

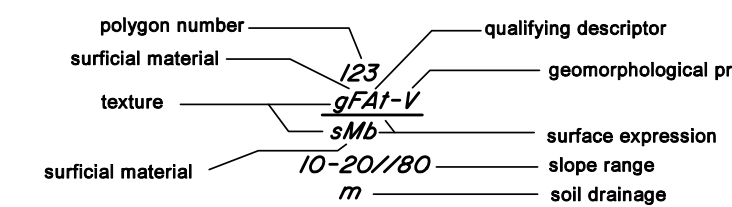
MESSITER / AVOLA / MCMURPHY
TERRAIN CLASSIFICATION LEGEND

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.
Mv indicates "Mv" overlies "Rv".
Mv/Rv indicates that "Rv" is partially buried by "Mv".

TEXTURE

| Specific Clastic Terms | Common Clastic Terms | Organic Clastic Terms |
|------------------------|----------------------|-----------------------|
| a blocks | d mixed fragments | f fibric |
| b boulders | x angular fragments | u meaic |
| 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 |
| D colluvium | M moraine |
| F fluvial | N not mapped (water) |
| FA active fluvial | O organic |
| FG glaciofluvial | R bedrock |
| L lacustrine | W marine |
| | 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) |
| k 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

| | |
|-----------------------------------|--|
| A snow avalanching | Mass Movement Subclasses |
| B braiding channel | c soil creep |
| C cryoturbation | e rock creep |
| D deflation | k tectonic cracks |
| E channeling by glacial meltwater | o earthflow |
| F slow mass movement | s slump - earthflow |
| H kettled | f debris fall |
| I irregular channel | b ruffall |
| J anastomosing channel | s debris slide |
| K karst processes | r rock slide |
| L seepage | d debris flow |
| M meandering channel | lateral spread: |
| N nivation | w - in bedrock j - in surficial |
| P piling | slump: |
| R rapid mass movement | m - in bedrock u - in surficial |
| S solifluction | n - initial 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 | |

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. 40-50/80-120).
Ranges separated by "/" indicates that the first range is more extensive than the second range (approximately 2:1 or 3:2).
"V" 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 |
| p poorly drained | v very poorly drained |
| m moderately well drained | |

Where multiple drainage classes are shown: if the symbols are separated by a comma, e.g. "m,v" then all intermediate classes are present; if the symbols are separated by a dash, e.g. "m-v", 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

| | |
|-----------------------------|------------------------------------|
| Define 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

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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

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KEY MAP

