MESSITER / AVOLA / McMURPHY
TERRAIN CLASSIFICATION LEGEND

BCGS mapsheet 82M.063, 82M.064, 82M.073, 82M.074, 82M.083, 82M.084, 82M.093, 82M.094

Scale 1:20,000

250 0 100 200 400 600 800 1000m

TERRAIN UNIT SYMBOL

polygon number — 123
surficial material — -2FAI-V
texture — -SMD-
surficial material — 10-20//80
qualifying descriptor
geomorphological process
surface expression
slope range
soil drainage
m

Explanatory notes:
Up to three letters may be used to describe texture, surface expression and geomorphological process, or letters may be omitted if information is lacking

COMPOSITE UNITS
Multiple symbols are used to indicate that two or three types of units are present within a polygon.
Cv Rs Indicates "Cv" and "Rs" are of roughly equal extent
Cv / Rs Indicates that "Cv" is more extensive than "Rs" (about 2:1 or 3:2)
Cv // Rs Indicates that "Cv" is much more extensive than "Rs" (about 3:1 or 4:1)

STRATIGRAPHIC UNITS
Groups of letters are arranged one above the other where one or more kinds of surficial materials overlie a different material or bedrock.

Mv / Rr indicates "Mv" overlies "Rr" /Mv/ Rr indicates that "Rr" is partially buried by "Mv"

TEXTURE

Specific Clastic Terms	*Common Clastic Terms*	*Organic Clastic Terms*
a blocks	d mixed fragments	e fibric
b boulders	x angular fragments	u mesic
k cobbles	g gravel	h humic
p pebbles	r rubble	
s sand	m mud	
z silt	y shells	
c clay		

SURFICIAL MATERIALS

A anthropogenic material	LG glaciolacustrine
C colluvium	M moraine
D weathered bedrock	N not mapped (water)
F fluvial	O organic
FA active fluvial	R bedrock
FG glaciofluvial	W marine
L lacustrine	WG glaciomarine

SURFACE EXPRESSION

Simple (unidirectional) slopes
p plain, (less than 5%)
j gentle slope(s), (5-27%)
a moderate slope(s), (28-49%)
k moderately steep slope(s), (50-70%)
s steep slope(s), (>70%)

Complex slopes
m rolling
u undulating
h hummocky
r ridged

Material thickness
b blanket (greater than 1 m)
v veneer (less than 1 m)
w variable thickness, (0-3m)
x thin veneer, (2-20 cm)

Shape
c cone (slope greater than 27%)
f fan (slope less than 27%)
t terrace
d depression

GEOMORPHOLOGICAL PROCESSES

A snow avalanching	Mass Movement Subclasses
B braiding channel	c soil creep
C cryoturbation	g rock creep
D deflation	k tension cracks
E channelling by glacial meltwater	e earthflow
F slow mass movement	x slump - earthflow
H kettled	f debris fall
I irregular channel	b rockfall
J anastomosing channel	s debris slide
K karst processes	r rock slide
L seepage	d debris flow
M meandering channel	lateral spread:
N nivation	p - in bedrock j - in surficial
P piping	slump:
R rapid mass movement	m - in bedrock u - in surficial
S solifluction	" initiation zone
U inundation	
V gully erosion	Snow Avalanche Subclasses
W washing	f major avalanche tracks
X permafrost processes	m minor avalanche tracks
Z periglacial processes	w mixed major & minor avalanche tracks
	o old avalanche tracks
Qualifying Descriptors	
A active	
I inactive	

SLOPE GRADIENT & QUALIFYING DESCRIPTORS

Slope range is given in percent and can be expressed as a range of slopes (i.e. 25-40) or as a single value-(i.e. 60). Slope gradient may also contain two distinct slopes (i.e. 40-55//80-120).
Ranges separated by "/" indicates that the first range is more extensive than the second range (approximately 2:1 or 3:2). A "//" indicates that the first range is much more extensive than the second range (approximately 3:1 or 4:1). A "-" indicates that the first range is about equal to that of the second range.

SOIL DRAINAGE

r rapidly drained	i imperfectly drained
w well drained	p poorly drained
m moderately well drained	v very poorly drained

Where multiple drainage classes are shown: if the symbols are separated by a comma, e.g. "w,i" then no intermediate classes are present; if the symbols are separated by a dash, e.g. "w-i", then all intermediate classes are present; a / or // may also be used to represent relative dominance of one class over another.

BOUNDARY LINES AND ON-SITE SYMBOLS

Definite polygon boundary
Indefinite polygon boundary
Arbitrary polygon boundary
Study area boundary
Ground Observation
Visual Observation
Meltwater channel; small
Meltwater channel; large
Scarp in surficial materials
Recent or recurrent landslide scar
Headwall scar
Gully
Terrain Stability Class IV_B
Terrain Stability Class IV
Terrain Stability Class V

REFERENCES

Howes, D.E. and E. Kenk, 1997. Terrain Classification System for British Columbia (rev. ed.) MOE Manual 10, Ministry of Environment, Recreational Fisheries Branch and Ministry of Crown Lands, Surveys and Resources Mapping Branch, Victoria, BC. 90p.

Resource Inventory Committee, 1996. Guidelines and Standards for Terrain Mapping in British Columbia. Earth Science Task Force, Surficial Geology Task Group, Victoria, BC.

Forest Practices Code of BC. Mapping and Assessing Terrain Stability Guidebook. 1999.

"Terrain Database Manual" Standards for Digital Terrain Data Capture in British Columbia, June 1998

Standard for Digital Terrain Data Capture Errata 2006-1-LBIP

DATA SOURCES

Fieldwork data: Collected on October 21-27, 2006
Aerial Photos: 2000, Colour
1:20,000 TRIM Base Map [NAD 83]

CREDITS

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Mapping Completed:	March, 2007
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KEY MAP

MESSITER KEY MAP

Zone 11

Mapped For:

BCTS
BC Timber Sales

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82M.073

82M.074

North Thompson River