

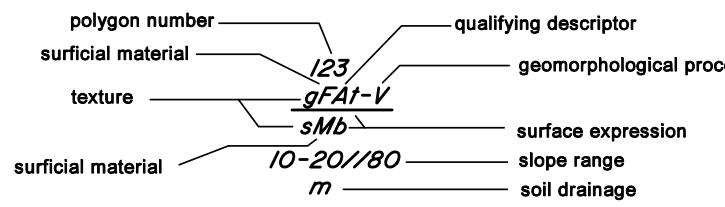
MESSITER / AVOLA / MCMURPHY
TERRAIN CLASSIFICATION LEGEND

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

Scale 1:20,000



TERRAIN UNIT SYMBOL



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/Ra indicates "Cv" and "Ra" are of roughly equal extent.
Cv/Ra indicates that "Cv" is more extensive than "Ra" (about 2:1 or 3:2).
Cv//Ra indicates that "Cv" is much more extensive than "Ra" (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.
M/R indicates "M" overlies "R".
M/R indicates that "R" is partially buried by "M".

TEXTURE

Specific Clastic Terms	Common Clastic Terms	Organic Clastic Terms
a blocks	d mixed fragments	e fibric
b boulders	x angular fragments	u meuc
c 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	Material thickness
p plain, (less than 5%)	b blanket (greater than 1 m)
j gentle slopes, (5-27%)	v veneer (less than 1 m)
a moderate slopes, (28-49%)	w variable thickness, (0-3m)
m moderately steep slopes, (50-70%)	x thin veneer, (2-20 cm)
s steep slopes, (>70%)	
Complex slopes	Shape
m rolling	c cone (slope greater than 27%)
u undulating	f fan (slope less than 27%)
h hummocky	t terrace
r ridged	d depression

GEOMORPHOLOGICAL PROCESSES

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

SLOPE GRADIENT & QUALIFYING DESCRIPTORS

Slope gradient is given in percent and can be expressed as a range of slopes (i.e. 25-40) or as a single value (i.e. 30). Slope gradient may also contain two distinct slopes (i.e. 40-50/60-120).
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 slash, 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	Scarp in surficial materials
Indefinite polygon boundary	Recent or recurrent landslide scar
Arbitrary polygon boundary	Headwall scar
Study area boundary	Gully
Ground Observation	Terrain Stability Class IVa
Visual Observation	Terrain Stability Class IV
Meltwater channel; small	Terrain Stability Class V
Meltwater channel; large	

REFERENCES

Howes, D.E. and E. Kenk, 1987. Terrain Classification System for British Columbia (rev. ed.)
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Resource Inventory Committee, 1986. 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.
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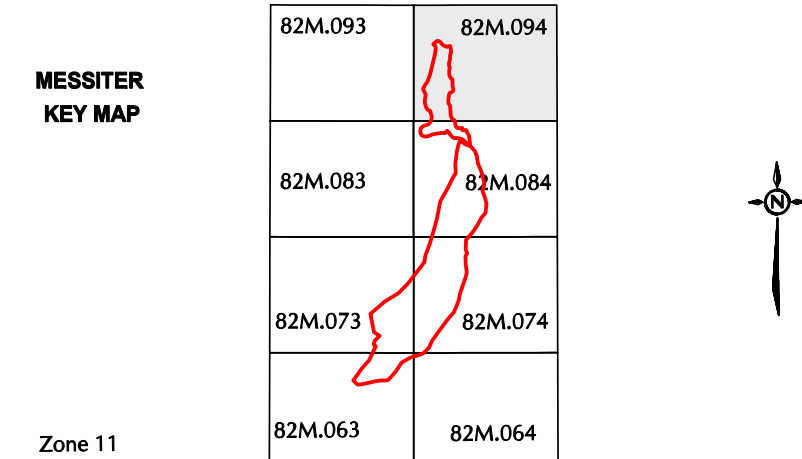
DATA SOURCES

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

CREDITS

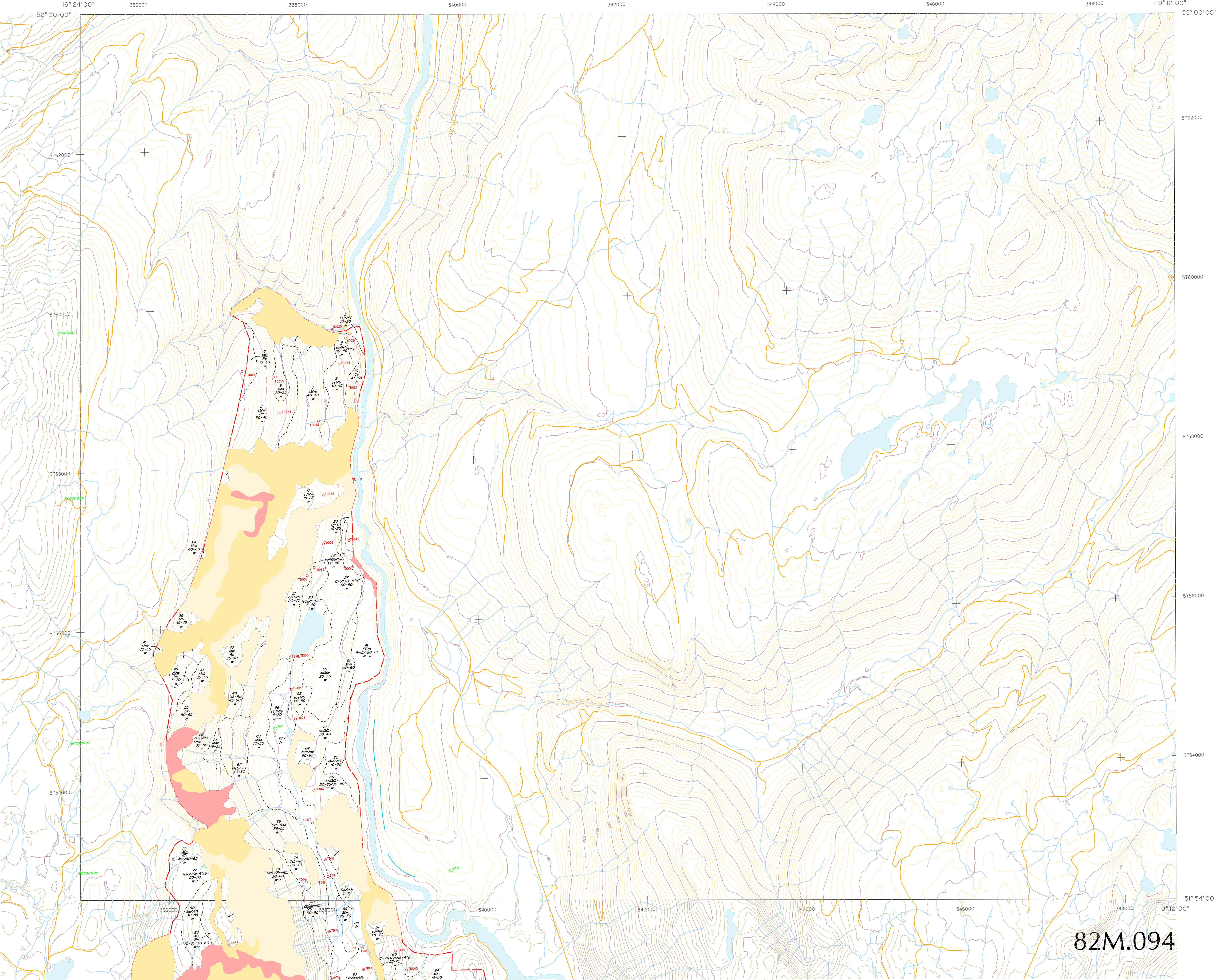
Mapped for: Ministry of Forests and Range - BC Timber Sales - Kamloops Business Area
Mapped by: Marian Olsen, M.Sc., Madrone Environmental Services Ltd., Duncan, BC
Fieldwork: Marian Olsen, M.Sc., Scott Weston, P. Geo., Dave Bergman, P. Geo., Michelle Trommler, M.Sc., Victoria Stevens, G.I.T., Bryan Tassak, B.A.
Project Manager: Bryan Tassak, B.A.
Digital Mapping: Chantrel Consultants Ltd., North Vancouver, BC
Senior Review: Scott Weston, P. Geo.
Mapping Completed: March 2007
BAPID: 4813

KEY MAP



Mapped for: BCTS BC Timber Sales
Digital Mapping by: CHARTWELL Consultants Ltd.
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