

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 108-87
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1949+625 O/S 1M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.05

FIELD NO: 187
 LAB NO: 2191
 DEPTH: 2.8-3.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	95
0.297	--
0.177	--
0.149	91
0.074	84

M.C. (%): 58

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 16
 % FINES: 84

CLASSIFICATION:
 SILT WITH SAND
 (ML)

GR-01-160

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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:   108-88
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1949+850 O/S 3M RT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.05
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=====
FIELD NO: 188   FIELD NO: 189
LAB NO: 2192   LAB NO: 2193
DEPTH: 2.0-2.2 DEPTH: 4.4-4.6
TYPE: AUGER    TYPE: AUGER
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SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	100	38.1	--
25.4	88	25.4	--
19.0	81	19.0	--
12.7	76	12.7	--
9.5	74	9.5	--
4.76	67	4.76	--
2.38	--	2.38	--
2.00	60	2.00	--
1.19	--	1.19	--
0.841	53	0.841	--
0.595	--	0.595	--
0.42	48	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	42	0.149	--
0.074	36	0.074	--

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M.C.(%): 13   M.C.(%): 17
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LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	TRACE	P.I.:	--

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% GRAVEL: 33   % GRAVEL: --
% SAND: 31    % SAND: --
% FINES: 36   % FINES: --
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CLASSIFICATION: SILTY GRAVEL WITH SAND (GM)
CLASSIFICATION:
=====

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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:    108-90
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1950+060 O/S 10M RT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.06
=====

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FIELD NO: 190
LAB NO: 2194
DEPTH: 1.3-1.5
TYPE: AUGER

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SIEVE SIZE | PERCENT PASSING
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```

101.6	--
76.2	--
50.8	--
38.1	100
25.4	84
19.0	80
12.7	74
9.5	68
4.76	58
2.38	--
2.00	49
1.19	--
0.841	42
0.595	--
0.42	38
0.297	--
0.177	--
0.149	33
0.074	29

M.C.(%): 6

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 42
 % SAND: 29
 % FINES: 29

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 108-91
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1950+165 O/S 2M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 191
 LAB NO: 2195
 DEPTH: 4.4-4.6
 TYPE: AUGER
 ORGANIC ODOR

SIEVE SIZE	PERCENT PASSING
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101.6	--
76.2	--
50.8	100
38.1	82
25.4	77
19.0	74
12.7	73
9.5	71
4.76	68
2.38	--
2.00	63
1.19	--
0.841	58
0.595	--
0.42	53
0.297	--
0.177	--
0.149	45
0.074	38

M.C.(%): 39

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 32
 % SAND: 30
 % FINES: 38

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:    108-92
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1950+350 O/S 1M LT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.06
=====

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=====
FIELD NO: 192   FIELD NO: 193
LAB NO: 2196   LAB NO: 2197
DEPTH: 2.5-2.7 DEPTH: 4.4-4.6
TYPE: AUGER    TYPE: AUGER
=====

```

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	100	12.7	--
9.5	99	9.5	--
4.76	99	4.76	--
2.38	--	2.38	--
2.00	98	2.00	--
1.19	--	1.19	--
0.841	97	0.841	--
0.595	--	0.595	--
0.42	97	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	95	0.149	--
0.074	81	0.074	--

```

M.C. (%): 29   M.C. (%): 44
=====

```

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--

```

% GRAVEL: 1   % GRAVEL: --
% SAND: 18   % SAND: --
% FINES: 81   % FINES: --
=====

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CLASSIFICATION: SILT WITH SAND (ML)
CLASSIFICATION:
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PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 108-93
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1950+550 O/S 3M RT
LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 194
LAB NO: 2198
DEPTH: 1.8-2.0
TYPE: AUGER

SIEVE | PERCENT
SIZE | PASSING

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	99
2.38	--
2.00	98
1.19	--
0.841	97
0.595	--
0.42	95
0.297	--
0.177	--
0.149	93
0.074	87

M.C. (%): 33

LIMITS

LIQUID: --
PLASTIC: --
P.I.: N.P.

% GRAVEL: 1
% SAND: 11
% FINES: 87

CLASSIFICATION:
SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 108-94A
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1950+685 O/S 4M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 195	FIELD NO: 196
LAB NO: 2199	LAB NO: 2200
DEPTH: 2.8-3.0	DEPTH: 3.5-3.7
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	100	9.5	--
4.76	99	4.76	--
2.38	--	2.38	--
2.00	97	2.00	--
1.19	--	1.19	--
0.841	94	0.841	--
0.595	--	0.595	--
0.42	90	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	84	0.149	--
0.074	79	0.074	--

M.C. (%): 60 M.C. (%): 271

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--

% GRAVEL:	1	% GRAVEL:	--
% SAND:	20	% SAND:	--
% FINES:	79	% FINES:	--

CLASSIFICATION: CLASSIFICATION:
 SILT WITH SAND
 (ML)

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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:     108-94B
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1950+860 O/S 8M RT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.06
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=====
FIELD NO:   197   FIELD NO:   198
LAB NO:     2201  LAB NO:     2202
DEPTH:      1.3-1.5  DEPTH:      2.8-3.0
TYPE:       AUGER   TYPE:       AUGER
=====

```

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	100	38.1	--
25.4	85	25.4	--
19.0	73	19.0	--
12.7	66	12.7	--
9.5	61	9.5	--
4.76	50	4.76	--
2.38	--	2.38	--
2.00	39	2.00	--
1.19	--	1.19	--
0.841	27	0.841	--
0.595	--	0.595	--
0.42	21	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	15	0.149	--
0.074	12	0.074	--

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M.C.(%):      6   M.C.(%):      9
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LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--

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% GRAVEL:      50   % GRAVEL:      --
% SAND:        38   % SAND:        --
% FINES:       12   % FINES:       --
=====

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CLASSIFICATION:  CLASSIFICATION:
WELL-GRADED
GRAVEL WITH SILT
& SAND (GW-GM)
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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:    108-95
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1950+950 O/S 25M RT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.06
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=====
FIELD NO:   199   FIELD NO:   200
LAB NO:     2203  LAB NO:     2204
DEPTH:      1.3-1.5  DEPTH:      4.4-4.6
TYPE:       AUGER   TYPE:       AUGER
=====

```

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	--	9.5	--
4.76	--	4.76	--
2.38	--	2.38	--
2.00	--	2.00	--
1.19	--	1.19	--
0.841	--	0.841	--
0.595	--	0.595	--
0.42	--	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	--	0.149	--
0.074	--	0.074	--

```

M.C.(%):      3   M.C.(%):      13
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```

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	--	P.I.:	--

% GRAVEL:	--	% GRAVEL:	--
% SAND:	--	% SAND:	--
% FINES:	--	% FINES:	--

```

CLASSIFICATION:   CLASSIFICATION:
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=====
PROJECT NUMBER:   SEGMENT 18           HOLE NUMBER:    108-96
CLIENT:          SHAKWAK PROJECT
PROJECT NAME:    ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT:      17-225
HOLE LOCATION:   1951+050 O/S 40M RT
LOGGED BY:       JM                     DATE COMPLETED: 90.10.06
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=====
FIELD NO:    201   FIELD NO:    202
LAB NO:      2205  LAB NO:      2206
DEPTH:       1.3-1.5  DEPTH:       4.4-4.6
TYPE:        AUGER  TYPE:        AUGER
=====

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SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	--	9.5	--
4.76	--	4.76	--
2.38	--	2.38	--
2.00	--	2.00	--
1.19	--	1.19	--
0.841	--	0.841	--
0.595	--	0.595	--
0.42	--	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	--	0.149	--
0.074	--	0.074	--

```

M.C.(%):      5   M.C.(%):      13
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```

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	--	P.I.:	--

% GRAVEL:	--	% GRAVEL:	--
% SAND:	--	% SAND:	--
% FINES:	--	% FINES:	--

```

CLASSIFICATION:   CLASSIFICATION:
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PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 108-97
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1951+150 O/S 40M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 203	FIELD NO: 204	FIELD NO: 205
LAB NO: 2207	LAB NO: 2208	LAB NO: 2209
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	100	50.8	--	50.8	--
38.1	82	38.1	--	38.1	--
25.4	82	25.4	--	25.4	--
19.0	82	19.0	--	19.0	--
12.7	78	12.7	--	12.7	--
9.5	73	9.5	--	9.5	--
4.76	62	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	50	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	40	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	34	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	28	0.149	--	0.149	--
0.074	24	0.074	--	0.074	--

M.C. (%): 8 M.C. (%): 13 M.C. (%): 14

LIMITS	LIMITS	LIMITS
LIQUID: --	LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --	PLASTIC: --
P.I.: TRACE	P.I.: --	P.I.: --

% GRAVEL: 38	% GRAVEL: --	% GRAVEL: --
% SAND: 38	% SAND: --	% SAND: --
% FINES: 24	% FINES: --	% FINES: --

CLASSIFICATION: SILTY SAND WITH GRAVEL (SM)
 CLASSIFICATION:
 CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-9E
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1951+250 O/S 25M RT.
LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 206
LAB NO: 2210
DEPTH: 1.3-1.5
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.3	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 2

LIMITS

LIQUID: --
PLASTIC: --
P.I.: --

% GRAVEL: --
% SAND: --
% FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-99
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1951+685 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 207	FIELD NO: 208
LAB NO: 2211	LAB NO: 2212
DEPTH: 1.3-1.5	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	--	9.5	--
4.76	--	4.76	--
2.38	--	2.38	--
2.00	--	2.00	--
1.19	--	1.19	--
0.841	--	0.841	--
0.595	--	0.595	--
0.42	--	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	--	0.149	--
0.074	--	0.074	--

M.C. (%): 5 M.C. (%): 10

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: --	P.I.: --

% GRAVEL: --	% GRAVEL: --
% SAND: --	% SAND: --
% FINES: --	% FINES: --

CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-101
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1952+225 O/S 1M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 209
 LAB NO: 2213
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 210
 LAB NO: 2214
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 211
 LAB NO: 2215
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	82
19.0	82
12.7	78
9.5	77
4.76	74
2.38	--
2.00	70
1.19	--
0.841	65
0.595	--
0.42	61
0.297	--
0.177	--
0.149	52
0.074	40

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	90

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 41

M.C. (%): 34

M.C. (%): 31

LIMITS

LIMITS

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 26
 % SAND: 26
 % FINES: 48

% GRAVEL: 0
 % SAND: 10
 % FINES: 90

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-102
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1952+400
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 212	FIELD NO: 213
LAB NO: 2216	LAB NO: 2217
DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	100
9.5	100	9.5	99
4.76	100	4.76	99
2.38	--	2.38	--
2.00	99	2.00	98
1.19	--	1.19	--
0.841	99	0.841	95
0.595	--	0.595	--
0.42	97	0.42	93
0.297	--	0.297	--
0.177	--	0.177	--
0.149	95	0.149	90
0.074	91	0.074	85

M.C. (%): 44 M.C. (%): 78

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: N.P.	P.I.: N.P.

% GRAVEL: 0	% GRAVEL: 1
% SAND: 9	% SAND: 13
% FINES: 91	% FINES: 85

CLASSIFICATION: SILT (ML)
 CLASSIFICATION: SILT WITH SAND (ML)

PROJECT NUMBER: 214
 CLIENT: SHAKMAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1953+450 O/S 50M LT.
 LOGGED BY: JM

SEGMENT 18
 HOLE NUMBER: 109-105
 DATE COMPLETED: 90.10.06

FIELD NO: 214
 LAB NO: 2218
 DEPTH: 1.5-1.5
 TYPE: AUGER

FIELD NO: 215
 LAB NO: 2219
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 216
 LAB NO: 2220
 DEPTH: 4.6-4.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	92
12.7	87
9.5	84
4.76	77
2.38	--
2.00	71
1.19	--
0.841	66
0.595	--
0.42	62
0.297	--
0.177	--
0.149	59
0.074	56

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	94
19.0	94
12.7	87
9.5	83
4.76	76
2.38	--
2.00	69
1.19	--
0.841	63
0.595	--
0.42	59
0.297	--
0.177	--
0.149	54
0.074	48

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C.(%): 14

M.C.(%): 14

M.C.(%): 16

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 23
 % SAND: 21
 % FINES: 56

% GRAVEL: 24
 % SAND: 28
 % FINES: 48

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 GRAVELLY SILT
 WITH SAND (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-104
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1953+525 O/S 35M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 217	FIELD NO: 218	FIELD NO: 219
LAB NO: 2221	LAB NO: 2222	LAB NO: 2223
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 5.4-6.1
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	100	50.8	--
38.1	100	38.1	84	38.1	--
25.4	81	25.4	65	25.4	--
19.0	78	19.0	61	19.0	--
12.7	71	12.7	50	12.7	--
9.5	67	9.5	46	9.5	--
4.76	60	4.76	39	4.76	--
2.38	--	2.38	--	2.38	--
2.00	54	2.00	34	2.00	--
1.19	--	1.19	--	1.19	--
0.841	49	0.841	31	0.841	--
0.595	--	0.595	--	0.595	--
0.42	47	0.42	29	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	43	0.149	25	0.149	--
0.074	41	0.074	24	0.074	--

M.C. (%): 11 M.C. (%): 7 M.C. (%): 3

LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	TRACE	P.I.:	N.P.	P.I.:	--

% GRAVEL:	40	% GRAVEL:	61	% GRAVEL:	--
% SAND:	20	% SAND:	15	% SAND:	--
% FINES:	41	% FINES:	24	% FINES:	--

CLASSIFICATION: SILTY GRAVEL WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-105
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+175
 LOGGED BY: JM DATE COMPLETED: 90.10.06

FIELD NO: 220	FIELD NO: 221
LAB NO: 2224	LAB NO: 2225
DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER

ORGANIC

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	100	25.4	--
19.0	96	19.0	--
12.7	94	12.7	--
9.5	93	9.5	--
4.76	91	4.76	--
2.38	--	2.38	--
2.00	90	2.00	--
1.19	--	1.19	--
0.841	88	0.841	--
0.595	--	0.595	--
0.42	86	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	82	0.149	--
0.074	77	0.074	--

M.C.(%): 36 M.C.(%): 32

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: N.P.	P.I.: --

% GRAVEL: 9	% GRAVEL: --
% SAND: 14	% SAND: --
% FINES: 77	% FINES: --

CLASSIFICATION: SILT WITH SAND (ML)
 CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-106
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+350 O/S 1M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 222	FIELD NO: 223
LAB NO: 2226	LAB NO: 2227
DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	100	9.5	--
4.76	100	4.76	--
2.38	--	2.38	--
2.00	99	2.00	--
1.19	--	1.19	--
0.841	99	0.841	--
0.595	--	0.595	--
0.42	98	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	95	0.149	--
0.074	91	0.074	--

M.C.(%): 128 M.C.(%): 66

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--

% GRAVEL:	0	% GRAVEL:	--
% SAND:	9	% SAND:	--
% FINES:	91	% FINES:	--

CLASSIFICATION: CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-107
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+525
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO:	224	FIELD NO:	225
LAB NO:	2228	LAB NO:	2229
DEPTH:	2.8-3.0	DEPTH:	4.4-4.6
TYPE:	AUGER	TYPE:	AUGER
ORGANIC			

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	100	9.5	--
4.76	99	4.76	--
2.38	--	2.38	--
2.00	99	2.00	--
1.19	--	1.19	--
0.841	97	0.841	--
0.595	--	0.595	--
0.42	94	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	87	0.149	--
0.074	83	0.074	--

M.C.(%): 109 M.C.(%): 202

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--

% GRAVEL:	1	% GRAVEL:	--
% SAND:	16	% SAND:	--
% FINES:	83	% FINES:	--

CLASSIFICATION: SILT WITH SAND (ML) CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-108
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+725 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 226
 LAB NO: 2230
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 227
 LAB NO: 2231
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	87
19.0	84
12.7	70
9.5	62
4.76	52
2.38	--
2.00	42
1.19	--
0.841	35
0.595	--
0.42	30
0.297	--
0.177	--
0.149	22
0.074	19

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 6

M.C. (%): 3

LIMITS

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 48
 % SAND: 33
 % FINES: 19

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-109
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+850 O/S 25M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 228	FIELD NO: 229
LAB NO: 2232	LAB NO: 2233
DEPTH: 1.3-1.5	DEPTH: 3.0-3.2
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	100	38.1	--
25.4	95	25.4	--
19.0	91	19.0	--
12.7	85	12.7	--
9.5	79	9.5	--
4.76	64	4.76	--
2.38	--	2.38	--
2.00	49	2.00	--
1.19	--	1.19	--
0.841	33	0.841	--
0.595	--	0.595	--
0.42	31	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	22	0.149	--
0.074	18	0.074	--

M.C. (%): 6 M.C. (%): 4

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: TRACE	P.I.: --

% GRAVEL: 36	% GRAVEL: --
% SAND: 46	% SAND: --
% FINES: 18	% FINES: --

CLASSIFICATION: CLASSIFICATION:
 SILTY SAND WITH GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-110
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1954+975 O/S 2M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 230	FIELD NO: 231
LAB NO: 2234	LAB NO: 2235
DEPTH: 1.3-1.5	DEPTH: 3.2-5.9
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	--	9.5	--
4.76	--	4.76	--
2.38	--	2.38	--
2.00	--	2.00	--
1.19	--	1.19	--
0.841	--	0.841	--
0.595	--	0.595	--
0.42	--	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	--	0.149	--
0.074	--	0.074	--

M.C. (%): 14 M.C. (%): 4

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	--	P.I.:	--
% GRAVEL:	--	% GRAVEL:	--
% SAND:	--	% SAND:	--
% FINES:	--	% FINES:	--

CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 1E HOLE NUMBER: 109-111
 CLIENT: CHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1955+075 0/S 40M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 232	FIELD NO: 233
LAB NO: 2236	LAB NO: 2237
DEPTH: 1.3-1.5	DEPTH: 8.3-8.7
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	--
19.0	--	19.0	--
12.7	--	12.7	--
9.5	--	9.5	--
4.76	--	4.76	--
2.38	--	2.38	--
2.00	--	2.00	--
1.19	--	1.19	--
0.841	--	0.841	--
0.595	--	0.595	--
0.42	--	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	--	0.149	--
0.074	--	0.074	--

M.C. (%): 4 M.C. (%): 4

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: --	P.I.: --
% GRAVEL: --	% GRAVEL: --
% SAND: --	% SAND: --
% FINES: --	% FINES: --
CLASSIFICATION:	CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-112
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1955+225 O/C 30M RT.
LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 234
LAB NO: 2238
DEPTH: 1.3-1.5
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	96
9.5	93
4.76	87
2.38	--
2.00	67
1.19	--
0.841	47
0.595	--
0.42	37
0.297	--
0.177	--
0.149	26
0.074	21

M.C. (%): 7

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 13
% SAND: 65
% FINES: 21

CLASSIFICATION:
SILTY SAND (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-113
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1955+300 O/G 35M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 235	FIELD NO: 236
LAB NO: 2239	LAB NO: 2240
DEPTH: 1.3-1.5	DEPTH: 8.2-8.8
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	100	38.1	--
25.4	89	25.4	--
19.0	74	19.0	--
12.7	60	12.7	--
9.5	56	9.5	--
4.76	46	4.76	--
2.38	--	2.38	--
2.00	37	2.00	--
1.19	--	1.19	--
0.841	31	0.841	--
0.595	--	0.595	--
0.42	27	0.42	--
0.297	--	0.297	--
0.177	--	0.177	--
0.149	23	0.149	--
0.074	16	0.074	--

M.C. (%): 6 M.C. (%): 7

LIMITS	LIMITS
LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --
P.I.: N.P.	P.I.: --

% GRAVEL: 54	% GRAVEL: --
% SAND: 30	% SAND: --
% FINES: 16	% FINES: --

CLASSIFICATION: SILTY GRAVEL WITH SAND (GM) CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-114
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1955+440 O/S 25M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 237	FIELD NO: 238
LAB NO: 2241	LAB NO: 2242
DEPTH: 1.3-1.5	DEPTH: 5.8-6.4
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	100
50.8	--	50.8	82
38.1	100	38.1	68
25.4	88	25.4	66
19.0	81	19.0	63
12.7	77	12.7	52
9.5	70	9.5	44
4.76	57	4.76	33
2.38	--	2.38	--
2.00	47	2.00	26
1.19	--	1.19	--
0.841	41	0.841	22
0.595	--	0.595	--
0.42	36	0.42	19
0.297	--	0.297	--
0.177	--	0.177	--
0.149	26	0.149	15
0.074	20	0.074	11

M.C.(%): 5 M.C.(%): 4

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.

% GRAVEL:	43	% GRAVEL:	67
% SAND:	38	% SAND:	22
% FINES:	20	% FINES:	11

CLASSIFICATION:	CLASSIFICATION:
SILTY GRAVEL	POORLY GRADED
WITH SAND (GM)	GRAVEL WITH SILT
	& SAND (GP-GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-117
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1956+515 O/S 8M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 240
 LAB NO: 2244
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 241
 LAB NO: 2245
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 242
 LAB NO: 2246
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	97
19.0	94
12.7	91
9.5	89
4.76	81
2.38	--
2.00	73
1.19	--
0.841	67
0.595	--
0.42	63
0.297	--
0.177	--
0.149	58
0.074	55

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	96
12.7	88
9.5	82
4.76	72
2.38	--
2.00	64
1.19	--
0.841	57
0.595	--
0.42	53
0.297	--
0.177	--
0.149	48
0.074	45

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	96
9.5	91
4.76	81
2.38	--
2.00	69
1.19	--
0.841	59
0.595	--
0.42	53
0.297	--
0.177	--
0.149	43
0.074	38

M.C. (%): 21

M.C. (%): 22

M.C. (%): 19

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 19
 % SAND: 26
 % FINES: 55

% GRAVEL: 28
 % SAND: 27
 % FINES: 45

% GRAVEL: 19
 % SAND: 43
 % FINES: 38

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-118
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1956+608 O/S 2M LT
LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 243
LAB NO: 2247
DEPTH: 1.3-1.5
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	91
9.5	88
4.76	78
2.38	--
2.00	64
1.19	--
0.841	52
0.595	--
0.42	45
0.297	--
0.177	--
0.149	35
0.074	30

M.C.(%): 11

LIMITS

LIQUID: --
PLASTIC: --
P.I.: N.P.

% GRAVEL: 22
% SAND: 48
% FINES: 30

CLASSIFICATION:
SILTY SAND WITH
GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-120
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1959+770 O/S 2M LT
LOGGED BY: JM DATE COMPLETED: 90.10.07

FIELD NO: 246
LAB NO: 2250
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	94
0.074	90

M.C. (%): 188

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 0
% SAND: 10
% FINES: 90

CLASSIFICATION:
SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-122
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1960+175
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 249
LAB NO: 2253
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE | PERCENT PASSING

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	94
0.074	87

M.C. (%): 70

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 0
% SAND: 13
% FINES: 87

CLASSIFICATION:
SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-123
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1960+380 O/S 3M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 251
LAB NO: 2255
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	95
0.297	--
0.177	--
0.149	92
0.074	85

M.C.(%): 56

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 1
% SAND: 14
% FINES: 85

CLASSIFICATION:
SILT WITH SAND
(ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-125
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1963+112 O/S 5M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 254
LAB NO: 2258
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	99
9.5	99
4.76	96
2.38	--
2.00	94
1.19	--
0.841	91
0.595	--
0.42	89
0.297	--
0.177	--
0.149	85
0.074	80

M.C. (%): 27

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 4
% SAND: 16
% FINES: 80

CLASSIFICATION:
SILT WITH SAND
(ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-126
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1963+325 O/S 6M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 256
 LAB NO: 2260
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	77

M.C. (%): 30

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 23
 % FINES: 77

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-127
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1963+845
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 257
LAB NO: 2261
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	82

M.C.(%): 31

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 0
% SAND: 18
% FINES: 82

CLASSIFICATION:
SILT WITH SAND
(ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-128
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1964+137
 LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 259
 LAB NO: 2263
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	80

M.C.(%): 68

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 19
 % FINES: 80

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-129
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1964+450
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 260
LAB NO: 2264
DEPTH: 2.8-3.0
TYPE: AUGER
ORGANIC

SIEVE SIZE	PERCENT PASSING
---------------	--------------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	94

M.C.(%): 42

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 0
% SAND: 6
% FINES: 94

CLASSIFICATION:
SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-130
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1964+775 O/S 1M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 262
LAB NO: 2266
DEPTH: 2.8-3.0
TYPE: AUGER

SIEVE SIZE | PERCENT PASSING

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	97
1.19	--
0.841	93
0.595	--
0.42	89
0.297	--
0.177	--
0.149	83
0.074	80

M.C.(%): 120

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 0
% SAND: 20
% FINES: 80

CLASSIFICATION:
SILT WITH SAND
(ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-131
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1965+058 O/S 2M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 264
LAB NO: 2268
DEPTH: 2.6-2.8
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	99
9.5	99
4.76	98
2.38	--
2.00	97
1.19	--
0.841	96
0.595	--
0.42	96
0.297	--
0.177	--
0.149	94
0.074	78

M.C.(%): 22

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 2
% SAND: 20
% FINES: 78

CLASSIFICATION:
SILT WITH SAND
(ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-133
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1965+595 O/S 14M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 267
 LAB NO: 2271
 DEPTH: 2.6-2.8
 TYPE: ERR

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	91
12.7	64
9.5	44
4.76	44
2.38	--
2.00	43
1.19	--
0.841	40
0.595	--
0.42	36
0.297	--
0.177	--
0.149	32
0.074	25

M.C. (%): 112

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 56
 % SAND: 19
 % FINES: 25

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

sample contaminated with road fill

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-135
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1962+465 O/S 5M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 270
LAB NO: 2274
DEPTH: 1.3-1.5
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	86
2.38	--
2.00	74
1.19	--
0.841	65
0.595	--
0.42	60
0.297	--
0.177	--
0.149	52
0.074	47

M.C.(%): 6

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 14
% SAND: 38
% FINES: 47

CLASSIFICATION:
SILTY SAND (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-136
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-225
HOLE LOCATION: 1962+000 O/S 7M RT
LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 271
LAB NO: 2275
DEPTH: 3.8-4.0
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	98
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	89

M.C.(%): 49

LIMITS

LIQUID: --
PLASTIC: --
P.I.: TRACE

% GRAVEL: 1
% SAND: 10
% FINES: 89

CLASSIFICATION:
SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 109-137
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-225
 HOLE LOCATION: 1961+600 O/S 50M RT
 LOGGED BY: JM DATE COMPLETED: 90.10.08

FIELD NO: 272	FIELD NO: 273
LAB NO: 2276	LAB NO: 2277
DEPTH: 1.3-1.5	DEPTH: 5.4-5.6
TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--
76.2	--	76.2	--
50.8	--	50.8	--
38.1	--	38.1	--
25.4	--	25.4	100
19.0	100	19.0	97
12.7	99	12.7	97
9.5	99	9.5	95
4.76	96	4.76	90
2.38	--	2.38	--
2.00	93	2.00	83
1.19	--	1.19	--
0.841	91	0.841	78
0.595	--	0.595	--
0.42	89	0.42	72
0.297	--	0.297	--
0.177	--	0.177	--
0.149	86	0.149	61
0.074	83	0.074	56

M.C.(%): 16 M.C.(%): 21

LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--
P.I.:	TRACE	P.I.:	TRACE

% GRAVEL:	4	% GRAVEL:	10
% SAND:	14	% SAND:	34
% FINES:	83	% FINES:	56

CLASSIFICATION: SILT WITH SAND (ML)
 CLASSIFICATION: SANDY SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-180
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1949+625 O/S 15M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 345	FIELD NO: 346	FIELD NO: 347
LAB NO: 2429	LAB NO: 2430	LAB NO: 2431
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER
ORGANICS		

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--
9.5	100	9.5	--	9.5	--
4.76	99	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	99	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	99	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	98	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	94	0.149	--	0.149	--
0.074	92	0.074	--	0.074	--

M.C. (%): 38 M.C. (%): 130 M.C. (%): 158

LIMITS	LIMITS	LIMITS
LIQUID: --	LIQUID: --	LIQUID: --
PLASTIC: --	PLASTIC: --	PLASTIC: --
P.I.: N.P.	P.I.: --	P.I.: --

% GRAVEL: 1	% GRAVEL: --	% GRAVEL: --
% SAND: 8	% SAND: --	% SAND: --
% FINES: 92	% FINES: --	% FINES: --

CLASSIFICATION: SILT (ML) CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-181
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1949+850 O/S 15M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 348	FIELD NO: 349	FIELD NO: 350
LAB NO: 2432	LAB NO: 2433	LAB NO: 2434
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--
9.5	100	9.5	--	9.5	--
4.76	100	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	98	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	95	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	91	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	76	0.149	--	0.149	--
0.074	54	0.074	--	0.074	--

M.C. (%): 273 M.C. (%): 39 M.C. (%): 42

LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--	P.I.:	--

% GRAVEL:	0	% GRAVEL:	--	% GRAVEL:	--
% SAND:	45	% SAND:	--	% SAND:	--
% FINES:	54	% FINES:	--	% FINES:	--

CLASSIFICATION: SANDY SILT (ML) CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-182
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1950+175 O/S 15M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 351	FIELD NO: 352	FIELD NO: 353
LAB NO: 2435	LAB NO: 2436	LAB NO: 2437
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--
9.5	100	9.5	--	9.5	--
4.76	100	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	100	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	99	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	97	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	79	0.149	--	0.149	--
0.074	53	0.074	--	0.074	--

M.C.(%): 113 M.C.(%): 55 M.C.(%): 16

LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--	P.I.:	--

% GRAVEL:	0	% GRAVEL:	--	% GRAVEL:	--
% SAND:	46	% SAND:	--	% SAND:	--
% FINES:	53	% FINES:	--	% FINES:	--

CLASSIFICATION: SANDY SILT (ML) CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-183
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1950+350 O/S 14M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 354	FIELD NO: 355	FIELD NO: 356
LAB NO: 2438	LAB NO: 2439	LAB NO: 2440
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--
9.5	100	9.5	--	9.5	--
4.76	100	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	100	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	100	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	99	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	96	0.149	--	0.149	--
0.074	92	0.074	--	0.074	--

M.C.(%): 80 M.C.(%): 67 M.C.(%): 13

LIMITS		LIMITS		LIMITS	
LIQUID:	51.0	LIQUID:	--	LIQUID:	--
PLASTIC:	38.4	PLASTIC:	--	PLASTIC:	--
P.I.:	12.6	P.I.:	--	P.I.:	--

% GRAVEL:	0	% GRAVEL:	--	% GRAVEL:	--
% SAND:	7	% SAND:	--	% SAND:	--
% FINES:	92	% FINES:	--	% FINES:	--

CLASSIFICATION: SILT (ML)
 CLASSIFICATION:
 CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-184
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1950+560 O/S 8M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 357	FIELD NO: 358	FIELD NO: 359
LAB NO: 2441	LAB NO: 2442	LAB NO: 2443
DEPTH: 1.3-1.5	DEPTH: 2.8-3.0	DEPTH: 4.4-4.6
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--
9.5	--	9.5	--	9.5	--
4.76	100	4.76	--	4.76	--
2.38	--	2.38	--	2.38	--
2.00	100	2.00	--	2.00	--
1.19	--	1.19	--	1.19	--
0.841	100	0.841	--	0.841	--
0.595	--	0.595	--	0.595	--
0.42	100	0.42	--	0.42	--
0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--
0.149	99	0.149	--	0.149	--
0.074	97	0.074	--	0.074	--

M.C.(%): 38 M.C.(%): 52 M.C.(%): 24

LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	--	P.I.:	--

% GRAVEL:	0	% GRAVEL:	--	% GRAVEL:	--
% SAND:	3	% SAND:	--	% SAND:	--
% FINES:	97	% FINES:	--	% FINES:	--

CLASSIFICATION: SILT (ML) CLASSIFICATION: CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 110-185
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: A/H KM 1931.9-1965.5
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1950+700 O/S 8M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.16

FIELD NO: 360
 LAB NO: 2444
 DEPTH: 1.3-1.5
 TYPE: AUGER
 ORGANICS

FIELD NO: 361
 LAB NO: 2445
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 362
 LAB NO: 2446
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	100
0.297	--
0.177	--
0.149	93
0.074	86

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 115

M.C. (%): 59

M.C. (%): 26

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-189
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 363
 LAB NO: 2447
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 364
 LAB NO: 2448
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	95
19.0	88
12.7	80
9.5	71
4.76	61
2.38	--
2.00	54
1.19	--
0.841	50
0.595	--
0.42	47
0.297	--
0.177	--
0.149	46
0.074	44

M.C. (%): 14

M.C. (%): 7

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 39
 % SAND: 17
 % FINES: 44

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-190
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1950+885 O/S 6M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 365
 LAB NO: 2449
 DEPTH: 1.3-1.5
 TYPE: AUGER
 ORGANIC

FIELD NO: 366
 LAB NO: 2450
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 367
 LAB NO: 2451
 DEPTH: 4.4-4.6
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	98
2.38	--
2.00	96
1.19	--
0.841	93
0.595	--
0.42	89
0.297	--
0.177	--
0.149	83
0.074	79

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	95
2.38	--
2.00	87
1.19	--
0.841	83
0.595	--
0.42	81
0.297	--
0.177	--
0.149	78
0.074	75

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 154

M.C. (%): 173

M.C. (%): 48

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 2
 % SAND: 19
 % FINES: 79

% GRAVEL: 5
 % SAND: 20
 % FINES: 75

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-191
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+075 O/S 4M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 368
 LAB NO: 2452
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 369
 LAB NO: 2453
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 370
 LAB NO: 2454
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	94
0.074	82

M.C. (%): 50

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 18
 % FINES: 82

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 57

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 42

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-192
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+250 O/S 4M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 371
 LAB NO: 2455
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 372
 LAB NO: 2456
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 373
 LAB NO: 2457
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	93
0.074	59

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	78
0.074	51

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 50

M.C. (%): 37

M.C. (%): 61

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 41
 % FINES: 59

% GRAVEL: 0
 % SAND: 49
 % FINES: 51

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-193
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+455 O/S 4M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 374
 LAB NO: 2458
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 375
 LAB NO: 2459
 DEPTH: 2.8-3.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	84
19.0	84
12.7	70
9.5	72
4.76	60
2.38	--
2.00	50
1.19	--
0.841	45
0.595	--
0.42	41
0.297	--
0.177	--
0.149	38
0.074	35

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 32

M.C. (%): 28

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 40
 % SAND: 26
 % FINES: 35

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-194
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+550 O/S 5M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 376
 LAB NO: 2460
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 377
 LAB NO: 2461
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 378
 LAB NO: 2462
 DEPTH: 4.4-4.6
 TYPE: AUGER

FIELD NO: 379
 LAB NO: 2463
 DEPTH: 5.9-6.1
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	89
19.0	89
12.7	86
9.5	78
4.76	70
2.38	--
2.00	61
1.19	--
0.841	55
0.595	--
0.42	51
0.297	--
0.177	--
0.149	46
0.074	42

M.C. (%): 26

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 30
 % SAND: 28
 % FINES: 42

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	95
12.7	92
9.5	88
4.76	81
2.38	--
2.00	72
1.19	--
0.841	64
0.595	--
0.42	59
0.297	--
0.177	--
0.149	53
0.074	48

M.C. (%): 24

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 19
 % SAND: 33
 % FINES: 48

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	95
4.76	91
2.38	--
2.00	85
1.19	--
0.841	79
0.595	--
0.42	75
0.297	--
0.177	--
0.149	70
0.074	67

M.C. (%): 29

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 9
 % SAND: 23
 % FINES: 67

CLASSIFICATION:
 SANDY SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	93
12.7	83
9.5	75
4.76	65
2.38	--
2.00	55
1.19	--
0.841	48
0.595	--
0.42	43
0.297	--
0.177	--
0.149	37
0.074	33

M.C. (%): 14

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 35
 % SAND: 32
 % FINES: 33

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-194
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+550 O/S 5M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.17

FIELD NO: 380
 LAB NO: 2464
 DEPTH: 7.4-7.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	90
4.76	81
2.38	--
2.00	71
1.19	--
0.841	63
0.595	--
0.42	57
0.297	--
0.177	--
0.149	48
0.074	43

M.C. (%): 20

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 19
 % SAND: 38
 % FINES: 43

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-195
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+800 O/S 4M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 381
 LAB NO: 2465
 DEPTH: 1.3-1.5
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	82
12.7	76
9.5	73
4.76	63
2.38	--
2.00	56
1.19	--
0.841	52
0.595	--
0.42	49
0.297	--
0.177	--
0.149	46
0.074	42

M.C. (%): 27

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 37
 % SAND: 21
 % FINES: 42

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-196
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1951+950 O/S 4M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 382
 LAB NO: 2466
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 383
 LAB NO: 2467
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 384
 LAB NO: 2468
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 147

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	97
12.7	83
9.5	77
4.76	61
2.38	--
2.00	44
1.19	--
0.841	33
0.595	--
0.42	26
0.297	--
0.177	--
0.149	19
0.074	16

M.C. (%): 15

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 39
 % SAND: 45
 % FINES: 16

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 50

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-197
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+100 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 385
 LAB NO: 2469
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 386
 LAB NO: 2470
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 387
 LAB NO: 2471
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	95
0.074	93

M.C. (%): 77

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 100

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 57

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-198
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-174
HOLE LOCATION: 1951+720 O/S 40M RT.
LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 388
LAB NO: 2472
DEPTH: 0.1-0.3
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
---------------	--------------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 2

LIMITS

LIQUID: --
PLASTIC: --
P.I.: --

% GRAVEL: --
% SAND: --
% FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-199
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+225 O/S 11M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 389
 LAB NO: 2473
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 390
 LAB NO: 2474
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 391
 LAB NO: 2475
 DEPTH: 4.4-4.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	92

M.C. (%): 30

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 35

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 19

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-200
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+400 O/S 10M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 392
 LAB NO: 2476
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 393
 LAB NO: 2477
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 394
 LAB NO: 2478
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	96

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 48

M.C. (%): 88

M.C. (%): 162

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-201
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+525 O/S 7M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 394
 LAB NO: 2479
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 395
 LAB NO: 2480
 DEPTH: 2.4-2.6
 TYPE: AUGER

FIELD NO: 396
 LAB NO: 2481
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	80
25.4	72
19.0	67
12.7	65
9.5	63
4.76	59
2.38	--
2.00	57
1.19	--
0.841	55
0.595	--
0.42	54
0.297	--
0.177	--
0.149	52
0.074	49

M.C. (%): 13

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 41
 % SAND: 10
 % FINES: 49

CLASSIFICATION:
 SILTY GRAVEL (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	99
12.7	87
9.5	82
4.76	74
2.38	--
2.00	68
1.19	--
0.841	65
0.595	--
0.42	62
0.297	--
0.177	--
0.149	55
0.074	51

M.C. (%): 13

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 26
 % SAND: 24
 % FINES: 51

CLASSIFICATION:
 GRAVELLY SILT
 WITH SAND (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	89
12.7	79
9.5	73
4.76	67
2.38	--
2.00	64
1.19	--
0.841	61
0.595	--
0.42	59
0.297	--
0.177	--
0.149	55
0.074	51

M.C. (%): 15

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 33
 % SAND: 16
 % FINES: 51

CLASSIFICATION:
 GRAVELLY SILT
 WITH SAND (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-202
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+650 O/S 8M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 397
 LAB NO: 2482
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 398
 LAB NO: 2483
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 399
 LAB NO: 2484
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	80
9.5	74
4.76	65
2.38	--
2.00	58
1.19	--
0.841	54
0.595	--
0.42	50
0.297	--
0.177	--
0.149	43
0.074	40

M.C. (%): 11

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 35
 % SAND: 25
 % FINES: 40

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	92
19.0	86
12.7	75
9.5	68
4.76	59
2.38	--
2.00	53
1.19	--
0.841	49
0.595	--
0.42	45
0.297	--
0.177	--
0.149	39
0.074	33

M.C. (%): 11

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 41
 % SAND: 26
 % FINES: 33

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 11

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-203
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 400
 LAB NO: 2485
 DEPTH: 0.8-1.0
 TYPE: AUGER

FIELD NO: 401
 LAB NO: 2486
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 402
 LAB NO: 2487
 DEPTH: 4.3-4.5
 TYPE: AUGER

FIELD NO: 403
 LAB NO: 2488
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	77
19.0	68
12.7	57
9.5	51
4.76	45
2.38	--
2.00	40
1.19	--
0.841	35
0.595	--
0.42	32
0.297	--
0.177	--
0.149	30
0.074	28

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 55
 % SAND: 18
 % FINES: 28

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	95
19.0	84
12.7	78
9.5	73
4.76	65
2.38	--
2.00	58
1.19	--
0.841	54
0.595	--
0.42	50
0.297	--
0.177	--
0.149	41
0.074	37

M.C. (%): 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 35
 % SAND: 28
 % FINES: 37

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	94
19.0	92
12.7	84
9.5	79
4.76	68
2.38	--
2.00	60
1.19	--
0.841	55
0.595	--
0.42	50
0.297	--
0.177	--
0.149	42
0.074	36

M.C. (%): 9

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 32
 % SAND: 32
 % FINES: 36

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	89
12.7	84
9.5	73
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 10

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 100
 % FINES: 0

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-204
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 404
 LAB NO: 2489
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 405
 LAB NO: 2490
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 406
 LAB NO: 2491
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 407
 LAB NO: 2492
 DEPTH: 8.6-8.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	93
12.7	78
9.5	72
4.76	54
2.38	--
2.00	41
1.19	--
0.841	32
0.595	--
0.42	26
0.297	--
0.177	--
0.149	22
0.074	19

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 46
 % SAND: 35
 % FINES: 19

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	91
19.0	82
12.7	73
9.5	69
4.76	61
2.38	--
2.00	54
1.19	--
0.841	48
0.595	--
0.42	43
0.297	--
0.177	--
0.149	37
0.074	32

M.C. (%): 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 39
 % SAND: 29
 % FINES: 32

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	98
12.7	90
9.5	86
4.76	75
2.38	--
2.00	66
1.19	--
0.841	60
0.595	--
0.42	55
0.297	--
0.177	--
0.149	45
0.074	40

M.C. (%): 10

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 25
 % SAND: 35
 % FINES: 40

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	96
9.5	90
4.76	79
2.38	--
2.00	71
1.19	--
0.841	66
0.595	--
0.42	61
0.297	--
0.177	--
0.149	53
0.074	47

M.C. (%): 12

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 21
 % SAND: 32
 % FINES: 47

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-205
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 408
 LAB NO: 2493
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 409
 LAB NO: 2494
 DEPTH: 1.8-2.0
 TYPE: AUGER

FIELD NO: 410
 LAB NO: 2495
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 411
 LAB NO: 2496
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	68
12.7	62
9.5	57
4.76	45
2.38	--
2.00	38
1.19	--
0.841	33
0.595	--
0.42	30
0.297	--
0.177	--
0.149	22
0.074	19

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	99
2.38	--
2.00	98
1.19	--
0.841	98
0.595	--
0.42	96
0.297	--
0.177	--
0.149	79
0.074	54

101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	92
12.7	89
9.5	86
4.76	82
2.38	--
2.00	80
1.19	--
0.841	79
0.595	--
0.42	78
0.297	--
0.177	--
0.149	72
0.074	59

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	86

M.C. (%): 4

M.C. (%): 10

M.C. (%): 10

M.C. (%): 18

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 55
 % SAND: 27
 % FINES: 19

% GRAVEL: 1
 % SAND: 45
 % FINES: 54

% GRAVEL: 18
 % SAND: 23
 % FINES: 59

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-205
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 412
 LAB NO: 2497
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	88
12.7	78
9.5	74
4.76	67
2.38	--
2.00	61
1.19	--
0.841	57
0.595	--
0.42	54
0.297	--
0.177	--
0.149	46
0.074	40

M.C. (%): 15

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 33
 % SAND: 27
 % FINES: 40

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-207
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.18

FIELD NO: 413
 LAB NO: 2498
 DEPTH: 2.6-2.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	89
12.7	77
9.5	70
4.76	56
2.38	--
2.00	48
1.19	--
0.841	42
0.595	--
0.42	38
0.297	--
0.177	--
0.149	33
0.074	27

M.C. (%): 10

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 44
 % SAND: 28
 % FINES: 27

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-208
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+800 O/S 2M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 414
 LAB NO: 2499
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 415
 LAB NO: 2500
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 416
 LAB NO: 2501
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	99
2.38	--
2.00	98
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	90

M.C. (%): 24

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 1
 % SAND: 8
 % FINES: 90

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	88
12.7	80
9.5	75
4.76	69
2.38	--
2.00	64
1.19	--
0.841	61
0.595	--
0.42	58
0.297	--
0.177	--
0.149	55
0.074	52

M.C. (%): 16

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 31
 % SAND: 17
 % FINES: 52

CLASSIFICATION:
 GRAVELLY SILT
 WITH SAND (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 14

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-209
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1952+900 O/S 2M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 417
 LAB NO: 2502
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 418
 LAB NO: 2503
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 419
 LAB NO: 2504
 DEPTH: 3.8-4.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	88
19.0	77
12.7	73
9.5	69
4.76	62
2.38	--
2.00	55
1.19	--
0.841	50
0.595	--
0.42	47
0.297	--
0.177	--
0.149	40
0.074	36

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 38
 % SAND: 26
 % FINES: 36

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	65
25.4	49
19.0	46
12.7	43
9.5	42
4.76	39
2.38	--
2.00	37
1.19	--
0.841	35
0.595	--
0.42	33
0.297	--
0.177	--
0.149	30
0.074	27

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 61
 % SAND: 12
 % FINES: 27

CLASSIFICATION:
 SILTY GRAVEL (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	90
12.7	75
9.5	63
4.76	45
2.38	--
2.00	30
1.19	--
0.841	24
0.595	--
0.42	21
0.297	--
0.177	--
0.149	16
0.074	14

M.C. (%) : 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 55
 % SAND: 31
 % FINES: 14

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-211
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1953+025 O/S 2M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 420
 LAB NO: 2505
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 421
 LAB NO: 2506
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 422
 LAB NO: 2507
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	94

M.C. (%): 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 69

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 45

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-212
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1953+162
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 423
 LAB NO: 2508
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 424
 LAB NO: 2509
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 425
 LAB NO: 2510
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	95
0.595	--
0.42	92
0.297	--
0.177	--
0.149	90
0.074	87

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 82

M.C. (%): 43

M.C. (%): 45

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 13
 % FINES: 87

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-213
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1953+270 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 426
 LAB NO: 2511
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 427
 LAB NO: 2512
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 428
 LAB NO: 2513
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	81
19.0	72
12.7	64
9.5	58
4.76	50
2.38	--
2.00	44
1.19	--
0.841	40
0.595	--
0.42	37
0.297	--
0.177	--
0.149	34
0.074	31

M.C. (%) : 14

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 50
 % SAND: 19
 % FINES: 31

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	80
19.0	76
12.7	71
9.5	68
4.76	64
2.38	--
2.00	58
1.19	--
0.841	52
0.595	--
0.42	46
0.297	--
0.177	--
0.149	37
0.074	33

M.C. (%) : 14

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 36
 % SAND: 31
 % FINES: 33

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	82
19.0	77
12.7	71
9.5	65
4.76	54
2.38	--
2.00	46
1.19	--
0.841	40
0.595	--
0.42	36
0.297	--
0.177	--
0.149	31
0.074	27

M.C. (%) : 12

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 46
 % SAND: 27
 % FINES: 27

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-214
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASK HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1953+455
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 429
 LAB NO: 2514
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 430
 LAB NO: 2515
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 431
 LAB NO: 2516
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 432
 LAB NO: 2517
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	81
19.0	75
12.7	70
9.5	66
4.76	59
2.38	--
2.00	53
1.19	--
0.841	48
0.595	--
0.42	44
0.297	--
0.177	--
0.149	39
0.074	35

101.6	--
76.2	100
50.8	74
38.1	74
25.4	69
19.0	62
12.7	54
9.5	50
4.76	40
2.38	--
2.00	33
1.19	--
0.841	29
0.595	--
0.42	26
0.297	--
0.177	--
0.149	23
0.074	21

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	99
12.7	96
9.5	93
4.76	81
2.38	--
2.00	59
1.19	--
0.841	40
0.595	--
0.42	30
0.297	--
0.177	--
0.149	20
0.074	16

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 10

M.C. (%): 6

M.C. (%): 4

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 41
 % SAND: 24
 % FINES: 35

% GRAVEL: 60
 % SAND: 19
 % FINES: 21

% GRAVEL: 19
 % SAND: 65
 % FINES: 16

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-216
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 433
 LAB NO: 2518
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 434
 LAB NO: 2519
 DEPTH: 2.7-2.9
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	73
19.0	66
12.7	50
9.5	42
4.76	32
2.38	--
2.00	26
1.19	--
0.841	21
0.595	--
0.42	17
0.297	--
0.177	--
0.149	13
0.074	11

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 3

M.C. (%): 3

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 68
 % SAND: 22
 % FINES: 11

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-217
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 435
 LAB NO: 2520
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 436
 LAB NO: 2521
 DEPTH: 2.6-2.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	94
12.7	78
9.5	69
4.76	59
2.38	--
2.00	50
1.19	--
0.841	44
0.595	--
0.42	40
0.297	--
0.177	--
0.149	32
0.074	28

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 7

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 41
 % SAND: 31
 % FINES: 28

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-218
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1953+975 O/S 1M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 437
 LAB NO: 2522
 DEPTH: 0.7-0.9
 TYPE: AUGER

FIELD NO: 438
 LAB NO: 2523
 DEPTH: 2.6-2.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	97
12.7	94
9.5	89
4.76	81
2.38	--
2.00	73
1.19	--
0.841	65
0.595	--
0.42	60
0.297	--
0.177	--
0.149	55
0.074	50

M.C. (%): 10

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 19
 % SAND: 31
 % FINES: 50

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	98
2.38	--
2.00	97
1.19	--
0.841	95
0.595	--
0.42	92
0.297	--
0.177	--
0.149	88
0.074	86

M.C. (%): 18

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 2
 % SAND: 13
 % FINES: 86

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-219
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1954+175 O/S 7M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 439
 LAB NO: 2524
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 440
 LAB NO: 2525
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 441
 LAB NO: 2526
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	99
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	93

M.C. (%) : 37

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 1
 % SAND: 6
 % FINES: 93

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 28

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-220
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1954+350 O/S 8M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 442
 LAB NO: 2527
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 443
 LAB NO: 2528
 DEPTH: 2.6-2.8
 TYPE: AUGER

ORGANIC

FIELD NO: 444
 LAB NO: 2529
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	94

M.C. (%): 57

LIMITS
 LIQUID: 35.2
 PLASTIC: 31.3
 P.I.: 3.9

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	91
0.074	91

M.C. (%): 52

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 59

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-221
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1954+525 O/S 15M RT.
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 445
 LAB NO: 2530
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 446
 LAB NO: 2531
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 447
 LAB NO: 2532
 DEPTH: 4.2-4.4
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	94
19.0	94
12.7	94
9.5	94
4.76	92
2.38	--
2.00	92
1.19	--
0.841	90
0.595	--
0.42	87
0.297	--
0.177	--
0.149	82
0.074	79

M.C. (%): 71

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 8
 % SAND: 14
 % FINES: 79

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	94

M.C. (%): 56

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	93
0.074	89

M.C. (%): 94

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 1
 % SAND: 10
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-222
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.19

FIELD NO: 448
 LAB NO: 2533
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 449
 LAB NO: 2534
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 450
 LAB NO: 2535
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	90
19.0	83
12.7	73
9.5	63
4.76	48
2.38	--
2.00	37
1.19	--
0.841	30
0.595	--
0.42	24
0.297	--
0.177	--
0.149	18
0.074	13

M.C. (%): 3

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 52
 % SAND: 36
 % FINES: 13

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	91
25.4	56
19.0	49
12.7	46
9.5	43
4.76	38
2.38	--
2.00	33
1.19	--
0.841	29
0.595	--
0.42	26
0.297	--
0.177	--
0.149	21
0.074	18

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 62
 % SAND: 20
 % FINES: 18

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	77
25.4	66
19.0	57
12.7	49
9.5	43
4.76	37
2.38	--
2.00	31
1.19	--
0.841	26
0.595	--
0.42	23
0.297	--
0.177	--
0.149	18
0.074	14

M.C. (%): 5

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 63
 % SAND: 23
 % FINES: 14

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-223
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 451
 LAB NO: 2536
 DEPTH: 1.6-1.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	82
25.4	75
19.0	69
12.7	60
9.5	51
4.76	37
2.38	--
2.00	28
1.19	--
0.841	23
0.595	--
0.42	20
0.297	--
0.177	--
0.149	14
0.074	11

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 63
 % SAND: 26
 % FINES: 11

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-224
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 452
 LAB NO: 2537
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 453
 LAB NO: 2538
 DEPTH: 3.0-3.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	100
50.8	91
38.1	91
25.4	69
19.0	63
12.7	55
9.5	48
4.76	38
2.38	--
2.00	31
1.19	--
0.841	26
0.595	--
0.42	22
0.297	--
0.177	--
0.149	17
0.074	12

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	100
50.8	70
38.1	70
25.4	70
19.0	66
12.7	59
9.5	57
4.76	48
2.38	--
2.00	40
1.19	--
0.841	35
0.595	--
0.42	30
0.297	--
0.177	--
0.149	21
0.074	16

M.C. (%): 4

M.C. (%): 5

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 62
 % SAND: 26
 % FINES: 12

% GRAVEL: 52
 % SAND: 32
 % FINES: 16

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-225
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+282 O/S 1M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 454
 LAB NO: 2539
 DEPTH: 1.2-1.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 3

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-226
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+375 O/S 7M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 455
 LAB NO: 2540
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 456
 LAB NO: 2541
 DEPTH: 2.6-2.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	87
9.5	80
4.76	66
2.38	--
2.00	53
1.19	--
0.841	44
0.595	--
0.42	38
0.297	--
0.177	--
0.149	31
0.074	25

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	92
4.76	80
2.38	--
2.00	60
1.19	--
0.841	44
0.595	--
0.42	35
0.297	--
0.177	--
0.149	25
0.074	21

M.C. (%) : 6

M.C. (%) : 13

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 34
 % SAND: 41
 % FINES: 25

% GRAVEL: 20
 % SAND: 59
 % FINES: 21

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-227
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+475 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 457
 LAB NO: 2542
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 458
 LAB NO: 2543
 DEPTH: 2.4-2.6
 TYPE: AUGER

FIELD NO: 459
 LAB NO: 2544
 DEPTH: 5.8-6.0
 TYPE: AUGER

FIELD NO: 460
 LAB NO: 2545
 DEPTH: 6.2-6.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	98
4.76	89
2.38	--
2.00	75
1.19	--
0.841	66
0.595	--
0.42	59
0.297	--
0.177	--
0.149	50
0.074	45

M.C. (%) : 20

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 11
 % SAND: 45
 % FINES: 45

CLASSIFICATION:
SILTY SAND (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	83
9.5	75
4.76	65
2.38	--
2.00	57
1.19	--
0.841	51
0.595	--
0.42	47
0.297	--
0.177	--
0.149	40
0.074	33

M.C. (%) : 12

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 35
 % SAND: 32
 % FINES: 33

CLASSIFICATION:
SILTY GRAVEL
WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	80
2.38	--
2.00	67
1.19	--
0.841	59
0.595	--
0.42	53
0.297	--
0.177	--
0.149	42
0.074	36

M.C. (%) : 16

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 20
 % SAND: 44
 % FINES: 36

CLASSIFICATION:
SILTY SAND WITH
GRAVEL (SM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	87
9.5	81
4.76	67
2.38	--
2.00	51
1.19	--
0.841	40
0.595	--
0.42	32
0.297	--
0.177	--
0.149	25
0.074	18

M.C. (%) : 11

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 33
 % SAND: 49
 % FINES: 18

CLASSIFICATION:
SILTY SAND WITH
GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-228
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+650 O/S 2M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 461
 LAB NO: 2546
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 462
 LAB NO: 2547
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 463
 LAB NO: 2548
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 464
 LAB NO: 2549
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	98
1.19	--
0.841	95
0.595	--
0.42	93
0.297	--
0.177	--
0.149	83
0.074	76

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	98
0.297	--
0.177	--
0.149	93
0.074	84

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 141

M.C. (%): 29

M.C. (%): 49

M.C. (%): 18

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 1
 % SAND: 23
 % FINES: 76

% GRAVEL: 0
 % SAND: 16
 % FINES: 84

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 111-229
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RELOCATION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+800 O/S 3M LT.
 LOGGED BY: JM DATE COMPLETED: 90.10.20

FIELD NO: 465
 LAB NO: 2550
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 466
 LAB NO: 2551
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 467
 LAB NO: 2552
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	97
0.595	--
0.42	92
0.297	--
0.177	--
0.149	70
0.074	59

M.C. (%): 25

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 41
 % FINES: 59

CLASSIFICATION:
 SANDY SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	90
0.074	80

M.C. (%): 23

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 20
 % FINES: 80

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 23

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-230
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1955+918
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 468
 LAB NO: 2553
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 469
 LAB NO: 2554
 DEPTH: 2.4-2.6
 TYPE: AUGER
 ORGANIC

FIELD NO: 470
 LAB NO: 2555
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 471
 LAB NO: 2556
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	95
0.297	--
0.177	--
0.149	90
0.074	85

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	93
0.297	--
0.177	--
0.149	87
0.074	76

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 69

M.C. (%) : 86

M.C. (%) : 42

M.C. (%) : 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 15
 % FINES: 85

% GRAVEL: 0
 % SAND: 24
 % FINES: 76

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-230
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-174
HOLE LOCATION: 1955+918
LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 472
LAB NO: 2557
DEPTH: 8.6-8.8
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
---------------	--------------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 28

LIMITS

LIQUID: --
PLASTIC: --
P.I.: --

% GRAVEL: --
% SAND: --
% FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-231
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+075 O/S 2M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 473
 LAB NO: 2558
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 474
 LAB NO: 2559
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 475
 LAB NO: 2560
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 14

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-232
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 476
 LAB NO: 2561
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 477
 LAB NO: 2562
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 478
 LAB NO: 2563
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 479
 LAB NO: 2564
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	97
19.0	79
12.7	71
9.5	65
4.76	53
2.38	--
2.00	39
1.19	--
0.841	27
0.595	--
0.42	20
0.297	--
0.177	--
0.149	15
0.074	12

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 47
 % SAND: 40
 % FINES: 12

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-232
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 480
 LAB NO: 2565
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 10

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-233
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 481
 LAB NO: 2566
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 482
 LAB NO: 2567
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 483
 LAB NO: 2568
 DEPTH: 4.4-4.6
 TYPE: AUGER

FIELD NO: 484
 LAB NO: 2569
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	80
9.5	69
4.76	49
2.38	--
2.00	31
1.19	--
0.841	21
0.595	--
0.42	16
0.297	--
0.177	--
0.149	12
0.074	10

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 6

M.C. (%) : 4

M.C. (%) : 5

M.C. (%) : 7

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 51
 % SAND: 39
 % FINES: 10

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-233
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.20

FIELD NO: 485
 LAB NO: 2570
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 7

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-234
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 486
 LAB NO: 2571
 DEPTH: 1.6-1.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 5

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-235
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 487
 LAB NO: 2572
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 488
 LAB NO: 2573
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 489
 LAB NO: 2574
 DEPTH: 3.9-4.1
 TYPE: AUGER

FIELD NO: 490
 LAB NO: 2575
 DEPTH: 5.0-5.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	92
4.76	70
2.38	--
2.00	47
1.19	--
0.841	32
0.595	--
0.42	25
0.297	--
0.177	--
0.149	18
0.074	15

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

M.C. (%): 4

M.C. (%): 11

M.C. (%): 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 30
 % SAND: 55
 % FINES: 15

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-236
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 491
 LAB NO: 2576
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 492
 LAB NO: 2577
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 493
 LAB NO: 2578
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	92
12.7	88
9.5	85
4.76	80
2.38	--
2.00	73
1.19	--
0.841	67
0.595	--
0.42	63
0.297	--
0.177	--
0.149	59
0.074	56

M.C. (%): 19

LIMITS

LIQUID: 26.8
 PLASTIC: 24.6
 P.I.: 2.2

% GRAVEL: 20
 % SAND: 23
 % FINES: 56

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	96
2.38	--
2.00	92
1.19	--
0.841	87
0.595	--
0.42	84
0.297	--
0.177	--
0.149	81
0.074	77

M.C. (%): 22

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 4
 % SAND: 20
 % FINES: 77

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 17

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-237
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 494
 LAB NO: 2579
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 495
 LAB NO: 2580
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 496
 LAB NO: 2581
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	99
12.7	89
9.5	85
4.76	78
2.38	--
2.00	70
1.19	--
0.841	64
0.595	--
0.42	60
0.297	--
0.177	--
0.149	55
0.074	51

M.C. (%): 21

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 22
 % SAND: 26
 % FINES: 51

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	91
9.5	88
4.76	83
2.38	--
2.00	77
1.19	--
0.841	72
0.595	--
0.42	69
0.297	--
0.177	--
0.149	65
0.074	62

M.C. (%): 25

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 17
 % SAND: 21
 % FINES: 62

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 16

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-238
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 497
 LAB NO: 2582
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 498
 LAB NO: 2583
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 499
 LAB NO: 2584
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 500
 LAB NO: 2585
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	100
38.1	74
25.4	67
19.0	62
12.7	52
9.5	45
4.76	35
2.38	--
2.00	25
1.19	--
0.841	17
0.595	--
0.42	14
0.297	--
0.177	--
0.149	10
0.074	8

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

M.C. (%): 8

M.C. (%): 9

M.C. (%): 17

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 65
 % SAND: 27
 % FINES: 8

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 POORLY GRADED
 GRAVEL WITH SILT
 & SAND (GP-GM)

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-238
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 501
 LAB NO: 2586
 DEPTH: 7.4-7.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 13

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-239
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 502
 LAB NO: 2587
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 503
 LAB NO: 2588
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 504
 LAB NO: 2589
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	96
19.0	90
12.7	83
9.5	79
4.76	70
2.38	--
2.00	61
1.19	--
0.841	55
0.595	--
0.42	51
0.297	--
0.177	--
0.149	45
0.074	41

M.C. (%): 14

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 30
 % SAND: 29
 % FINES: 41

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 6

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-240
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 505
 LAB NO: 2590
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 506
 LAB NO: 2591
 DEPTH: 2.4-2.6
 TYPE: AUGER
 ORGANIC

FIELD NO: 507
 LAB NO: 2592
 DEPTH: 4.0-4.2
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	99
9.5	99
4.76	98
2.38	--
2.00	94
1.19	--
0.841	89
0.595	--
0.42	83
0.297	--
0.177	--
0.149	71
0.074	62

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	94
9.5	91
4.76	85
2.38	--
2.00	80
1.19	--
0.841	73
0.595	--
0.42	65
0.297	--
0.177	--
0.149	52
0.074	43

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	95
4.76	82
2.38	--
2.00	72
1.19	--
0.841	63
0.595	--
0.42	57
0.297	--
0.177	--
0.149	48
0.074	43

M.C. (%): 99

M.C. (%): 133

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 2
 % SAND: 36
 % FINES: 62

% GRAVEL: 15
 % SAND: 43
 % FINES: 43

% GRAVEL: 18
 % SAND: 40
 % FINES: 43

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-241
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 508
 LAB NO: 2593
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 509
 LAB NO: 2594
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 510
 LAB NO: 2595
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	93
19.0	88
12.7	78
9.5	73
4.76	62
2.38	--
2.00	52
1.19	--
0.841	46
0.595	--
0.42	42
0.297	--
0.177	--
0.149	36
0.074	33

M.C. (%): 17

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 38
 % SAND: 29
 % FINES: 33

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	100
50.8	88
38.1	88
25.4	88
19.0	84
12.7	81
9.5	78
4.76	72
2.38	--
2.00	66
1.19	--
0.841	61
0.595	--
0.42	57
0.297	--
0.177	--
0.149	53
0.074	46

M.C. (%): 22

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 28
 % SAND: 26
 % FINES: 46

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	85
25.4	85
19.0	84
12.7	76
9.5	72
4.76	62
2.38	--
2.00	54
1.19	--
0.841	48
0.595	--
0.42	44
0.297	--
0.177	--
0.149	38
0.074	34

M.C. (%): 16

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 38
 % SAND: 28
 % FINES: 34

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-242
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 511
 LAB NO: 2596
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 512
 LAB NO: 2597
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANICS

FIELD NO: 513
 LAB NO: 2598
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 514
 LAB NO: 2599
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	97
19.0	96
12.7	92
9.5	90
4.76	85
2.38	--
2.00	79
1.19	--
0.841	75
0.595	--
0.42	73
0.297	--
0.177	--
0.149	70
0.074	67

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	97
9.5	94
4.76	87
2.38	--
2.00	83
1.19	--
0.841	78
0.595	--
0.42	75
0.297	--
0.177	--
0.149	65
0.074	60

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	90
12.7	84
9.5	78
4.76	73
2.38	--
2.00	66
1.19	--
0.841	60
0.595	--
0.42	56
0.297	--
0.177	--
0.149	51
0.074	47

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 18

M.C. (%): 23

M.C. (%): 19

M.C. (%): 15

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 15
 % SAND: 18
 % FINES: 67

% GRAVEL: 13
 % SAND: 27
 % FINES: 60

% GRAVEL: 27
 % SAND: 26
 % FINES: 47

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-242
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 515
 LAB NO: 2600
 DEPTH: 8.4-8.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 11

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-243
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 516
 LAB NO: 2601
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 517
 LAB NO: 2602
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 518
 LAB NO: 2603
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 519
 LAB NO: 2604
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 8

M.C. (%) : 11

M.C. (%) : 6

M.C. (%) : 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-243
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 520
 LAB NO: 2605
 DEPTH: 6.6-6.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 6

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-244
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+725 O/S 7M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 521
 LAB NO: 2606
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 522
 LAB NO: 2607
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 523
 LAB NO: 2608
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	96
0.297	--
0.177	--
0.149	93
0.074	89

M.C. (%): 53

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	97

M.C. (%): 35

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-245
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+610 O/S 30M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.21

FIELD NO: 524
 LAB NO: 2609
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 525
 LAB NO: 2610
 DEPTH: 2.6-2.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	100
38.1	82
25.4	74
19.0	73
12.7	67
9.5	62
4.76	55
2.38	--
2.00	49
1.19	--
0.841	42
0.595	--
0.42	38
0.297	--
0.177	--
0.149	34
0.074	29

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	98
9.5	97
4.76	92
2.38	--
2.00	78
1.19	--
0.841	60
0.595	--
0.42	47
0.297	--
0.177	--
0.149	33
0.074	27

M.C. (%) : 16

M.C. (%) : 18

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 45
 % SAND: 26
 % FINES: 29

% GRAVEL: 8
 % SAND: 65
 % FINES: 27

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:
 SILTY SAND (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-246
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+470 O/S 8M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 526
 LAB NO: 2611
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 527
 LAB NO: 2612
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 528
 LAB NO: 2613
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	98
1.19	--
0.841	97
0.595	--
0.42	95
0.297	--
0.177	--
0.149	86
0.074	78

M.C. (%): 65

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 22
 % FINES: 78

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	93
12.7	79
9.5	73
4.76	56
2.38	--
2.00	45
1.19	--
0.841	38
0.595	--
0.42	35
0.297	--
0.177	--
0.149	31
0.074	28

M.C. (%): 16

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 44
 % SAND: 28
 % FINES: 28

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	87
9.5	83
4.76	73
2.38	--
2.00	65
1.19	--
0.841	60
0.595	--
0.42	56
0.297	--
0.177	--
0.149	54
0.074	50

M.C. (%): 24

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 27
 % SAND: 22
 % FINES: 50

CLASSIFICATION:
 GRAVELLY SILT
 WITH SAND (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 112-247
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+325 O/S 13M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 529
 LAB NO: 2614
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 530
 LAB NO: 2615
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 531
 LAB NO: 2616
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	100
50.8	73
38.1	73
25.4	67
19.0	66
12.7	61
9.5	59
4.76	54
2.38	--
2.00	49
1.19	--
0.841	44
0.595	--
0.42	41
0.297	--
0.177	--
0.149	37
0.074	35

M.C. (%): 15

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 46
 % SAND: 20
 % FINES: 35

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	98
1.19	--
0.841	96
0.595	--
0.42	94
0.297	--
0.177	--
0.149	92
0.074	89

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 10
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	98

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-248
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 532
 LAB NO: 2617
 DEPTH: 0.8-1.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-249
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 533
 LAB NO: 2618
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 534
 LAB NO: 2619
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 535
 LAB NO: 2620
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 536
 LAB NO: 2621
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

M.C. (%) : 2

M.C. (%) : 5

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-249
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 537
 LAB NO: 2622
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 6

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-250
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 538
 LAB NO: 2623
 DEPTH: 0.8-1.0
 TYPE: AUGER

FIELD NO: 539
 LAB NO: 2624
 DEPTH: 2.1-2.3
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 13

M.C. (%): 3

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-251
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 540
 LAB NO: 2625
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 541
 LAB NO: 2626
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 542
 LAB NO: 2627
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 5

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-253
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1956+855 O/S 1M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 543
 LAB NO: 2628
 DEPTH: 0.9-1.1
 TYPE: AUGER

FIELD NO: 544
 LAB NO: 2629
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 545
 LAB NO: 2630
 DEPTH: 4.3-4.5
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	84
19.0	81
12.7	81
9.5	80
4.76	79
2.38	--
2.00	76
1.19	--
0.841	74
0.595	--
0.42	72
0.297	--
0.177	--
0.149	70
0.074	66

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	97
12.7	90
9.5	85
4.76	82
2.38	--
2.00	77
1.19	--
0.841	72
0.595	--
0.42	69
0.297	--
0.177	--
0.149	63
0.074	58

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	95
9.5	92
4.76	85
2.38	--
2.00	77
1.19	--
0.841	70
0.595	--
0.42	65
0.297	--
0.177	--
0.149	59
0.074	55

M.C. (%): 18

M.C. (%): 21

M.C. (%): 28

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 21
 % SAND: 12
 % FINES: 66

% GRAVEL: 18
 % SAND: 23
 % FINES: 58

% GRAVEL: 15
 % SAND: 29
 % FINES: 55

CLASSIFICATION:
 GRAVELLY SILT
 (ML)

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-254
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1957+050 O/S 4M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 546
 LAB NO: 2631
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 547
 LAB NO: 2632
 DEPTH: 2.7-2.9
 TYPE: AUGER

FIELD NO: 548
 LAB NO: 2633
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	91
19.0	87
12.7	74
9.5	64
4.76	48
2.38	--
2.00	38
1.19	--
0.841	32
0.595	--
0.42	29
0.297	--
0.177	--
0.149	25
0.074	22

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 22

M.C. (%): 68

M.C. (%): 134

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 52
 % SAND: 26
 % FINES: 22

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-255
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1957+250 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 549
 LAB NO: 2634
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 550
 LAB NO: 2635
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 551
 LAB NO: 2636
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	91
9.5	88
4.76	82
2.38	--
2.00	73
1.19	--
0.841	68
0.595	--
0.42	64
0.297	--
0.177	--
0.149	60
0.074	57

M.C. (%): 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 18
 % SAND: 26
 % FINES: 57

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	96
9.5	91
4.76	83
2.38	--
2.00	74
1.19	--
0.841	67
0.595	--
0.42	64
0.297	--
0.177	--
0.149	60
0.074	55

M.C. (%): 26

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 17
 % SAND: 28
 % FINES: 55

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 40

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-256
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1957+446 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 552
 LAB NO: 2637
 DEPTH: 1.3-1.5
 TYPE: AUGER

FIELD NO: 553
 LAB NO: 2638
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 554
 LAB NO: 2639
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	98
1.19	--
0.841	97
0.595	--
0.42	95
0.297	--
0.177	--
0.149	93
0.074	88

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 48

M.C. (%): 64

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-257
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1957+650 O/S 4M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 555
 LAB NO: 2640
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 556
 LAB NO: 2641
 DEPTH: 2.7-2.9
 TYPE: AUGER

FIELD NO: 557
 LAB NO: 2642
 DEPTH: 3.8-4.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	94
0.297	--
0.177	--
0.149	88
0.074	83

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 92

M.C. (%): 40

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 17
 % FINES: 83

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-258
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1957+850 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 558
 LAB NO: 2643
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 559
 LAB NO: 2644
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 560
 LAB NO: 2645
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	96
0.297	--
0.177	--
0.149	71
0.074	56

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 83

M.C. (%): 46

M.C. (%): 105

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 44
 % FINES: 56

% GRAVEL: 0
 % SAND: 5
 % FINES: 94

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-259
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+075 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.22

FIELD NO: 561
 LAB NO: 2646
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 562
 LAB NO: 2647
 DEPTH: 2.7-2.9
 TYPE: AUGER

FIELD NO: 563
 LAB NO: 2648
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	96
2.38	--
2.00	89
1.19	--
0.841	82
0.595	--
0.42	78
0.297	--
0.177	--
0.149	72
0.074	68

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	96
0.074	93

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 119

M.C. (%): 40

M.C. (%): 53

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 4
 % SAND: 28
 % FINES: 68

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-260
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+250
 LOGGED BY: JG DATE COMPLETED: O/S 2M LT.

FIELD NO: 564
 LAB NO: 2649
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 565
 LAB NO: 2650
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 566
 LAB NO: 2651
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	97
0.297	--
0.177	--
0.149	94
0.074	88

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	92

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 73

M.C. (%): 31

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-261
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+450 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 567
 LAB NO: 2652
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 568
 LAB NO: 2653
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 569
 LAB NO: 2654
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	93
0.595	--
0.42	86
0.297	--
0.177	--
0.149	78
0.074	74

M.C. (%): 96

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 26
 % FINES: 74

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	96

M.C. (%): 30

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 28

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-262
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+650 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 570
 LAB NO: 2655
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 571
 LAB NO: 2656
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 572
 LAB NO: 2657
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	95
0.074	90

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	100
0.074	98

M.C. (%): 42

M.C. (%): 31

M.C. (%): 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 10
 % FINES: 90

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 **HOLE NUMBER:** 113-263
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-174
HOLE LOCATION: 1958+850 O/S 2M LT.
LOGGED BY: JG **DATE COMPLETED:** 90.10.23

FIELD NO: 573
LAB NO: 2658
DEPTH: 1.0-1.2
TYPE: AUGER

FIELD NO: 574
LAB NO: 2659
DEPTH: 2.8-3.0
TYPE: AUGER
 ORGANIC

FIELD NO: 575
LAB NO: 2660
DEPTH: 4.2-4.4
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	99

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	100
0.074	97

M.C. (%) : 28

M.C. (%) : 28

M.C. (%) : 29

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

% GRAVEL: 0
% SAND: 6
% FINES: 94

% GRAVEL: 0
% SAND: 1
% FINES: 99

% GRAVEL: 0
% SAND: 3
% FINES: 97

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-264
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 576
 LAB NO: 2661
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 577
 LAB NO: 2662
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 578
 LAB NO: 2663
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 579
 LAB NO: 2664
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
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SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	97
1.19	--
0.841	93
0.595	--
0.42	89
0.297	--
0.177	--
0.149	84
0.074	79

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	98
12.7	95
9.5	90
4.76	84
2.38	--
2.00	75
1.19	--
0.841	66
0.595	--
0.42	60
0.297	--
0.177	--
0.149	52
0.074	48

M.C. (%): 40

M.C. (%): 33

M.C. (%): 32

M.C. (%): 26

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 1
 % SAND: 20
 % FINES: 79

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 16
 % SAND: 36
 % FINES: 48

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-265
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 580
 LAB NO: 2665
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 581
 LAB NO: 2666
 DEPTH: 1.6-1.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 21

M.C. (%) : 14

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-266
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 582
 LAB NO: 2667
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 583
 LAB NO: 2668
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 584
 LAB NO: 2669
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 585
 LAB NO: 2670
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	97
0.074	96

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	91
9.5	82
4.76	71
2.38	--
2.00	58
1.19	--
0.841	46
0.595	--
0.42	38
0.297	--
0.177	--
0.149	32
0.074	28

M.C. (%): 7

M.C. (%): 30

M.C. (%): 29

M.C. (%): 15

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: 29
 % SAND: 43
 % FINES: 28

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 113-267
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 586
 LAB NO: 2671
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 587
 LAB NO: 2672
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 588
 LAB NO: 2673
 DEPTH: 3.4-3.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	98
9.5	97
4.76	95
2.38	--
2.00	90
1.19	--
0.841	85
0.595	--
0.42	82
0.297	--
0.177	--
0.149	78
0.074	75

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	97
12.7	89
9.5	83
4.76	74
2.38	--
2.00	75
1.19	--
0.841	55
0.595	--
0.42	48
0.297	--
0.177	--
0.149	39
0.074	33

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 17

M.C. (%) : 8

M.C. (%) : 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 5
 % SAND: 20
 % FINES: 75

% GRAVEL: 26
 % SAND: 41
 % FINES: 33

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-268
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 589
 LAB NO: 2674
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 590
 LAB NO: 2675
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 591
 LAB NO: 2676
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	99
9.5	99
4.76	99
2.38	--
2.00	98
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	94

M.C. (%): 19

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 1
 % SAND: 5
 % FINES: 94

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 14

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 11

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-269
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 592
 LAB NO: 2677
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 593
 LAB NO: 2678
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 594
 LAB NO: 2679
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 595
 LAB NO: 2680
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	100
9.5	100
4.76	97
2.38	--
2.00	95
1.19	--
0.841	92
0.595	--
0.42	90
0.297	--
0.177	--
0.149	86
0.074	84

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	98
9.5	96
4.76	91
2.38	--
2.00	84
1.19	--
0.841	78
0.595	--
0.42	73
0.297	--
0.177	--
0.149	68
0.074	64

M.C. (%): 18

M.C. (%): 23

M.C. (%): 26

M.C. (%): 21

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 3
 % SAND: 13
 % FINES: 84

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: 9
 % SAND: 27
 % FINES: 64

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SANDY SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-270
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+975 O/S 12M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 596
 LAB NO: 2681
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 597
 LAB NO: 2682
 DEPTH: 2.7-2.9
 TYPE: AUGER

FIELD NO: 598
 LAB NO: 2683
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	98
1.19	--
0.841	96
0.595	--
0.42	95
0.297	--
0.177	--
0.149	93
0.074	91

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	97
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	97

M.C. (%): 37

M.C. (%): 40

M.C. (%): 33

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: *N.P.*

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (mh)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-271
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+125 O/S 4M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.23

FIELD NO: 599
 LAB NO: 2684
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 600
 LAB NO: 2685
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 601
 LAB NO: 2686
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	98
0.297	--
0.177	--
0.149	97
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	95

M.C. (%): 24

M.C. (%): 24

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-272
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 602
 LAB NO: 2687
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 603
 LAB NO: 2688
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 604
 LAB NO: 2689
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 605
 LAB NO: 2690
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	96
0.297	--
0.177	--
0.149	95
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	99
2.38	--
2.00	96
1.19	--
0.841	93
0.595	--
0.42	91
0.297	--
0.177	--
0.149	87
0.074	86

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	94
12.7	91
9.5	88
4.76	84
2.38	--
2.00	79
1.19	--
0.841	74
0.595	--
0.42	70
0.297	--
0.177	--
0.149	67
0.074	65

M.C. (%): 25

M.C. (%): 30

M.C. (%): 22

M.C. (%): 22

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 5
 % FINES: 94

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: 1
 % SAND: 13
 % FINES: 86

% GRAVEL: 16
 % SAND: 20
 % FINES: 65

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SANDY SILT WITH
 GRAVEL (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-272
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 606
 LAB NO: 2691
 DEPTH: 7.8-8.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	96
9.5	96
4.76	92
2.38	--
2.00	81
1.19	--
0.841	72
0.595	--
0.42	64
0.297	--
0.177	--
0.149	55
0.074	51

M.C. (%): 18

LIMITS

LIQUID: 22.7
 PLASTIC: 19.8
 P.I.: 2.9

% GRAVEL: 8
 % SAND: 42
 % FINES: 51

CLASSIFICATION:
 SANDY SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-273
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 607
 LAB NO: 2693
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 608
 LAB NO: 2693
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 609
 LAB NO: 2694
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 610
 LAB NO: 2695
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 25

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	100
25.4	95
19.0	89
12.7	79
9.5	77
4.76	70
2.38	--
2.00	62
1.19	--
0.841	56
0.595	--
0.42	52
0.297	--
0.177	--
0.149	47
0.074	45

M.C. (%): 17

LIMITS
 LIQUID: 22.4
 PLASTIC: 20.5
 P.I.: 1.9

% GRAVEL: 30
 % SAND: 25
 % FINES: 45

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-273
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 611
 LAB NO: 2696
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	98
12.7	95
9.5	93
4.76	87
2.38	--
2.00	79
1.19	--
0.841	71
0.595	--
0.42	66
0.297	--
0.177	--
0.149	60
0.074	57

M.C. (%): 20

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 13
 % SAND: 30
 % FINES: 57

CLASSIFICATION:
 SANDY SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-274
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+905 O/S 15M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 612
 LAB NO: 2697
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 613
 LAB NO: 2698
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 614
 LAB NO: 2699
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 615
 LAB NO: 2700
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	93
0.074	91

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	97
0.074	96

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	100
0.074	99

M.C. (%): 72

M.C. (%): 36

M.C. (%): 37

M.C. (%): 50

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: 0
 % SAND: 1
 % FINES: 99

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-274
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1958+905 O/S 15M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 616
 LAB NO: 2701
 DEPTH: 8.8-9.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 44

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-275
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+050 O/S 12M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 617
 LAB NO: 2702
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 618
 LAB NO: 2703
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 619
 LAB NO: 2704
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 620
 LAB NO: 2705
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	99

M.C. (%): 26

M.C. (%): 29

M.C. (%): 35

M.C. (%): 35

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: 0
 % SAND: 1
 % FINES: 99

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-275
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+050 O/S 12M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 621
 LAB NO: 2706
 DEPTH: 8.6-8.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	100
0.074	98

M.C. (%): 37

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-276
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+200 O/S 6M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 622
 LAB NO: 2707
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 623
 LAB NO: 2708
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 624
 LAB NO: 2709
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	96
0.297	--
0.177	--
0.149	93
0.074	89

M.C. (%): 45

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	96

M.C. (%): 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	98
2.38	--
2.00	95
1.19	--
0.841	92
0.595	--
0.42	90
0.297	--
0.177	--
0.149	85
0.074	82

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 2
 % SAND: 16
 % FINES: 82

CLASSIFICATION:
 SILT WITH SAND
 (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-277
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+450 O/S 10M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 625
 LAB NO: 2710
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 626
 LAB NO: 2711
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANIC

FIELD NO: 627
 LAB NO: 2712
 DEPTH: 4.2-4.4
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	95
0.074	88

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	96

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	93

M.C. (%): 247

M.C. (%): 40

M.C. (%): 34

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 11
 % FINES: 88

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-278
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+565 O/S 10M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 628
 LAB NO: 2713
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANICS

FIELD NO: 629
 LAB NO: 2714
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 630
 LAB NO: 2715
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	98
1.19	--
0.841	95
0.595	--
0.42	91
0.297	--
0.177	--
0.149	83
0.074	79

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 660

M.C. (%): 122

M.C. (%): 66

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: 0
 % SAND: 21
 % FINES: 79

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-279
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+770 O/S 12M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 631
 LAB NO: 2716
 DEPTH: 5.8-6.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 64

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-280
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1959+975 O/S 12M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 632
 LAB NO: 2717
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 633
 LAB NO: 2718
 DEPTH: 4.2-4.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 634
 LAB NO: 2719
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	97
0.595	--
0.42	94
0.297	--
0.177	--
0.149	88
0.074	85

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 38

M.C. (%): 102

M.C. (%): 72

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 0
 % SAND: 15
 % FINES: 85

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-281
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+175 O/S 8M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 635
 LAB NO: 2720
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 636
 LAB NO: 2721
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANICS

FIELD NO: 637
 LAB NO: 2722
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	94
0.074	86

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	98
0.595	--
0.42	95
0.297	--
0.177	--
0.149	91
0.074	86

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	89

M.C. (%): 51

M.C. (%): 83

M.C. (%): 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-282
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+380 O/S 15M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 638
 LAB NO: 2723
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 639
 LAB NO: 2724
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 640
 LAB NO: 2725
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	100
0.074	99

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 56

M.C. (%): 59

M.C. (%): 57

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 1
 % FINES: 99

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-283
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+550 O/S 12M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 641
 LAB NO: 2726
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 642
 LAB NO: 2727
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 643
 LAB NO: 2728
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	89

M.C. (%): 45

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	97
0.074	93

M.C. (%): 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 108

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 **HOLE NUMBER:** 114-284
CLIENT: SHAKWAK PROJECT
PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
PROJECT LOCATION: BEAVER CREEK
DRILL UNIT: 17-174
HOLE LOCATION: 1960+700 O/S 4M RT.
LOGGED BY: JG **DATE COMPLETED:** 90.10.24

FIELD NO: 644
LAB NO: 2729
DEPTH: 1.2-1.4
TYPE: AUGER
 ORGANIC

FIELD NO: 645
LAB NO: 2730
DEPTH: 2.8-3.0
TYPE: AUGER
 ORGANIC

FIELD NO: 646
LAB NO: 2731
DEPTH: 4.2-4.4
TYPE: AUGER

FIELD NO: 647
LAB NO: 2732
DEPTH: 5.6-5.8
TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	88

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	88

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	79

M.C. (%) : 49

M.C. (%) : 44

M.C. (%) : 26

M.C. (%) : 26

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

LIMITS
LIQUID: --
PLASTIC: --
P.I.: N.P.

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: 0
 % SAND: 21
 % FINES: 79

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT WITH SAND (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 114-284
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+700 O/S 4M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.24

FIELD NO: 648
 LAB NO: 2733
 DEPTH: 8.6-8.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	93

M.C. (%): 26

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-285
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+825 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 649	FIELD NO: 650	FIELD NO: 651	FIELD NO: 652
LAB NO: 2734	LAB NO: 2735	LAB NO: 2736	LAB NO: 2737
DEPTH: 1.2-1.4	DEPTH: 2.6-2.8	DEPTH: 4.2-4.4	DEPTH: 5.6-5.8
TYPE: AUGER	TYPE: AUGER	TYPE: AUGER	TYPE: AUGER ORGANIC

SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING	SIEVE SIZE	PERCENT PASSING
101.6	--	101.6	--	101.6	--	101.6	--
76.2	--	76.2	--	76.2	--	76.2	--
50.8	--	50.8	--	50.8	--	50.8	--
38.1	--	38.1	--	38.1	--	38.1	--
25.4	--	25.4	--	25.4	--	25.4	--
19.0	--	19.0	--	19.0	--	19.0	--
12.7	--	12.7	--	12.7	--	12.7	--
9.5	100	9.5	--	9.5	100	9.5	100
4.76	100	4.76	100	4.76	100	4.76	100
2.38	--	2.38	--	2.38	--	2.38	--
2.00	100	2.00	100	2.00	99	2.00	100
1.19	--	1.19	--	1.19	--	1.19	--
0.841	100	0.841	100	0.841	99	0.841	99
0.595	--	0.595	--	0.595	--	0.595	--
0.42	99	0.42	99	0.42	98	0.42	99
0.297	--	0.297	--	0.297	--	0.297	--
0.177	--	0.177	--	0.177	--	0.177	--
0.149	95	0.149	98	0.149	98	0.149	98
0.074	89	0.074	87	0.074	96	0.074	96

M.C. (%): 58 M.C. (%): 36 M.C. (%): 37 M.C. (%): 46

LIMITS		LIMITS		LIMITS		LIMITS	
LIQUID:	--	LIQUID:	--	LIQUID:	--	LIQUID:	--
PLASTIC:	--	PLASTIC:	--	PLASTIC:	--	PLASTIC:	--
P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.	P.I.:	N.P.

% GRAVEL:	0	% GRAVEL:	0	% GRAVEL:	0	% GRAVEL:	0
% SAND:	11	% SAND:	13	% SAND:	3	% SAND:	3
% FINES:	89	% FINES:	87	% FINES:	96	% FINES:	96

CLASSIFICATION: SILT (ML) CLASSIFICATION: SILT (ML) CLASSIFICATION: SILT (ML) CLASSIFICATION: SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-285
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+825 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 653
 LAB NO: 2738
 DEPTH: 8.6-8.8
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

M.C. (%): 82

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-286
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1960+975 O/S 2M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 654
 LAB NO: 2739
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 655
 LAB NO: 2740
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 656
 LAB NO: 2741
 DEPTH: 4.0-4.2
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	99

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	97

M.C. (%): 63

M.C. (%): 33

M.C. (%): 44

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 0
 % SAND: 1
 % FINES: 99

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-287
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+125 O/S 3M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 657
 LAB NO: 2766
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 658
 LAB NO: 2742
 DEPTH: 2.4-2.6
 TYPE: AUGER

FIELD NO: 659
 LAB NO: 2743
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
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SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	96

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	93

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	95
0.074	91

M.C. (%): 45

M.C. (%): 35

M.C. (%): 59

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-288
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+275 O/S 3M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 660
 LAB NO: 2744
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 661
 LAB NO: 2745
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 662
 LAB NO: 2746
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	95

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	97
12.7	93
9.5	83
4.76	68
2.38	--
2.00	52
1.19	--
0.841	41
0.595	--
0.42	36
0.297	--
0.177	--
0.149	31
0.074	28

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	100
9.5	99
4.76	99
2.38	--
2.00	98
1.19	--
0.841	97
0.595	--
0.42	97
0.297	--
0.177	--
0.149	96
0.074	94

M.C. (%): 51

M.C. (%): 15

M.C. (%): 41

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: 32
 % SAND: 40
 % FINES: 28

% GRAVEL: 1
 % SAND: 5
 % FINES: 94

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-289
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+425 O/S 2M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 663
 LAB NO: 2747
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 664
 LAB NO: 2748
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANIC

FIELD NO: 665
 LAB NO: 2449
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	93

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 53

M.C. (%): 70

M.C. (%): 64

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

% GRAVEL: 0
 % SAND: 7
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-290
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 666
 LAB NO: 2750
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 667
 LAB NO: 2751
 DEPTH: 5.4-5.6
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 3

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-291
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 668
 LAB NO: 2752
 DEPTH: 0.9-1.1
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-292
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 669
 LAB NO: 2753
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 670
 LAB NO: 2754
 DEPTH: 1.8-2.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

M.C. (%): 2

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-293
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 671
 LAB NO: 2755
 DEPTH: 0.6-0.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-294
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+575
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 672
 LAB NO: 2756
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 673
 LAB NO: 2757
 DEPTH: 2.0-2.2
 TYPE: AUGER

FIELD NO: 674
 LAB NO: 2758
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 675
 LAB NO: 2759
 DEPTH: 4.2-4.4
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	97
2.38	--
2.00	92
1.19	--
0.841	88
0.595	--
0.42	86
0.297	--
0.177	--
0.149	84
0.074	81

M.C. (%): 21

LIMITS

LIQUID: 27.8
 PLASTIC: 24.1
 P.I.: 3.7

% GRAVEL: 3
 % SAND: 16
 % FINES: 81

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	98
12.7	98
9.5	96
4.76	93
2.38	--
2.00	89
1.19	--
0.841	85
0.595	--
0.42	83
0.297	--
0.177	--
0.149	80
0.074	75

M.C. (%): 19

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 7
 % SAND: 18
 % FINES: 75

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	96
0.297	--
0.177	--
0.149	94
0.074	91

M.C. (%): 29

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	100
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	98

M.C. (%): 25

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-295
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+725
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 676
 LAB NO: 2760
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 677
 LAB NO: 2761
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 678
 LAB NO: 2762
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	89

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

M.C. (%): 22

M.C. (%): 45

M.C. (%): 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

% GRAVEL: 0
 % SAND: 11
 % FINES: 89

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-296
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+800 O/S 3M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.25

FIELD NO: 679
 LAB NO: 2763
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 680
 LAB NO: 2764
 DEPTH: 2.8-3.0
 TYPE: AUGER
 ORGANIC

FIELD NO: 681
 LAB NO: 2765
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	93

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	95

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 42

M.C. (%): 51

M.C. (%): 43

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

% GRAVEL: 0
 % SAND: 5
 % FINES: 95

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-297
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+825 O/S 25M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 682
 LAB NO: 2767
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 683
 LAB NO: 2768
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANIC

FIELD NO: 684
 LAB NO: 2769
 DEPTH: 4.2-4.4
 TYPE: AUGER
 ORGANIC

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	94
0.074	92

M.C. (%): 61

M.C. (%): 111

M.C. (%): 139

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT (ML)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-298
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1961+985 O/S 17M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 685
 LAB NO: 2770
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 686
 LAB NO: 2771
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANIC

FIELD NO: 687
 LAB NO: 2772
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	97

M.C. (%): 53

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	93
0.074	91

M.C. (%): 36

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 9
 % FINES: 91

CLASSIFICATION:
 SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 59

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-299
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+135 O/S 17M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 687
 LAB NO: 2773
 DEPTH: 4.0-4.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 688
 LAB NO: 2774
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 689
 LAB NO: 2775
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 56

M.C. (%): 94

M.C. (%): 31

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 7
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-300
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+300 0/5 57m RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 690
 LAB NO: 2776
 DEPTH: 1.0-1.2
 TYPE: AUGER

FIELD NO: 691
 LAB NO: 2777
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-301
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+470 O/S 42M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 692
 LAB NO: 2778
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 693
 LAB NO: 2779
 DEPTH: 3.0-3.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	100
19.0	92
12.7	84
9.5	77
4.76	62
2.38	--
2.00	50
1.19	--
0.841	42
0.595	--
0.42	37
0.297	--
0.177	--
0.149	30
0.074	25

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 6

M.C. (%): 8

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 38
 % SAND: 38
 % FINES: 25

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-302
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+640 O/S 65M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 694
 LAB NO: 2780
 DEPTH: 1.2-1.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	81
19.0	64
12.7	55
9.5	47
4.76	36
2.38	--
2.00	29
1.19	--
0.841	23
0.595	--
0.42	19
0.297	--
0.177	--
0.149	16
0.074	13

M.C. (%): 5

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 64
 % SAND: 24
 % FINES: 13

CLASSIFICATION:
 SILTY GRAVEL
 WITH SAND (GM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-304
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+775 O/S 45M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 695
 LAB NO: 2782
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 696
 LAB NO: 2783
 DEPTH: 3.2-3.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 5

M.C. (%): 7

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-305
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1962+940 O/S 15M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 697
 LAB NO: 2784
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 698
 LAB NO: 2785
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 699
 LAB NO: 2786
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	97

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 52

M.C. (%): 79

M.C. (%): 76

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 3
 % FINES: 97

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 115-306
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+112 O/S 15M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 700
 LAB NO: 2787
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 701
 LAB NO: 2788
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 702
 LAB NO: 2789
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 81

M.C. (%): 85

M.C. (%): 23

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-307
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+325 O/S 15M RT.
 LOGGED BY: JG DATE COMPLETED: 90.-10.29

FIELD NO: 703
 LAB NO: 2790
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 704
 LAB NO: 2791
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 705
 LAB NO: 2792
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	96
0.074	80

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 56

M.C. (%): 28

M.C. (%): 26

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: 0
 % SAND: 20
 % FINES: 80

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-308
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+490 O/S 12M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 706
 LAB NO: 2793
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 707
 LAB NO: 2794
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 708
 LAB NO: 2795
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	93

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	77

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 30

M.C. (%): 22

M.C. (%): 21

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 7
 % FINES: 93

% GRAVEL: 0
 % SAND: 23
 % FINES: 77

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-309
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 709
 LAB NO: 2796
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 710
 LAB NO: 2797
 DEPTH: 2.7-2.9
 TYPE: AUGER

FIELD NO: 711
 LAB NO: 2798
 DEPTH: 4.2-4.4
 TYPE: AUGER

FIELD NO: 712
 LAB NO: 2799
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	76

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	100
12.7	98
9.5	97
4.76	95
2.38	--
2.00	93
1.19	--
0.841	90
0.595	--
0.42	89
0.297	--
0.177	--
0.149	88
0.074	81

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	83

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	100
25.4	93
19.0	93
12.7	91
9.5	88
4.76	81
2.38	--
2.00	70
1.19	--
0.841	62
0.595	--
0.42	57
0.297	--
0.177	--
0.149	52
0.074	45

M.C. (%): 16

M.C. (%): 14

M.C. (%): 25

M.C. (%): 29

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: 26.1
 PLASTIC: 23.2
 P.I.: 2.9

% GRAVEL: 0
 % SAND: 24
 % FINES: 76

% GRAVEL: 5
 % SAND: 15
 % FINES: 81

% GRAVEL: 0
 % SAND: 16
 % FINES: 83

% GRAVEL: 19
 % SAND: 36
 % FINES: 45

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILTY SAND WITH
 GRAVEL (SM)

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-309
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 7123
 LAB NO: 2800
 DEPTH: 8.6-8.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	---
76.2	---
50.8	---
38.1	---
25.4	---
19.0	---
12.7	---
9.5	---
4.76	---
2.38	---
2.00	---
1.19	---
0.841	---
0.595	---
0.42	---
0.297	---
0.177	---
0.149	---
0.074	---

M.C. (%): 18

LIMITS

LIQUID: ---
 PLASTIC: ---
 P.I.: ---

% GRAVEL: ---
 % SAND: ---
 % FINES: ---

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-310
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 714
 LAB NO: 2801
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 715
 LAB NO: 2802
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 4

M.C. (%): 6

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-311
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 716
 LAB NO: 2803
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 717
 LAB NO: 2804
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 718
 LAB NO: 2805
 DEPTH: 7.8-8.0
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 3

M.C. (%): 3

M.C. (%): 3

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-312
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: SEE PLAN
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 719
 LAB NO: 2806
 DEPTH: 1.2-1.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 7

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-313
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+625 O/S 25M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 720
 LAB NO: 2807
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 721
 LAB NO: 2808
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 722
 LAB NO: 2809
 DEPTH: 5.6-5.8
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 4

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-314
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+840 O/S 7M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 722
 LAB NO: 2810
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 723
 LAB NO: 2811
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 724
 LAB NO: 2812
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	86

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	98
0.074	75

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 28

M.C. (%): 27

M.C. (%): 27

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS

LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

% GRAVEL: 0
 % SAND: 25
 % FINES: 75

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-315
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+135 O/S 7M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.29

FIELD NO: 725
 LAB NO: 2813
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 726
 LAB NO: 2814
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 727
 LAB NO: 2815
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	98
0.074	80

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 30

M.C. (%): 53

M.C. (%): 36

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 20
 % FINES: 80

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-316
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+458 O/S 7M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 728
 LAB NO: 2816
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 729
 LAB NO: 2817
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 730
 LAB NO: 2818
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	90

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 28

M.C. (%): 40

M.C. (%): 52

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 10
 % FINES: 90

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-317
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+780 O/S 8M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 731
 LAB NO: 2819
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANICS

FIELD NO: 732
 LAB NO: 2820
 DEPTH: 4.0-4.2
 TYPE: AUGER

FIELD NO: 733
 LAB NO: 2821
 DEPTH: 4.0-4.2
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	98

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 145

M.C. (%): 228

M.C. (%): 30

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 2
 % FINES: 98

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-318
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+058 O/S 9M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 734
 LAB NO: 2822
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 735
 LAB NO: 2823
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 736
 LAB NO: 2824
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	78

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 24

M.C. (%): 26

M.C. (%): 38

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 22
 % FINES: 78

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-319
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+350 O/S 22M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 737
 LAB NO: 2825
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 738
 LAB NO: 2826
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 739
 LAB NO: 2827
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	91
1.19	--
0.841	84
0.595	--
0.42	80
0.297	--
0.177	--
0.149	76
0.074	73

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 279

M.C. (%): 38

M.C. (%): 73

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 27
 % FINES: 73

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-320
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+350 O/S 4M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 740
 LAB NO: 2828
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 741
 LAB NO: 2829
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 742
 LAB NO: 2830
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	96

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 107

M.C. (%): 51

M.C. (%): 52

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-321
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+590 O/S 14M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 743
 LAB NO: 2831
 DEPTH: 1.0-1.2
 TYPE: AUGER
 ORGANIC

FIELD NO: 744
 LAB NO: 2832
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 745
 LAB NO: 2833
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	97
0.595	--
0.42	96
0.297	--
0.177	--
0.149	94
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 142

M.C. (%): 72

M.C. (%): 80

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-322
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+590 O/S 45M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 746
 LAB NO: 2834
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 747
 LAB NO: 2835
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 748
 LAB NO: 2836
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	96
0.595	--
0.42	94
0.297	--
0.177	--
0.149	91
0.074	88

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 121

M.C. (%): 43

M.C. (%): 51

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-323
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+350 O/S 18M LT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 749
 LAB NO: 2837
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 750
 LAB NO: 2838
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 751
 LAB NO: 2839
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	96
1.19	--
0.841	88
0.595	--
0.42	79
0.297	--
0.177	--
0.149	64
0.074	58

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	100
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	96
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 586

M.C. (%): 54

M.C. (%): 39

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 42
 % FINES: 58

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SANDY SILT (ML)

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-324
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+200 O/S 34M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 752
 LAB NO: 2840
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 753
 LAB NO: 2841
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 754
 LAB NO: 2842
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	98
1.19	--
0.841	91
0.595	--
0.42	87
0.297	--
0.177	--
0.149	81
0.074	78

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	99
1.19	--
0.841	98
0.595	--
0.42	97
0.297	--
0.177	--
0.149	95
0.074	80

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 262

M.C. (%): 31

M.C. (%): 27

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 22
 % FINES: 78

% GRAVEL: 0
 % SAND: 20
 % FINES: 80

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-325
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1965+058 O/S 17M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 755
 LAB NO: 2843
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 756
 LAB NO: 2844
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 757
 LAB NO: 2845
 DEPTH: 3.4-3.6
 TYPE: AUGER

FIELD NO: 758
 LAB NO: 2846
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	90

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%) : 33

M.C. (%) : 27

M.C. (%) : 25

M.C. (%) : 81

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 10
 % FINES: 90

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-326
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+925 O/S 20M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 759
 LAB NO: 2847
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 760
 LAB NO: 2848
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 761
 LAB NO: 2849
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	97
0.074	87

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 35

M.C. (%): 26

M.C. (%): 32

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 13
 % FINES: 87

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-327
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+775 O/S 22M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 762
 LAB NO: 2850
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 763
 LAB NO: 2851
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 764
 LAB NO: 2852
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	96

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 468

M.C. (%): 52

M.C. (%): 35

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: 0
 % SAND: 4
 % FINES: 96

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 116-328
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+625 O/S 30M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 765
 LAB NO: 2853
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 766
 LAB NO: 2854
 DEPTH: 2.8-3.0
 TYPE: AUGER

FIELD NO: 767
 LAB NO: 2855
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	98
0.074	88

M.C. (%): 47

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 12
 % FINES: 88

CLASSIFICATION: SILT (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 66

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 35

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 117-329
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+458 O/S 31M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 768
 LAB NO: 2856
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 769
 LAB NO: 2857
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 770
 LAB NO: 2858
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	100
0.297	--
0.177	--
0.149	99
0.074	92

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 80

M.C. (%): 37

M.C. (%): 56

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: 0
 % SAND: 8
 % FINES: 92

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 117-330
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+300 O/S 37M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 771
 LAB NO: 2859
 DEPTH: 2.6-2.8
 TYPE: AUGER
 ORGANIC

FIELD NO: 772
 LAB NO: 2860
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	95
0.074	81

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 47

M.C. (%): 76

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 19
 % FINES: 81

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT WITH SAND
 (ML)

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 117-331
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+135 O/S 20M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 773
 LAB NO: 2861
 DEPTH: 1.2-1.4
 TYPE: AUGER
 ORGANIC

FIELD NO: 774
 LAB NO: 2862
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 775
 LAB NO: 2863
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	97
0.297	--
0.177	--
0.149	93
0.074	86

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 93

M.C. (%): 26

M.C. (%): 33

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 14
 % FINES: 86

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 117-332
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1964+000 O/S 20M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 776
 LAB NO: 2864
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 777
 LAB NO: 2865
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 778
 LAB NO: 2866
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	100
2.38	--
2.00	100
1.19	--
0.841	99
0.595	--
0.42	98
0.297	--
0.177	--
0.149	95
0.074	71

M.C. (%): 24

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: N.P.

% GRAVEL: 0
 % SAND: 29
 % FINES: 71

CLASSIFICATION:
 SILT WITH SAND
 (ML)

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 24

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

SIEVE SIZE	PERCENT PASSING
------------	-----------------

101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 30

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:

PROJECT NUMBER: SEGMENT 18 HOLE NUMBER: 117-333
 CLIENT: SHAKWAK PROJECT
 PROJECT NAME: ALASKA HIGHWAY RECONSTRUCTION
 PROJECT LOCATION: BEAVER CREEK
 DRILL UNIT: 17-174
 HOLE LOCATION: 1963+840 O/S 21M RT.
 LOGGED BY: JG DATE COMPLETED: 90.10.30

FIELD NO: 779
 LAB NO: 2867
 DEPTH: 1.2-1.4
 TYPE: AUGER

FIELD NO: 780
 LAB NO: 2868
 DEPTH: 2.6-2.8
 TYPE: AUGER

FIELD NO: 781
 LAB NO: 2869
 DEPTH: 4.2-4.4
 TYPE: AUGER

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	100
1.19	--
0.841	100
0.595	--
0.42	99
0.297	--
0.177	--
0.149	99
0.074	94

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

SIEVE SIZE	PERCENT PASSING
101.6	--
76.2	--
50.8	--
38.1	--
25.4	--
19.0	--
12.7	--
9.5	--
4.76	--
2.38	--
2.00	--
1.19	--
0.841	--
0.595	--
0.42	--
0.297	--
0.177	--
0.149	--
0.074	--

M.C. (%): 49

M.C. (%): 28

M.C. (%): 28

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: TRACE

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

LIMITS
 LIQUID: --
 PLASTIC: --
 P.I.: --

% GRAVEL: 0
 % SAND: 6
 % FINES: 94

% GRAVEL: --
 % SAND: --
 % FINES: --

% GRAVEL: --
 % SAND: --
 % FINES: --

CLASSIFICATION:
 SILT (ML)

CLASSIFICATION:

CLASSIFICATION: