GSC SURFICIAL FEATURE MODIFICATION FORM

General Procedures – Please complete pages 1 and 2 of this form providing as much information as possible for the requested change/addition. Refer to Open File 7003 for detailed information on existing symbology and their attribute fields. Completed forms or questions on how to fill the form are to be mailed to "Surficial Geology Legend / Légende des formation superficielles" available in the ESS email address book. Forms will be reviewed by the Surficial Geology Legend Committee and notification will be sent to the requester. Depending on the complexity of the approved changes, they will be implemented in a timely manner to avoid delays in the publication of maps.

Requested by	Date submitted

Action Required - Submit whether to create a new feature or modify an existing feature. If modifying, indicate if it's the symbol or an attribute or both. If modifying, a valid GSC symbol number from the GSC standard style file is required.

Action Required	☐ Create New Feature (Symbol and Attributes)	
	☐ Modify an Existing Feature (Symbol and Attributes)	GSC Symbol Number of Feature to Modify
	☐ Modify an Existing Feature (Symbol only)	
	☐ Modify an Existing Feature (Attributes only)	

Reference to existing symbol - If referencing an existing feature, indicate the existing document (i.e. Misc. Report 34, FGDC Standard, an existing style file, etc.) and the associated symbol number (if available).

Reference to existing symbol	Document	Symbol #

Feature Type - Choose which feature type requires action. A Map Unit Polygon, Geomorphological Point, Geomorphological Line, Geomorphological Polygon or a Field Observation Point.

Feature Type	Geomorphological Feature			
	Map Unit (polygon)	Point	Line	Polygon	Field Observation (point)

Feature Attributes - Requesters are asked to fill in as much information on the Data Model Properties for their requested change/addition as they are able; refer to Open File 7003 for detailed information on the various fields. Or use the space provided to best explain the requested change/addition.

Data Model Properties

Field	Value	Field	Value
Group	Not Applicable for the chosen Feature Type	Map Unit Designator	Not Applicable for the chosen Feature Type
Feature Type	Not Applicable for the chosen Feature Type	Genesis	Not Applicable for the chosen Feature Type
Feature Subset	Not Applicable for the chosen Feature Type	Category	Not Applicable for the chosen Feature Type
Environment (deposition or erosion)	Not Applicable for the chosen Feature Type	Subcategory	Not Applicable for the chosen Feature Type
Status	Not Applicable for the chosen Feature Type		
Sense (orientation or direction)	Not Applicable for the chosen Feature Type		
Location Confidence	Not Applicable for the chosen Feature Type	Direction (azimuth)	Not Applicable for the chosen Feature Type
Feature Confidence	Not Applicable for the chosen Feature Type	Generation (relative age)	Not Applicable for the chosen Feature Type
Suggested Feature Description			

Suggested Legend Description - Symbols require a description that is used in the legend (examples on page2)

Suggested Legend Description	

Suggested Notes on Usage - Symbols may also have special notes on usage (examples on page 2)

Suggested Notes on Usage	

Symbol

Associated Text Position - If there is any text associated with the new feature(i.e. dip number, fault name, etc), indicate the position of the text relative to the symbol. Size and font should indicated in the detailed drawing below. A text symbol with the same symbol number as the feature itself will be created in the style file.
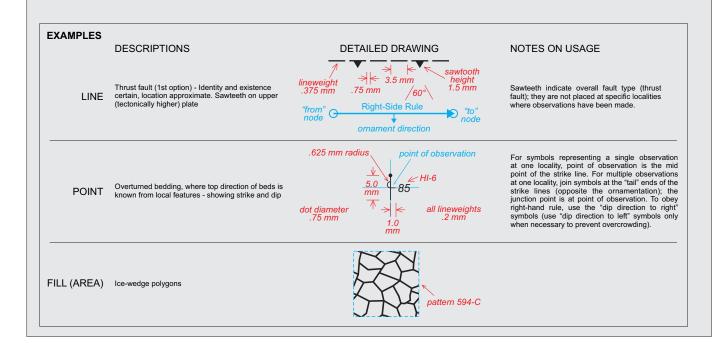
Associated Text Position

Colour - The colour of the symbol should be indicated based on the Standard GSC ArcGIS Colours chart v2.0. Enter the number associated with each colour on the chart, where 'n' represents the digit along the bottom indicating which shade value.

Colour

Suggested Symbol (examples below)
- If no particular symbol is in mind, check the "Defer symbol choice to Surficial Legend Committee" box
- If including a symbol choice, please adhere to the following:
  - Draw the symbol as large as possible for visibility (not necessary to draw at scale)
  - Marker symbols must be drawn at 0° and the point of observation (origin) indicated with a set of cross-hairs
  - Line symbols should be drawn with the Right-Side Rule along the horizontal cross-hair
  - Specify measurements for exact dimensions of symbol in mm. The default thickness for marker symbols is 0.2 mm
  - Indicate the font and point size of any associated text
  - When referencing an existing symbol, indicate any changes

Suggested Symbol

Defer symbol choice to Surficial Geology Legend Committee

Image of suggested symbol included with email of this form

Referencing to existing symbol

Name of image file

Reference existing symbol

EXAMPLES

	DESCRIPTIONS	DETAILED DRAWING	NOTES ON USAGE
LINE	Thrust fault (1st option) - Identity and existence certain, location approximate. Sawteeth on upper (tectonically higher) plate	lineweight .375 mm / .75 mm / 3.5 mm / 60° / sawtooth height 1.5 mm / "from" node / Right-Side Rule / "to" node / ornament direction	Sawteeth indicate overall fault type (thrust fault); they are not placed at specific localities where observations have been made.
POINT	Overturned bedding, where top direction of beds is known from local features - showing strike and dip	.625 mm radius / point of observation / 5.0 mm / HI-6 / 85 / dot diameter .75 mm / 1.0 mm / all lineweights .2 mm	For symbols representing a single observation at one locality, point of observation is the mid point of the strike line. For multiple observations at one locality, join symbols at the "tail" ends of the strike lines (opposite the ornamentation); the junction point is at point of observation. To obey right-hand rule, use the "dip direction to right" symbols (use "dip direction to left" symbols only when necessary to prevent overcrowding).
FILL (AREA)	Ice-wedge polygons	pattern 594-C	

GSC SURFICIAL FEATURE MODIFICATION FORM

Requested by	Date submitted

Committee Review	☐ Accepted	☐ Declined	Date:

Reason:

Use Feature Description as written on page 1

Modified
Feature
Description

☐ Use Legend Description as written on page 1

Modified
Legend
Description

☐ Use Notes on Usage as written on page 1

Modified
Notes on
Usage

Geomorphological Feature

Type	Map Unit (polygon)	Point	Line	Polygon	Field Observation (point)

Data Model Properties

Group	Not Applicable for the chosen Feature Type	Map Unit Designator	Not Applicable for the chosen Feature Type
Feature Type	Not Applicable for the chosen Feature Type	Genesis	Not Applicable for the chosen Feature Type
Feature Subset	Not Applicable for the chosen Feature Type	Category	Not Applicable for the chosen Feature Type
Environment	Not Applicable for the chosen Feature Type	Subcategory	Not Applicable for the chosen Feature Type
Status	Not Applicable for the chosen Feature Type		
Sense	Not Applicable for the chosen Feature Type		
Location Confidence	Not Applicable for the chosen Feature Type	Direction (azimuth)	Not Applicable for the chosen Feature Type
Feature Confidence	Not Applicable for the chosen Feature Type	Generation (relative age)	Not Applicable for the chosen Feature Type