

Surficial data model version 2.4.0 notes

Changes between version 2.3.14 and version 2.4.0

Changes to the geodatabase schema

- Table M_DOMAINS
 - F_DC field number of characters incremented from 50 to 150
- Table P_LEGEND_GENERATOR
 - Replaced with new external file SDM_V240_Legend_Generator.xlsx

Changes to the science language

- Tables M_DOMAINS and M_SUBTYPES
 - Amalgamated duplicate codes
 - Updated and added new codes for new, updated and deleted features
- Table P_LEGEND_GENERATOR:
 - New legend order for geomorphological feature in v.2.4.0
 - Added descriptions for stratigraphic and complex units
- New features
 - Buried crag-and-tail ridge (all)
 - Feature class: GEM_LINES
 - CONTROL_SID: 2141002
 - SYMBOL_DID: 3.08.01.046
 - Buried crag-and-tail (all)
 - Feature class: GEM_POINTS
 - CONTROL_SID: 2151002
 - SYMBOL_DID: 3.08.01.045
 - Meltwater erosional depression (all)
 - Feature class: GEM_POINTS
 - CONTROL_SID: 2631002
 - SYMBOL_DID: 3.10.01.018
 - Meltwater erosional depression observation location (all)
 - Feature class: F_STATION
 - SYMBOL_DID: 3.10.01.018
- Updated features
 - Crevasse filling (all):
 - New optional marker for legend symbol 3.15.0.015
 - Feature class: GEM_LINES
 - CONTROL_SID: 4731002
 - SYMBOL_DID: 3.06.01.005
 - 4251002 Piping depression (all)
 - Group changed from paleodrainage to mass-wasting
 - Feature class: GEM_POINTS
 - CONTROL_SID: 4251002
 - SYMBOL_DID: 3.10.01.002
 - GMf Glaciomarine sediments - Submarine outwash-fan sediments (all)

- Added hyphen
 - Feature classes: GEO_LABELS and GEO_POINTS
 - CONTROL_SID: 7611090
 - SYMBOL_DID: 3.01.09.527
 - GLf Glaciolacustrine sediments - Subaqueous outwash-fan sediments (all)
 - Added hyphen
 - Feature classes: GEO_LABELS and GEO_POINTS
 - CONTROL_SID: 7531090
 - SYMBOL_DID: 3.01.08.615
 - Gff2 Glaciomarine submarine outwash-fan sediments)
 - Added hyphen (to short legend description only)
 - Feature classes: GEO_LABELS and GEO_POINTS
 - CONTROL_SID: 7981088
 - SYMBOL_DID: 3.01.07.225
 - Deprecated features:
 - Limit of submergence (confidence approximate; environment glaciomarine)
 - Deprecated feature type
 - Feature class: GEM_LINES
 - CONTROL_SID: 4931009
 - SYMBOL_DID: 3.11.01.014
 - Limit of submergence (confidence defined; environment glaciomarine)
 - Deprecated feature type
 - Feature class: GEM_LINES
 - CONTROL_SID: 4931016
 - SYMBOL_DID: 3.11.01.013
 - Changes to symbols:
 - Limit of submergence (confidence approximate; environment marine)
 - Changed line colour from light purple to dark purple and increased line thickness
 - Feature class: GEM_LINES
 - CONTROL_SID: 4931011
 - SYMBOL_DID: 3.11.01.013
 - Limit of submergence (confidence defined; environment marine)
 - Changed line colour from light purple to dark purple and increased line thickness
 - Feature class: GEM_LINES
 - CONTROL_SID: 4931018
 - SYMBOL_DID: 3.11.01.014
 - Spillway central axis (direction known)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 5061053
 - SYMBOL_DID: 3.10.01.012
 - Minor meltwater channel central axis (marginal, overflow, subglacial, supraglacial or unspecified; direction known)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: ; 4971081
 - SYMBOL_DID: 3.10.01.008

- Minor meltwater channel central axis (lateral uphill left)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 4971041
 - SYMBOL_DID: 3.10.01.006
- Minor meltwater channel central axis (lateral uphill right)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 4971042
 - SYMBOL_DID: 3.10.01.007
- Crag-and-tail ridge: (all)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 4721002
 - SYMBOL_DID: 3.08.01.016
- Crag-and-tail ridge: small (3.08.01.003)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 1191002
 - SYMBOL_DID: 3.08.01.003
- Pre-crag ridge (all)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 4071002
 - SYMBOL_DID: 3.08.01.040
- Pre-crag (all)/
 - Redesigned arrows in symbol
 - Feature class: GEM_POINTS
 - CONTROL_SID: 4081002
 - SYMBOL_DID: 3.08.01.039
- Pre-crag observation location (all)
 - Redesigned arrows in symbol
 - Feature class: F_STATION
 - SYMBOL_DID: 3.08.01.039
- Fluted bedrock or drift, central long axis (poorly defined; direction known)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 5431069
 - SYMBOL_DID: 3.08.01.033
- Fluted bedrock or drift (poorly defined; direction known)
 - Redesigned arrows in symbol
 - Feature class: GEM_POINTS
 - CONTROL_SID: 5441069
 - SYMBOL_DID: 3.08.01.029
- Fluted bedrock or drift, measurement location (poorly defined; direction known)
 - Redesigned arrow in symbol
 - Table: F_PFLOW
 - SYMBOL_DID: 3.08.01.029

- Fluted bedrock or drift, central long axis (well defined or unspecified; direction known)
 - Redesigned arrows in symbol
 - Feature class: GEM_LINE
 - CONTROL_SID: 5431071
 - SYMBOL_DID: 3.08.01.019
- Fluted bedrock or drift (well defined or unspecified; direction known)
 - Redesigned arrow in symbol
 - Feature class: GEM_POINTS
 - CONTROL_SID: 5441071
 - SYMBOL_DID: 3.08.01.006
- Fluted bedrock or drift, measurement location (well defined or unspecified; direction known)
 - Redesigned arrow in symbol
 - Table: F_PFLOW
 - SYMBOL_DID: 3.08.01.006
- Ice-flow direction (direction known)
 - Redesigned arrow in symbol
 - Feature class: GEM_LINES
 - CONTROL_SID: 1721053
 - SYMBOL_DID: 3.08.01.024