	14	MEDIUM DENSE	STIFF
	13	36.0	•••••••••	10	LOOSE	STIFF
15 ft	15	41.6	••••••••••••	11	MEDIUM DENSE	STIFF
	9	24.9	•••••••	7	LOOSE	MEDIUM STIFF
	12	33.2	•••••••••	9	LOOSE	STIFF
16 ft						
5 m						
17 ft						
18 ft						
19 ft						
6 m						
20 ft						
21 ft						
22 ft						
7 m 23 ft						
24 ft						
25 ft						
26 ft						
8 m						
27 ft						
28 ft						
29 ft						
9 m						

WILDCAT DYNAMIC CONE LOG

Westrek Geotechnical Services Ltd.
#34-41050 Tantalus Rd
Squamish B.C. V8B 0M6

PROJECT NUMBER: 06-043
DATE STARTED: 10-27-2006
DATE COMPLETED: 10-27-2006

HOLE #: DC-12
CREW: KJB, EM
PROJECT: Mosquito Creek
ADDRESS: 2059 Westview (on slope)
LOCATION: North Vancouver, BC

SURFACE ELEVATION:
WATER ON COMPLETION:
HAMMER WEIGHT: 35 lbs.
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm²	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY NON-COHESIVE	TESTED CONSISTENCY COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 2 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 3 ft	1	4.4	•	1	VERY LOOSE	VERY SOFT
- 1 m	3	13.3	•••	3	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
- 4 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 5 ft	2	7.7	••	2	VERY LOOSE	SOFT
-	3	11.6	•••	3	VERY LOOSE	SOFT
-	2	7.7	••	2	VERY LOOSE	SOFT
- 6 ft	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
-	6	23.2	••••••	6	LOOSE	MEDIUM STIFF
- 2 m	3	11.6	•••	3	VERY LOOSE	SOFT
- 7 ft	1	3.4		0	VERY LOOSE	VERY SOFT
-	3	10.3	••	2	VERY LOOSE	SOFT
-	3	10.3	••	2	VERY LOOSE	SOFT
- 8 ft	50	171.0	••	25+	DENSE	HARD
-						
-						
- 9 ft						
-						
-						
- 3 m 10 ft						
-						
-						
-						
- 11 ft						
-						
-						
- 12 ft						
-						
-						
- 4 m 13 ft						

TEST HOLE 05-1

Project: Mosquito Creek		Client: City of North Vancouver	Date: November 29, 2005
Logged by: EJM	Elevation: Ground	Location: Bewicke Ave. near W19th St.	
Contractor: Downrite	Equip: Bombardier	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
0.0	**SAND & GRAVEL: loose, grey, damp.**				6					
					13					
0.6	**SAND: loose, reddish brown, moist, organic, silty, gravelly**				2					
					6					
1.0	-becoming denser				37					
					39					
1.8	**Gravelly SAND: compact, grey, moist.**				25					
2.0					27					
2.4	**SAND: compact, grey, moist, trace of gravel.**				26					
	- silty layer from 2.7 to 3.0 m				15					
3.0	**Silty SAND to sandy SILT: compact, brown, wet, fine grained** - some sandier lenses				9					
		▼			14					
3.7		12/01/06			11					
4.0					14					
					12					
			grab	1-1	16		SM-ML			
5.0					11					
5.2	**Sandy SILT: firm, grey, wet, fine grained sand**. - non-plastic				6					
					8					
					7					
6.0					8					
					10					
6.7	**Silty CLAY: firm, grey, wet.** - low plastic				5					

TEST HOLE 05-1

Sheet 2

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
7.0	**Silty CLAY: soft, grey, wet.** - low plastic		grab	1-2	5 3 4 5 6 100 +		CL			
8.0										
8.8	Auger and DCPT refusal at 8.8 m depth End of Test Hole									
9.0										
10.0										
11.0										
12.0										
12.7										
13.0										
14.0										

INSTALLATIONS: Piezometer - 25 mm PVC. Solid pipe from 0 to 4.6 m; slotted pipe from 4.6 to 6.1 m. Bentonite seal from 1.5 to 2.2 m. Flush-mount cap.

TEST HOLE 05-2

Project: Mosquito Creek		Client: City of North Vancouver	Date: November 29, 2005
Logged by: EJM	Elevation: Ground	Location: West end of W22nd St.	
Contractor: Downrite	Equip: Bombardier	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
0.0	**TOPSOIL: loose, dark brown, organic.**				6					
					6					
0.6	**SAND: loose, reddish brown, moist, gravelly**				3					
					4					
1.0					8					
1.5	**SAND: loose to compact, brown, moist, gravelly, clean**				8					
					8					
2.0					9					
					12					
					18					
3.0					15					
					21					
3.7	**SAND: compact, brown, silty, fine grained.** **Trace of gravel.**				23					
4.0	- 15 cm thick clean sand seam @ 4.0 m				21					
	- 15 cm thick clean sand seam @ 4.3 m				38					
					31					
5.0					14					
					19					
5.5	**Sandy SILT: compact, grey-brown, wet, fine grained sand**. - non-plastic				30					
			grab	2-1	24		ML			
6.0					38					
					55					
					30					

TEST HOLE 05-2

Sheet 2

Depth (m)	Soil Description and Comments23	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
7.0	**Sandy SILT: compact, grey-brown, wet, fine grained sand**.				30					
	- non-plastic				23					
	- finer grained with depth				12					
	- turns grey @ 7.9 m				15					
8.0					16					
			grab	2-2	15		ML			
					18					
9.0										
9.1	**silty CLAY: firm, grey, wet**.				14					
	- low plastic				10					
					11					
10.0	- fine sandy seam				10					
					15					
					18					
11.0					9					
			grab	2-3	8		CL			
					10					
					11					
12.0					11					
					12					
					11					
13.0					12					
					13					
					100 +					
13.9	Auger and DCPT refusal at 13.9 m depth									
	END OF TEST HOLE									

INSTALLATIONS: No piezometer.

TEST HOLE 05-3

Project: Mosquito Creek		Client: City of North Vancouver	Date: November 29, 2005
Logged by: EJM	Elevation: Ground	Location: West end of alley between W22nd St. & W23rd St.	
Contractor: Downrite	Equip: Bombardier	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
0.0	**SAND & GRAVEL(FILL): loose, grey, damp.**				13					
					9					
0.6	**SAND & GRAVEL: loose, dark brown, moist, some silt**				5					
					6					
1.0										
1.2	**SAND: compact, light brown, damp, some gravel, medium grain.**				45					
	- decreasing gravel content with depth									
	- cobble or small boulder				19					
					20					
2.0					25					
2.4	**Silty fine SAND to sandy SILT: compact, grey-brown, moist.**				19					
					24					
3.0					21					
					13					
					12					
4.0	- becomes wet, grey, and loose				18					
	- mostly SILT		grab	3-1	11		ML			
					9					
					9					
5.0										
5.2	- Sandier seam				17					
					31					
5.8	**Very fine sandy SILT: compact, grey, wet.**				23					
	- non-plastic									
6.0		▼ 14/01/06			42					
					39					
6.7					24					

TEST HOLE 05-3

Sheet 2

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Instrumentation	USC	Moist %	P.L.	L.L.
7.0	**Very fine sandy SILT: compact, grey, wet.** - non-plastic				14					
					20					
					13					
					11					
8.0										
					16					
					13					
8.8			grab	3-2	15		ML			
9.0										
	- becoming finer grained and loose/firm.				10					
					10					
					8					
10.0										
10.1	**Clayey SILT to silty CLAY: firm, grey, wet.** - low plastic				11					
	- some thin sandy seams				20					
					13					
11.0					8					
					11					
					13					
					13					
12.0										
			grab	3-3	14		CL			
					19					
12.7										
					27					
13.0										
					44					
13.3	Auger and DCPT refusal at 13.3 m depth				100+					
14.0										

INSTALLATIONS: Piezometer - 25 mm PVC. Solid pipe from 0 to 9.1 m; slotted pipe from 9.1 to 10.7 m. Bentonite seals from 0.9 to 1.5 m and from 5.5 to 6.4 m. Flush-mount cap.

TEST HOLE 06-01

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 19, 2006
Logged by: KB	Elevation: Ground	Location: 1845 Bewicke; NW corner	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL / FILL -** Silty (dark brown); roots and rootlets, trace sand, soft, moist				3					
0.3	Possible NATIVE – **SAND** (tan); trace gravel, occasional cobble, loose, damp				1					
			■	S-1	8			4.6		
1.0	- becoming compact				8					
					21					
					16					
2.0					14					
2.25	**SAND** (grey); fine to medium grain, trace subangular gravel, loose to compact, damp - Finer grained with depth				14					
					10					
			■	S-2	9			5.4		
3.0	- Trace to some silt by 3.6 m				15					
					19					
			■	S-3	15			27.7		
4.0										
4.1	**SAND** (grey – tan); fine grain, compact, wet				26					
					26					
4.7	**SAND** (grey); medium to coarse grain, trace silt, compact, wet				15					
			■	S-4				26.1		
5.0	- Oxidized at 5.4 m				17					
					12					
					19					
5.7	**SAND** (grey); fine grain, trace silt, compact, wet		■	S-5				24.5		
6.0	End of Auger Hole AH-01 at 6.0 m No standing water observed while auger hole remained open.				13					

TEST HOLE 06-02

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 19, 2006
Logged by: KB	Elevation: Ground	Location: West end of ROW North of 1821 Bewicke	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL / FILL -** Silt (dark brown); roots and rootlets, trace sand, soft, moist				12					
0.45	**FILL** – SAND (grey); some silt, trace gravel, loose, moist				2					
				S-1	1			9.7		
1.0					1					
					1					
					3					
1.8	Possible Native – **TOPSOIL/ ORGANICS** (dark brown); rootlets, soft, moist									
2.0	**SAND** (tan- brown); trace silt, trace gravel, loose to compact, damp				9					
					8					
					10					
				S-2	17			16.0		
3.0					17					
3.4	**SAND** (grey); fine grain, trace silt, compact, moist				21					
					28					
	- Becomes moist at 4.0 m									
4.0	- Siltier with depth			S-3	24			26.5		
					21					
					20					
4.8	Silty **SAND** (grey); loose to compact, wet			S-4				27.5		
5.0					20					
					16					
					10					
					8					
6.0	End Auger Hole 06-02 at 6.0 m No standing groundwater observed while auger hole remained open									

TEST HOLE 06-03

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 19, 2006
Logged by: KB	Elevation: Ground	Location: 710 Bewicke; W. side of residence	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.1	Native – **SAND** (tan); coarse to medium grain, trace gravel, loose to compact, moist				P					
					12					
				S-1	16			7.5		
1.0					17					
					10					
					11					
2.0					10					
				S-2	12			6.1		
					14					
	- Alternating layers of fine sand and medium grain sand				17					
3.0					21					
					18					
	- Oxidation at 4.2 m			S-3	18			21.2		
4.0					17					
					18					
					22					
5.0					18					
5.1	**SILT** (tan); trace to some fine grain sand, compact, moist to wet									
				S-4	17			27.4		
					16					
					17					
6.0	**SILT** (grey); trace to some fine grain sand, loose/firm, moist to wet				7					
					10					
				S-5	9			37.1		

TEST HOLE 06-03

Sheet 2

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
7.0					11					
					9					
					8					
8.0					7					
			■	S-6	9			26.6		
					13					
					11					
9.0	**SILT** (grey); trace fine grain sand, firm, wet				12					
					9					
			■	S-7	9	1.0		24.6		
10.0					13					
					12					
	End of Auger Hole 06-03 at 10.5 m. No standing water observed while auger hole remained open.									
11.0										
12.0										
13.0										
14.0										

TEST HOLE 06-04

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 19, 2006
Logged by: KB	Elevation: Ground	Location: 710 Bewicke; S. side of residence	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.1	Possible Native – **SAND** (rust brown); coarse to medium grain, some gravel, loose, moist				P					
					4					
					3					
0.9	**SAND** (tan); coarse grain, trace gravel, very loose, damp									
1.0				S-1	2			4.8		
	- Finer grain with depth				2					
					3					
2.0				S-2	2			5.0		
					1					
					1					
					1					
3.0					1					
					1					
3.6	**SAND** (grey); medium grain, compact, moist			S-3	12			6.3		
4.0					21					
					27					
					29					
5.0	- Wet at 5.1 m				30					
	SILT (grey); some fine sand, compact, wet			S-4	27			24.3		
					25					
					25					
6.0										
				S-5				31.5		

TEST HOLE 06-04

Sheet 2

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
7.0										
7.5	End of Auger Hole 06-04 at 7.5 m									
8.0										
9.0										
10.0										
11.0										
12.0										
13.0										
14.0										

TEST HOLE 06-05

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 19, 2006
Logged by: KB	Elevation: Ground	Location: 710 Bewicke; South of residence	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist				P					
0.3	**FILL** – SAND (brown); trace gravel, trace silt, rootlets, very loose to loose, damp				P					
	- Occasional cobble, color mixed; dark and lighter brown			S-1	P			17.6		
1.0					2					
					2					
					2					
2.0					6					
				S-2	3			9.4		
					1					
					1					
3.0					3					
					8					
				S-3	5			10.3		
4.0					5					
					8					
					10					
4.8	**ORGANIC SILT** (dark brown); trace woody debris, soft, moist. Possibly original topsoil.			S-4				39.5		
5.0	**SAND** (brown); trace gravel, trace silt, loose to compact, moist.			S-5	12			49.1		
					2					
5.4	**SAND** (tan-grey); trace to some silt, loose, wet				5					
5.9	**SILT** (grey); trace fine grain sand, firm, moist				10					
6.0					10					
				S-6	8			26.5		
					5					

TEST HOLE 06-05

Sheet 2

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
7.0					7					
	-becoming stiff with depth				14					
					13					
8.0					9					
					10					
				S-7	7			24.9		
					8					
9.0					9					
					9					
9.6	**SILT** (grey); trace to some clay, firm, moist									
				S-8	8			32.3		
10.0					8					
10.2	**SILT** (grey); trace clay, trace sand and angular gravel, firm, moist									
	- Possible weathered Till			S-9	9			28.5		
					11					
11.0					10					
					8					
					9					
				S-10	21			28.9		
12.0	End of Auger Hole 06-05 at 12.0 m No standing water observed while auger hole remained open.				+50					
13.0										
14.0										

TEST HOLE 06-06

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 20, 2006
Logged by: KB	Elevation: Ground	Location: 1815 Bewicke; center of rear yard of residence	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.1	**FILL** – SILT (brown); trace to some sand, trace gravel, loose/firm, moist				1					
	- Wood / Concrete / Glass Debris				7					
			■	S-1	9			29.4		
1.0					10					
					8					
					5					
2.0					3					
					5					
			■	S-2				37.5		
					2					
					1					
3.0					8					
3.5	Possible NATIVE – **SAND** (tan-rust brown); trace gravel, trace silt, loose, moist				5					
			■	S-3	4			18.8		
4.0					6					
					6					
					4					
4.8	**SAND** (tan); medium grain, trace to some silt, trace gravel, loose, moist									
5.0			■	S-4	2			27		
	- finer grain with depth				9					
5.4	**SILT** (grey); trace fine grain sand, firm to stiff, wet				16					
			■	S-5				32.9		
					15					
6.0	End of Auger Hole 06-06 at 6.0 m No standing water observed while auger hole remained open									

TEST HOLE 06-07

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 20, 2006
Logged by: KB	Elevation: Ground	Location: 1815 Bewicke; N. side of residence	
Contractor: Mud Bay	Equip: Track MT5	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.2	**SAND** (tan); trace gravel, trace silt, occasional cobble, loose to compact, moist									
				S-1				10.7		
1.0										
2.0	**SAND** (tan-grey); medium grain, compact, wet									
2.6	**SAND** (grey); fine grain, compact, moist									
				S-2				10.7		
3.0	End of Auger Hole 06-07 at 3.0 m No standing water observed while auger hole remained open									
4.0										
5.0										
6.0										

TEST HOLE 06-08

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 23, 2006
Logged by: KB	Elevation: Ground	Location: 626 W. 19th; rear yard, near crest	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm²)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.2	**SAND** (rust –tan); trace silt, trace roots & rootlets, loose, moist - possible FILL				3					
				S-1	3			4.9		
	- Coarser grain with depth, becomes tan colored by 0.9 m				11					
1.0					23					
					35					
1.5	**SAND** (tan); trace to some gravel, trace silt, dense, moist				35					
				S-2				4.6		
2.0					45					
2.1	Auger refusal at 2.1 m No standing water observed while auger hole remained open. Possible tree root encountered by DCPT from 1.2 to 2.3 m				40					
					9					
					9					
3.0					7					
					7					
					3					
4.0					16					
					72					
5.0										
6.0										

TEST HOLE 06-09

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 23, 2006
Logged by: KB	Elevation: Ground	Location: 626 W19th; 14 m S & 5 m W of SW corner of house	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm²)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Sand (dark brown); roots and rootlets, trace silt soft, moist									
0.1	**FILL** – Silty SAND (brown); some gravel and cobbles and debris, compact, moist - concrete / brick / angular cobbles									
			■	S-1				14.0		
1.0										
1.5	Possible Native – **SAND** (tan); medium to coarse grain, trace gravel, trace silt, compact, moist - Finer grain with depth									
1.9	Silty **SAND** (tan); compact, moist									
2.0	- becomes grey color with depth		■	S-2				19.1		
3.0			■	S-3				17.6		
3.6	**SILT** (grey); trace angular gravel, trace sand, stiff, moist - Possible weathered Till		■	S-4				27.5		
3.9	Auger refusal at 3.9 m									
4.0	No standing water observed while auger hole remained open.									
5.0										
6.0										

TEST HOLE 06-10

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 23, 2006
Logged by: KB	Elevation: Ground	Location: 1931 Westview; NW corner, rear yard	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**FILL / TOPSOIL -** Silty SAND (dark brown); roots and rootlets, soft, moist									
				S-1	2			39.7		
					4					
0.6	Possible Native – **SAND** (tan-rust); trace silt, trace gravel, loose, moist									
	- Finer grain with depth				4					
1.0										
1.1	**SILT** (grey); some fine grain sand, very stiff / dense, moist				3					
				S-2				26.3		
					27					
					43					
2.0				S-3	26			29.1		
2.1	End auger hole 06-10 at 2.1 m No standing water observed while auger hole remained open									
					30					
					38					
					52					
3.0										
4.0										
5.0										
6.0										

TEST HOLE 06-11

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 23, 2006
Logged by: KB	Elevation: Ground	Location: W end of ROW on Westview; at W 20th St.	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm²)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Silty SAND (dark brown); roots and rootlets, soft, moist									
	Native – **SAND** (tan); some gravel, trace cobbles, trace silt, loose, moist				4					
	- finer grain and less gravel with depth				3					
					2					
1.0					13					
1.2	**SAND** (tan-grey); fine grain, some silt to silty, compact, moist			S-1	33			14.5		
	- becomes grey colored by 1.8 m				18					
2.0				S-2	15			17.0		
2.2	**SILT** (tan); trace fine grain sand, stiff, moist				19					
	- intermittent layers of firm to soft - becomes grey colored by 2.7 m				18					
3.0					14					
				S-3	5			24.0		
	- trace clay with depth			S-4	7			23.6		
4.0					9					
					4					
					10					
					11					
5.0					4					
				S-5	5			32.3		
5.5	Clayey **SILT** (grey); firm, moist to wet				6					
				S-6	5			34.1		
6.0	End auger hole 06-11 at 4.5 m No standing water observed while auger hole remained open				6					
	7.2 m / N = 24 7.5 m / N = 80				7					
					7					

TEST HOLE 06-12

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 24, 2006
Logged by: KB	Elevation: Ground	Location: 1957 Westview; rear yard.	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Silty SAND (dark brown); roots and rootlets, soft, moist									
	FILL – SILT (dark brown); some sand, roots and rootlets, soft, moist				2					
			■	S-1				8.1		
					4					
0.8	Possible NATIVE – **SAND** (tan); medium grain, trace gravel, occasional cobble, loose to compact, moist				10					
1.0	- coarser grain with depth				15					
					11					
1.5	Silty **SAND** (tan-grey); compact, moist									
			■	S-2	12			24.2		
2.0					26					
			■	S-3				24.0		
					17					
					18					
					28					
3.0										
					38					
					17					
					13					
3.9	**SILT** (grey); trace fine sand, stiff / compact, moist									
4.0					14					
4.2	Auger refusal at 4.2 m									
	No standing water observed while auger hole remained open.				8					
					7					
5.0					11					
					13					
					8					
					8					
6.0										
					7					
					8					
	7.2 m / N = 10									
	7.5 m / N = 15				9					
	7.8 m / N = 16									
7.0	8.1 m / N = 85 (End of DCPT)									

TEST HOLE 06-13

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 24, 2006
Logged by: KB	Elevation: Ground	Location: 1945 Westview; rear yard, west of sewer main	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Silty SAND (dark brown); roots and rootlets, soft, moist									
	Native – **SAND** (rust brown); trace silt, trace gravel, loose, moist			S-1	1			17.3		
					2					
1.6	**SAND** (tan); medium grain, some silt, loose, moist			S-2	1			18.1		
	- finer grain with depth				4					
1.0										
1.2	**SILT** (tan); some fine grain sand, compact, moist				17					
	- becomes grey colored by 2.7 m			S-3	34			26.0		
2.0					20					
					17					
					16					
					12					
3.0				S-4	11			30.9		
					22					
					13					
3.9	**SILT** (grey); trace clay, trace angular gravel, soft to firm, wet									
4.0				S-5	5			32.4		
					3					
4.5	End auger hole 06-13 at 4.5 m No standing water observed while auger hole remained open.				5					
5.0					76					
6.0										

TEST HOLE 06-14

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 24, 2006
Logged by: KB	Elevation: Ground	Location: 2041 Westview; rear yard, near slope crest	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL -** Silty SAND (dark brown); roots and rootlets, soft, moist									
0.1	**FILL** – SAND (rust-tan); trace silt, trace gravel, loose, moist			S-1	1			28.5		
					2					
0.3	NATIVE – **SILT** (dark brown); trace to some organics, soft, moist				1					
0.55	**SILT** (tan); some sand to sandy, loose, moist to wet				2					
1.0					5					
	- finer grain with depth			S-2	5			31.4		
2.0					8					
2.1	**SAND** (tan-mottled grey); some silt, compact to dense, moist			S-3	35			24.5		
2.4	Auger refusal at 2.4 m No standing water observed while auger hole remained open.				40					
					33					
3.0					26					
					17					
					13					
4.0					16					
					13					
					7					
5.0					8					
					6					
					8					
					8					
6.0					9					
	7.2 m / N = 26 7.5 m / N = 50 for 150 mm penetration				11					
					20					

TEST HOLE 06-15

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 24, 2006
Logged by: KB	Elevation: Ground	Location: 2049 Westview; rear patio, top of retaining wall	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**FILL -** 19 mm minus crushed **GRAVEL** (grey);									
0.2	**FILL** – Silty SAND (dark brown); trace gravel, very loose, moist			S-1	1			12.5		
0.50	**SAND** (tan); medium grain, some silt, trace gravel, very loose, moist				1					
					1					
1.0					1					
					2					
					1					
2.0	- finer grain with depth				2					
					2					
				S-2	3			24.9		
					3					
3.0										
3.3	Sandy **SILT** (tan-mottled grey); fine grain, loose, moist				5					
				S-3	5			32.4		
					3					
4.0					4					
					15					
4.5	End auger hole 06-15 at 4.5 m No standing water observed while auger hole remained open				38					
5.0					50					
6.0										

TEST HOLE 06-16

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 25, 2006
Logged by: KB	Elevation: Ground	Location:625 W. 23rd St., crest of failure, rear yard	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL –** SILT (dark brown); some sand, soft, moist			S-1				12.3		
0.2	**SAND** (rust-tan); medium grain, trace gravel, loose to very loose, moist				1					
				S-2				9.0		
					1					
	- becomes tan colored at 0.75 m - finer grain with depth				2					
1.0					8					
					5					
					4					
1.8	**SAND** (tan); fine grain, some silt, very loose to loose, moist to wet									
				S-3				34.2		
2.0					3					
					1					
					6					
	- becoming compact				16					
3.0					12					
					15					
					12					
3.9	**SAND** (grey); medium grain, trace silt, compact, wet			S-4				35.2		
4.0										
4.1	**SILT** (grey); trace fine grain sand, compact / stiff, moist to wet				13					
				S-5				31.9		
					10					
					14					
5.0					11					
5.1	**SAND** (tan); fine grain, some silt, compact to dense, moist									
				S-6	18			22.4		
					29					
					34					
6.0	End auger hole 06-16 at 6.0 m No standing water observed while auger hole remained open				27					
					26					
					75					

TEST HOLE 06-17

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 25, 2006
Logged by: KB	Elevation: Ground	Location:625 W. 23rd St., SW corner of patio slab	
Contractor: Mud Bay	Equip: Hand Auger	Method: Solid Stem Auger	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL** (dark brown); silty, some sand, soft, moist									
0.45	**TOPSOIL** (dark brown); mixed with SAND									
0.75	**SAND** (tan); trace silt, trace gravel, occasional cobble, moist									
1.0	- finer grain with depth - more compact with depth									
1.5	End auger hole 06-17 at 1.5 m									
2.0										
3.0										
4.0										
5.0										
6.0										

TEST HOLE 06-18

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 25, 2006
Logged by: KB	Elevation: Ground	Location:622 W22nd St., West side of house at slope crest	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm²)	Fines %	Moist %	P.L.	L.L.
0.0	**FILL** – SAND (rust-tan); medium grain, trace gravel, very loose, moist									
				S-1	1			12.0		
					1					
0.75	**ORGANICS** (dark brown); trace sand, soft, moist				1					
0.9	**SAND** (tan); medium grain, very loose, moist			S-2				15.3		
1.0					1					
1.2	**SILT** (tan); some sand to sandy, trace gravel, loose to compact, moist									
				S-3	1			23.0		
					2					
2.0					11					
					15					
					17					
2.7	Silty **SAND** (tan); mottled, fine grain, compact, moist				18					
3.0					18					
				S-4				25.0		
					15					
					16					
3.9	End of auger hole 06-18 at 3.9 m									
4.0	No standing water observed while auger hole remained open				18					
					11					
					6					
					16					
5.0					31					
					13					
					24					
6.0					13					
					13					
					10					
7.0					12					
					12					

					9					
					12					
8.0					13					
					10					
					10					
9.0					8					
					10					
					18					
					25					
10.0					22					
					14					
					11					
11.0					17					
					21					
					23					
	End of DCPT at 12.0 m				100 +					
12.0										

TEST HOLE 06-19

Project: Mosquito Creek		Client: City of North Vancouver	Date: October 25, 2006
Logged by: KB	Elevation: Ground	Location: 2121 Westview, rear yard 13 m west of house	
Contractor: Mud Bay	Equip: Porta-Auger	Method: Solid Stem Auger / Dynamic Cone Penetration Test	

Depth (m)	Soil Description and Comments	Water Level	Sample Type	Sample #	DCPT (N)	Pocket Pen (kg/cm^2)	Fines %	Moist %	P.L.	L.L.
0.0	**TOPSOIL** – SILT (dark brown); roots and rootlets, soft, moist									
0.1	**FILL** – Silty SAND (brown); trace gravel, very loose, moist									
				S-1	1			26.2		
0.45	**SAND** (brown-tan); some silt, trace gravel and cobbles, loose, moist				2					
				S-2	5			22.4		
1.0										
1.05	**SAND** (tan); medium grain, trace gravel, loose to very loose, moist.				5					
					4					
					2					
2.0					2					
2.1	**SILT** (tan); trace fine grain sand, compact / stiff, moist									
				S-3	10			28.6		
					20					
	- becomes grey colored by 2.6 m									
3.0					20					
					20					
				S-4	29			26.3		
					27					
	End of auger hole 06-18 at 3.9 m									
4.0	No standing water observed while auger hole remained open				11					
					6					
					11					
5.0					10					
					11					
					20					
					19					
6.0					60					