

Site No. DWT-01
TERRAIN SYMBOL zgb-FG+
ADD Poly:
Inspection GROUND/VISUAL
Polygon Number
Location 0.4 km on Carmi Rd past farm 30.3 km past Glenora LFSR turn off
GPS Location No. of Sats.
UTM 318681.3 N
5482758.5 E
Latitude 49° 28' 22" N
Longitude 119° 30' 16" W
Elevation 1070 m
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DWT #1-1, 2

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY
Slope 25, 26 % Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave/convex/benched/uniform/irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >500 m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump / earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

ADD Polygon to photo
includes poorly developed beds of cobbles in massive sandy silt matrix

Site No. DWT-02
TERRAIN SYMBOL zr-Mv
Rh
Inspection GROUND/VISUAL
Polygon Number
Location 100m down road 0.4 km on Carmi Rd
GPS Location No. of Sats.
UTM 318681.3 N
5482758.5 E
Latitude 49° 28' 22" N
Longitude 119° 30' 16" W
Elevation 1080 m
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DWT #1-3

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY
Slope 21 % Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave/convex/benched/uniform/irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >500 m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump / earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

minor sub angular boulders

Site No. DWT 031

TERRAIN SYMBOL 2r Mw/Cv

Inspection GROUND/VISUAL

Polygon Number

Location below rd @ 0.4
up Carmi Rd. @ ~220°
from 0.4 km on Carmi Rd.

GPS Location No. of Sats. 4

UTM N

Latitude N

Longitude W

Elevation 1050 (m)

Flight Line L5 Photo No. 4-5

Photo (Roll/No.) DWT #1-4

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS

LANDSLIDE SEDIMENT POTENTIAL

SURFACE EROSION POTENTIAL

SEDIMENT DELIVERY POTENTIAL

SLOPE MORPHOLOGY

Slope 26-30 % / Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 7500 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP

Indicators seepage / sag ponds / damp spots

Indicator Plants pockets of moose wch veg.

Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Site No. DWT 041

TERRAIN SYMBOL R_s - R_b V

Inspection GROUND/VISUAL

Polygon Number

Location S. side of Ellis Cr.
canyon @ ~220° from
0.4 km on Carmi Rd.

GPS Location No. of Sats. 4

UTM N

Latitude N

Longitude W

Elevation ~ (m)

Flight Line L5 Photo No. 4-5

Photo (Roll/No.) DWT #1-5, 6

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS

LANDSLIDE SEDIMENT POTENTIAL

SURFACE EROSION POTENTIAL

SEDIMENT DELIVERY POTENTIAL

SLOPE MORPHOLOGY

Slope 100-200 % / Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 50-100 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP

Indicators seepage / sag ponds / damp spots

Indicator Plants barren

Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Site No. DWT-051
TERRAIN SYMBOL Rh / ~~Er~~ MV - V
(pass ridged)
Inspection GROUND / VISUAL
Polygon Number
Location S. slope above Ellis Cr. Canyon
@ ~220° from 0.4 km on Carmi Rd
GPS Location
No. of Sats. _____
UTM _____ N _____ E _____
Latitude _____ N
Longitude _____ W
Elevation _____ m / l
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DWT #1 - 5, 6

SLOPE STABILITY CLASS		<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>M</u>
SEDIMENT DELIVERY POTENTIAL		<u>h</u>

SLOPE MORPHOLOGY
Slope 50-70 > 70% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform (irreg)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel
Distance to Stream > 20 m

SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N) Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS minor rock fall pass

Site No. DWT-06
TERRAIN SYMBOL sqb Faw / Fgb - IE
Inspection GROUND / VISUAL
Polygon Number
Location @ N. Fork Ellis Cr.
@ km on Carmi Rd
GPS Location
No. of Sats. _____
UTM _____ N _____ E _____
Latitude 49° 29.412 N
Longitude 119° 25.970 W
Elevation 1225 (m) /
Flight Line L5 Photo No. 8-9
Photo (Roll/No.) DWT #1 - 7

SLOPE STABILITY CLASS		<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>3</u>
SURFACE EROSION POTENTIAL		<u>H</u>
SEDIMENT DELIVERY POTENTIAL		<u>vh</u>

SLOPE MORPHOLOGY
Slope 10-40-55% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-30 m

SOIL DRAINAGE
Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N) Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS Stream channel width: Active 5m, Total ~30-40m.

Site No. DWT-71
TERRAIN SYMBOL sqb Fgt - E
Inspection GROUND VISUAL
Polygon Number _____
Location 6.9 km on Caribou Rd
@ N. Fork Ellis Cr.
GPS Location No. of Sats. _____
UTM _____ N _____ E _____
Latitude _____ N _____
Longitude _____ W _____
Elevation 1285 m/l
Flight Line L5 Photo No. B-9
Photo (Roll/No.) DWT #1-8

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY
Slope 0-10.50% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 20-50m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

v. loose coarse sand.

Site No. DWT-72
TERRAIN SYMBOL zs KLV
Mw
Inspection GROUND VISUAL
Polygon Number _____
Location @ N. Fork Ellis Cr.
@ 6.7 km on Caribou Rd
- N bank of Cr.
GPS Location No. of Sats. _____
UTM _____ N _____ E _____
Latitude _____ N _____
Longitude _____ W _____
Elevation 1255 (m/l)
Flight Line L5 Photo No. B-9
Photo (Roll/No.) DWT

SLOPE STABILITY CLASS	<u>III IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY
Slope >70% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 20-50m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-09
TERRAIN SYMBOL SIFG - V
L.G.

Inspection GROUND / VISUAL

Polygon Number

Location 6.6km up Carra Rd

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1260 (m)

Flight Line L5 Photo No. B-9

Photo (Roll/No.) DWT #1-9, 10

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees Y/N Windthrow Y/N

COMMENTS

note weak bedding
note surface water gullies
surface water gullies from road above

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>m-h.</u>

SLOPE MORPHOLOGY

Slope % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 10-30m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

Site No.
TERRAIN SYMBOL

Inspection GROUND / VISUAL

Polygon Number

Location

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation m / f

Flight Line Photo No.

Photo (Roll/No.)

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS	
LANDSLIDE SEDIMENT POTENTIAL	
SURFACE EROSION POTENTIAL	
SEDIMENT DELIVERY POTENTIAL	

SLOPE MORPHOLOGY

Slope % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Quantity	Unit	Description
1	100	100

Raised
Beach?

- cut slopes easily ravel

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>L</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

TERRAIN SYMBOL

Polygon Number

Location

GPS Location

No. of Sats.

UTM 5483879 N

51319743 E

Latitude N

Longitude W

Elevation

Flight Line

Photo No.

Photo (Roll/No.)

Profile

Depth (m)

Texture

Origin

(soil, lacustrine, morainal, fluvial, glaciofluvial, colluvial, etc.)

Sand %

Silt %

Clay %

Coarse Frag. %

Gravel (Y/N)

Angular

Sub-angular

Sub-round

Round

0m

2

4

6

9.0

4.9

4.1

SLOPE MORPHOLOGY

Slope

10-20 % / Degrees

Aspect

N / NE / E / SE / S / SW / W NW

Shape

concave / convex benched / uniform / irregular

Length

<20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream

Y / N

Stream Class

active / ephemeral / buried channel

Distance to stream

m

SOIL DRAINAGE

Drainage Class

R / W / M / I / P / VP

Indicators

seepage / sag ponds / damp spots

Depth of mottles m

Depth of gleying m

Indicator Plants

SURFICIAL MATERIALS

Stratified

Y / N

(thickness, massive, laminated, bedded, regularity, variability, continuity, permeability, competency, etc.)

1st Layer

2nd Layer

3rd Layer

GEOMORPHOLOGICAL PROCESSES

Active

Y / N

% Active

Initiation Zone / Run-out Zone

Type

Gullying / F Active / Inactive

Slow Mass Movement / Fast Mass Movement

Gullies

Y / N

<1/100m / 1/100m - 1/30m / >1/30m

Termination Point

fan / stream /

Indicators

Jackstrawed Trees

Y / N

Split Trees

Y / N

Windthrow

Y / N

Leaning Trees

Y / N

Dip-slope Bedrock

Y / N

J-Trees

Y / N

Lateral Spread

Y / N

Tension Crack

Y / N

Landslide Evidence

Y / N

<5yr / 5-20yr / 20-100yr / >100yr

Landslide Type

rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Dimension

Length m Width m

Depth m Volume m³

Tension Cracks

In Roadbed / In Overburden

COMMENTS

site taken in road cut just inside study area wh

Site No. DWT-12
TERRAIN SYMBOL Rm/Mv
Rm

Inspection GROUND / VISUAL
Polygon Number New Poly
Location Stewart FSR @ 1.6 km
(@ 3.3 km from E.O.R.)

GPS Location No. of Sats.
UTM 54 84 567 N
310 785 E
Latitude N
Longitude W

Elevation m / l

Flight Line L4 Photo No. 4-5

Photo (Roll/No.) DWT #2 - 20, 21

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees (Y) / N Jackstrawed Trees (Y) / N

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>I</u>

SLOPE MORPHOLOGY

Slope 140-20-25% / Degrees 8°
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg / ribbed
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream >500 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / V / P
Indicators seepage / sag ponds / damp spots
Indicator Plants moist o/c

o/c %: 50%
Ridge orientation

COMMENTS

7.0%: ~50% ; tree holes irregular, crooked; ridges approx. 100m. long.

(Same poly. as DWT-12)

Site No. DWT-13
TERRAIN SYMBOL Rm/Mv
Rm

Inspection GROUND / VISUAL
Polygon Number New Poly
Location Stewart FSR @ 0.5 km
from E.O.R. is 3.0
E.O.R. same as photo

GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W

Elevation m / l

Flight Line L4 Photo No. 4-5

Photo (Roll/No.) DWT #1 - 22

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>I</u>

SLOPE MORPHOLOGY

Slope 19, 30% / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg / ribbed
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream 7000 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / V / P
Indicators seepage / sag ponds / damp spots
Indicator Plants moist o/c

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees (Y) / N Jackstrawed Trees (Y) / N

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

End of Stewart FSR @ 4.9 km on rd. to E.O.R. 3.85 km on rd. in photo.
Photo:

E.O.R. is at poly 144. 1mm
115,000m (1cm = 50m)

Site No. <u>DWT-14</u>	SLOPE STABILITY CLASS <u>II</u>
TERRAIN SYMBOL <u>Mu</u>	LANDSLIDE SEDIMENT POTENTIAL <u>1</u>
<u>Rm</u>	SURFACE EROSION POTENTIAL <u>L</u>
Inspection <u>GROUND / VISUAL</u>	SEDIMENT DELIVERY POTENTIAL <u>C</u>

Photo DWT #4
- pot. sed. source
undercrossing.

Polygon Number <u>77 (Red Change)</u>	SLOPE MORPHOLOGY
Location <u>Stewart FSR @ 1.2 km from EOR; 1.3 km from Stewart N. FSR turn off.</u>	Slope <u>12 (7°) Degrees</u>
GPS Location	Aspect <u>N/NE/E/SE/S/SW/W/NW</u>
No. of Sats. <u>4</u>	Shape <u>concave / convex / benched / uniform / irreg. <u>irreg.</u></u>
UTM <u>5485416</u> N	Length <u><20m / 20 - 50m / 50 - 100m / <u>>100m</u></u>
<u>319609</u> E	Adjacent to Stream <u>Y/N</u>
Latitude <u>N</u>	Stream Class <u>active / ephemeral / buried channel</u>
Longitude <u>W</u>	Distance to Stream <u>71000 m</u>

Elevation <u>m/l</u>	SOIL DRAINAGE
Flight Line <u>L4</u>	Drainage Class <u>R/W/M/D/P/VP</u>
Photo (Roll/No.) <u>DWT #3 - 1</u>	Indicators <u>seepage / sag ponds / damp spots</u>
	Indicator Plants <u>mess on g/c.</u>

GEOMORPHOLOGICAL PROCESSES

Active <u>Y/N</u>	Landslide Evidence <u>Y/N 5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone	minor / small / medium / large
Gullies <u>Y/N</u>	Landslide Type <u>rock fall / debris fall / slump /</u>
Tension Cracks <u>Y/N</u>	earthflow / debris flow / bedrock slide
Indicators <u>A-Trees Y/N</u>	Jackstrawed Trees <u>Y/N</u>
Split Trees <u>Y/N</u>	Windthrow <u>Y/N</u>

COMMENTS

Photo DWT #2-23, 24: moving road fill - NO sign. erosion noted.
DWT #2-25? DWT #2-26 @ Stewart FSR @ 1.2 km from EOR (Azim 300°)
Photo DWT #3-2: garbage @ Stewart FSR @ 2.7 km.
Photo DWT #3-3: rock drumlin @ 4.2 km from EOR Stewart FSR.

Site No. <u>DWT-15</u>	SLOPE STABILITY CLASS <u>III</u>
TERRAIN SYMBOL <u>25.2 Mijm - A</u>	LANDSLIDE SEDIMENT POTENTIAL <u>2</u>
Inspection <u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL <u>H</u>
	SEDIMENT DELIVERY POTENTIAL <u>h</u>

Polygon Number	SLOPE MORPHOLOGY
Location <u>top of 44 rd back to Stewart N. Fork Ellis C. (above DWT-14, 15, 16).</u>	Slope <u>15-20 (°) Degrees</u>
GPS Location	Aspect <u>N/NE/E/SE/S/SW/W/NW</u>
No. of Sats. <u>4</u>	Shape <u>concave / convex / benched / <u>uniform</u> / irreg.</u>
UTM <u>5483414</u> N	Length <u><20m / 20 - 50m / 50 - 100m / <u>>100m</u></u>
<u>323444</u> E	Adjacent to Stream <u>Y/N</u>
Latitude <u>N</u>	Stream Class <u>active / ephemeral / buried channel</u>
Longitude <u>W</u>	Distance to Stream <u>300 m</u>
Elevation <u>1347. (m/l)</u>	SOIL DRAINAGE
Flight Line <u>L4</u>	Drainage Class <u>R/W/M/D/P/VP</u>
Photo (Roll/No.) <u>DWT #3-5, 6, 7</u>	Indicators <u>seepage / sag ponds / damp spots</u>
	Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active <u>Y/N</u>	Landslide Evidence <u>Y/N 5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone	minor / small / medium / large
Gullies <u>Y/N</u>	Landslide Type <u>rock fall / debris fall / slump /</u>
Tension Cracks <u>Y/N</u>	earthflow / debris flow / bedrock slide
Indicators <u>J-Trees Y/N</u>	Jackstrawed Trees <u>Y/N</u>
Split Trees <u>Y/N</u>	Windthrow <u>Y/N</u>

COMMENTS

road channelled water erosion / minor gullies // coarse Fract. 20%
Photo DWT #3-5: water channel erosion

Site No. DUTT-16
TERRAIN SYMBOL ZS Mb
Inspection GROUND VISUAL
Polygon Number
Location ~100m up 4K4 rd
W. N. Fork Ellis Cr.
(above sites DUTT-8, 7, 9)
GPS Location No. of Sats. 5483070 N
323462 E
Latitude N
Longitude W
Elevation 1295 (m)
Flight Line LS Photo No. B-9
Photo (Roll/No.) DUTT-8, 9
GEOMORPHOLOGICAL PROCESSES
Active Y/N (N)
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N N Jackstrawed Trees Y/N N Split Trees Y/N N Windthrow Y/N N
COMMENTS Time taken in 90% soil, gully erosion follows rd ~250m.
soils v. deep to 0.5m depth.

SLOPE STABILITY CLASS		<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>VH</u>
SEDIMENT DELIVERY POTENTIAL		<u>h</u>

SLOPE MORPHOLOGY
Slope 20 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y)N
Stream Class active / ephemeral / buried channel
Distance to Stream 150 m
SOIL DRAINAGE
Drainage Class R / W / M / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Site No. DUTT-17
TERRAIN SYMBOL SFG+
Inspection GROUND VISUAL
Polygon Number New Palm
Location Carmel Rd @ Ellis (Spillway?)
Creek crossings
GPS Location No. of Sats. 5482405 N
327083 E
Latitude N
Longitude W
Elevation 1310 (m)
Flight Line LS Photo No. 12-13
Photo (Roll/No.) DUTT-3-11, 12, 13, 14-18
GEOMORPHOLOGICAL PROCESSES
Active Y/N (N)
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N N Jackstrawed Trees Y/N N Split Trees Y/N N Windthrow Y/N N
COMMENTS road cut shows signs of small surface flows.
Photo 17: stream bed above SFG cut slope in background.
stream bed 3% (5% grade) steep cut slope >100%
Photo 18: note channel @ hammer, pits in background.

SLOPE STABILITY CLASS		<u>IV (III?)</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>3</u>
SURFACE EROSION POTENTIAL		<u>VH</u>
SEDIMENT DELIVERY POTENTIAL		<u>vh</u>

SLOPE MORPHOLOGY
Slope 0-5, 45 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y)N
Stream Class active / ephemeral / buried channel
Distance to Stream 30 m
SOIL DRAINAGE
Drainage Class R / W / M / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

16/117

Site No. DWT-18
TERRAIN SYMBOL SFA - Iu
Inspection GROUND/VISUAL
Polygon Number
Location N of Carmi Rd.
GPS Location No. of Sats.
UTM 327100 N
5482467 E
Latitude N
Longitude W
Elevation 1305 m
Flight Line 5 Photo No. 12-13
Photo (Roll/No.) DWT #3 - 17

SLOPE STABILITY CLASS	<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>VH</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 5 >100% Degrees
Aspect N NE / E / SE (S) SW (W) NW
Shape concave / convex / benched / uniform / irreg / channel
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R (W) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Stream undercut bank erosion.
Photo #3 - 16 channel below Carmi Rd. (S).

Site No. DWT-19
TERRAIN SYMBOL A
Inspection GROUND/VISUAL
Polygon Number
Location Ellis Cr. Panstock
GPS Location No. of Sats.
UTM 5482768 N
328453 E
Latitude N
Longitude W
Elevation 1345 m
Flight Line Photo No.
Photo (Roll/No.) DWT #3 - 19, 20, 21

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>VH</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 5 >100% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

spillway out N channel.

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>VH</u>
SEDIMENT DELIVERY POTENTIAL	<u>VH</u>

TERRAIN SYMBOL sg FG
SLG

Polygon Number _____

Location Ellis Cr. FSR @ 0.5km
past intersection
FSR

GPS Location No. of Sats. _____
UTM 330133 N
5403981 E
Latitude _____ N
Longitude _____ W

Elevation 1370 m

Flight Line LH Photo No. 12-13

Photo (Roll/No.) DWT #3 25

Profile



Depth (m)	Texture							Origin (soil, lacustrine, moraine, fluvial, glaciofluvial, colluvial, etc.)
	Sand %	Silt %	Clay %	Coarse Frag. %	Gravel (Y/N)	Angular	Sub-angular	
0-7	70	10		20				FG
7+	90	10		0				LG
2								
4								
6								
8								

SLOPE MORPHOLOGY

Slope 0.5, 45% Degrees

Aspect N/NE/E (SE/S/SW) W/NW

Shape concave / convex / benched / uniform / irregular

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to stream 0-30 m (follows saltwater channel)

Drainage Class _____
Indicators _____

R(W) M / I / P / VP
seepage / sag ponds / damp spots
Depth of mottles _____ m
Depth of gleying _____ m

Indicator Plants _____

SURFICIAL MATERIALS

Stratified Y/N (thickness, massive, laminated, bedded, regularity, variability, continuity, permeability, competency, etc.)

1st Layer FG weak bedding / well bedded

2nd Layer LG bedded

3rd Layer _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) % Active _____

Initiation Zone / Run-out Zone _____

Type Gully / F Active / Inactive _____

Slow Mass Movement / Fast Mass Movement _____

Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m

Termination Point fan / stream /

Indicators Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N Leaning Trees Y / N
Dip-slope Bedrock Y / N J-Trees Y / N Lateral Spread Y / N Tension Crack Y / N

Landslide Evidence Y(N)
<5yr / 5-20yr / 20-100yr / >100yr
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide
Dimension Length _____ m Width _____ m
Depth _____ m Volume _____ m³
Tension Cracks In Roadbed / In Overburden

COMMENTS

material ravel v. easily in roadcut
erodes easily

Site No. DWT-2-1
TERRAIN SYMBOL sz Op
Inspection GROUND/VISUAL
Polygon Number
Location Ellis Cr. FSR @ 0.4 km
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation 1365 @ 1
Flight Line L4 Photo No. 12-13
Photo (Roll/No.) DWT #4-4

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 0-5 Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R/W/M/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants marsh grass

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

BOG

Site No. DWT-2-2
TERRAIN SYMBOL Mb
Inspection GROUND/VISUAL
Polygon Number 107
Location Ellis Cr. FSR @ 0.3 km
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation 1365 @ 1
Flight Line L4 Photo No. 12-13
Photo (Roll/No.) DWT #4-5

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L-m</u>

SLOPE MORPHOLOGY

Slope 0-15 Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >30 m

SOIL DRAINAGE

Drainage Class R/W/M/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

hummock in 1st pass remarked M

Site No. DWT-23

TERRAIN SYMBOL Sq Lgt - EV
Mh

Inspection GROUND VISUAL

Polygon Number

Location @ 2.1 km from
red junction v.p.
Ellis Cr. FSR

GPS Location No. of Sats. 5

UTM 5485114 N
329178 E

Latitude N
Longitude W

Elevation 1405 (m)

Flight Line L4 Photo No. 12-13

Photo (Roll/No.) DWT #4 - 6, 7, 8

SLOPE STABILITY CLASS		<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>L</u>
SURFACE EROSION POTENTIAL		<u>M</u>
SEDIMENT DELIVERY POTENTIAL		<u>L</u>

SLOPE MORPHOLOGY

Slope 15-25 % / Degrees

Aspect N / NE (E / SE / S / SW / W) NW

Shape concave / convex / benched / uniform (irreg)

Length <20m / 20 - 50m / 50 - 100m / 100m

Adjacent to Stream Y (N)

Stream Class active / ephemeral / buried channel

Distance to Stream >300 m

SOIL DRAINAGE

Drainage Class R (W / M / I / P / VP)

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Initiation Zone / Run-out Zone

Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y / N In Roadbed / In Overburden

Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-24

TERRAIN SYMBOL Rs / Cu - R

Inspection GROUND VISUAL

Polygon Number

Location Lower Ellis Canyon
N. side. View from
Lookout.

GPS Location No. of Sats. 5

UTM N
E

Latitude N
Longitude W

Elevation m / f

Flight Line L5 Photo No. 4-5 (Lost)

Photo (Roll/No.) DWT #4 - 9 - 23

SLOPE STABILITY CLASS		<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>M</u>
SEDIMENT DELIVERY POTENTIAL		<u>vh.</u>

SLOPE MORPHOLOGY

Slope 770 % / Degrees

Aspect N / NE / E / SE / S / SW (W) NW

Shape concave / convex / benched / uniform (irreg)

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y (N)

Stream Class active / ephemeral / buried channel

Distance to Stream 50 m (leads to Ellis Cr.)

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Initiation Zone / Run-out Zone

Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y / N In Roadbed / In Overburden

Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No.	<u>DWT-25</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>MW</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>I</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>I</u>
Location	<u>0.5km up Zalar road</u> <u>@ 3km on Cami Rd</u> <u>(turnoff at switchback)</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>10-20</u> (%) Degrees	
UTM	<u>5482069</u> N	Aspect	<u>N/NE/E/SE/SW/W/NW</u>	
Latitude	<u>324154</u> E	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude		Length	<u>20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>14</u> m / l	Adjacent to Stream	<u>Y(N)</u>	
Flight Line	<u>L5</u> Photo No. <u>10-11</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>DWT #5-1, 4-9</u>	Distance to Stream	<u>7500 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y(N)</u>	Drainage Class	<u>R(W/M) / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants		
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y(N) <5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees</u> <u>Y/N</u> <u>Jackstrawed Trees</u> <u>Y/N</u> <u>Split Trees</u> <u>Y/N</u> <u>Windthrow</u> <u>Y/N</u>	Landslide Type	<u>rock fall / debris fall / slump /</u> <u>earthflow / debris flow / bedrock slide</u>	
COMMENTS <u>road cuts observed on road bed</u> <u>35cm soil development in tan brown sandy loam (exposed section ~35m long, gravel 2)</u>				

Site No.	<u>DWT-26</u>	SLOPE STABILITY CLASS		<u>III</u>
TERRAIN SYMBOL	<u>Mk</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>L</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>~200m along Azim 150° (SE)</u> <u>from Km 8 on Cami Rd</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>20-30, 46</u> (%) Degrees	
UTM	<u>0324053</u> N	Aspect	<u>N/NE/E/SE/SW/W/NW</u>	
Latitude	<u>5481505</u> E	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude		Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1240</u> (m) / l	Adjacent to Stream	<u>Y(N)</u>	
Flight Line	<u>L5</u> Photo No. <u>10-11</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>DWT #5-10-14</u>	Distance to Stream	<u>>225 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y(N)</u>	Drainage Class	<u>R(W/M) / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants		
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y(N) <5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees</u> <u>Y/N</u> <u>Jackstrawed Trees</u> <u>Y/N</u> <u>Split Trees</u> <u>Y/N</u> <u>Windthrow</u> <u>Y/N</u>	Landslide Type	<u>rock fall / debris fall / slump /</u> <u>earthflow / debris flow / bedrock slide</u>	
COMMENTS <u>could cable log</u>				

Site No.	<u>DWT-26</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>Mv ? (Min-?)</u> <u>Rv</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
Inspection	<u>GROUND/VISUAL</u>	SURFACE EROSION POTENTIAL		<u>m</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>m</u>
Location	<u>above (26)</u>	SLOPE MORPHOLOGY		
		Slope	<u>20 (%) Degrees</u> ← ? check photo.	
		Aspect	<u>N/NE/E/SE (S) SW/W/NW</u>	
		Shape	<u>concave / convex / benched / uniform / irreg</u>	
GPS Location	No. of Sats.	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
	UTM	Adjacent to Stream	<u>Y/N</u>	
		Stream Class	<u>active / ephemeral / buried channel</u>	
	Latitude	Distance to Stream	<u>100-400 m</u>	
	Longitude	SOIL DRAINAGE		
Elevation	m / f	Drainage Class	<u>R/W/M/I/P/VP</u>	
Flight Line	<u>L5</u> Photo No. <u>10-11</u>	Indicators	<u>seepage / sag ponds / damp spots</u>	
Photo (Roll/No.)		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No.	<u>DWT-28</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>/Mb - R'eb</u> <u>FG</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>3</u>
Inspection	<u>GROUND/VISUAL</u>	SURFACE EROSION POTENTIAL		<u>VH</u>
Polygon Number	<u>N bank of Ellis</u>	SEDIMENT DELIVERY POTENTIAL		<u>vh</u>
Location	<u>On</u>	SLOPE MORPHOLOGY		
		Slope	<u>>100 (%) Degrees</u>	
		Aspect	<u>N/NE/E/SE (S) SW/W/NW</u>	
		Shape	<u>concave / convex / benched / uniform / irreg</u>	
GPS Location	No. of Sats.	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
	UTM	Adjacent to Stream	<u>Y/N</u>	
		Stream Class	<u>active / ephemeral / buried channel</u>	
	Latitude	Distance to Stream	<u>20 m</u>	
	Longitude	SOIL DRAINAGE		
Elevation	m / f	Drainage Class	<u>R/W/M/I/P/VP</u>	
Flight Line	<u>L5</u> Photo No. <u>10-11</u>	Indicators	<u>seepage / sag ponds / damp spots</u>	
Photo (Roll/No.)	<u>DWT #5-15-EOR</u>	Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large overall
Gullies Y / N Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No. DUST-297
TERRAIN SYMBOL FA/EG-B

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>4</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh.</u>

Inspection GROUND / VISUAL

SLOPE MORPHOLOGY

Polygon Number

Slope 7 % Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m

Location Tn Ellis Cr.

Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel

crossed road ~ 460m

Distance to Stream 0 m

E of junction w S. Ellis Cr.

GPS Location No. of Sats.

SOIL DRAINAGE

UTM 0324085 NE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots

5481259 EN

Indicator Plants

Latitude N

Longitude W

Elevation 1165 (m)

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) Dust #6-4-6

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Channel Orient'n 260°-280°

Planted along trees to ~ Dust #6-15

Aug 12/00

Site No. DUST-30
TERRAIN SYMBOL BFG-B

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

Inspection GROUND / VISUAL

SLOPE MORPHOLOGY

Polygon Number

Slope 14 % Degrees (8°)
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m

Location Off Highway FR

Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel

from Junction @ 2.55km

Distance to Stream 0 m

to N ~ 300m; Zunday Rd.

GPS Location No. of Sats.

SOIL DRAINAGE

UTM 5485635 N

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots

0319276 E

Indicator Plants

Latitude N

Longitude W

Elevation 1123 (m)

Flight Line L3 Photo No. 4-5

Photo (Roll/No.) Dust #6-163-26

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Channel Orient'n 080°-260°

Buried channel ephemeral channel - minimal fine sed.
except below road

Site No. DWT-31

TERRAIN SYMBOL gaFa - B

Inspection GROUND / VISUAL

Polygon Number

Location 0.5 km above Bng Rd from Stewart FSR
N stem of creek

GPS Location No. of Sats. 4

UTM 5485923 N
319630 E

Latitude N

Longitude W

Elevation 1106 m

Flight Line L3 Photo No. 4-5

Photo (Roll/No.) DWT-7-5

GEOMORPHOLOGICAL PROCESSES DWT-7-6, 7 Photo of M.b. material adjacent to stream.

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS Moraine channel sides to slope 35% (20°)
Channel oriented 085-260°

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 7, 35% Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg / channel

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Channel walls 35% (M)

Note: v. low fine fraction.

Site No. DWT-32

TERRAIN SYMBOL Nb (?)

Inspection GROUND / VISUAL

Polygon Number

Location South of DWT-31

GPS Location No. of Sats. 4

UTM N

E

Latitude N

Longitude W

Elevation 1190 m

Flight Line L3 Photo No. 4-5

Photo (Roll/No.) DWT-617

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 26-30% Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 20-100m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Site No. DWT-331
TERRAIN SYMBOL sa Fgt
MW
Inspection GROUND / VISUAL
Polygon Number Rm
Location ~100m N on
N. Steward Cr. FSR
past N Fork of Steward Cr.
GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1230 (m)
Flight Line L3 Photo No. 4-5
Photo (Roll/No.) DWT #7-8, 9

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 11.17% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 40 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

Coarse fraction
0.2cm - 1.0cm
~20%
Fine Fraction
0.1 - 0.2cm ~90%

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

FG terrace adjacent to ephemeral stream channel (N. channel)

Site No. DWT-341
TERRAIN SYMBOL FAW/ICv
Mb - Iu
Inspection GROUND / VISUAL
Polygon Number
Location N. Steward FSR @
N. Fork Steward Cr.
GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1215 (m)
Flight Line L3 Photo No. 4-5
Photo (Roll/No.) DWT #7-8, 10, 11

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>h</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 9.17% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg / channel
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-20 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Photo #7-11 note road N of creek streamlining surface and runoff into water bar. (water bar ~25m up road requires)

Site No. DWT-35
TERRAIN SYMBOL Mv
Rm
Inspection GROUND / VISUAL

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

Polygon Number

SLOPE MORPHOLOGY

Location ~150m N of Steward Cr. on N Steward Cr. Rd.

Slope 23 (2) % Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats.

Adjacent to Stream (Y) N

UTM N

Stream Class

E

active / ephemeral / buried channel

Latitude N

Distance to Stream

Longitude W

50-200m

SOIL DRAINAGE

Elevation 1245 (m)

Drainage Class

Flight Line L3 Photo No. 4-5

R / W / M / I / P / VP

Photo (Roll/No.) DWT #7-11, 12

Indicators

seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone

Landslide Evidence

Y / N 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks Y / N In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y / N

Jackstrawed Trees Y / N

Split Trees Y / N

Windthrow Y / N

COMMENTS

bedrock 40-60%
olomsten 0.8km (from turn off Steward Rd)

Site No. DWT-36
TERRAIN SYMBOL Mw
Rh
Inspection GROUND / VISUAL

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

Polygon Number

SLOPE MORPHOLOGY

Location at switchback in N Steward FSR @ 1.3 km

Slope 15-25/35 % Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irregi / ridges
Length <20m / 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats. 0319890

Adjacent to Stream Y / N

UTM 5486368 N

Stream Class

E

active / ephemeral / buried channel

Latitude N

Distance to Stream

Longitude W

>300 m

SOIL DRAINAGE

Elevation 1255 (m)

Drainage Class

Flight Line L3 Photo No. 4-5

R / W / M / I / P / VP

Photo (Roll/No.) DWT #7-13, 14

Indicators

seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone

Landslide Evidence

Y / N 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks Y / N In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y / N

Jackstrawed Trees Y / N

Split Trees Y / N

Windthrow Y / N

COMMENTS

Photo DWT #7-15: access to Bag Rd from Steward FSR @ 1.7 km

v. minor rock fall

Site No.	<u>DWT-37</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>1Mx/Lx</u> <u>Rh</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
Inspection	<u>GROUND</u> VISUAL	SURFACE EROSION POTENTIAL		<u>1</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>1</u>
Location	<u>350m NE on</u> <u>NW Bn Rd from N Shewan Rd</u> <u>(to Fork to N)</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>17.30</u> Degrees	
UTM	<u>5486991</u>	Aspect	<u>N/NE/E/SE/S/SW/W/NW</u>	
	<u>0320183</u>	Shape	<u>concave / convex / benched / uniform / irreg</u> <u>/v. rolling</u>	
Latitude	<u>N</u>	Length	<u>20m / 20 - 50m / 50 - 100m</u> <u>>100m</u>	
Longitude	<u>W</u>	Adjacent to Stream	<u>Y/N</u>	
Elevation	<u>1345</u> m	Stream Class	<u>active / ephemeral / buried channel</u>	
Flight Line	<u>L-3</u> Photo No. <u>4-5</u>	Distance to Stream	<u>>50m</u>	
Photo (Roll/No.)	<u>DWT #7-16, 17</u>	SOIL DRAINAGE		
		Drainage Class	<u>R/W/M/I/P/VP</u>	
		Indicators	<u>seepage / sag ponds / damp spots</u>	
		Indicator Plants	<u>moss / lichen on rocks</u>	
GEOMORPHOLOGICAL PROCESSES				
Active	<u>Y/N</u>	Landslide Evidence	<u>Y/N</u> 5yr / 5-20yr / 20-100yr / >100yr	
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>	
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m	Landslide Type	<u>rock fall / debris fall / slump /</u>	
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden		<u>earthflow / debris flow / bedrock slide</u>	
Indicators	J-Trees <u>Y/N</u> Jackstrawed Trees <u>Y/N</u> Split Trees <u>Y/N</u>		<u>Windthrow</u> <u>Y/N</u>	
COMMENTS				

Site No.	<u>DWT-38</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>1/5FG</u> <u>Rr</u> <u>-I</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
Inspection	<u>GROUND</u> VISUAL	SURFACE EROSION POTENTIAL		<u>1-M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>1-m</u>
Location	<u>0.9km NW NW Bn Rd</u> <u>from N Shewan Rd</u> <u>in channel</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>11.5</u> Degrees	
UTM	<u>N</u>	Aspect	<u>N/NE/E/SE/S/SW/NW</u>	
	<u>E</u>	Shape	<u>concave / convex / benched / uniform / irreg</u> <u>/channel</u>	
Latitude	<u>N</u>	Length	<u><20m</u> 20 - 50m / 50 - 100m / >100m	
Longitude	<u>W</u>	Adjacent to Stream	<u>Y/N</u>	
Elevation	<u>1325</u> m	Stream Class	<u>active / ephemeral / buried channel</u>	
Flight Line	<u>L3</u> Photo No. <u>4-5</u>	Distance to Stream	<u>0</u> m	
Photo (Roll/No.)	<u>DWT #7-18</u>	SOIL DRAINAGE		
		Drainage Class	<u>R/W/M/I/P/VP</u>	
		Indicators	<u>seepage / sag ponds / damp spots</u>	
		Indicator Plants	<u>Alders</u>	
GEOMORPHOLOGICAL PROCESSES				
Active	<u>Y/N</u>	Landslide Evidence	<u>Y/N</u> 5yr / 5-20yr / 20-100yr / >100yr	
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>	
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m	Landslide Type	<u>rock fall / debris fall / slump /</u>	
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden		<u>earthflow / debris flow / bedrock slide</u>	
Indicators	J-Trees <u>Y/N</u> Jackstrawed Trees <u>Y/N</u> Split Trees <u>Y/N</u>		<u>Windthrow</u> <u>Y/N</u>	
COMMENTS				
<u>buried flow</u>				

Site No. DIST-397
TERRAIN SYMBOL Ma/Cx
Inspection GROUND/VISUAL
Polygon Number
Location 1.1 km NW Bog Rd
from N Steward Rd
GPS Location
No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1385 m
Flight Line L3 Photo No. 45
Photo (Roll/No.) DIST-47

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>2</u>
SEDIMENT DELIVERY POTENTIAL	<u>1</u>

SLOPE MORPHOLOGY

Slope 250 % Degrees
Aspect N/NE/E/SE/S/SW/W NW
Shape concave / convex / benched / uniform / irreg (ridges)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 50 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/V
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DIST-407
TERRAIN SYMBOL IFG I
Inspection GROUND/VISUAL
Polygon Number
Location @ 1.2 km NW Bog Rd
from N Steward Rd
GPS Location
No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1385 m
Flight Line L3 Photo No. 4-5
Photo (Roll/No.) DIST-47

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 20/30 % Degrees
Aspect N/NE/E/SE/S/SW/W NW
Shape concave / convex / benched / uniform / irreg (channel)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-10 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/V
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-41
TERRAIN SYMBOL 20 Mv 30 Rm
Inspection GROUND VISUAL
Polygon Number
Location 1.6 km on Brg Rd
past N Skewered FSR
GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1375 m
Flight Line L3 Photo No. 4-5
Photo (Roll/No.) DWT #7-19

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

3.3
1.7
6

SLOPE MORPHOLOGY

Slope 0-10 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg rolling
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 100 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-42
TERRAIN SYMBOL 100v 30 FG 50 Mw 10 Rm
Inspection GROUND VISUAL
Polygon Number
Location 1.9 km on Brg Rd
past N Skewered FSR
GPS Location No. of Sats.
UTM 5486547 N
0327182 E
Latitude N
Longitude W
Elevation 1375 m
Flight Line L3 Photo No. 4-5
Photo (Roll/No.) DWT #7-20, 21

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 0-5.25 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg channel
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-20m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants alders

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

surface runoff causing minor channels in road section
of road; water bars required 25m E. 50 m heading E of
channel

Site No.	<u>DWT-43</u>	SLOPE STABILITY CLASS	<u>T</u>
TERRAIN SYMBOL	<u>Mw</u> <u>Rm</u>	LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
Inspection	<u>GROUND VISUAL</u>	SURFACE EROSION POTENTIAL	<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY	
Location	<u>2.0 km NW Bca Rd</u> <u>from N Steward Rd</u>
Slope	<u>0-5</u> (%) Degrees
Aspect	<u>N / NE / E / SE / S (SW) W / NW</u>
Shape	<u>concave / convex / benched / uniform (irreg)</u>
Length	<u><20m / 20 - 50m / 50 - 100m (>100m)</u>
Adjacent to Stream	<u>Y (N)</u>
Stream Class	<u>active / ephemeral / buried channel</u>
Distance to Stream	<u>m</u>
SOIL DRAINAGE	
Drainage Class	<u>R (W) / M / I (P) / VP</u>
Indicators	<u>seepage / sag ponds / damp spots</u>
Indicator Plants	<u>standing water in hollows</u>

GPS Location	No. of Sats.
UTM	<u>N</u>
Latitude	<u>N</u>
Longitude	<u>W</u>
Elevation	<u>1395</u> (m)
Flight Line	Photo No.
Photo (Roll/No.)	<u>DWT# 7-12</u>

GEOMORPHOLOGICAL PROCESSES

Active	<u>Y (N)</u>	Landslide Evidence	<u>Y (N) 5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>
Gullies	<u>Y / N</u>	Landslide Type	<u>rock fall / debris fall / slump /</u>
Tension Cracks	<u>Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>
Indicators	<u>J-Trees Y / N</u>	<u>Jackstrawed Trees Y / N</u>	<u>Split Trees Y / N</u>
		<u>Windthrow Y / N</u>	

COMMENTS

Site No.	<u>DWT-44</u>	SLOPE STABILITY CLASS	<u>I</u>
TERRAIN SYMBOL	<u>40 FG 40 Mw 100 v 10 Rm</u>	LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
Inspection	<u>GROUND VISUAL</u>	SURFACE EROSION POTENTIAL	<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY	
Location	<u>2.1 km NW Bca Rd</u> <u>from N Steward Rd</u>
Slope	<u>0-10</u> (%) Degrees
Aspect	<u>N / NE / E / SE / S (SW) W / NW</u>
Shape	<u>concave / convex / benched / uniform / irreg</u>
Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>
Adjacent to Stream	<u>Y (N)</u>
Stream Class	<u>active / ephemeral / buried channel</u>
Distance to Stream	<u>0-30m</u>
SOIL DRAINAGE	
Drainage Class	<u>R (W) / M / I (P) / VP</u>
Indicators	<u>seepage / sag ponds / damp spots</u>
Indicator Plants	<u>alder</u>

GPS Location	No. of Sats.
UTM	<u>N</u>
Latitude	<u>N</u>
Longitude	<u>W</u>
Elevation	<u>1395</u> (m)
Flight Line	Photo No.
Photo (Roll/No.)	<u>DWT# 7-23</u>

GEOMORPHOLOGICAL PROCESSES

Active	<u>Y (N)</u>	Landslide Evidence	<u>Y (N) 5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>
Gullies	<u>Y / N</u>	Landslide Type	<u>rock fall / debris fall / slump /</u>
Tension Cracks	<u>Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>
Indicators	<u>J-Trees Y / N</u>	<u>Jackstrawed Trees Y / N</u>	<u>Split Trees Y / N</u>
		<u>Windthrow Y / N</u>	

COMMENTS

Site No.	<u>Dust #45</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>Mv</u> <u>Rm</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>L</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>2.4 km along NW Brg Rd from N Stems and ESR</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>15-20%</u> Degrees	
UTM	N	Aspect	<u>N / NE / E (SE / S / SW) / W / NW</u>	
Latitude	N	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	W	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1415</u> m	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L3</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>Dust #7-24</u>	Distance to Stream	<u>>100 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y / N</u>	Drainage Class	<u>R / W (M) / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u>	Indicator Plants	<u>Alder / poplar</u>	
Tension Cracks	<u>Y / N</u>	Landslide Evidence	<u>Y (N) 5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees</u>	Landslide Type	<u>minor / small / medium / large</u>	
	<u>Y / N</u>		<u>rock fall / debris fall / slump /</u>	
	<u>Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>	
	<u>Y / N</u>		<u>Split Trees</u>	
	<u>Y / N</u>		<u>Windthrow</u>	
COMMENTS				

4.1
1.7
2.4

irreg

Site No.	<u>Dust #46</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>Mm</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>L</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>3.0 km along NW Brg Rd from N Stems and ESR</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>10-20%</u> Degrees	
UTM	N	Aspect	<u>N / NE / E (SE / S / SW) / W / NW</u>	
Latitude	N	Shape	<u>concave / convex / benched / uniform / irreg / ribbed</u>	
Longitude	W	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1410</u> m	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L3</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>none</u>	Distance to Stream	<u>m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y / N</u>	Drainage Class	<u>R / W (M) / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u>	Indicator Plants		
Tension Cracks	<u>Y / N</u>	Landslide Evidence	<u>Y (N) 5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees</u>	Landslide Type	<u>minor / small / medium / large</u>	
	<u>Y / N</u>		<u>rock fall / debris fall / slump /</u>	
	<u>Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>	
	<u>Y / N</u>		<u>Split Trees</u>	
	<u>Y / N</u>		<u>Windthrow</u>	
COMMENTS				

45/46

Site No. DWT-47
TERRAIN SYMBOL Dw/Mm
Inspection GROUND / VISUAL
Polygon Number
Location 3.4 km NW of Bag Rd from N. Steward FSR
GPS Location
No. of Sats. 4
UTM N
Latitude N
Longitude W
Elevation m
Flight Line L3 Photo No. 6-7
Photo (Roll/No.) DWT #7-25 (EOR)

SLOPE STABILITY CLASS		<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>h</u>

SLOPE MORPHOLOGY
Slope 0-5 Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-40 m
SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants poplars

GEOMORPHOLOGICAL PROCESSES
Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS
HIT Bag Rd Main @ 5.3 km.

Site No. DWT-48
TERRAIN SYMBOL Mm
Inspection GROUND / VISUAL
Polygon Number
Location 0.4 km from junction of Bag Rd Main & NW Bag Rd
GPS Location
No. of Sats. 4
UTM N
Latitude N
Longitude W
Elevation 1410 (m)
Flight Line L4 Photo No. 6-7
Photo (Roll/No.) DWT #8-1

SLOPE STABILITY CLASS		<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>L</u>

SLOPE MORPHOLOGY
Slope 0-15 Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg / walling
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m
SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES
Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS
END of traverse 9.0 km from N. Steward FSR

Date Aug 13/00
Surveyor DWT
Sundberg

Site No. DWT-49
TERRAIN SYMBOL sab FGt

Inspection GROUND / VISUAL

Polygon Number

Location Camp area on

Carmi Rd @ 4km @

Carmi Ski Area

GPS Location

No. of Sats.

UTM 54B1675 N

0321127 E

Latitude N

Longitude W

Elevation 1226 m/l

Flight Line L5 Photo No. 6-7

Photo (Roll/No.) DWT #8-3, 4-9, 23-25

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N

In Roadbed / In Overburden

Indicators J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

site on lower bench

upper bench similar, sparse boulders

SLOPE STABILITY CLASS	II
LANDSLIDE SEDIMENT POTENTIAL	2
SURFACE EROSION POTENTIAL	M
SEDIMENT DELIVERY POTENTIAL	m

SLOPE MORPHOLOGY

Slope 0-5 Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream ~450m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

hazelnut

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Y/N

Windthrow Y/N

Coarse Fraction

~30%

Fine Fraction

70%

(>50% coarse 20)

Photos

DWT #9-1, 2

campsite

(fire pit - still hot)

Site No. DWT-50
TERRAIN SYMBOL zgsab FGt - Fc

Inspection GROUND / VISUAL

Polygon Number

Location Camp area on Carmi Rd

~0.9km @ Azim 300°

from confluence of Ellis Cr. & N. Fork Ellis Cr.

GPS Location

No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1210 m/l

Flight Line L5 Photo No. 6-7

Photo (Roll/No.) DWT #8-10, 11, 12, 13

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N

In Roadbed / In Overburden

Indicators J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

photo DWT #8-10; note hammer & slope

Pit #2 coarser, coarser material extends

E across slope ~50m

SLOPE STABILITY CLASS	III - IV
LANDSLIDE SEDIMENT POTENTIAL	2
SURFACE EROSION POTENTIAL	M
SEDIMENT DELIVERY POTENTIAL	m-h

SLOPE MORPHOLOGY

Slope 45-50 Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream <400m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

pine, fir

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Y/N

Windthrow Y/N

See DWT-50

O/C ~ 20%

bench face

Pit #1

Coarse Fraction

30%

Fine Fraction

70%

(>70% silt/finer)

Pit #2

(~4m E of Pit #1)

Coarse fraction

45%

Fine fraction

55%

(50% silt/finer)

Date Aug 13/00
Surveyor DWT
(11:30 am)

sunny, cysty
cool night air

Site No. DWT-51
TERRAIN SYMBOL Sx/Rx-FcV

SLOPE STABILITY CLASS	<u>IV-V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>h</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

Inspection GROUND/VISUAL

Polygon Number

Location below camp

SLOPE MORPHOLOGY

Slope >60° Degrees (35°-75°-90°)

Aspect N/NE/E/SE/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m 20 - 50m / 50 - 100m >100m

Adjacent to Stream Y/N

Stream Class active ephemeral / buried channel

Distance to Stream >250 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP - rock

Indicators seepage / sag ponds / damp spots

Indicator Plants fir pine (3 stems)

GPS Location No. of Sats.

UTM 5481538 N

0321081 E

Latitude N

Longitude W

Elevation 1160 (m)

Flight Line L5 Photo No. 6-7

Photo (Roll/No.) DWT #8 14-20, 21

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees Y/N Windthrow Y/N

COMMENTS

shallow to w/c; of N 20%
gully head wall in M.

Fine Fine grain
60%
(~60% fine sand sil)
Coarse Fract.
(~2mm)
40%

Serious creep.

Site No. DWT-52
TERRAIN SYMBOL Sx/Rx-Fc

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>h</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

Inspection GROUND/VISUAL

Polygon Number

Location ~15m N of

SLOPE MORPHOLOGY

Slope 15-30° Degrees

Aspect N/NE/E/SE/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 300 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP

Indicators seepage / sag ponds / damp spots

Indicator Plants fir pine

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1190 (m)

Flight Line L5 Photo No. 6-7

Photo (Roll/No.) DWT #8-21

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees Y/N Windthrow Y/N

COMMENTS

Coarse Fract.

50%

Fine Fract.

50%

(1-2mm sand ~60%)

Creep.

Site No. DWT-53
TERRAIN SYMBOL Mw
Rr
Inspection GROUND/VISUAL
Polygon Number 145
Location NW end of Corral Ski
area @ Cabin
@ end of Okanagan View loop trail
GPS Location No. of Sats. 4
UTM 5484366 N
0320317 E
Latitude N
Longitude W
Elevation 1400m m/l
Flight Line L4 Photo No. 4-5
Photo (Roll/No.) DWT#9-10-14

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 35-50% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg ridged
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >450 m to Steward Cr to NW.

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants Fir.

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
COMMENTS "Cabin" is partially delapidated by use shelter (never was a cab
rolling Mw above cabin area.

Site No. DWT-54
TERRAIN SYMBOL Mw
Inspection GROUND/VISUAL
Polygon Number 139
Location ~1.1km S of Ski "Cabin"
GPS Location No. of Sats. 4
UTM N
E
Latitude N
Longitude W
Elevation 1380 (m)
Flight Line L4 Photo No. 4-5
Photo (Roll/No.) DWT#9-15-16

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-15% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >450 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants Fir.

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
COMMENTS ↑ taken @ ~2.5km on rd (~300m S of Cabin).
Photo DWT#9-17
@ 1.8km
Fir loop turn
→ See DWT-

@ 14:42

Site No. DWT-55
TERRAIN SYMBOL Mw
Inspection GROUND VISUAL

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>L</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

Polygon Number

SLOPE MORPHOLOGY

Location @ junction of Cami Loop Trail and Fir Loop Trail in Cami Ski area

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >1.2km.

GPS Location
No. of Sats. 4
UTM N
E E
Latitude N
Longitude W

SOIL DRAINAGE

Elevation m / f
Flight Line Photo No.

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants fir, tamarack

Photo (Roll/No.) DWT #9-17, 18, 19

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone Old cabins @ junction of Cami & Squirrel loops
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
earthflow / debris flow / bedrock slide

COMMENTS

Mosses are not dead.

DWT #9-20 @ Tamarack Loop meadow (My 10-10% 4° note o/c 19-21) (23%.

Site No. DWT-56
TERRAIN SYMBOL FG
Inspection GROUND VISUAL

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L-m</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

Polygon Number

SLOPE MORPHOLOGY

Location lower end of Tamarack Loop @ Cami Ski area

Slope 0.45° (% / Degrees)
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >600 m (Ellis Cr.)

GPS Location
No. of Sats. 4
UTM 5492111 N
0320790 E
Latitude N
Longitude W

SOIL DRAINAGE

Elevation 1255 (m)
Flight Line 6-7 Photo No.

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants Tamarack / Fir

Photo (Roll/No.) DWT #9-22

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
earthflow / debris flow / bedrock slide

COMMENTS

DWT #9-23-25 (EOP) N. Fork Ellis channel (touch up road) /

55/56

Site No.	<u>DWT</u>	SLOPE STABILITY CLASS	<u>III</u>
TERRAIN SYMBOL	<u>MW - Fc</u>	LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
Inspection	<u>GROUND/VISUAL</u>	SURFACE EROSION POTENTIAL	<u>m</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL	<u>L</u>
Location	<u>above Carmar Rd.</u>	SLOPE MORPHOLOGY	
GPS Location	<u>@ Ellis Canyon Rd.</u>	Slope	<u>40-45 (%) / Degrees</u>
No. of Sats.		Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>
UTM	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>
Latitude	<u>N</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>
Longitude	<u>W</u>	Adjacent to Stream	<u>Y / N</u>
Elevation	<u>m /</u>	Stream Class	<u>active / ephemeral / buried channel</u>
Flight Line	<u>L5</u>	Distance to Stream	<u>600 m (Ellis)</u>
Photo (Roll/No.)	<u>DWT #10-1</u>	SOIL DRAINAGE	
		Drainage Class	<u>R (W) M / I / P / VP</u>
		Indicators	<u>seepage / sag ponds / damp spots</u>
		Indicator Plants	<u>Fin, Pine</u>
GEOMORPHOLOGICAL PROCESSES			
Active	<u>(N)</u>	Landslide Evidence	<u>Y / N <5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>
Gullies	<u>Y / N <1/100m / 1/100m - 1/30m / >1/30m</u>	Landslide Type	<u>rock fall / debris fall / slump / <u>Soil Creep</u></u>
Tension Cracks	<u>Y / N In Roadbed / In Overburden</u>		<u>earthflow / debris flow / bedrock slide</u>
Indicators	<u>J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N</u>		
COMMENTS			

Site No.	<u>DWT-58</u>	SLOPE STABILITY CLASS	<u>II</u>
TERRAIN SYMBOL	<u>Fz LG+</u>	LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
Inspection	<u>GROUND/VISUAL</u>	SURFACE EROSION POTENTIAL	<u>m</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL	<u>6 - m</u>
Location	<u>0.7 km on Ellis Canyon Rd.</u>	SLOPE MORPHOLOGY	
GPS Location		Slope	<u>0-5, 30-35 (%) / Degrees</u>
No. of Sats.		Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>
UTM	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>
Latitude	<u>N</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>
Longitude	<u>W</u>	Adjacent to Stream	<u>Y (N)</u>
Elevation	<u>1240 (m)</u>	Stream Class	<u>active / ephemeral / buried channel</u>
Flight Line	<u>L5</u>	Distance to Stream	<u>>700 m</u>
Photo (Roll/No.)	<u>DWT #10-2-6</u>	SOIL DRAINAGE	
		Drainage Class	<u>R (W) M / I / P / VP</u>
		Indicators	<u>seepage / sag ponds / damp spots</u>
		Indicator Plants	
GEOMORPHOLOGICAL PROCESSES			
Active	<u>(N)</u>	Landslide Evidence	<u>Y / N <5yr / 5-20yr / 20-100yr / >100yr</u>
Initiation Zone / Run-out Zone			<u>minor / small / medium / large</u>
Gullies	<u>Y / N <1/100m / 1/100m - 1/30m / >1/30m</u>	Landslide Type	<u>rock fall / debris fall / slump /</u>
Tension Cracks	<u>Y / N In Roadbed / In Overburden</u>		<u>earthflow / debris flow / bedrock slide</u>
Indicators	<u>J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N</u>		
COMMENTS			

well sorted
silty fine gr. s.s.

Site No. DWT-59
TERRAIN SYMBOL Mt b

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L-M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

Inspection GROUND / VISUAL

Polygon Number

Location 0.8 km on

Ellis Canyon Rd

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1235 m

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) none

SLOPE MORPHOLOGY

Slope 0-70, 30 % / Degrees

Aspect N / NE / E / SE (S) SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel (Ellis)

Distance to Stream 500 m

SOIL DRAINAGE

Drainage Class R (W) / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees Y/N

Windthrow Y/N

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-60
TERRAIN SYMBOL Sa FG #

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L-M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

Inspection GROUND / VISUAL

Polygon Number

Location 0.9 km on

Ellis Canyon Rd

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1230 m

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) none

SLOPE MORPHOLOGY

Slope 0-6, 30 % / Degrees

Aspect N / NE / E / SE (S) SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel (Ellis)

Distance to Stream 100 m

SOIL DRAINAGE

Drainage Class R (W) / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees Y/N

Windthrow Y/N

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-61
TERRAIN SYMBOL b FG - B

Inspection GROUND/VISUAL

Polygon Number

Location @ Ellis Canyon FSR
bridge @ ~1.0km.

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1210 m

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) DWT #10-7

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>Vh</u>

SLOPE MORPHOLOGY

Slope 0-5 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel Ellis
Distance to Stream 5-15 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

debris flow boulders, no lines

Site No. DWT-62
TERRAIN SYMBOL zbs FG - R" f e

Inspection GROUND/VISUAL

Polygon Number

Location @ Ellis Canyon Bridge

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1210 m

Flight Line L5 Photo No. "

Photo (Roll/No.) DWT #10-8-14

SLOPE STABILITY CLASS	<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>S</u>
SURFACE EROSION POTENTIAL	<u>VH</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 270 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel (Ellis)
Distance to Stream 60 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

newworked HIL: j-pose, overridden by ice,
finer material @ W. end of terrace: finer material flows

Site No. DWT-63
TERRAIN SYMBOL Cv - Rfe
FG

Inspection GROUND / VISUAL

Polygon Number

Location @ Ellis Canyon FSR
bridge

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1205 (m)

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) DWT #10-8-14

SLOPE STABILITY CLASS	<u>TV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>VH</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 10-770 Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel Ellis

Distance to Stream 60 m

SOIL DRAINAGE

Drainage Class R/W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-64
TERRAIN SYMBOL bsaFA - I

Inspection GROUND / VISUAL

Polygon Number

Location @ Ellis Canyon FSR
Bridge

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1205 (m)

Flight Line L5 Photo No. 10-11

Photo (Roll/No.) DWT #10-15

SLOPE STABILITY CLASS	<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 0-10 Degrees

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R/W / M / I / P / VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

channel ranges 4-8m wide

Site No. DWT-65
TERRAIN SYMBOL Sag Fgl

SLOPE STABILITY CLASS	<u>III - IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>h</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

Inspection GROUND / VISUAL

Polygon Number

Location

GPS Location

No. of Sats.

UTM

N

Adjacent to Stream

Y/N

Stream Class

active ephemeral / buried channel (Ellis)

Latitude

N

Distance to Stream

10-150 m

Longitude

W

SOIL DRAINAGE

Elevation

1205-1225 (m)

Drainage Class

R/W / M / I / P / VP

Flight Line

L5 Photo No. 10-11

Indicators

seepage / sag ponds / damp spots

Photo (Roll/No.)

DWT# 10-16-19

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active

Y/N In road cuts

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr In road cuts

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies

Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks

Y/N

In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators

J-Trees

Y/N

Jackstrawed Trees

Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

- rock fall & earth flow common in road cuts

- neworked (?) Mt past 1.6km to

Site No. DWT-66
TERRAIN SYMBOL 1/2a Fglw
2a Mt

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

Inspection GROUND / VISUAL

Polygon Number

Location

Ellis Canyon FSR @
1.5km

GPS Location

No. of Sats.

UTM

N

Adjacent to Stream

Y/N

Stream Class

active ephemeral / buried channel Ellis

Latitude

N

Distance to Stream

> 100 m

Longitude

W

SOIL DRAINAGE

Elevation

1210 (m)

Drainage Class

R/W / M / I / P / VP

Flight Line

L5

Photo No. 10-11

Indicators

seepage / sag ponds / damp spots

Photo (Roll/No.)

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active

Y/N

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies

Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks

Y/N

In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators

J-Trees

Y/N

Jackstrawed Trees

Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

- moraine capped locally with neworked
moraine

Site No. DWT-67
TERRAIN SYMBOL ga. FGF
Inspection GROUND VISUAL
Polygon Number
Location Ellis Canyon FSR
@ 1.9 km.
GPS Location
No. of Sats. 4
UTM 548 1182 N
0324253 E
Latitude N
Longitude W
Elevation 1220 (m)
Flight Line L5 Photo No. 10-11
Photo (Roll/No.) DWT#10-21

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY
Slope 0-10 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >50 m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y(N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- small channel / swill

Site No. DWT-68
TERRAIN SYMBOL zaRv
Mk - V
Inspection GROUND VISUAL
Polygon Number
Location Ellis Canyon FSR @
1.9 km
GPS Location
No. of Sats. 4
UTM 548 1192 N
0324253 E
Latitude N
Longitude W
Elevation 1215 (m)
Flight Line L5 Photo No. 10-11
Photo (Roll/No.) DWT#10-20, 22

SLOPE STABILITY CLASS	<u>III-IV</u>
LANDSLIDE SEDIMENT POTENTIAL	
SURFACE EROSION POTENTIAL	
SEDIMENT DELIVERY POTENTIAL	

SLOPE MORPHOLOGY
Slope 60 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream >50 m

SOIL DRAINAGE
Drainage Class R(W)/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-69
TERRAIN SYMBOL zag Rgt
Inspection GROUND/VISUAL
Polygon Number _____
Location ~300 E of confluence of Ellis Cr. & S. Ellis Cr.
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1200 cm
Flight Line L5 Photo No. 89
Photo (Roll/No.) DWT#10-23-25 (EOR)

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 5-10.60 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex benched / uniform / irreg
Length <20m 20-50m 50-100m >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel Ellis/S Ellis.
Distance to Stream >100 m

SOIL DRAINAGE

Drainage Class R/W M I P VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y N Landslide Evidence Y N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y N Jackstrawed Trees Y N Split Trees Y N Windthrow Y N
COMMENTS — prior logging (~1950's) had no negative effect.

Site No. DWT-70
TERRAIN SYMBOL 6 L Gt.
Inspection GROUND/VISUAL
Polygon Number _____
Location ~100m E of confluence of Ellis Cr. & S. Ellis Cr.
GPS Location No. of Sats. 8
UTM 5481113 N
0323779 E
Latitude _____ N
Longitude _____ W
Elevation ~1170 cm
Flight Line L5 Photo No. 8-9
Photo (Roll/No.) DWT#11-2

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 5-10, 57 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel
Distance to Stream 50 m

SOIL DRAINAGE

Drainage Class R W M I P VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y N Landslide Evidence Y N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y N Jackstrawed Trees Y N Split Trees Y N Windthrow Y N
COMMENTS — post logging had no negative effects.
— o/c < 1%

small boulders
terraces
all the way
to creek.
o/c @ creek

Date Aug 13/00
Surveyor DWT

Site No. DWT-71
TERRAIN SYMBOL FG/MV
Rh

Inspection GROUND/VISUAL

Polygon Number

Location

GPS Location

No. of Sats.

UTM

N

Latitude

N

Longitude

W

Elevation

m/l

Flight Line

L5

Photo No.

8-9

Photo (Roll/No.)

L. Hume

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope

30 Degrees

Aspect

N/NE/E/SE/S/SW/W/NW

Shape

concave/convex/benched/uniform/irregi

Length

<20m/20-50m/50-100m/>100m

Adjacent to Stream

Y/N

Stream Class

active ephemeral / buried channel

Distance to Stream

1/00 m

SOIL DRAINAGE

Drainage Class

R/W/M/I/P/VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active

Y/N

Initiation Zone / Run-out Zone

Gullies

Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks

Y/N

In Roadbed / In Overburden

Indicators

J-Trees

Y/N

Jackstrawed Trees

Y/N

Split Trees

Y/N

Windthrow

Y/N

COMMENTS

* DWT #11-3 failed slip on in N bank of Ellis Cr.

Site No. DWT-72
TERRAIN SYMBOL Cr/Mw - VF
Rr

Inspection GROUND/VISUAL

Polygon Number

Location

GPS Location

No. of Sats.

UTM

N

E

Latitude

N

Longitude

W

Elevation

~800

(m/l)

Flight Line

L5

Photo No.

4-5

Photo (Roll/No.)

DWT #11-8-13

SLOPE STABILITY CLASS	<u>III-IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope

55-60/70 Degrees

Aspect

N/NE/E/SE/S/SW/W/NW

Shape

concave/convex/benched/uniform/irregi

Length

<20m/20-50m/50-100m/>100m

Adjacent to Stream

Y/N

Stream Class

active ephemeral / buried channel

Distance to Stream

300 m

SOIL DRAINAGE

Drainage Class

R/W/M/I/P/VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active

Y/N

CREEP

Initiation Zone / Run-out Zone

Gullies

Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks

Y/N

In Roadbed / In Overburden

Indicators

J-Trees

Y/N

Jackstrawed Trees

Y/N

Split Trees

Y/N

Windthrow

Y/N

COMMENTS

area burnt; 40% of trees killed.

Aug 14/00
GPS Δ (3)
5483363N
0317643E
Elev. 891m.

Site No. DWT-73
TERRAIN SYMBOL Mw
Rr

Inspection GROUND/VISUAL

Polygon Number

Location S. Ellis Cr. Canyon

GPS Location

No. of Sats.

UTM

N

Adjacent to Stream

Y N

Stream Class

active / ephemeral / buried channel

Latitude

N

Distance to Stream

200 m

Longitude

W

SOIL DRAINAGE

Drainage Class

R (W/M) / I / VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

Elevation

m / l

Flight Line

L5

Photo No.

4-5

Photo (Roll/No.)

DWT #1-B-13

GEOMORPHOLOGICAL PROCESSES

Active

Y (N)

Landslide Evidence

Y (N) 5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

Gullies

Y (N)

<1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks

Y (N)

In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators

J-Trees

Y (N)

Jackstrawed Trees

Y (N)

Split Trees

Y (N)

Windthrow

Y (N)

COMMENTS

most of trees in fine fill.

Site No. DWT-74
TERRAIN SYMBOL Mw
Rh

Inspection GROUND/VISUAL

Polygon Number

Location S. Ellis Cr. Canyon

GPS Location

No. of Sats.

UTM

N

Adjacent to Stream

Y (N)

Stream Class

active / ephemeral / buried channel

Latitude

N

Distance to Stream

700 m

Longitude

W

SOIL DRAINAGE

Drainage Class

R (W) / M / I / VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

Elevation

890

m / l

Flight Line

L5

Photo No.

4-5

Photo (Roll/No.)

DWT #11-B-13

GEOMORPHOLOGICAL PROCESSES

Active

Y (N)

Landslide Evidence

Y (N) 5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

Gullies

Y (N)

<1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks

Y (N)

In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators

J-Trees

Y (N)

Jackstrawed Trees

Y (N)

Split Trees

Y (N)

Windthrow

Y (N)

COMMENTS

40% b/c

Site No. DWT-75
TERRAIN SYMBOL Mw
Rh
Inspection GROUND/VISUAL
Polygon Number
Location S. d. Ellis Canyon
@ 192° from GPSA #3
in lowland hills
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation ~890 m
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DWT #11-8-13

SLOPE STABILITY CLASS		<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>L</u>

SLOPE MORPHOLOGY
Slope 5-15/25 (%) Degrees check
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform Irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 7650 m
SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-76
TERRAIN SYMBOL Mw
Rh
Inspection GROUND/VISUAL
Polygon Number
Location S. d. Ellis Canyon
@ 190° from GPSA #3
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation m
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DWT #11-8-13

SLOPE STABILITY CLASS		<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>L</u>

SLOPE MORPHOLOGY
Slope 30-35 (%) Degrees check
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform Irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 7700 m
SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DUST-77
TERRAIN SYMBOL Cw - Rb
Inspection GROUND / VISUAL
Polygon Number _____
Location gully S. of Ellis Cr.
@ Azm 230 from GPS #3
~ 800m upstream of penstock
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation _____ m / f
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DUST #11 - B-13

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope >60 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m only ~10-20m wide.
Adjacent to Stream Y N
Stream Class active ephemeral / buried channel
Distance to Stream 0-300 m ends in canyon

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees _____
Landslide Evidence Y N <5yr / 5-20yr / 20-100yr / >100yr
minor small medium / large
Landslide Type rock fall debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y / N

COMMENTS

Site No. DUST-78
TERRAIN SYMBOL Rs - R"b
Inspection GROUND / VISUAL
Polygon Number _____
Location S. cliff in Ellis Cr. canyon
@ Azm 233 from GPS #3
~ 800m upstream from penstock
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation _____ m / f
Flight Line L5 Photo No. 4-5
Photo (Roll/No.) DUST #11 - B-13

SLOPE STABILITY CLASS	<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 200 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel
Distance to Stream 20-150m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees _____
Landslide Evidence Y N <5yr / 5-20yr / 20-100yr / >100yr
minor small medium / large
Landslide Type rock fall debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y / N

COMMENTS

Site No. DWT-79
TERRAIN SYMBOL Mw
Inspection GROUND VISUAL

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

Polygon Number

SLOPE MORPHOLOGY

Location S. of Ellis Canyon; bench above
cliffs @ DWT-78

Slope 20-30 Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched uniform / irreg

Length <20m / 20-50m / 50-100m / >100m

GPS Location

No. of Sats. UTM N

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Latitude N

Distance to Stream 150 m

Longitude W

SOIL DRAINAGE

Elevation m / l

Drainage Class R (W) / M / I / P / VP

Flight Line L5 Photo No. 4-5

Indicators seepage / sag ponds / damp spots

Photo (Roll/No.) DWT #11-8-13

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type rock fall / debris fall / slump /

Tension Cracks Y (N) In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y (N)

Jackstrawed Trees Y (N)

Split Trees Y (N)

Windthrow Y (N)

COMMENTS

Site No. DWT-80
TERRAIN SYMBOL FGt

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

Inspection GROUND / VISUAL

Polygon Number

SLOPE MORPHOLOGY

Location N. of Ellis Canyon
N/120m from creekbank
In Camp Rd // GPS #3

Slope 0-5 Degrees

Aspect N/NE/E/SE/S (SW) / W / NW

Shape concave / convex / benched uniform / irreg

GPS Location

No. of Sats. UTM 5483363 N

Adjacent to Stream Y (N)

Stream Class active / ephemeral / buried channel

Latitude N

Distance to Stream >300 m

Longitude W

SOIL DRAINAGE

Elevation 091 m / l

Drainage Class R / W / M / I / P / VP

Flight Line L5 Photo No. 4-5

Indicators seepage / sag ponds / damp spots

Photo (Roll/No.) DWT #11-8

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type rock fall / debris fall / slump /

Tension Cracks Y (N) In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y (N)

Jackstrawed Trees Y (N)

Split Trees Y (N)

Windthrow Y (N)

COMMENTS

Site No. DWT-81
TERRAIN SYMBOL FGT
Mw
Inspection GROUND / VISUAL

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

Polygon Number

SLOPE MORPHOLOGY

Location @ 2.7 km on Ellis Canyon Rd.
~ 25 m to S. Ellis Cr Rd.

Slope 25 % / Degrees 140
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats.

Adjacent to Stream Y/N

UTM N

Stream Class active / ephemeral / buried channel

E S. Ellis.

Latitude N

Distance to Stream 200 m

Longitude W

SOIL DRAINAGE

Elevation 1190 m

Drainage Class R (W) M / I / P / VP

Flight Line L6 Photo No. 6-7

Indicators seepage / sag ponds / damp spots

Photo (Roll/No.) DWT #12-132

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N Windthrow Y/N

COMMENTS

o/c observed in Road X (Dr)

Site No. DWT-82
TERRAIN SYMBOL Mw

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

Inspection GROUND / VISUAL

Polygon Number

SLOPE MORPHOLOGY

Location @ 2.7 km on Ellis Canyon Rd.
@ S. Ellis Cr Rd. turnoff

Slope 35 % / Degrees 190

Aspect N / NE / E / SE / S / SW / W / NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats.

Adjacent to Stream Y/N

UTM N

Stream Class active / ephemeral / buried channel

E S. Ellis.

Latitude N

Distance to Stream 50-200m

Longitude W

SOIL DRAINAGE

Elevation 1180 m

Drainage Class R (W) M / I / P / VP

Flight Line L6 Photo No. 6-7

Indicators seepage / sag ponds / damp spots

Photo (Roll/No.) DWT #12-3.

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N Windthrow Y/N

COMMENTS

Till
Fluvially reworked
@ 2.8 km

Site No. DWT-03
TERRAIN SYMBOL EGa (-G)
MW

Inspection GROUND/VISUAL

Polygon Number

Location

GPS Location

No. of Sats.

UTM

Latitude

Longitude

Elevation

Flight Line

Photo No.

Photo (Roll/No.)

DWT #12-4

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Swills

Gullies Y/N

<1/100m / 1/100m - 1/30m

Tension Cracks

Y/N

In Roadbed / In Overburden

Indicators

J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow

Y/N

COMMENTS

Extends to >3.2 km.

Gullies at SE end; gully walls - 25° (47%), run 17° (30%)

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m-h</u>

SLOPE MORPHOLOGY

Slope

33 % Degrees

Aspect

N/NE/E/SE/S/SW/W/NW

Shape

concave / convex / benched / uniform / irreg

Length

<20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream

Y/N

Stream Class

active / ephemeral / buried channel

Distance to Stream

50 m

SOIL DRAINAGE

Drainage Class

R/W/M/I/P/VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

series of cones (pss, Ca; marine material remnants well.

@3.2 km

Site No. DWT-04
TERRAIN SYMBOL zsb EG - F'cu

Inspection GROUND/VISUAL

Polygon Number

Location

GPS Location

No. of Sats.

UTM

0324585 N

Elev. 1209m

5480041 E

Latitude

N

Longitude

W

Elevation

1255 (m)

Flight Line

Photo No.

8-9

Photo (Roll/No.)

DWT #13-2-19

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks

Y/N

In Roadbed / In Overburden

Indicators

J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow

Y/N

COMMENTS

dry but groundwater suspected

~75m of skid road completely sliding off

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope

30 % Degrees

Aspect

N/NE/E/SE/S/SW/W/NW

Shape

concave / convex / benched / uniform / irreg

Length

<20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream

Y/N

Stream Class

active / ephemeral / buried channel

Distance to Stream

30 m

SOIL DRAINAGE

Drainage Class

R/W/M/I/P/VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

in failures

S. Ellis

creep

see DWT-91 - runout debris fans 13-27% grade at base in drainages of S.E. Cr. debris forment channels at base >20 yrs

83/84

Date Aug 24/00
Surveyor DEI

Site No. WST-05
TERRAIN SYMBOL 1/6 FA / FG - IV

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

Inspection GROUND / VISUAL
Polygon Number

SLOPE MORPHOLOGY

Location ~ 480m SE up S. Ellis Cr. from Ellis Canyon FSR.

Slope 30 % / Degrees 150 where fans into S. Ellis Cr. channel
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W

Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

Elevation 1215 m
Flight Line L6 Photo No. 8-9
Photo (Roll/No.) DWT #13-20

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

on gk, on paved in streambed, no fines.

Site No. WST-06
TERRAIN SYMBOL MW

SLOPE STABILITY CLASS	<u>IV - II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

Inspection GROUND / VISUAL
Polygon Number

SLOPE MORPHOLOGY

Location ~ 675m SE up S. Ellis Cr. from Ellis Canyon FSR

Slope >70 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m

GPS Location No. of Sats.
UTM 5484643 N
0324638 E
Latitude N
Longitude W

Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 40 m

Elevation 1215 m
Flight Line L6 Photo No. 8-9
Photo (Roll/No.) DWT #13-21

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

old logging had no effect

Site No. DWS-89
TERRAIN SYMBOL BCG - FC
Inspection GROUND/VISUAL
Polygon Number
Location SW bank of Ellis Cr
across creek from
DWS-87
GPS Location No. of Sats.
UTM N
E E
Latitude N
Longitude W
Elevation 1215 m / l
Flight Line L6 Photo No. B-9
Photo (Roll/No.) DWS #13-24

SLOPE STABILITY CLASS	<u>V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh.</u>

SLOPE MORPHOLOGY
Slope 780 (%) Degrees 40-480
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream N
Stream Class active / ephemeral / buried channel
Distance to Stream 30 m

SOIL DRAINAGE
Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants alders

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

Initiation at break in slope of old melt water channel.
>1% o/c observed on steep slopes. debris flow / torrent etc

Site No. DWS-90
TERRAIN SYMBOL BCG
Inspection GROUND/VISUAL
Polygon Number
Location SW bank of S. Ellis Cr
across creek from
DWS-87
GPS Location No. of Sats.
UTM N
E E
Latitude N
Longitude W
Elevation 1230 m / l
Flight Line L6 Photo No. B-9
Photo (Roll/No.) DWS #13-24

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY
Slope 25-30 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >30 m
SOIL DRAINAGE
Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants alders

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

lots of big wood in channel

Date Aug 14/00
Surveyor DWT

Site No. DWT-91
TERRAIN SYMBOL Cf - Ff
Inspection GROUND VISUAL
Polygon Number _____
Location believe failure @ East-04
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1215 @ 11
Flight Line L6 Photo No. 6-7
Photo (Roll/No.) DWT #14-2, 3

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 13-27 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg (C)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel SECN
Distance to Stream 30 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone minor
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

2.5 fans < 20m x 20m

Site No. DWT-92
TERRAIN SYMBOL 1Cv/Mw
Inspection GROUND VISUAL
Polygon Number _____
Location ~50' N of SE. C. bridge
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1160 @ 11
Flight Line L6 Photo No. 6-7
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>III - IV</u> ?
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>h.</u>

SLOPE MORPHOLOGY

Slope 50 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 50 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone minor
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

9/1/92

Site No.	<u>DWT-93</u>	SLOPE STABILITY CLASS		<u>III</u>
TERRAIN SYMBOL	<u>SZLG</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
Inspection	GROUND / VISUAL	SURFACE EROSION POTENTIAL		<u>L-M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>m</u>
Location	<u>~450 W on Ellis Canyon FSR, from S.E. Cr. Bridge</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>42</u> (°) Degrees	
UTM	N	Aspect	<u>N/NE</u> E / SE / S / SW / W / NW	
	E	Shape	concave / convex / benched / uniform / irreg	
Latitude	N	Length	<u><20m</u> / 20 - 50m / 50 - 100m / <u>>100m</u>	
Longitude	W	Adjacent to Stream	<u>Y/N</u>	
Elevation	m / f	Stream Class	<u>active</u> / ephemeral / buried channel	
Flight Line	<u>L6</u> Photo No. <u>G-7</u>	Distance to Stream	<u>700</u> m	
Photo (Roll/No.)	<u>DWT #14-6</u>	SOIL DRAINAGE		
		Drainage Class	<u>R/W/M/I/P/V</u>	
		Indicators	seepage / sag ponds / damp spots	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active	<u>Y(N)</u>	Landslide Evidence	<u>Y(N)</u> 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone		Landslide Type	minor / small / medium / large
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m		rock fall / debris fall / slump /
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden		earthflow / debris flow / bedrock slide
Indicators	J-Trees <u>Y/N</u> Jackstrawed Trees <u>Y/N</u> Split Trees <u>Y/N</u> Windthrow <u>Y/N</u>		

COMMENTS

occurs at base of slope rd x

100% v. f. sc
LGE base of slope

Site No.	<u>DWT-94</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>SZFG</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
Inspection	GROUND / VISUAL	SURFACE EROSION POTENTIAL		<u>L-M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>m</u>
Location	<u>~500 W on Ellis Canyon FSR, from S.E. Cr. bridge</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>0-5, 35</u> (°) Degrees	
UTM	N	Aspect	<u>N/NE</u> E / SE / S / SW / W / NW	
	E	Shape	concave / convex / benched / uniform / irreg	
Latitude	N	Length	<u><20m</u> / 20 - 50m / 50 - 100m / <u>>100m</u>	
Longitude	W	Adjacent to Stream	<u>Y/N</u>	
Elevation	<u>7180</u> (m)	Stream Class	<u>active</u> / ephemeral / buried channel	
Flight Line	<u>L6</u> Photo No. <u>G-7</u>	Distance to Stream	<u>700</u> m	
Photo (Roll/No.)	<u>DWT #14-7</u>	SOIL DRAINAGE		
		Drainage Class	<u>R/W/M/I/P/V</u>	
		Indicators	seepage / sag ponds / damp spots	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active	<u>Y(N)</u>	Landslide Evidence	<u>Y(N)</u> 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone		Landslide Type	minor / small / medium / large
Gullies	<u>Y/N</u> <1/100m / 1/100m - 1/30m / >1/30m		rock fall / debris fall / slump /
Tension Cracks	<u>Y/N</u> In Roadbed / In Overburden		earthflow / debris flow / bedrock slide
Indicators	J-Trees <u>Y/N</u> Jackstrawed Trees <u>Y/N</u> Split Trees <u>Y/N</u> Windthrow <u>Y/N</u>		

COMMENTS

Site No. DWT-95
TERRAIN SYMBOL ba FA
EG

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>Vh</u>

Inspection GROUND/VISUAL

Polygon Number

Location on 800m post SECC Bridge
on Ellis Canyon FSR

SLOPE MORPHOLOGY

Slope 13.40 % / Degrees acutely

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / Irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP

Indicators seepage / sag ponds / damp spots

Indicator Plants

GPS Location

No. of Sats.

UTM

N

E

Latitude

N

Longitude

W

Elevation

1170 (m)

Flight Line

L6

Photo No. 6-7

Photo (Roll/No.)

none

GEOMORPHOLOGICAL PROCESSES

Active Y/N stream channel

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

2/5/00

underdowns
can sunny hot
1 pm

Site No. DWT-96
TERRAIN SYMBOL EGc B (as)
(high organic)

Inspection GROUND/VISUAL

Polygon Number

Location @ 1.1 km up Indian Rd SE
off Ellis Canyon FSR @ 1.4 km

SLOPE MORPHOLOGY

Slope 3-6.17 % / Degrees ~260°

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / Irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active ephemeral / buried channel

Distance to Stream ~150 m (up slope of trib. to S.E. cr.)

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP

Indicators seepage / sag ponds / damp spots

Indicator Plants alder, poplar

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

~ 5 cm of organic soil

Photos & Notes

DWT #14-9-1

#9: rock quarry

1km on Cami Rd

slope 33%

#10: deer road kill

#11: headwall of

rock gully

slope 83%

#12: EG bench

Photo L5, 6-7

High concentration
of COWS!

High Organic
Content

high of sand-
water area.

Photo. of fining upward sequence grading upwards
from silty sand to sandy silt.

be coincident w. logging line (Truck Park) 95/96
channel in road surface (uphill ditch side) start at W. culvert ~ 75m up stream

Site No. DWT-97
TERRAIN SYMBOL Mw
Rm
Inspection GROUND / VISUAL
Polygon Number _____
Location and only spec of Ellis Canyon FSR
@ 2.4 km.
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1240 (m)
Flight Line LG Photo No. B-9
Photo (Roll/No.) DWT #14-13

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 20-30% Degrees
Aspect N / NE / E / SE / S (SW) W / NW
Shape concave / convex / benched (uniform) / irreg rolling
Length <20m / 20 - 50m / 50 - 100m >100m
Adjacent to Stream Y N
Stream Class active / ephemeral / buried channel
Distance to Stream ~150 m to trib

SOIL DRAINAGE

Drainage Class R / (W / M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Gold be 5
need symbol for Areas of saturation, areas of high groundwater

Site No. DWT-98
TERRAIN SYMBOL FA - B (g)
FG
Inspection GROUND / VISUAL
Polygon Number _____
Location 2nd trib. on spind off
E. Canyon FSR @ 2.4 km.
GPS Location
No. of Sats. _____
UTM 5480097 N
0324934 E
Latitude _____ N
Longitude _____ W
Elevation 1328 (1240) (m)
Flight Line LG Photo No. B-9
Photo (Roll/No.) DWT #14-14-18

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 17, 19% Degrees
Aspect N / NE / E / SE / S (SW) W / NW
Shape concave / convex / benched / uniform / irreg - channel
Length <20m / 20 - 50m (50 - 100m) >100m
Adjacent to Stream Y N (Orientation: 060° - 240°) - channel with
Stream Class active / ephemeral / buried channel - open
Distance to Stream 0 - m (down from Mj's
clumpy, slope E
- channel wall to

SOIL DRAINAGE

Drainage Class R / (W / M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

water courses thru FG boulders, partially under vegetation mats.
water flows thru culvert ~ 20m up stream; fill used is still in texture, with
high with conf. fine reds detected to about 10m SW down stream.
Culvert requires greater pull back and installation
of water bars every 25m or less, as required.

Site No. DWT-99

TERRAIN SYMBOL MW (4)

Inspection GROUND/VISUAL

Polygon Number

Location N 82.5m SE on Spauld
@ break in slope
of E. Canyon FSR @ 2.4km.
and dis. surface road runoff.

GPS Location No. of Sats. UTM 548 03 09 N
032 46 09 E
Latitude N
Longitude 111. W

Elevation GPS 1288 (1210) (m)

Flight Line Photo No.

Photo (Roll/No.) DWT #14 + 323-25 FOR

GEOMORPHOLOGICAL PROCESSES DWT #15-1

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS End of 300m channel in road bed; area of increased groundwater flow responsible for failures along banks of S.E. Creek.

SLOPE STABILITY CLASS		<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>M</u>
SEDIMENT DELIVERY POTENTIAL		<u>h</u>

SLOPE MORPHOLOGY 21, 36 ← gully and slopes from below rd.
Slope 16.21 (%) / Degrees Gully @ 16°
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg channel
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 - 100m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots run off from road ditch
Indicator Plants

Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Site No. DWT-100

TERRAIN SYMBOL MW

Inspection GROUND/VISUAL

Polygon Number

Location Split below E. Canyon FSR
@ 2.7km ~ 250m from bridge.

GPS Location No. of Sats. UTM N
E
Latitude N
Longitude W

Elevation 1180 (m)

Flight Line Photo No. 6-7

Photo (Roll/No.) DWT #15-2

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS		<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>3</u>
SURFACE EROSION POTENTIAL		<u>M</u>
SEDIMENT DELIVERY POTENTIAL		<u>vh</u>

SLOPE MORPHOLOGY 53 (%) Degrees
Slope 53 (%) / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg gully depressions
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel road @ break in slope.
Distance to Stream 0 - 50m

SOIL DRAINAGE
Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

Landslide Evidence Y/N 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Site No. DWT-101
TERRAIN SYMBOL zclg

Inspection GROUND / VISUAL

Polygon Number

Location @ 2.7 km on E. Cairn FSR
@ (creek)

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation ~ 1160 m/l

Flight Line L6 Photo No. 6-7

Photo (Roll/No.) DWT #15-3.4

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>M-h</u>

SLOPE MORPHOLOGY

Slope 14 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 120 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

030°/20°NE

fine silt cap to seeds in ditch
cone?

Leat pit @ DWT-93

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Split Trees

Y/N Windthrow Y/N

Site No. DW
TERRAIN SYMBOL z.g M.w

Inspection GROUND / VISUAL

Polygon Number

Location @ 4.3 km on E. Cairn FSR

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation ~ 1180 (map) (m)

Flight Line L6 Photo No. 6-7

Photo (Roll/No.) name of site

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 25-30 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 250 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

rolling E. C. f. S. E. C.

confluence of

Landslide Evidence

Y/N <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

Split Trees

Y/N Windthrow Y/N

Site No. DWT-103
TERRAIN SYMBOL 2g Mb
Inspection GROUND/VISUAL

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

Polygon Number

SLOPE MORPHOLOGY

Location @ bench w 20g N
4.9 km on E. Canyon PSR

Slope 0-10 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform / irreg

GPS Location No. of Sats.

Length <20m / 20 - 50m / 50 - 100m >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel (E Cn)
Distance to Stream 225m

UTM N

UTM E

Latitude N

Longitude W

Longitude W

SOIL DRAINAGE

Elevation ~1150 m/l

Drainage Class

R/W/M/I/P/VP

Flight Line L5 Photo No. R-9

Indicators

seepage / sag ponds / damp spots

Photo (Roll/No.) DWT #15-5

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks Y/N In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

Site No. DWT-104
TERRAIN SYMBOL 2g Mb
Inspection GROUND/VISUAL

SLOPE STABILITY CLASS	<u>III-IV?</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m-h</u>

Polygon Number

SLOPE MORPHOLOGY

Location ~20m N of DWT-103

Slope 70 (%) Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched uniform / irreg

terrace face

GPS Location No. of Sats.

Length <20m / 20 - 50m / 50 - 100m >100m

UTM N

Adjacent to Stream

Y/N

UTM E

Stream Class

active ephemeral / buried channel

Latitude N

Distance to Stream

>225m

Longitude W

SOIL DRAINAGE

Elevation 1130 m/l

Drainage Class

R/W/M/I/P/VP

well forested

Flight Line L5 Photo No. 9-9

Indicators

seepage / sag ponds / damp spots

Photo (Roll/No.) none

Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Landslide Evidence

Y/N 5yr / 5-20yr / 20-100yr / >100yr

Initiation Zone / Run-out Zone

minor / small / medium / large

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Landslide Type

rock fall / debris fall / slump /

Tension Cracks Y/N In Roadbed / In Overburden

earthflow / debris flow / bedrock slide

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Split Trees

Y/N

Windthrow Y/N

COMMENTS

501/101

103/104

Site No.	<u>DWT-105</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>Mw</u> <u>Rm</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>@ 5.4 on Fil Canyon FSR</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>15 (%) Degrees</u> (<u>6340</u>)	
UTM	<u>N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1155 (m)</u>	Adjacent to Stream	<u>Y/N</u>	
Flight Line	<u>L6</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>DWT #15-6-9</u>	Distance to Stream	<u>>400 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y/N</u>	Drainage Class	<u>R / W / M / I / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u>	Indicator Plants		
Tension Cracks	<u>Y / N</u>	Landslide Evidence	<u>Y (N) <5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees Y / N</u>	Landslide Type	<u>minor / small / medium / large</u>	
	<u>Jackstrawed Trees Y / N</u>		<u>rock fall / debris fall / slump /</u>	
	<u>Split Trees Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>	
			<u>Y / N</u> Windthrow <u>Y / N</u>	
COMMENTS				

075°/15°E
Bedrock
- banding in
quartz (fabr)
010 joint in
50 NW
070°/90

~0.5% of c
of shallow

Site No.	<u>DWT-106</u>	SLOPE STABILITY CLASS		<u>IV</u>
TERRAIN SYMBOL	<u>FA - I</u> <u>6 FG</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>h</u>
Location	<u>End of E. Canyon FSR</u> <u>@ 6.3 km. Main - @ stream gully</u> <u>- road blocked</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>17.40 (%) Degrees</u>	
UTM	<u>5480170 N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>D32 2003 E</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>GPS 1216 (m)</u>	Adjacent to Stream	<u>Y/N</u>	
Flight Line	<u>Photo No.</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>DWT #15-10, 11</u>	Distance to Stream	<u>0-30 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y/N</u>	Drainage Class	<u>R / W / M / I / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u>	Indicator Plants		
Tension Cracks	<u>Y / N</u>	Landslide Evidence	<u>Y (N) <5yr / 5-20yr / 20-100yr / >100yr</u>	
Indicators	<u>J-Trees Y / N</u>	Landslide Type	<u>minor / small / medium / large</u>	
	<u>Jackstrawed Trees Y / N</u>		<u>rock fall / debris fall / slump /</u>	
	<u>Split Trees Y / N</u>		<u>earthflow / debris flow / bedrock slide</u>	
			<u>Y / N</u> Windthrow <u>Y / N</u>	
COMMENTS				

Mw on side s
channel.

Alt. in
1155

Date Aug 15/00
Surveyor DWT

Site No. DWT-107
TERRAIN SYMBOL sgh FG+
Inspection GROUND / VISUAL
Polygon Number 5
Location ~ 6.380 km on Ellis Canyon FSR
~ 80m N of black (for)
GPS Location
No. of Sats. 4
UTM N
E
Latitude N
Longitude W
Elevation 1240 (m)
Flight Line L6 Photo No. 4-5
Photo (Roll/No.) 1 note

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY
Slope 19 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream 80 m
SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-108
TERRAIN SYMBOL Mw
Rm
Inspection GROUND / VISUAL
Polygon Number
Location ~ 6.53 km on Ellis Canyon FSR
GPS Location
No. of Sats. 4
UTM 5480174 N
0321774 E
Latitude N
Longitude W
Elevation 1215 (m)
Flight Line L6 Photo No. 4-5
Photo (Roll/No.) DWT-15-12, 13, 14, 15

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>12</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>C-m</u>

SLOPE MORPHOLOGY
Slope 46 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream >80 m
SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Large dip:
Okanagan Gneiss
Plunging
folds @
14°/100°
Joint Orientation
050
38NW
250SE
main fabric

107/10/00

Site No. DWT-109
TERRAIN SYMBOL FA/2FG
Mw
Inspection GROUND / VISUAL
Polygon Number
Location Applu
~ 6.98 km on E. Canyon FSR.
GPS Location
No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1185 m / l
Flight Line L6 Photo No. 4-5
Photo (Roll/No.) DWT #15-19

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	
SURFACE EROSION POTENTIAL	
SEDIMENT DELIVERY POTENTIAL	

SLOPE MORPHOLOGY

Slope 36.56(%) Degrees channel
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 - 10m

SOIL DRAINAGE

Drainage Class R / W / M / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N channel
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N
Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

~ 1.5m culvert
- culvert up the
wall across
(3m riprap)

channel

shallow bedrock

o/c: 20
140
110°
10°

bedrock slope
090°
180° (32)

090°
180° (32)

160°
25N/47°
erosion surface
of bedrock

020/68E

Site No. DWT-110
TERRAIN SYMBOL Mw
Rb
Inspection GROUND / VISUAL
Polygon Number
Location
GPS Location
No. of Sats.
UTM 5480699 N
0320559 E
Latitude N
Longitude W
Elevation 1135 m / l
Flight Line L6 Photo No. 48
Photo (Roll/No.) DWT #15-20-26

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 47.60 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 2500 m

SOIL DRAINAGE

Drainage Class R / W / M / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants shallow o/c

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N
Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

o/c

100/22S

main fabric

15/110°

note: 11-S facies fab

alternates over

next to W

- 2 folds noted

from W.

Date Aug 15/00
Surveyor D. D. D.

Site No. DWT-111
TERRAIN SYMBOL Sq Fg + ← ?
MW

Inspection GROUND/VISUAL

Polygon Number Nicomen on N.E. Rd.

Location → 0.416 km.

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1445 m

Flight Line L4 Photo No. B-9

Photo (Roll/No.) none out of film

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-20° / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel ?
Distance to Stream 70 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

easily travels in rd-x

Site No. DWT-112
TERRAIN SYMBOL

Inspection GROUND/VISUAL

Polygon Number 0.636 km (EOR)

Location N.E. - K.E. Rd.
(E & N.E.C.)

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 2156 m

Flight Line L4 Photo No. B-9

Photo (Roll/No.)

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y/N In Roadbed / In Overburden

Indicators J-Trees Y/N Jackstrawed Trees Y/N

Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large

Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

Split Trees Y/N Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 15° / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 750 m

SOIL DRAINAGE

Drainage Class R (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

Site No.	<u>DWT-113</u>	SLOPE STABILITY CLASS		<u>II</u>
TERRAIN SYMBOL	<u>Mv</u> <u>Rr</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
Inspection	<u>GROUND</u> VISUAL	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>End of spur of N Fork Ellis Cr. Rd. (0.3 km of main Rd.)</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>15-20%</u> Degrees	
UTM	<u>N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>N</u> m	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L4</u> Photo No. <u>B-9</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>none</u>	Distance to Stream	<u>>400 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y / N</u>	Drainage Class	<u>R / W / M / I / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u> <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants		
Tension Cracks	<u>Y / N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y / N</u> <5yr / 5-20yr / 20-100yr / >100yr	
Indicators	<u>J-Trees</u> <u>Y / N</u> Jackstrawed Trees <u>Y / N</u> Split Trees <u>Y / N</u> Windthrow <u>Y / N</u>	Landslide Type	<u>rock fall / debris fall / slump / earthflow / debris flow / bedrock slide</u>	
COMMENTS				

Site No.	<u>DWT-114</u>	SLOPE STABILITY CLASS		<u>III</u>
TERRAIN SYMBOL	<u>EG4 - Fc</u> <u>Mw</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
Inspection	<u>GROUND</u> VISUAL	SURFACE EROSION POTENTIAL		<u>M</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>in-h</u>
Location	<u>below Gann's Rd @ 2km. (quarrying)</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>0-5% >50%</u> Degrees	
UTM	<u>N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>~120</u> m	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L5</u> Photo No. <u>6-7</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)	<u>DWT-114-9-12</u>	Distance to Stream	<u>>300 m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y / N</u> <u>concave</u>	Drainage Class	<u>R / W / M / I / P / VP</u>	
Initiation Zone / Run-out Zone		Indicators	<u>seepage / sag ponds / damp spots</u>	
Gullies	<u>Y / N</u> <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants		
Tension Cracks	<u>Y / N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y / N</u> <5yr / 5-20yr / 20-100yr / >100yr	
Indicators	<u>J-Trees</u> <u>Y / N</u> Jackstrawed Trees <u>Y / N</u> Split Trees <u>Y / N</u> Windthrow <u>Y / N</u>	Landslide Type	<u>rock fall / debris fall / slump / earthflow / debris flow / bedrock slide</u>	
COMMENTS				

Date Aug 15/00
Surveyor DWT

Site No. DWT-115
TERRAIN SYMBOL Mw - Fe
Inspection GROUND/VISUAL
Polygon Number
Location @ 2km on Carri Rd
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation ~ 1120 (m)
Flight Line LS Photo No. 63
Photo (Roll/No.) DWT #14-9-12

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY
Slope 765 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >300m

SOIL DRAINAGE
Drainage Class R/W/M/I/P VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Creep
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-116
TERRAIN SYMBOL LCV - VR^b
Inspection GROUND/VISUAL
Polygon Number
Location below Carri Rd @ ~2km
GPS Location No. of Sats.
UTM N
Latitude N
Longitude W
Elevation ~ 1100 (m)
Flight Line LS Photo No. 6-7
Photo (Roll/No.) DWT #14-11

SLOPE STABILITY CLASS	<u>IV-V</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY
Slope >80 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >300m

SOIL DRAINAGE
Drainage Class R(W/M/I/P) VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DWT-117
TERRAIN SYMBOL MW
Rn

Inspection GROUND / VISUAL

Polygon Number

Location

~ 300 N
of Study
area boundary
GPS Location Outside Shady area
in Pentticton (with bedrock)
(~11.0 km up Dalhousie Rd.)

APPS stn #5 (C)
(on Old Road)

Photo No. 6-7
Photo (Roll/No.) DWT #16-1

Flight Line L3

Photo (Roll/No.)

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N

Tension Cracks Y/N

Indicators J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees Y/N

Y/N

Windthrow Y/N

COMMENTS

rock ribs of bedrock & abundant angular large
rip up clasts & o/c

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

SLOPE MORPHOLOGY

Slope

21 % / Degrees

Aspect

N / NE / E / SE / S / SW / W / NW

Shape

concave / convex / benched / uniform / irreg

Length

<20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream

Y/N

Stream Class

active / ephemeral / buried channel

Distance to Stream

m

SOIL DRAINAGE

Drainage Class

R / W / M / I / P / VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

shallow bedrock

Landslide Evidence

Y / N / <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type

minor / small / medium / large

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

rock ridges

Site No. DWT-118
TERRAIN SYMBOL 3 F/L
MW
Inspection GROUND / VISUAL

Location

13 section
observed
convergence
up

GPS Location

No. of Sats.

UTM

548 7454 N

Latitude

032 3278 E

Longitude

W

Elevation

1576 (m)

Flight Line

L3

Photo No. 6-7

Photo (Roll/No.)

DWT #16-2-7

GEOMORPHOLOGICAL PROCESSES

Active Y/N

Initiation Zone / Run-out Zone

Gullies Y/N

Tension Cracks Y/N

Indicators J-Trees

Y/N

Jackstrawed Trees Y/N

Split Trees Y/N

Y/N

Windthrow Y/N

COMMENTS

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>I</u>

SLOPE MORPHOLOGY

Slope

18.22 % / Degrees 10° / 15°

Aspect

N / NE / E / SE / S / SW / W / NW

Shape

concave / convex / benched / uniform / irreg

Length

<20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream

Y/N

Stream Class

active / ephemeral / buried channel

Distance to Stream

50 m

SOIL DRAINAGE

Drainage Class

R / W / M / I / P / VP

Indicators

seepage / sag ponds / damp spots

Indicator Plants

Alder

Landslide Evidence

Y / N / <5yr / 5-20yr / 20-100yr / >100yr

Landslide Type

minor / small / medium / large

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

shallow gullies
with elevated granular
flow

Site No. DW-119
TERRAIN SYMBOL Sag Flw - E
Inspection GROUND / VISUAL
Polygon Number
Location Dobson Rd.
(6.0km from band)

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>1</u>

SLOPE MORPHOLOGY

Slope 16.23 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream > m

channelled

groundwater
→ dry

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GPS Location No. of Sats.
UTM 548 6829 N
032 4963 E
Latitude N
Longitude W
Elevation 1670 (1670) m / 1
Flight Line L3 Photo No. 10-11
Photo (Roll/No.) DW #17-1

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DW-120
TERRAIN SYMBOL Sag Flw - E
Mm
Inspection GROUND / VISUAL
Polygon Number
Location 201 Rd @ 6.5km S
of Ellis Cr. FSR
switch bank

SLOPE STABILITY CLASS	<u>IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>m</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 30-35 Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

failures
in Mm obs.
S. side of
pond

channel
gully Melt water
channel
Ponded / dry pond

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1755 (m)
Flight Line L6 Photo No. 10-11
Photo (Roll/No.) DW #17-11

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. Dwt-121
TERRAIN SYMBOL 1/2 h Flt.
(raised bench)
Inspection GROUND / VISUAL
Polygon Number _____
Location spur road
High 201 Rd (opposite)
Duncan Rd.
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1540 m / l
Flight Line L7 Photo No. 10-11
Photo (Roll/No.) Dwt #17-15

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 0-15 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex benched uniform irreg
Length <20m 20-50m 50-100m >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0-100m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

marsh dwt-122

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. Dwt-122
TERRAIN SYMBOL OW
Inspection GROUND / VISUAL
Polygon Number _____
Location @ Dwt-121
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1540 m / l
Flight Line _____ Photo No. _____
Photo (Roll/No.) Dwt #17-16

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>vh</u>

SLOPE MORPHOLOGY

Slope 0-5 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 0 m marsh

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

water in ditch

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

Geotechnical Engineering

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

Geotechnical Engineering

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

Site No.	<u>DWT-125</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>Sub F G W</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>VL</u>
Location	<u>Ellis Cr. Rd</u> <u>N 1/2 km W past</u> <u>Upper Pribor Rd.</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>5-20</u> % / Degrees	
UTM	<u>N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1540</u> (m)	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L4</u> Photo No. <u>6-7</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)		Distance to Stream	<u>>500</u> m	
		SOIL DRAINAGE		
		Drainage Class	<u>R / W / M / I / P / VP</u>	
		Indicators	<u>seepage / sag ponds / damp spots</u>	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No.	<u>DWT-126</u>	SLOPE STABILITY CLASS		<u>I</u>
TERRAIN SYMBOL	<u>Sub L G b</u>	LANDSLIDE SEDIMENT POTENTIAL		<u>I</u>
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		<u>L</u>
Polygon Number		SEDIMENT DELIVERY POTENTIAL		<u>L</u>
Location	<u>~50m w. of penstock</u> <u>spillway</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>0-10</u> % / Degrees	
UTM	<u>N</u>	Aspect	<u>N / NE / E / SE / S / SW / W / NW</u>	
Latitude	<u>N</u>	Shape	<u>concave / convex / benched / uniform / irreg</u>	
Longitude	<u>W</u>	Length	<u><20m / 20 - 50m / 50 - 100m / >100m</u>	
Elevation	<u>1340</u> (m)	Adjacent to Stream	<u>Y / N</u>	
Flight Line	<u>L5</u> Photo No. <u>12-13</u>	Stream Class	<u>active / ephemeral / buried channel</u>	
Photo (Roll/No.)		Distance to Stream	<u>0-200</u> m	
		SOIL DRAINAGE		
		Drainage Class	<u>R / W / M / I / P / VP</u>	
		Indicators	<u>seepage / sag ponds / damp spots</u>	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No. DWT-127
TERRAIN SYMBOL sgb FAW
SLG6
Inspection GROUND/VISUAL
Polygon Number _____
Location ~50 m W of
penstock spillway
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1385 M
Flight Line L5 Photo No. 12-13
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

< 2 due to construction

SLOPE MORPHOLOGY

Slope 20-35° / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

channel has shown erosion as result of
spillway construction

Site No. DWT-128
TERRAIN SYMBOL Rm // zdmx
Inspection GROUND/VISUAL
Polygon Number 649
Location Tamara Creek Loop
of Cassin's Sparrow
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1250 M
Flight Line L5 Photo No. 6-7
Photo (Roll/No.) DWT # 9-20

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>VL</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

SLOPE MORPHOLOGY

Slope 0-5° / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream >400 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

Site No. DWT-129
TERRAIN SYMBOL sag F6+
Inspection GROUND/VISUAL
Polygon Number 387
Location bench N of Corina Rd.
~300 N from start of
E. Canyon Rd.
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1385 (m)
Flight Line LS Photo No. 10-11
Photo (Roll/No.) DWT #1 - 1/A

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

SLOPE MORPHOLOGY

Slope 0-5 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream >600 m

SOIL DRAINAGE

Drainage Class (R) W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No. DWT-130
TERRAIN SYMBOL sag F6+
2d Mb
Inspection GROUND / VISUAL
Polygon Number 389
Location N of Corina Rd.
~800 E of start of
E. Canyon Rd.
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1380 (m)
Flight Line LS Photo No. 10-11
Photo (Roll/No.) 1

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 30-45 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream >200 m

SOIL DRAINAGE

Drainage Class (R) W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Date Aug 9/00
Surveyor DWT/DD

Site No. DWT-131
TERRAIN SYMBOL 2d Mw
Rm
Inspection GROUND / VISUAL
Polygon Number 200
Location E. of N.E. Cr., N
of Cr. Rd.
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation ~1440 (m)
Flight Line L5 Photo No. 10-11
Photo (Roll/No.) DWT #1 - 17A

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 10-20 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream >300m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

} slopes away from
ephemeral(?) cr.
along N boundary.

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

Aug. 15/00

Site No. DWT-132
TERRAIN SYMBOL SEW
co F Gb
Inspection GROUND / VISUAL
Polygon Number _____
Location @ junction of 201 Rd
& Cr. Rd.
GPS Location
No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1400 (m)
Flight Line L5 Photo No. 14-15
Photo (Roll/No.) DWT #17-3

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>1</u>

SLOPE MORPHOLOGY

Slope 5-10 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream >50 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

} groundwater in
ditch line.

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

water in ditch line / wind blown clean sand!
very well sorted

Site No.	DD-01	SLOPE STABILITY CLASS		II
TERRAIN SYMBOL	<u>2gMvt - E</u> <u>Rr</u>	LANDSLIDE SEDIMENT POTENTIAL		3
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		M
Polygon Number		SEDIMENT DELIVERY POTENTIAL		h
Location	<u>8.3 km on Derenzy FSR from OK Falls turn off</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>0-10</u> % / Degrees	
UTM	N	Aspect	<u>N</u> / NE / E / SE / S / SW / W / NW	
Latitude	N	Shape	concave / convex <u>benched</u> / uniform / irregi	
Longitude	W	Length	<20m / 20 - 50m / 50 - 100m / >100m	
Elevation	<u>1440</u> (m)	Adjacent to Stream	<u>Y</u> / N	
Flight Line	<u>L7</u> Photo No. <u>176</u>	Stream Class	active / <u>ephemeral</u> / buried channel	
Photo (Roll/No.)	<u>DD #1-1</u>	Distance to Stream	<u><30</u> m	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y</u> / <u>N</u>	Drainage Class	R / W / <u>M</u> / I / P / VP	
Initiation Zone / Run-out Zone		Indicators	seepage / sag ponds / damp spots	
Gullies	<u>Y</u> / N <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants	<u>N/A</u>	
Tension Cracks	<u>Y</u> / <u>N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y</u> / <u>N</u> <5yr / 5-20yr / 20-100yr / >100yr	
Indicators	J-Trees <u>Y</u> / <u>N</u> Jackstrawed Trees <u>Y</u> / <u>N</u> Split Trees <u>Y</u> / <u>N</u> Windthrow <u>Y</u> / <u>N</u>	Landslide Type	minor / small / medium / large	
COMMENTS	<u>- good exposure of light grey, cr phytic granodiorite, wk foliated</u>			

Site No.	DD-02	SLOPE STABILITY CLASS		II
TERRAIN SYMBOL	<u>2Mw</u> <u>Rr</u> - <u>EV</u>	LANDSLIDE SEDIMENT POTENTIAL		I
Inspection	<u>GROUND / VISUAL</u>	SURFACE EROSION POTENTIAL		L
Polygon Number		SEDIMENT DELIVERY POTENTIAL		2
Location	<u>7.4 km along Derenzy FSR (from OK Falls FSR) 550m south</u>	SLOPE MORPHOLOGY		
GPS Location	No. of Sats.	Slope	<u>10-16</u> % / Degrees	
UTM	N	Aspect	<u>N</u> / NE / E / SE / S / SW / W / NW	
Latitude	N	Shape	concave / convex / <u>benched</u> / <u>uniform</u> / irregi	
Longitude	W	Length	<20m / 20 - 50m / <u>50 - 100m</u> / >100m	
Elevation	<u>1530</u> m	Adjacent to Stream	<u>Y</u> / <u>N</u>	
Flight Line	<u>L7</u> Photo No. <u>176</u>	Stream Class	active / ephemeral / buried channel	
Photo (Roll/No.)		Distance to Stream	<u>m</u>	
GEOMORPHOLOGICAL PROCESSES		SOIL DRAINAGE		
Active	<u>Y</u> / N	Drainage Class	R / W / M / <u>I</u> / P / VP	
Initiation Zone / Run-out Zone		Indicators	seepage / sag ponds / <u>damp spots</u> ?	
Gullies	<u>Y</u> / N <1/100m / 1/100m - 1/30m / >1/30m	Indicator Plants	<u>abundant alders</u>	
Tension Cracks	<u>Y</u> / <u>N</u> In Roadbed / In Overburden	Landslide Evidence	<u>Y</u> / <u>N</u> <5yr / 5-20yr / 20-100yr / >100yr	
Indicators	J-Trees <u>Y</u> / <u>N</u> Jackstrawed Trees <u>Y</u> / <u>N</u> Split Trees <u>Y</u> / <u>N</u> Windthrow <u>Y</u> / <u>N</u>	Landslide Type	minor / small / medium / large	
COMMENTS	<u>- abundant sub-angular float of wk foliated granodiorite?</u> <u>- gentle slope overgrown w/ alders</u>			

Site No. DD-03
TERRAIN SYMBOL 1sg.Mv
Rj
Inspection GROUND VISUAL
Polygon Number
Location North Fork of Derenzy
FSR, 0.4 km NE
GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1430 (m)
Flight Line L7 Photo No. 176
Photo (Roll/No.) DD#1-2

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-10 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants N/A

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- outcrop of coarse locally pegmatitic, K-feldspar megacrystic granite / granodiorite, massive about 20m east of check point till is silty, <10% gravel, cement like, hard, indurated

Site No. DD-04
TERRAIN SYMBOL 1sg.FL
Mw / R-E
Inspection GROUND VISUAL
Polygon Number
Location 2.7 km on Derenzy
FSR
GPS Location No. of Sats.
UTM N
E
Latitude N
Longitude W
Elevation 1450 (m)
Flight Line L7 Photo No. 172
Photo (Roll/No.) DD#1-3,4

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 0-5 40 % / Degrees
Aspect N (NE) E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream 75 m

SOIL DRAINAGE

Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants N/A

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- raised beach? subrd to subana p. c. in sandy matrix (98% s, 2% z)
- 2.5-3m height, slope unstable, bare, common subround boulders in 1sg.Mw

Site No. DD-05
TERRAIN SYMBOL /SLGH/MW - EV
Rh

SLOPE STABILITY CLASS	I - II
LANDSLIDE SEDIMENT POTENTIAL	1
SURFACE EROSION POTENTIAL	L
SEDIMENT DELIVERY POTENTIAL	m

Inspection GROUND / VISUAL

Polygon Number

Location 2.3 km on DEPE 1121 FSR,
Old Rd to South, about
150m south of staging area

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1480 (m)

Flight Line F7 Photo No. 172

Photo (Roll/No.) DD#1 - 5, 6, 7

SLOPE MORPHOLOGY

Slope 0, 20-35% / Degrees
Aspect N (NE) E / SE / S / SW / W (NW)
Shape concave / convex / benched / uniform / (irreg)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y) N
Stream Class active / ephemeral / buried channel
Distance to Stream 5-7 m + swampy, wet

SOIL DRAINAGE

Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots 7
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies (Y) / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- low ground is wet, swampy so are the gullies, generally hummocky
terrain v. likely raised beach? poorly stratified sand to c. sand, <30% f. c.
possibly v. weak stratification

Site No. DD-06
TERRAIN SYMBOL /ZgMv(w)
Rf (Rh) - Y

SLOPE STABILITY CLASS	I
LANDSLIDE SEDIMENT POTENTIAL	1
SURFACE EROSION POTENTIAL	L
SEDIMENT DELIVERY POTENTIAL	l

Inspection GROUND / VISUAL

Polygon Number 2.3 km on Berenz Rd

Location old logging rd south,
about 0.5 km SSW

GPS Location No. of Sats.

UTM N

E

Latitude N

Longitude W

Elevation 1540 (m)

Flight Line F7 Photo No. 172

Photo (Roll/No.) DD#1 - 8, 9

SLOPE MORPHOLOGY

Slope 25-30% / Degrees
Aspect (N) (NE) E / SE / S / SW / W (NW)
Shape concave / convex / benched / uniform / (irreg)
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y) / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies (Y) / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- discont outcrop forms elongate ridges trending 20-25°
locally irregular hillocks (hummocky)
- creamy w/ granitic rocks (Exene?), weakly foliated, flow-banded
- <1m veneer of Z (minor s) gravelly till

Site No. DD-07
TERRAIN SYMBOL /sg Mv - V
Inspection GROUND/VISUAL
Polygon Number _____
Location 2.3 km on Derenzy Rd.
old logging to south
and west
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1500 (m)
Flight Line L 7 Photo No. 172
Photo (Roll/No.) _____

SLOPE STABILITY CLASS		<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>l</u>

SLOPE MORPHOLOGY
Slope 0-25 % / Degrees
Aspect (N) NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m

SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m 1/100m - 1/30m >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS - ridged o/c of creamy, eg granite / granodiorite, weakly foliated /
± flow-banded

Site No. DD-08
TERRAIN SYMBOL /SLGH / Mw
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.8 km on Derenzy
FSR, old road to the
Int. south, ~350m
GPS Location No. of Sats. _____
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1500 (m)
Flight Line L 7 Photo No. 172
Photo (Roll/No.) DD #1-10, 11

SLOPE STABILITY CLASS		<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL		<u>m</u>

SLOPE MORPHOLOGY
Slope 0-5, 30% / Degrees
Aspect N / NE / E / SE / (S) / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE
Drainage Class R (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m 1/100m - 1/30m >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS - non-stratified, sandy material (70%), pebbles >> cobbles, sub to subang 30° =
- hummock / mound, 30° trend, ... elongate → raised beach?
- low ground to the north, wet w/ stagnant small pools, lake 100m SE
- cut slopes ravel

Site No. DD-09
TERRAIN SYMBOL SLG // ZgM
(FG?) Rh
Inspection GROUND VISUAL
Polygon Number
Location 2.7 km on ELLIS Cr.
(Carm) FSR
- old gravel pit
GPS Location No. of Sats. 4
UTM 5481090 N
0320558 E
Latitude N
Longitude W
Elevation 1130 (m)
Flight Line L5 Photo No. 21
Photo (Roll/No.) DD#1-12,13

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 0-12 ^{40 (rare)} (%) Degrees
Aspect N/NE/E/SE/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- cut slopes unstable, raised beach, non-stratified,
coarse sand (70%), 30% rubble < cobble, subr-suborn
- subr boulders.

Site No. DD-10
TERRAIN SYMBOL Rr // ZgMw
Rh
Inspection GROUND VISUAL
Polygon Number
Location 1.6 km on ELLIS
CR Rd
GPS Location No. of Sats. 3
UTM 5482129 N
0319509 E
Latitude N
Longitude W
Elevation 1050 (m)
Flight Line L5 Photo No. 21
Photo (Roll/No.) DD# -14

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 10-30 ^{locally 45-50%} (%) Degrees
Aspect N/NE/E/SE/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- abundant s/c of foliated Okanogan gneiss

Site No. DD-11
TERRAIN SYMBOL Rc//sg Mw
Rm? (ch)
Inspection GROUND / VISUAL
Polygon Number
Location 9.7 km on
Derry FSR
GPS Location No. of Sats. 3 (weak signal)
UTM 5478016 N
0320800 E
Latitude N
Longitude W
Elevation 1420 (m)
Flight Line L7 Photo No. 178
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>l/m</u>

SLOPE MORPHOLOGY

Slope 40-50% / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
COMMENTS - o/c of light cr granodiorite (Eocene?)
- steep slopes

Site No. DD-12
TERRAIN SYMBOL Z(S)AMB
Inspection GROUND / VISUAL
Polygon Number
Location 9.7 km on
Derry FSR
GPS Location No. of Sats. 3
UTM 5478283 N
0320973 E
Latitude N
Longitude W
Elevation 1400 (m)
Flight Line L7 Photo No. 178
Photo (Roll/No.) DD # 1-15

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>l</u>

SLOPE MORPHOLOGY

Slope 5-15% / Degrees locally 45%
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 15 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
COMMENTS - rare boulders, subana / subbraund, generally gentle slopes

Site No. DD-13
TERRAIN SYMBOL R_s // S_MW
(C/Cr) R_s
Inspection GROUND / VISUAL
Polygon Number
Location 8.5 km on Derehzy Rd, about 850m SSW
GPS Location No. of Sats. 2-3 (weak) - poor GPS
UTM 5477326 N
0321327 E
Latitude N
Longitude W
Elevation 1550 (m)
Flight Line L7 Photo No. 176
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>III - IV</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L-M</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope >70 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m

SOIL DRAINAGE

Drainage Class R/W(M)/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- abundant ridges of granitic rocks
- some colluvium veneer, subangular, sandy till w/ some pebbles

Site No. DD-14
TERRAIN SYMBOL /Rr / Mw
Rr
Inspection GROUND / VISUAL
Polygon Number
Location 8.5 km on Derehzy FSR, about 850m S
GPS Location No. of Sats. 2 weak
UTM 547 307 N
0321621 E
Latitude N
Longitude W
Elevation 1520 (m)
Flight Line L7 Photo No. 176
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>II - III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope >50 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y(N) low relief swampy channel
Stream Class active / ephemeral / buried channel
Distance to Stream <10 m

SOIL DRAINAGE

Drainage Class R/W(M)/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y(N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- o/c of foliated granitoids
- adjacent to about 30-40m wide drainage west, low relief,
wet & swampy, no running water

Site No. DD-15
TERRAIN SYMBOL zg Mb (w?)
Rw
Inspection GROUND/VISUAL
Polygon Number _____
Location 8.8 km on Derehzy
FSR
— about 700m SSE
GPS Location No. of Sats. poor GPS coverage
UTM not reading N
E
Latitude N
Longitude W
Elevation 1530 (m)
Flight Line L7 Photo No. 176
Photo (Roll/No.) DD#1-16

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope < 5-10 % / Degrees
Aspect (N)NE/E/SE/S/SW/W/NW
Shape concave/convex/benched/uniform/irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y(N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y(N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

— very gentle landscape, moss covered, rare boulders/cobbles
subround/cubical, silty till, rare bedrock of granitic rocks

Site No. DD-17
TERRAIN SYMBOL sg CV? / MW
(possible FG?)
Inspection GROUND/VISUAL
Polygon Number _____
Location 5.4 km on
Derehzy FSR
330m @ 50°
GPS Location No. of Sats. _____
UTM 5477490 N
0324078 E
Latitude N
Longitude W
Elevation 1400 (m)
Flight Line _____ Photo No. _____
Photo (Roll/No.) DD#1-19

SLOPE STABILITY CLASS	<u>II-III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 20, 45-50 % / Degrees
Aspect N(NE)E/SE/S/SW/W/NW
Shape concave/convex/benched/uniform/irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/a m

SOIL DRAINAGE

Drainage Class (R)W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y(N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y(N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

— v. coarse sand (50%), 50% p+c some subround boulders locally
— possibly fluvial benches? (subt/subang) poorly consolidated ~ 0.5m
— no d/c, rare subang float (possibly sub d/c?)
— numerous benches, fairly "short" steps, 5 to <10m raise,
'trend' 340 to 360°

Site No. DD-18
TERRAIN SYMBOL zg Mv
Rr
Inspection GROUND/VISUAL
Polygon Number
Location 5.3 km on Decency
~430m @ 230°
GPS Location No. of Sats. 3
UTM 5477148 (N)
0323642 (E)
Latitude N
Longitude W
Elevation 1520 (m)
Flight Line L7 Photo No. 174
Photo (Roll/No.) DD#1-20

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY ridged o/c 50-70% (not common)
Slope 20-30 (%) Degrees
Aspect N (NE) E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream n/a m
SOIL DRAINAGE
Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS o/c cr granitoids, coarse g. vesen to mantle (in areas w/no o/c)
till is silty to sandy, some gravel

Site No. DD-19
TERRAIN SYMBOL sg LG (FG?) //
Mw
Inspection GROUND/VISUAL
Polygon Number
Location 1.0 km on
NORTH fork DECENCY (NE)
- deactivated, ~800m E
GPS Location No. of Sats. 3
UTM 5478593 N
0324577 E
Latitude N
Longitude W
Elevation 1320 (m)
Flight Line L6 Photo No. 200
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY
Slope 5-15 (%) Degrees
Aspect N (NE) E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m
SOIL DRAINAGE
Drainage Class R (W) M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS - logged area about 300 x 400m (on air photo)
- lot larger now, cut slopes unstable (ravel)
- sandy terraces, raised beaches?, about 3-3.5 high
- sand to c. sand, crude stratification,
fine sand (70%) + 30% p+c overlain by c. sand (50%) + 50% p+c
<1% boulders, frags on embankment
- erosional narrow surface - bench channels across old terraces

* Photo #21 not from a polygon

Site No. DD-20
TERRAIN SYMBOL Zg Mv
Rm
Inspection GROUND/VISUAL
Polygon Number _____
Location 1.0 km SE ow
Derezhny FSR, from
NORTH FORK
GPS Location No. of Sats. 4
UTM 5477794 N
0323898 E
Latitude N
Longitude W
Elevation 1450 (m)
Flight Line L7 Photo No. _____
Photo (Roll/No.) DD #1 - 22

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY
Slope 5-10 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / (uniform) / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE
Drainage Class R / (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

LANDSLIDE EVIDENCE Y (N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS - o/c of c.g. feldspar phytic granitoid
- generally gentle slopes

Site No. DD-21
TERRAIN SYMBOL Zg Mw
Inspection GROUND/VISUAL
Polygon Number _____
Location about 650m NE
from Derezhny FSR,
4.2 km from OK Falls junction
GPS Location No. of Sats. 3
UTM 5478014 (N)
0325251 (E)
Latitude N
Longitude W
Elevation 1340 (m)
Flight Line L7 Photo No. 174
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY
Slope <10-15 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / (uniform) / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m

SOIL DRAINAGE
Drainage Class R / (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES
Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

LANDSLIDE EVIDENCE Y (N) 5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS - silty till

Site No. DD-22
TERRAIN SYMBOL Fj - BA
sq Mw
Inspection GROUND VISUAL
Polygon Number
Location about 120m NNE
of DD-17 (on the
Derenzy FSR)
GPS Location No. of Sats. 0
UTM poor GPS N
coverage E
Latitude (wooded area) N
Longitude W
Elevation 1370 (m)
Flight Line L7 Photo No. 174
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>III (IV?)</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2-3</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY

Slope 0-25.70 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform irreg
Length <20m / 20 - 50m 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream < 10 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- to 70% slopes on w side of the drainage, <25% on eastern side
- active channel, gentle relief

Site No. DD-23
TERRAIN SYMBOL sq Mw? / SFG?
Inspection GROUND VISUAL
Polygon Number
Location 3.8 km on
Derenzy FSR
- about 750m SW
GPS Location No. of Sats. 3
UTM 5476835 N
0324619 E
Latitude N
Longitude W
Elevation 1450 (m)
Flight Line L7 Photo No. 174
Photo (Roll/No.) DDH1-23

SLOPE STABILITY CLASS	<u>II (III?)</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>l</u>

SLOPE MORPHOLOGY

Slope 20-30 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform irreg
Length <20m / 20 - 50m / 50 - 100m >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- light grey to orange brown sandy till / glacial?
deposit, non-stratified, moderately indurated

Site No.	DD-24	SLOPE STABILITY CLASS		II
TERRAIN SYMBOL	zgMb	LANDSLIDE SEDIMENT POTENTIAL		1
Inspection	GROUND / VISUAL	SURFACE EROSION POTENTIAL		L
Polygon Number		SEDIMENT DELIVERY POTENTIAL		2
Location	3.8 km on Derenzi FSR	SLOPE MORPHOLOGY		
GPS Location	No. of Sats. 2-3 ← not great coverage	Slope	D-15, 40 % / Degrees	
UTM	5477415 N	Aspect	N / NE / E / SE / S / SW / W / NW	
	0325112 E	Shape	concave / convex / benched / <u>uniform</u> / irreg	
Latitude	N	Length	<20m / 20 - 50m / 50 - 100m / <u>>100m</u>	
Longitude	W	Adjacent to Stream	Y / <u>N</u>	
Elevation	1410 (m)	Stream Class	active / ephemeral / buried channel	
Flight Line	L7 Photo No. 176	Distance to Stream	N/A m	
Photo (Roll/No.)	DD#1-24	SOIL DRAINAGE		
		Drainage Class	R / W / <u>M</u> / I / P / VP	
		Indicators	seepage / sag ponds / damp spots	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active	Y (<u>N</u>)	Landslide Evidence	Y (<u>N</u>) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone			minor / small / medium / large
Gullies	Y (<u>N</u>) <1/100m / 1/100m - 1/30m / >1/30m	Landslide Type	rock fall / debris fall / slump /
Tension Cracks	Y / (<u>N</u>) In Roadbed / In Overburden		earthflow / debris flow / bedrock slide
Indicators	J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N		

COMMENTS - very hard, compacted, well indurated clay till, >50% gravel

Site No.	DD-25	SLOPE STABILITY CLASS		I-II
TERRAIN SYMBOL	Rh / z(s)gMv	LANDSLIDE SEDIMENT POTENTIAL		1
Inspection	GROUND / VISUAL	SURFACE EROSION POTENTIAL		L
Polygon Number		SEDIMENT DELIVERY POTENTIAL		2
Location		SLOPE MORPHOLOGY		
GPS Location	No. of Sats. 3	Slope	0-25% / Degrees	
UTM	5476886 N	Aspect	N / NE / E / SE / S / SW / W / NW	
	0326703 E	Shape	concave / convex / <u>benched</u> / uniform / irreg	
Latitude	N	Length	<20m / 20 - 50m / 50 - 100m / >100m	
Longitude	W	Adjacent to Stream	Y / <u>N</u>	
Elevation	1450 (m)	Stream Class	active / ephemeral / buried channel	
Flight Line	L7 Photo No. 172	Distance to Stream	m	
Photo (Roll/No.)		SOIL DRAINAGE		
		Drainage Class	R / <u>W</u> / M / I / P / VP	
		Indicators	seepage / sag ponds / damp spots	
		Indicator Plants		

GEOMORPHOLOGICAL PROCESSES

Active	Y / (<u>N</u>)	Landslide Evidence	Y (<u>N</u>) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone			minor / small / medium / large
Gullies	Y / (<u>N</u>) <1/100m / 1/100m - 1/30m / >1/30m	Landslide Type	rock fall / debris fall / slump /
Tension Cracks	Y / (<u>N</u>) In Roadbed / In Overburden		earthflow / debris flow / bedrock slide
Indicators	J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N		

COMMENTS silty to sandy till, gravel component ~ 50-60%
generally hummocky terrain, o/c c.g. or granitoids (Eocene?)

Site No. DD-26
TERRAIN SYMBOL LG (FG?) / Mw
Rh
Inspection GROUND / VISUAL
Polygon Number _____
Location on Derezy FSR
GPS Location No. of Sats. 1-2 satellites
UTM poor GPS coverage N
E
Latitude N
Longitude W
Elevation 1470 (m)
Flight Line L 7 Photo No. 172
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 0-5 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Tension Cracks Y (N) In Roadbed / In Overburden Landslide Type minor / small / medium / large
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

- raised beach? small bench non-stratified c. sandy gravel (LG? or glaciofluvial?), cut slope unstable (ravels)

Site No. DD-27
TERRAIN SYMBOL LG? / Mw
(GF)
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.7 km on Derezy FSR, 400m NNE
GPS Location No. of Sats. 5
UTM 5476550 N
0327347 E
Latitude N
Longitude W
Elevation 1440 (m)
Flight Line L 7 Photo No. 172
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope < 5-10 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20-50m / 50-100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Tension Cracks Y (N) In Roadbed / In Overburden Landslide Type minor / small / medium / large
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Type rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

- small lake and swampy ground 150-250 m SE
- should be included in "LG polygons"
- very weakly developed bedding, c. sandy layers with >50% fine interbedded with finer sandy layers w/ 20-30% p.c
- absence of b
- sandy bench ~ 3-6 m high

Site No. DD-28
TERRAIN SYMBOL SG FA
FG - E
Inspection GROUND / VISUAL
Polygon Number 2.0 km on
location ELLIS Cr. FSR
GPS Location No. of Sats. 3
UTM 548 4441 N
0329 525 E
Latitude N
Longitude W
Elevation 1350 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.) DD #2-1

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1-2(?)</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream <5 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

- flowing channel, sandy gravels, dominant by fluvial /
and glacio-fluvial

Site No. DD-29
TERRAIN SYMBOL SG (LG?)
Inspection GROUND / VISUAL
Polygon Number
Location 2.3 km on ELLIS
CR, at junction
w/ old logging rd N
GPS Location No. of Sats. 3-4
UTM 548 4649 N
0329 266 E
Latitude N
Longitude W
Elevation 1380 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.) DD #2-2

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope <5, 15 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees

Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y / N Windthrow Y / N

COMMENTS

- orange br to med fine sand, <5% c.p., non-stratified,
low relief, gentle tops

Site No. DD-30
TERRAIN SYMBOL sFG
M6
Inspection GROUND / VISUAL
Polygon Number
Location 2.8 km on
Ellis Creek FSR
GPS Location No. of Sats. 3
UTM 5484684N
0328761E
Latitude N
Longitude W
Elevation 1400 (m)
Flight Line L4 Photo No. 43
Photo (Roll/No.) DD#2-3,4,5

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY <70%
Slope 0-5 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 10 m

SOIL DRAINAGE
Drainage Class R/W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS - terrace - kame? esker? narrow w/ steep slopes ~70%
clean, creamy, fine sand, <5% c, non-stratified, about 2.5-3 m high

Site No. DD-31
TERRAIN SYMBOL zgM
Rf
Inspection GROUND / VISUAL
Polygon Number
Location 4.1 km on Ellis
CR. Road
GPS Location No. of Sats. 4
UTM 5484139 N
0327442 E
Latitude N
Longitude W
Elevation 1430 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD#2-6

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>l</u>

SLOPE MORPHOLOGY
Slope <5-20 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE
Drainage Class R/W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Landslide Evidence Y (N) 5yr / 5-20yr / 20-100yr / >100yr
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS - v/c to sub/c of creamy c g granitoids, "small" benches
- very thin till cover, silty gravel

Site No. DD-32
TERRAIN SYMBOL zgMv
R+
Inspection GROUND/VISUAL
Polygon Number
Location 4.1 km on ELLIS
CR FSR
GPS Location No. of Sats. 3
UTM 548 4202N
0327779E
Latitude N
Longitude W
Elevation m / f
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD #2-7

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY
Slope 20 <5-10 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N 35yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- abundant o/c thin veneer of
undulating, gentle topo zgMv

Site No. DD-33
TERRAIN SYMBOL zgMv
R+
Inspection GROUND/VISUAL
Polygon Number
Location 4.1 km on ELLIS
CR FSR
GPS Location No. of Sats.
UTM 548 4504N
0327793E
Latitude N
Longitude W
Elevation 1430 (m) f
Flight Line L4 Photo No. 46
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY
Slope <10 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE
Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N 35yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No. DD-34
TERRAIN SYMBOL Sg FG-EV
Inspection GROUND / VISUAL
Polygon Number _____
Location 4.1 km on ELLIS
CR FSR
GPS Location No. of Sats. _____
UTM 548 4586 N
0327574 E
Latitude _____ N
Longitude _____ W
Elevation 1460 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD#2-B

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L-M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L-m</u>

SLOPE MORPHOLOGY

35-40
Slope <5-15% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 5 m old narrow channel

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Tension Cracks Y(N) In Roadbed / In Overburden Landslide Type rock fall / debris fall / slump /
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N earthflow / debris flow / bedrock slide

COMMENTS

- steeper than block to the south, hummocky, abundant large erratics,

Site No. DD-35
TERRAIN SYMBOL Sg MV
R+ (?)
Inspection GROUND / VISUAL
Polygon Number _____
Location 5.0 km on ELLIS
CR FSR about 80m
from turn-off NORTH (Lower Bobcat?)
GPS Location No. of Sats. 6
UTM 548 4177 N
0326708 E
Latitude _____ N
Longitude _____ W
Elevation 1500 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

<10-20% Degrees
Slope <10-20% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irregi
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream _____ m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Tension Cracks Y(N) In Roadbed / In Overburden Landslide Type rock fall / debris fall / slump /
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N earthflow / debris flow / bedrock slide

COMMENTS

sub o/c c.g. or granitoid, sandy till

Site No. DD-36
TERRAIN SYMBOL Sg Mv
Rw
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.3 km on L. Bobcat
FSR
GPS Location No. of Sats. 6
UTM 548 44 88 N
0326 501 E
Latitude N
Longitude W
Elevation 1540 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD #2-9

SLOPE STABILITY CLASS	<u>I - II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-15 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- lots of bedrock of cr. c.g. granitoids

Site No. DD-37
TERRAIN SYMBOL Zg Mv
Rh (m?)
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.8 km on L.
Bobcat FSR
GPS Location No. of Sats. 4
UTM 548 4922 N
0326 608 E
Latitude N
Longitude W
Elevation 1590 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-15 (%) Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N 5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- c.g. to pegmatitic granitoids, silty gravelly till

Site No. DD-38
TERRAIN SYMBOL sg LG (#G?)
Mw(b')
Inspection GROUND / VISUAL
Polygon Number _____
Location 2.2 km on L. Bobcat
FSR
GPS Location No. of Sats. 6
UTM 5485 823 N
0327 692 E
Latitude N
Longitude W
Elevation 1500 (m)
Flight Line L3 Photo No. 74
Photo (Roll/No.) DD#2-10, 11

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L/m</u>

SLOPE MORPHOLOGY

Slope 5-15 % Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y)N
Stream Class active ephemeral / buried channel
Distance to Stream 8-10m

SOIL DRAINAGE

Drainage Class R (W/M/I/P/VP)
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active (Y)N Landslide Evidence (Y)N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies (Y)N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks (Y)N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- coarse sandy gravel, non-stratified, raised beach? /
glaciofluvial?

Site No. DD-39
TERRAIN SYMBOL sg LG (#G?)
Inspection GROUND / VISUAL
Polygon Number _____
Location 3.4 km on L:
Bobcat FSR
GPS Location No. of Sats. 4 (675)
UTM 5486 571 N
0328 533 E
Latitude 48°5' N
Longitude W
Elevation 1630 (m)
Flight Line L3 Photo No. 74
Photo (Roll/No.) DD#2-12, 13, 14

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 5-20% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y)N
Stream Class active / ephemeral / buried channel
Distance to Stream 15 m

SOIL DRAINAGE

Drainage Class R (W/M/I/P/VP)
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active (Y)N Landslide Evidence (Y)N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies (Y)N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks (Y)N In Roadbed / In Overburden some also active run-out earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- fluvial glacial terraces, non-stratified coarse sand w/
large gravel component

Site No. DD-40
TERRAIN SYMBOL Sg FG
Mw
Inspection GROUND VISUAL
Polygon Number _____
Location end of the L.
Bobcat FSR - at 5.5 km
GPS Location No. of Sats. 5
UTM 5488179 N
0329346 E
Latitude N
Longitude W
Elevation 1660 (m)
Flight Line L2 Photo No. 96
Photo (Roll/No.) DD #2 - 15

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L-M</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-15% / Degrees
Aspect N / NE / E (SE) S / SW / W / NW
Shape concave / convex / benched / (uniform) / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

weakly developed bedding, fine sand (<5% p.g.) interbedded
w/ coarser sandy (50% sand, 50% pebble + cobble) units

Site No. DD-41
TERRAIN SYMBOL SLG / FG (?)
Inspection GROUND / VISUAL
Polygon Number _____
Location @ 120° from DD-39
down to the drainage
(200m uncorrected)
GPS Location No. of Sats. 4
UTM 5486545 N
0328637 E
Latitude N
Longitude W
Elevation 1590 (m)
Flight Line L3 Photo No. 74
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II / III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 35-45°
Slope 0-5, (%) Degrees
Aspect N / NE / E (SE) S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream 0 m

SOIL DRAINAGE

Drainage Class R (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

glaciofluvial / lastrine? benches, c. sand

Date: Aug 13/00
Surveyor: DD

Site No. DD-42
TERRAIN SYMBOL sg Mv
Rw
Inspection GROUND/VISUAL
Polygon Number
Location 2.2km on L. Bobcat
FSR, NW of the road
about 300m (unicorn)
GPS Location No. of Sats. 4
UTM 5486170 N
0327566 E
Latitude N
Longitude W
Elevation 1630 (m)
Flight Line L3 Photo No. 74
Photo (Roll/No.)

SLOPE STABILITY CLASS	I
LANDSLIDE SEDIMENT POTENTIAL	1
SURFACE EROSION POTENTIAL	L
SEDIMENT DELIVERY POTENTIAL	2

SLOPE MORPHOLOGY

Slope 0-10 (%) Degrees
Aspect N / NE / E (SE) S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m (>100m)
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream N/A m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DD-43
TERRAIN SYMBOL zg Mb
Inspection GROUND/VISUAL
Polygon Number
Location 2.5km on L. Bobcat
FSR, ~ 350m @ 20°
GPS Location No. of Sats. poor GPS coverage
UTM in wooded N
area E
Latitude - no reading N
Longitude W
Elevation 1550 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.)

SLOPE STABILITY CLASS	I
LANDSLIDE SEDIMENT POTENTIAL	1
SURFACE EROSION POTENTIAL	L
SEDIMENT DELIVERY POTENTIAL	2

SLOPE MORPHOLOGY

Slope 5-10 (%) Degrees
Aspect N / NE / E (SE) S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

low relief area, moss covered, no o/c
- subang boulders

Site No. DD-44
TERRAIN SYMBOL sgfg (LG?)
Inspection GROUND/VISUAL
Polygon Number
Location 1.3 km on L. Bobcat Cr. Road
GPS Location
No. of Sats. only 2
UTM no reading N
E
Latitude N
Longitude W
Elevation 1570 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD#2-16

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 10-15% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

glaciofluvial bench - sandy gravel, non-stratified

Site No. DD-45
TERRAIN SYMBOL On
MB
Inspection GROUND/VISUAL
Polygon Number
Location 1.2 km on Ellis Creek FSR from O.K. Fall FSR
GPS Location
No. of Sats. 2-3
UTM 5483962 N
0330038 E
Latitude N
Longitude W
Elevation 1300 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 0-10 % Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream <5m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

swampy, low relief area, fluvial glacial benches, E & W of the drainage

Site No. DD-46

TERRAIN SYMBOL S FG
MB

Inspection GROUND / VISUAL

Polygon Number _____

Location 1.3 km on ELLIS
CR. FSE from OK
Fall FSE turn off

GPS Location No. of Sats. 3 (not great reading)
UTM 548 4025 N
0329945 E
Latitude N
Longitude W

Elevation 1310 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.) DD #2-1710

SLOPE STABILITY CLASS		<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>2</u>
SURFACE EROSION POTENTIAL		<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL		<u>m</u>

SLOPE MORPHOLOGY

Slope 0-40% Degrees
Aspect N/NE/E/SE/S SW/W/NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 100 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N Initiation Zone / Run-out Zone
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

LANDSLIDE EVIDENCE Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS - cut slope is unstable (ravel/s), non-stratified fine
sand, lack of ptc (<5%)

Site No. DD-47

TERRAIN SYMBOL SFG?

Inspection GROUND / VISUAL

Polygon Number _____

Location 1.4 km on ELLIS CR
FSE, road to SW,
0.2 km

GPS Location No. of Sats. 4
UTM 5483905 N
0329727 E
Latitude N
Longitude W

Elevation 1300 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.) DD #2-19

SLOPE STABILITY CLASS		<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL		<u>1</u>
SURFACE EROSION POTENTIAL		<u>L</u>
SEDIMENT DELIVERY POTENTIAL		<u>2</u>

SLOPE MORPHOLOGY

Slope 0-51% Degrees
Aspect N/NE/E/SE/S SW/W/NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y(N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

LANDSLIDE EVIDENCE Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS similar to DD-46, appear to be FG, fine sand
devoid of coarser fraction, generally low relief w/ narrow
benches? / mounds

Site No. DD-48
TERRAIN SYMBOL Sg FG + Mb
Inspection GROUND / VISUAL
Polygon Number _____
Location Km on ELLIS CC FSR, road to south
GPS Location No. of Sats. 4
UTM 5484143 N
0328321 E
Latitude N
Longitude W
Elevation 1370 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) DD# 2-21

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5/30% / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type _____
Tension Cracks Y (N) In Roadbed / In Overburden _____
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- benches of fluvial origin (?) to the south of
- terraced terrain of Mv on top of bedrock, has strat sandy grav

Site No. DD-49
TERRAIN SYMBOL zg Mv. R+
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.8 km on L: Bobcat FSR, ~400m @ 100°
GPS Location No. of Sats. 4
UTM 5484928 N
0327062 E
Latitude N
Longitude W
Elevation 1510 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I - II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>4</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5, 30% / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type _____
Tension Cracks Y (N) In Roadbed / In Overburden _____
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

angular to subangular boulders, subangular/ angular float
appears fairly local (subloc), o/c exposed about 200m on E traverse
- terraced top
- well indurated, compact silty till (M)

Site No. DD-50
TERRAIN SYMBOL Sg F-A
SFG
Inspection GROUND / VISUAL
Polygon Number Km
Location 2.8 on ELVIS
CR FSR from
L. Bobcat FSR turn-off
GPS Location No. of Sats. 6
UTM 5485784 N
0325340 E
Latitude N
Longitude W
Elevation 1480 (m)
Flight Line L3 Photo No. 76
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>H</u>
SEDIMENT DELIVERY POTENTIAL	<u>h</u>

SLOPE MORPHOLOGY
Slope 40-45°
0-5 (%) Degrees
Aspect N / NE (E) / SE / S / SW (W) / NW
Shape concave / convex / benched (uniform) / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y) / N
Stream Class (active) / ephemeral / buried channel
Distance to Stream m
SOIL DRAINAGE
Drainage Class R / (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

Site No. DD-51
TERRAIN SYMBOL S FG
Mb (?)
Inspection (GROUND) VISUAL
Polygon Number
Location 2.8 Km on ELVIS CR
FSR from L. Bobcat
FSR
GPS Location No. of Sats. 6
UTM 5485794 N
0325303 E
Latitude N
Longitude W
Elevation 1480 (m)
Flight Line L3 Photo No. 76
Photo (Roll/No.) DD #2 - 22, 23

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M / H</u>
SEDIMENT DELIVERY POTENTIAL	<u>m / h</u>

SLOPE MORPHOLOGY
Slope <5, 25
(%) Degrees
Aspect N / NE / E / (SE) / S / SW / W / NW
Shape concave / convex / (benched) / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream (Y) / N
Stream Class (active) / ephemeral / buried channel
Distance to Stream 35 m
SOIL DRAINAGE
Drainage Class R / (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- cut slope is unstable (ravels), weakly stratified,
creating fine sand (<5% P, C) with coarser sand, more
gravelly

- lost my shovel ∴ no dug holes on the pictures

Site No. DD-52
TERRAIN SYMBOL Sg FG+

Inspection GROUND VISUAL

Polygon Number

Location 0.4 km on Bobcat FSR

GPS Location No. of Sats. 5

UTM 5485843 N

0324802 E

Latitude N

Longitude W

Elevation 1520 (m)

Flight Line L3 Photo No. 76

Photo (Roll/No.) DD #2-23

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Initiation Zone / Run-out Zone

Gullies Y (N)

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y (N)

In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees

COMMENTS

- fluvial glacial terraces

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1-</u>
SURFACE EROSION POTENTIAL	<u>LM</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5, 35% Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W/M/I/P/VP)

Indicators seepage / sag ponds / damp spots

Indicator Plants

Landslide Evidence

Y (N) <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Y/N Windthrow Y/N

Site No. DD-53
TERRAIN SYMBOL Mv
Rr

Inspection GROUND / VISUAL

Polygon Number

Location 1.2 km on Bobcat FSR <100m west of road

GPS Location No. of Sats. 4

UTM 5486569 N

0324875 E

Latitude N

Longitude W

Elevation 1600 (m)

Flight Line L3 Photo No. 76

Photo (Roll/No.)

GEOMORPHOLOGICAL PROCESSES

Active Y (N)

Initiation Zone / Run-out Zone

Gullies Y (N)

<1/100m / 1/100m - 1/30m / >1/30m

Tension Cracks Y (N)

In Roadbed / In Overburden

Indicators J-Trees Y/N

Jackstrawed Trees Y/N

Split Trees Y/N

Windthrow Y/N

COMMENTS

- partly wet swampy ground in flatter area
- o/c granitic rocks (Cretaceous?)

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 25, 70% Degrees

Aspect N/NE/E/SE/S/SW/W/NW

Shape concave / convex / benched / uniform / irreg

Length <20m / 20 - 50m / 50 - 100m / >100m

Adjacent to Stream Y/N

Stream Class active / ephemeral / buried channel

Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W/M/I/P/VP)

Indicators seepage / sag ponds / damp spots

Indicator Plants

Landslide Evidence

Y (N) <5yr / 5-20yr / 20-100yr / >100yr

minor / small / medium / large

Landslide Type

rock fall / debris fall / slump /

earthflow / debris flow / bedrock slide

Date Aug 14/00
Surveyor DD

Site No. DD-54
TERRAIN SYMBOL SFG
Inspection GROUND VISUAL
Polygon Number _____
Location 1.35 km on
Bobcat FSR
GPS Location No. of Sats. 4-5
UTM 548 6620 N
0325044 E
Latitude N
Longitude W
Elevation 1580 m/l
Flight Line L3 Photo No. 76
Photo (Roll/No.) DD#2-24, #3-1

SLOPE STABILITY CLASS	<u>II - III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1-2</u>
SURFACE EROSION POTENTIAL	<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 0-25 Degrees
Aspect N/NE/E/SE(S)SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R(W/M)/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y(N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

fluvial terrace, poorly developed stratification,
dom. sand w/ <20% pgs, no boulders...

Site No. DD-55
TERRAIN SYMBOL SFG
Inspection GROUND VISUAL
Polygon Number _____
Location 1.9 km on
Bobcat FSR
GPS Location No. of Sats. 4
UTM 548 7063 N
0325409 E
Latitude N
Longitude W
Elevation 1590 (m)/l
Flight Line L3 Photo No. 76
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-15 Degrees
Aspect N/NE/E/SE(S)SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R(W/M)/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y(N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- low relief, partly benched, fine sand LG, <5% pgs

544/55

Site No. DD-56
TERRAIN SYMBOL Sg FG(2)
Mb
Inspection GROUND VISUAL
Polygon Number _____
Location 2.6 km on
Bobcat FSR
(easterly branch)
GPS Location No. of Sats. 4
UTM 5487002 N
0326073 E
Latitude N
Longitude W
Elevation 1600 (m)
Flight Line L3 Photo No. 76
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-10% / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W / M / I / P / VP)
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type _____
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y (N) Jackstrawed Trees Y (N) Split Trees _____

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y (N) Windthrow Y (N)

COMMENTS

- small fluvial bench

Site No. DD-57
TERRAIN SYMBOL Sg FG-E
Inspection GROUND VISUAL
Polygon Number _____
Location 3.1 km on Bobcat
FSR
GPS Location No. of Sats. 5
UTM 5487127 N
0326469 E
Latitude N
Longitude W
Elevation 1605 (m)
Flight Line L3 Photo No. 76
Photo (Roll/No.) DD #3-2

SLOPE STABILITY CLASS	<u>II-III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M-H</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 5 30-40 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W / M / I / P / VP)
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

partly buried
some fluvial cut in the road

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type _____
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y (N) Jackstrawed Trees Y (N) Split Trees _____

Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide
Y (N) Windthrow Y (N)

COMMENTS

4-5 m high fluvial benches
- some erosional problems on the road, recently
logged area

Date Aug 14/00
Surveyor JD

Site No. DD-58
TERRAIN SYMBOL Rr / zg Mv
Inspection GROUND / VISUAL
Polygon Number _____
Location 4.4 km on
Bobcat FSR
(easterly branch)
GPS Location No. of Sats. 4
UTM 5488182 N
0326816 E
Latitude N
Longitude W
Elevation 1730 (m)
Flight Line L2 Photo No. 98
Photo (Roll/No.) DD #3 - 2

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-25% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- abundant o/c of coarse to pegmatitic granite

Site No. DD-59
TERRAIN SYMBOL S(Sg) FG
M6
Inspection GROUND / VISUAL
Polygon Number _____
Location 1.1 km on Bobcat
FSR, from the fork
where FSR branches N and E
GPS Location No. of Sats. 4-5
UTM 5488128 N
0325577 E
Latitude N
Longitude W
Elevation 1660 (m)
Flight Line L2 Photo No. 98
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M/H</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 30
0-10% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream 25-30m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N
Initiation Zone / Run-out Zone _____
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y / N In Roadbed / In Overburden
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N
Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- cut slope is unstable, recent logging in the area,
erosional gullies in the road, 2-3 water bars < 100m
- non-stratified pebbly sand

Site No. DD-60
TERRAIN SYMBOL Zg Mv
R
Inspection GROUND/VISUAL
Polygon Number
Location 1.1 km on Bobcat
FSR (#100)
GPS Location No. of Sats. 3-4
UTM 5488199 N
0325417 E
Latitude N
Longitude W
Elevation 1680 (m)
Flight Line L2 Photo No. 98
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-30 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- abundant R - granite, cr. coarse gr., silty to sandy gravel (Mv)

Site No. DD-61
TERRAIN SYMBOL Sg Mv
R
Inspection GROUND/VISUAL
Polygon Number
Location 1.5 km on Bobcat
FSR, northern branch (#100)
(from junction w/ eastern)
GPS Location No. of Sats.
UTM 5488303 N
0325959 E
Latitude N
Longitude W
Elevation 1690 (m)
Flight Line L2 Photo No. 99
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>I</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 10-25 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- some o/c exposed along the road, sandy till over

Date Aug 14/00
Surveyor DD

Site No. DD-62
TERRAIN SYMBOL Sg FG
Inspection GROUND VISUAL
Polygon Number _____
Location 0.8 km from the junction w/ Bobcat FSR, on ELLIS CR. FSR
GPS Location No. of Sats. 5
UTM 5485388 N
0324565 E
Latitude _____ N
Longitude _____ W
Elevation 1460 (m)
Flight Line L3 Photo No. 76
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I - II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>2</u>
SURFACE EROSION POTENTIAL	<u>M/H</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 5-25 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 30 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone _____
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

- cut slopes are unstable

Site No. DD-63
TERRAIN SYMBOL Rr / zg Mv
Inspection GROUND VISUAL
Polygon Number _____
Location 1.2 km on ELLIS CR FSR, from Bobcat FSR junction
GPS Location No. of Sats. poor GPS coverage
UTM _____ N
_____ E
Latitude _____ N
Longitude _____ W
Elevation 1480 (m)
Flight Line L4 Photo No. 46
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I - II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 40-50 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream _____ m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y/N
Initiation Zone / Run-out Zone _____
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y/N In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Landslide Type minor / small / medium / large
rock fall / debris fall / slump / earthflow / debris flow / bedrock slide

COMMENTS

- abundant o/c of granitic rocks, partly ridged

Site No. DD-64
TERRAIN SYMBOL sg Mv
Inspection GROUND VISUAL
Polygon Number _____
Location 3.6 km. on ELLIS CREEK
Lead from Bobcat FSR
junction
GPS Location No. of Sats. 2-3 week
UTM 5485967 N
0323143 E
Latitude N
Longitude W
Elevation 1470 (m)
Flight Line L3 Photo No. 78
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-10 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

sandy gravelly till

Site No. DD-65
TERRAIN SYMBOL sg Mv
R
Inspection GROUND / VISUAL
Polygon Number _____
Location 5.1 km on ELLIS CR
FSR from Bobcat
FSR junction
GPS Location No. of Sats. 3
UTM 5487226 N
0323371 E
Latitude N
Longitude W
Elevation 1480 (m)
Flight Line L3 Photo No. 78
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-25 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

sandy-gravelly till, locally on granitic bedrock

END OF
THE STUDY
AREA

Site No. DD-66
TERRAIN SYMBOL R₊/sgMv
Inspection GROUND VISUAL
Polygon Number _____
Location 4.3km on ELLIS CR
FSL (measured from
Bobcat FSL junction)
GPS Location No. of Sats. 4
UTM 5486745N
0323604E
Latitude N
Longitude W
Elevation 1550 (m)
Flight Line L3 Photo No. 78
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>III</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1/2</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m</u>

SLOPE MORPHOLOGY

Slope 0-5 (°) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- steep rocky ridge 7.70%

Site No. DD-67
TERRAIN SYMBOL sg Mv
Rw
Inspection GROUND VISUAL
Polygon Number _____
Location about 200m south
of DD-66
GPS Location No. of Sats. 3
UTM 5486505 N
0323610 E
Latitude N
Longitude W
Elevation 1540 (m)
Flight Line L3 Photo No. 78
Photo (Roll/No.) DD#3-3

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-10 (°) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- some o/c present

Site No. DD-68
TERRAIN SYMBOL zg Mb?
Inspection GROUND VISUAL
Polygon Number _____
Location 0.5 km on
ELLIS - CARM FSR
GPS Location No. of Sats. 4
UTM 5483895 N
0330622 E
Latitude N
Longitude W
Elevation 1320 (m)
Flight Line L4 Photo No. 48
Photo (Roll/No.) DD #3-4

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S (SW) / W / NW
Shape concave / convex / benched (uniform) / irreg
Length <20m / 20 - 50m / 50 - 100m >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 15 m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- adjacent to swampy, wet channel, about 20m
wide, no mudding H2O; SILTY GRAVEL (Mb)

Site No. DD-69
TERRAIN SYMBOL SLG(?) FG-E
Inspection GROUND VISUAL
Polygon Number _____
Location 1.1 km on ELLIS -
CARM FSR
GPS Location No. of Sats. _____
UTM 5484442 N
0330728 E
Latitude N
Longitude W
Elevation 1320 (m)
Flight Line L4 Photo No. 50
Photo (Roll/No.) DD #3-5

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S (SW) / W / NW
Shape concave / convex (benched) / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m >100m
Adjacent to Stream Y/N
Stream Class active ephemeral / buried channel
Distance to Stream 70-80m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- fine sand w/ <3% p+c, lacustrine?

Site No. DD-70
TERRAIN SYMBOL S FG (LG?)
Inspection GROUND VISUAL
Polygon Number _____
Location 1.8 km ON
ELLIS CARM FSR
GPS Location No. of Sats. 5
UTM 5484852 N
0330947 E
Latitude _____ N
Longitude _____ W
Elevation 1340 (m)
Flight Line L4 Photo No. 50
Photo (Roll/No.) DD# 3-6,7

SLOPE STABILITY CLASS	I - II
LANDSLIDE SEDIMENT POTENTIAL	1
SURFACE EROSION POTENTIAL	L
SEDIMENT DELIVERY POTENTIAL	2

SLOPE MORPHOLOGY

Slope <5-15% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream _____ m

SOIL DRAINAGE

Drainage Class R (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- fairly f. to m sand, lack of p.c (<10%), loose fine?
- non-stratified, at slope is unstable (ravels)

Site No. DD-71
TERRAIN SYMBOL Sg FG-E
Inspection GROUND VISUAL
Polygon Number _____
Location 2.9 km ON
ELLIS-CARM FSR
GPS Location No. of Sats. 4
UTM 5485400 N
0331151 E
Latitude _____ N
Longitude _____ W
Elevation 1360 (m)
Flight Line L4 Photo No. 50
Photo (Roll/No.) DD# 3-8,9

SLOPE STABILITY CLASS	I - II
LANDSLIDE SEDIMENT POTENTIAL	2
SURFACE EROSION POTENTIAL	M/H
SEDIMENT DELIVERY POTENTIAL	m/h

SLOPE MORPHOLOGY

Slope 5-25% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream 15 m

SOIL DRAINAGE

Drainage Class R (W) / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- coarse sandy gravel, glaciofluvial, non-stratified

Site No. DD-72
TERRAIN SYMBOL Sg FG-E
Inspection GROUND VISUAL
Polygon Number _____
Location on ELLIS CARM
FSR
GPS Location No. of Sats. 4
UTM 5485665 N
0330754 E
Latitude N
Longitude W
Elevation 1400 (m)
Flight Line L3 Photo No. 72
Photo (Roll/No.) DD #3-10

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope <5-10 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex (benched) / uniform / irreg
Length <20m / 20 - 50m / (50 - 100m) / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type minor / small / medium / large
Tension Cracks Y(N) In Roadbed / In Overburden rock fall / debris fall / slump /
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

- coarse sandy gravel (FG), ravel

Site No. DD-73
TERRAIN SYMBOL SLG(?) FG
Inspection GROUND VISUAL
Polygon Number _____
Location 4.7 km on
ELLIS - Carm FSR
GPS Location No. of Sats. 4
UTM 5486321 N
0330578 E
Latitude N
Longitude W
Elevation 1450 (m)
Flight Line L3 Photo No. 78
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-10 (%) Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex (benched) / uniform / irreg
Length <20m / 20 - 50m / (50 - 100m) / >100m
Adjacent to Stream Y(N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y(N) Initiation Zone / Run-out Zone
Landslide Evidence Y(N) <5yr / 5-20yr / 20-100yr / >100yr
Gullies Y(N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type minor / small / medium / large
Tension Cracks Y(N) In Roadbed / In Overburden rock fall / debris fall / slump /
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N earthflow / debris flow / bedrock slide
Windthrow Y/N

COMMENTS

fine sand, <3% ptc, appears to be lacustrine

Site No. DD-74
TERRAIN SYMBOL Sg FG
Inspection GROUND / VISUAL
Polygon Number _____
Location 5.4 km on
ELLIS-CARM
GPS Location No. of Sats. 3-4
UTM 5486 499 N
0331125 E
Latitude N
Longitude W
Elevation 1490 (m)
Flight Line L3 Photo No. 72
Photo (Roll/No.) DD#3-11

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 10-20% / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- medium c. sand (60%), 40% subr / Amber P.C.,
rare subr b, poorly stratified

Site No. DD-75
TERRAIN SYMBOL Sg FG h-EV
Inspection GROUND / VISUAL
Polygon Number _____
Location 6.8 km on ELLIS
CARM, FSR
GPS Location No. of Sats. _____
UTM 5487263 N
0331461 E
Latitude N
Longitude W
Elevation 1560 (m)
Flight Line L3 Photo No. 70
Photo (Roll/No.) DD#3-12, 13

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 0-5 30-40 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y / N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y / N Landslide Evidence Y / N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y / N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

coarse sandy gravel > 50% p.c.b
"small" gullies formerly red-water channels, some swampy ground
in wider areas
- hummocky top

Site No. DD-76
TERRAIN SYMBOL Rk/Mv
(zg)
Inspection GROUND VISUAL
Polygon Number
Location 7.8 km on
ELLIS CARMITER
(East 0.8 km on "old" logging rd)
GPS Location No. of Sats. 4
UTM 5487865 N
0332091 E
Latitude N
Longitude W
Elevation 1570 (m)
Flight Line L3 Photo No. 70
Photo (Roll/No.) DD #3-14

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope <5 25-30% / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

lots of o/c of c.g. locally pegmatitic granites,
silty gravel (M)

Site No. DD-77
TERRAIN SYMBOL /SFGj-E
Mb
Inspection GROUND VISUAL
Polygon Number
Location 0.6 km on Lower
ELLIS CARMITER
GPS Location No. of Sats. 4
UTM 5487337 N
0330630 E
Latitude N
Longitude W
Elevation 1540 (m)
Flight Line L3 Photo No. 72
Photo (Roll/No.)

SLOPE STABILITY CLASS	<u>I-II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-10 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y/N
Stream Class active / ephemeral / buried channel
Distance to Stream 15 m

SOIL DRAINAGE

Drainage Class R/W/M/I/P/VP
Indicators seepage / sag ponds / damp spots
Indicator Plants

GEOMORPHOLOGICAL PROCESSES

Active Y/N Landslide Evidence Y/N <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y/N <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y/N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

< gravel
- fine sandy w/ (70% f. sand, 30% pc) of glaciofluvial
origin? (within 15m from drainage), poorly compacted
- no high terraces developed as seen to the east,

Site No. DD-78
TERRAIN SYMBOL zg Mb
Inspection GROUND VISUAL
Polygon Number _____
Location 2.0 km on Lower
ELLIS - CARM FSR
GPS Location No. of Sats. 4
UTM 5488774 N
0330355 E
Latitude N
Longitude W
Elevation 1630 (m)
Flight Line L2 Photo No. 94
Photo (Roll/No.) DD#3-15

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5, 15% / Degrees
Aspect N / NE / E / SE (S) SW / W / NW
Shape concave / convex (benched) / uniform / irreg
Length <20m / 20 - 50m (50 - 100m) / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- well indurated, hard, silty (partly sandy) gravel
(CM)

Site No. DD-79
TERRAIN SYMBOL z / Mb
Inspection GROUND VISUAL
Polygon Number _____
Location 2.0 km on L:
ELLIS - CARM FSR
GPS Location No. of Sats. 4
UTM 5488748 N
0330366 E
Latitude N
Longitude W
Elevation 1630 (m)
Flight Line L2 Photo No. 94
Photo (Roll/No.) DD#3-16

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>VL</u>
SEDIMENT DELIVERY POTENTIAL	<u>VL</u>

SLOPE MORPHOLOGY

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class N/A
Indicators R / W / M / P / VP
Indicator Plants seepage / sag ponds / damp spots

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- field of large boulders -> boulder train, subround

Site No. DD-80
TERRAIN SYMBOL Sq. MW
Ru
Inspection GROUND/VISUAL
Polygon Number _____
Location 2.8 km on
L. ELLIS - Carmi
FSP
GPS Location No. of Sats. _____
UTM 5489125 N
0330974 E
Latitude N
Longitude W
Elevation 1690 (m)
Flight Line _____ Photo No. _____
Photo (Roll/No.) DD #3-17

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope <5-10 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

hard, well compacted silty/sandy gravel (M),
some o/c of foliated, m.g. granitic gneisses

Site No. DD-81
TERRAIN SYMBOL /LG
Mj
Inspection GROUND/VISUAL
Polygon Number _____
Location at the junction
of ELLIS and O.K.
Falls FSP's
GPS Location No. of Sats. _____
UTM 5482901 N
0330754 E
Latitude N
Longitude W
Elevation 1300 (m)
Flight Line L 5 Photo No. 13
Photo (Roll/No.) DD #3-18

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-10 % / Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R/W (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N

COMMENTS

- several small mounds, fine sand with <10-20% ptc,
lacustrine material?

Date Aug 15/00
Surveyor DD

Site No. DD-BZ
TERRAIN SYMBOL SFG? / (Mb)
Inspection GROUND / VISUAL
Polygon Number _____
Location 0.6 km NE on
O.K. Fall FSR,
0.3 km on old logging rd sw
GPS Location No. of Sats. _____
UTM 5483121 N
0331391 E
Latitude _____ N
Longitude _____ W
Elevation 1310 (m)
Flight Line L5 Photo No. 11
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-5% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream _____ m

SOIL DRAINAGE

Drainage Class R / W / (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS sandy gravel (80:20); glaciofluvial? / (Mb?), low relief
swampy/wet ground to the south

Site No. DD-B3
TERRAIN SYMBOL zgMb
Inspection GROUND / VISUAL
Polygon Number _____
Location 2.5 km on Carmi
FSR, ~1.4 km North
GPS Location No. of Sats. _____
UTM 5482035 N
0332267 E
Latitude _____ N
Longitude _____ W
Elevation 1380 (m)
Flight Line L5 Photo No. 11
Photo (Roll/No.) DD #3-19

SLOPE STABILITY CLASS	<u>I</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 0-10% Degrees
Aspect N / NE / E / SE / S / SW / W / NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream _____ m

SOIL DRAINAGE

Drainage Class R / W / (M) / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS silty gravel (M)

Site No. DD-84
TERRAIN SYMBOL sgFg
Inspection (GROUND) VISUAL
Polygon Number _____
Location ~ 40m from Carmi
FSR on "secondary road"
- connector to ELLIS CR. FSR
GPS Location No. of Sats. 4
UTM 5482332N
0329906 E
Latitude N
Longitude W
Elevation 1280 (m)
Flight Line Photo No.
Photo (Roll/No.) DD #3-20, 21

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>2</u>

SLOPE MORPHOLOGY

Slope 5-15 % / Degrees
Aspect N / NE / E / SE / S / SW / W (NW)
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- poorly sorted, coarser sandy gravel interbedded
with finer sand (< ptc component)

Site No. DD-85
TERRAIN SYMBOL SLG(?) / Fg-E
Inspection (GROUND) VISUAL
Polygon Number _____
Location 0.55 km on the
connecting rd
between Carmi & Ellis cr
FSR
GPS Location No. of Sats. _____
UTM 5482655 N
0330285 E
Latitude N
Longitude W
Elevation 1280 (m)
Flight Line L5 Photo No. 13
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>M</u>
SEDIMENT DELIVERY POTENTIAL	<u>m/h</u>

SLOPE MORPHOLOGY

Slope 0-5 % / Degrees
Aspect N / NE / E / SE / S / SW / W (NW)
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream 35 m partly buried

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N)
Initiation Zone / Run-out Zone _____
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m
Tension Cracks Y (N) In Roadbed / In Overburden
Indicators J-Trees Y/N Jackstrawed Trees Y/N Split Trees Y/N Windthrow Y/N
Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
minor / small / medium / large
Landslide Type rock fall / debris fall / slump /
earthflow / debris flow / bedrock slide

COMMENTS

- sandy material deposited in the channel; med coarse
sand, <5% ptc, lacustrine?

Date Aug 15/00
Surveyor DD

Site No. DD-86
TERRAIN SYMBOL SLG
Mj
Inspection GROUNDY VISUAL
Polygon Number _____
Location 1.0 km on OK Falls
FSR from Carmi FSR
Junction, SW
GPS Location No. of Sats.
UTM 5481529 N
0329 552 E
Latitude N
Longitude W
Elevation 1310 (m)
Flight Line L5 Photo No. 13
Photo (Roll/No.) _____

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L/M</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Slope 5-15% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R (W/M) / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y (N) In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

Site No. DD-87
TERRAIN SYMBOL sq FG (?) h-EV
Inspection GROUNDY VISUAL
Polygon Number _____
Location 1.0 km on OK Falls
FSR, SW from Carmi
FSR
GPS Location No. of Sats.
UTM 5481682 N
0329 540 E
Latitude N
Longitude W
Elevation 1300 (m)
Flight Line L5 Photo No. 13
Photo (Roll/No.) DD#3 -22

SLOPE STABILITY CLASS	<u>II</u>
LANDSLIDE SEDIMENT POTENTIAL	<u>1</u>
SURFACE EROSION POTENTIAL	<u>L</u>
SEDIMENT DELIVERY POTENTIAL	<u>L</u>

SLOPE MORPHOLOGY

Few mounds (to 40%)
Slope 10-25% Degrees
Aspect N/NE/E/SE/S/SW/W/NW
Shape concave / convex / benched / uniform / irreg
Length <20m / 20 - 50m / 50 - 100m / >100m
Adjacent to Stream Y (N)
Stream Class active / ephemeral / buried channel
Distance to Stream m

SOIL DRAINAGE

Drainage Class R / W / M / I / P / VP
Indicators seepage / sag ponds / damp spots
Indicator Plants _____

GEOMORPHOLOGICAL PROCESSES

Active Y (N) Landslide Evidence Y (N) <5yr / 5-20yr / 20-100yr / >100yr
Initiation Zone / Run-out Zone minor / small / medium / large
Gullies Y (N) <1/100m / 1/100m - 1/30m / >1/30m Landslide Type rock fall / debris fall / slump /
Tension Cracks Y / N In Roadbed / In Overburden earthflow / debris flow / bedrock slide
Indicators J-Trees Y / N Jackstrawed Trees Y / N Split Trees Y / N Windthrow Y / N

COMMENTS

- hummocky terrain w/ gullies in between
DD#3-23, ~ 70-80m East on OK Falls FSR
berches of coarse sandy gravel (FG)