

Earth Sciences Sector
Geological Map Flow Project

Feature Domains (Pick-lists)

Supplement to the Data Model Document for the
Bedrock Mapping Geodatabase, Version 3.1
(Released June 2011)

| FEATURE CLASS | DOMAIN | DEFAULT VALUE |
|-------------------------|-----------|---------------------|
| Stations (stp) | map_theme | bedrock, at surface |
| Lithologies (ltp) | | |
| LithologyMinerals (lmp) | | |
| Planar (plp) | | |
| Linear (lip) | | |
| AltnMineraliztn (amp) | | |
| Photos (php) | | |
| Fossils (fop) | | |
| Geochronology (gcp) | | |
| Wells (wep) | | |
| MineralLocalities (mlp) | | |
| SmallMapUnits (unp) | | |
| Notes (nop) | | |
| Contacts (col) | | |
| GeolUnitConstruct (gul) | | |
| BaseMapConstruct (bmp) | | |
| ThinStratUnits (unl) | | |
| ThinDykes (dyl) | | |
| Faults (fal) | | |
| Folds (fol) | | |
| DriftContacts (dcl) | | |
| MeasuredSections (sel) | | |
| Traverses (tv1) | | |
| Traces (trl) | | |
| Limits (lsl) | | |
| Isograds (igl) | | |
| FaultZones (faa) | | |
| MapUnits (una) | | |
| DriftMapUnits (dua) | | |
| Sources (soa) | | |
| ESS_Project | | |
| StudyArea | | |

| FEATURE CLASS | DOMAIN | DEFAULT VALUE |
|--|---------------|--------------------------------|
| Stations (stp) | stp_feature | station |
| Lithologies (ltp) | ltp_feature | lithology |
| LithologyMinerals (lmp) | lmp_feature | lithology mineral |
| Planar (plp) | plp_feature | planar orientation measurement |
| Linear (lip) | lip_feature | linear orientation measurement |
| FieldSamples (sap) | sap_feature | field sample |
| Photos (php) | php_feature | photograph |
| Fossils (fop) | fop_feature | fossil locality |
| Geochronology (gcp) | gcp_feature | geochronology result locality |
| Wells (wep) | wep_feature | well |
| MineralLocalities (mlp) | mlp_feature | mineral locality |
| Notes (nop) | nop_feature | note |
| SmallMapUnits (unp) ThinStratUnits (unl) ThinDykes (dyl) | unv_feature | map unit |
| Contacts (col) DriftContacts (dcl) | col_feature | contact |
| GeolUnitConstruct (gul) | gul_feature | geology unit construct |
| BaseMapConstruct (bml) | bml_feature | base map construct |
| Folds (fol) | fol_feature | fold |
| MeasuredSections (sel) | sel_feature | measured stratigraphic section |
| Traverses (trl) | trl_feature | traverse |
| Traces (trl) | trl_feature | trace |
| Isograds (igl) | igl_feature | isograd |

Sources (soa)

soa_feature

source area

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|---|
| Stations (stp) | stp_subfeature | visited outcrop remote ground observation aerial observation photograph only imagery observation archival observation historical published observation isolated outcrop, location only |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------|--------------|---|
| Stations (stp) | stp_phys_env | cliff face ridge slope shoreline stream cut road cut rail cut trench pit mine, surface adit quarry open ground vegetated terrain |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Stations (stp) | stp_oc_quality | excellent outcrop good outcrop poor outcrop scattered outcrop subcrop float/rubble talus/scree felsenmeer vegetation covered burrow debris borehole glacial erratic |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Stations (stp) | UTM_lon_zn | 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Stations (stp) | UTM_lat_zn | T U V W X not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|--------------------------|---------------|------------------|
| Stations (stp) | hor_datum | NAD83 |
| FieldSamples (sap) | | NAD27 |
| Wells (wep) | | WGS84 |
| Mineral localities (mlp) | | not applicable |
| Photos (php) | | |
| MeasuredSections (sel) | | |

| FEATURE CLASS | DOMAIN | PICK LIST |
|--------------------|------------|--|
| Stations (stp) | loc_method | GPS |
| FieldSamples (sap) | | georeferenced image scaled from 50k topo map scaled from 250k topo map approximated from archival documents tap from Ganfeld manual from Ganfeld transfer, air photo to topo map |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Stations (stp) | vert_datum | WGS84 CGVD28 Mean Sea Level not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Stations (stp) | elev_meth | GPS |
| FieldSamples (sap) | | altimeter 50k topo map 250k topo map 50k DEM 250k DEM approximated from archival documents not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|---------------|------------------|
| Stations (stp) | release | ESS project only |
| Lithologies (ltp) | | laboratory |
| Planar (plp) | | public |
| Linear (lip) | | |
| FieldSamples (sap) | | |
| LithologyMinerals (lmp) | | |
| AltnMineraliztn (amp) | | |
| Photos (php) | | |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|------------|-----------|
| Stations (stp) | include_hc | yes |
| Lithologies (ltp) | | no |
| LithologyMinerals (lmp) | | |
| Planar (plp) | | |
| Linear (lip) | | |
| AltnMineraliztn (amp) | | |
| Photos (php) | | |
| Fossils (fop) | | |
| Geochronology (gcp) | | |
| Wells (wep) | | |
| MineralLocalites (mlp) | | |
| SmallMapUnits (unp) | | |
| Notes (nop) | | |
| Contacts (col) | | |
| GeolUnitConstruct (gul) | | |
| ThinStratUnits (unl) | | |
| ThinDykes (dyl) | | |
| Faults (fal) | | |
| Folds (fol) | | |
| DriftContacts (dcl) | | |
| MeasuredSections (sel) | | |
| Traverses (trl) | | |
| Traces (trl) | | |
| Limits (lsl) | | |
| FaultZones (faa) | | |
| MapUnits (una) | | |
| DriftMapUnits (dua) | | |
| Sources (soa) | | |
| Isograds (igl) | | |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Lithologies (ltp) | ltp_occurrence | bed lamina clast nodule concretion lens layer sheet flow sill dyke plug pluton vein raft screen inclusion xenolith enclave schlieren leucosome mesosome melanosome paleosome neosome vug fill vesicle fill other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Lithologies (ltp) | ltp_lith_group | plutonic volcanic volcanoclastic sedimentary metamorphic metaplutonic metavolcanic metavolcanoclastic metasedimentary tectonite hydrothermal |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------|----------------|--|
| Lithologies (ltp) | ltp_grain_size | clay (<.004 mm) silt (.004 - .0625 mm) mud (clay + silt) v. fine sand (.0625 - .125 mm) fine sand (.125 - .250 mm) medium sand (.25 - .50 mm) coarse sand (0.5 - 1.0 mm) v. coarse sand (1.0 - 2.0 mm) granule (2 - 4 mm) pebble (4 - 64 mm) cobble (64 - 256 mm) boulder (>256 mm) - cryptocrystalline (1-4 um) v. finely crystalline (4-16 um) finely crystalline (16-62 um) medium crystalline (62-250 um) coarse crystalline (0.25-1.0 mm) v. coarse crystalline (1-4 mm) e. coarse crystalline (>4 mm) - ash (<2 mm) lapilli (2-64 mm) bombs (>64 mm) - micrograined/microcrystalline - aphanitic fine grained (<1 mm) medium grained (1-5 mm) coarse grained (5-30 mm) v. coarse grained (>30 mm) pegmatitic |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------|-----------------------|---|
| Lithologies (ltp) | ltp_bedding_thickness | thinly laminated (1-3 mm) thickly laminated (3-10 mm) very thin bedded (1-3 cm) thin bedded (3-10 cm) medium bedded (10-30 cm) thick bedded (30-100 cm) very thick bedded (>100 cm) |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|------------------|--|
| Lithologies (ltp) | ltp_lith_contact | gradational sharp erosional karstic exposure surface unconformity angular unconformity disconformity nonconformity intrusive sheared faulted diffuse covered missing other, see contact notes |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Lithologies (ltp) | ltp_int_confid | confident moderate not confident not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|----------|---|
| LithologyMinerals (lmp) | lmp_form | anhedral euhedral subhedral other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|-----------|--|
| LithologyMinerals (Imp) | Imp_habit | acicular circular columnar equant fibrous flaky granular lath-like massive prismatic pseudo-hexagonal tabular other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|----------------|--|
| LithologyMinerals (Imp) | Imp_occurrence | accessory amygdule clast clot constituent fragment glomerocryst groundmass matrix megacryst phenocryst porphyroblast porphyroclast pseudomorph vug filling other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|----------------|--|
| Planar (plp) | plp_subfeature | bedding banding igneous layering igneous layering, pillows flow layering compositional layering cross-bed foreset contact dyke margin sill margin vein margin joint fracture fracture zone margin fault plane, unknown sense fault plane, normal fault plane, reverse fault plane, thrust fault plane, dextral fault plane, sinistral fault plane, oblique shear band, unknown sense shear band, normal shear band, reverse shear band, dextral shear band, sinistral shear zone, unknown sense shear zone, normal shear zone, reverse shear zone, dextral shear zone, sinistral shear zone, dextral-normal shear zone, dextral-reverse shear zone, sinistral-normal shear zone, sinistral-reverse axial plane axial plane, anticline axial plane, syncline axial plane, crenulation axial plane, kink-band axial plane, minor S fold axial plane, minor Z fold axial plane, minor U fold axial plane, transposition fold |

cleavage
cleavage, slaty
cleavage, spaced
cleavage, crenulation
schistosity
gneissosity
foliation
foliation, mylonitic
foliation, transposed bedding
other, see remarks

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Planar (plp) | plp_attitude | upright overturned <180 overturned >180 vertical horizontal inclined, tops unknown not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|---|
| Planar (plp) | plp_young_evid | known, sedimentary structure known, igneous structure known, stratigraphic order inferred, stratigraphic order inferred, bedding-cleavage relationship evidence unknown, historical data assumed, no evidence unknown not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|------------------|------------|------------------|
| Planar (plp) | generation | primary |
| Linear (lip) | | first |
| Faults (fal) | | second |
| Folds (fol) | | third |
| FaultZones (faa) | | fourth |
| | | multi-generation |
| | | undefined |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|--------|-------------------------------|
| Planar (plp) | method | measured at station |
| Linear (lip) | | estimated at station |
| | | estimated remotely |
| | | calculated from data |
| | | calculated from imagery |
| | | acquired from historical data |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|--------|-----------|
| Planar (plp) | strain | no strain |
| Linear (lip) | | massive |
| | | weak |
| | | moderate |
| | | strong |
| | | intense |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|------------|----------------|
| Planar (plp) | flattening | S tectonite |
| Linear (lip) | | SSS |
| | | S>L |
| | | S>=L |
| | | S=L |
| | | S<=L |
| | | S<L |
| | | LLL |
| | | L tectonite |
| | | not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|----------------|--|
| Linear (lip) | lip_subfeature | symmetrical ripple crest asymmetrical ripple paleoflow imbrication paleoflow flute tool mark prod mark parting lineation trough axis slump fold hinge slump fold hinge, Z slump fold hinge, S igneous flow lineation fold hinge fold hinge, soft-sediment fold hinge, anticline fold hinge, syncline fold hinge, antiform fold hinge, synform fold hinge, minor S fold hinge, S crenulation fold hinge, minor Z fold hinge, Z crenulation fold hinge, minor U fold hinge, U crenulation fold hinge, crenulation axis of sheath fold axis of sheath antiform axis of sheath synform intersection lineation intersection, cleavage-bedding intersection, cleavage-cleavage fault striae fault grooves slickensides mineral growth fibres mineral lineation stretching lineation boudinage axis rodding mullions boudins glacial striae glacial grooves other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| FieldSamples (sap) | sap_loc_type | outcrop subcrop talus float/rubble borehole mine, surface quarry adit |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------------------------|---------------|--|
| FieldSamples (sap) StudyArea | sap_province | British Columbia Alberta Saskatchewan Manitoba Ontario Quebec New Brunswick Nova Scotia Prince Edward Island Newfoundland and Labrador Nunavut Northwest Territories Yukon not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--------------------------|
| FieldSamples (sap) | sap_loc_precsn | 50 100 500 >500 |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| FieldSamples (sap) | sap_sam_type | hand, single hand, multiple hand, oriented multiple pieces, bag multiple pieces, bucket oversized core core, oriented chip sample cuttings other, see sample note |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| FieldSamples (sap) | sap_geol_prov | Appalachian Orogen Arctic Platform Bear Province Churchill Province Cordilleran Orogen Grenville Province Hudson Bay Lowlands Innuitian Orogen Interior Platform Makkovik Nain Province Rae Province Slave Province Southern Province St. Lawrence Platform Superior Province not applicable |

FEATURE CLASS**DOMAIN****PICK LIST**

FieldSamples (sap)

sap_purpose

representative lithology
geochemistry, RockEval
geochemistry, Xtract
geochemistry, TOC analysis
geochemistry, organic
geochemistry, litho
geochemistry, assay
geochemistry, stable isotope
geochemistry, C isotope
geochemistry, O isotope
geochemistry, H isotope
geochemistry, radio isotope
geochronology, fission track
geochronology, detrital zircon
geochronology, radiocarbon
geochronology, K-Ar
geochronology, 40Ar-39Ar
geochronology, U-Pb
geochronology, Pb-Pb
geochronology, Sm-Nd
geochronology, Rb-Sr
geochronology, Re-Os
geochronology, Lu-Hf
mineral fabric relationship
mineralogy
mineralogy, ore
mineralogy, polished section
mineralogy, polished slab
mineralogy, stained slab
paleomagnetism
paleontology, macro
paleontology, micro
paleontology, ichno
paleontology, conodonts
paleontology, foraminifera
paleontology, palynology
paleontology, radiolaria
petrology, organic
petrology, vitrinite reflectance
provenance studies
PT estimate
remote sensing, hyperspectral
sedimentary structure
thin section, regular

thin section, polished
thin section, stained

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--------------------------------------|
| FieldSamples (sap) | sap_lith_prop | all major minor significant |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| FieldSamples (sap) | sap_age | Quaternary Holocene Pleistocene Tertiary Neogene Paleogene Pliocene Miocene Oligocene Eocene Paleocene Mesozoic Cretaceous Jurassic Triassic Paleozoic Permian Carboniferous Pennsylvanian Mississippian Devonian Silurian Ordovician Cambrian Proterozoic Neoproterozoic Ediacaran Cryogenian Tonian Mesoproterozoic Paleoproterozoic Archean Neoproterozoic Mesoarchean Paleoarchean |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|-------------------------|
| FieldSamples (sap) | sap_format | RHR DDD TRND-PLNG |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|------------------|
| FieldSamples (sap) | sap_surface | upper lower |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-----------------------|---------------|------------------------------|
| AltnMineraliztn (amp) | amp_feature | alteration mineralization |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-----------------------|---------------|---|
| AltnMineraliztn (amp) | amp_unit | all host rock intrusion other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-----------------------|----------------|--|
| AltnMineraliztn (amp) | amp_distributn | selective pervasive pervasive patchy fracture controlled fracture-coating disseminated replacement selvages vein |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Photos (php) | php_subject | outcrop lithology texture structure dyke/vein fossil mineral people landscape scenery panoramic series historical cultural wildlife section other, see caption |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| Fossils (fop) | fop_type_anal | macropaleontology micropaleontology ichnology conodonts foraminifera palynology radiolaria |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------------|---------------|--|
| Geochronology (gcp) | gcp_type_anal | fission track detrital zircon radiocarbon K-Ar 40Ar-39Ar U-Pb Pb-Pb Sm-Nd Rb-Sr Re-Os Lu-Hf U-Th-He |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| Geochronology (gcp) | gcp_age_qual | direct maximum direct minimum direct estimate maximum estimate minimum estimate unverified not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|---|
| Wells (wep) | wep_subfeature | oil gas oil and gas water steam dry unknown |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|--------------|---|
| Wells (wep) | wep_activity | abandoned suspended drilled and cased flowing pumping producing testing injection disposal undefined |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|------------------|
| Wells (wep) | wep_td_units | metres feet |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|------------|---|
| MineralLocalities (mlp) | mlp_status | anomaly showing prospect developed prospect deposit production past production unknown |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------|----------------|--|
| Contacts (col) | col_subfeature | depositional depositional-conformable depositional-unconformable depositional-escarpment intrusive metamorphic faulted faulted-escarpment sheared facies change thin stratigraphic unit undefined |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|------------|-------------|
| Contacts (col) | confidence | defined |
| DriftContacts (dcl) | | approximate |
| ThinStratUnits (unl) | | inferred |
| ThinDykes (dyl) | | concealed |
| Faults (fal) | | |
| Folds (fol) | | |
| Isograds (igl) | | |

| FEATURE CLASS | DOMAIN | PICK LIST |
|-------------------------|----------------|---|
| GeolUnitConstruct (gul) | gul_subfeature | nomenclature change mapping precision change limit of mapping other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|------------------------|----------------|--|
| BaseMapConstruct (bml) | bml_subfeature | shoreline glacier edge map neat line other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--|
| Faults (fal) | fal_feature | fault shear structural lineament |

| FEATURE CLASS | DOMAIN | PICK LIST |
|------------------|----------------|----------------------------------|
| Faults (fal) | fav_subfeature | reverse |
| FaultZones (faa) | | thrust |
| | | back-thrust |
| | | normal |
| | | detachment |
| | | dextral strike-slip |
| | | sinistral strike-slip |
| | | oblique-slip, dextral, normal |
| | | oblique-slip, dextral, reverse |
| | | oblique-slip, sinistral, normal |
| | | oblique-slip, sinistral, reverse |
| | | tear |
| | | transform |
| | | transverse, motion undefined |
| | | generic, steep dip |
| | | generic, moderate dip |
| | | generic, shallow dip |
| | | motion undefined |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|-------------------------------------|
| Faults (fal) | attitude | upright |
| Folds (fol) | | overturned |
| | | upright, assumed from archival data |
| | | not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Faults (fal) | fal_movement | N side down NE side down E side down SE side down S side down SW side down W side down NW side down undefined not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|------------------|
| Faults (fal) | fav_direction | N |
| Isograds (igl) | | NE |
| | | E |
| | | SE |
| | | S |
| | | SW |
| | | W |
| | | NW |
| | | inward |
| | | outward |
| | | undefined |
| | | not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------|----------------|--|
| Folds (fol) | fol_subfeature | antiform synform anticline syncline antiform, asymmetrical synform, asymmetrical anticline, asymmetrical syncline, asymmetrical anticline, synformal syncline, antiformal anticline, homeoclinic syncline, homeoclinic anticline, contraclinal syncline, contraclinal monocline, anticlinal bend monocline, synclinal bend anticlinorium synclinorium antiformal sheath synformal sheath neutral arch trough other, see remarks |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| Folds (fol) | fol_direction | N NE E SE S SW W NW undefined not applicable |

| FEATURE CLASS | DOMAIN | PICK LIST |
|---------------------|----------------|--|
| DriftContacts (dcl) | dcl_subfeature | depositional depositional-conformable depositional-unconformable depositional-escarpment intrusive metamorphic faulted faulted-escarpment sheared facies change thin stratigraphic unit base map construct undefined |

| FEATURE CLASS | DOMAIN | PICK LIST |
|------------------------|----------------|--|
| MeasuredSections (sel) | sel_subfeature | type section reference section study section |

| FEATURE CLASS | DOMAIN | PICK LIST |
|------------------------|----------------|---------------------------------------|
| MeasuredSections (sel) | sel_confidence | defined approximate obliterated |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Traces (trl) | trl_subfeature | marker bed distinctive lithology bedding form line foliation form line joint vein structural cross-section non-structural lineament seismic line unique – see description |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|-------------------|
| Limits (lsl) | lsl_feature | limit boundary |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------|--|
| Limits (lsl) | lsl_subfeature | outcrop extent gas field oil field geothermal field mine, surface quarry edge of sinkhole lava flow margin edge of crater edge of caldera front of penetrative strain edge of contact metamorphism edge of regional metamorphism unique – see description |

| | | |
|----------------|----------------|--|
| Isograds (igl) | igl_subfeature | zeolite in zeolite out chlorite in chlorite out muscovite in muscovite out biotite in biotite out garnet in garnet out staurolite in staurolite out kyanite in kyanite out sillimanite in sillimanite out andalusite in andalusite out cordierite in cordierite out |
|----------------|----------------|--|

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|--------------------------|
| FaultZones (faa) | faa_feature | fault zone shear zone |

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|----------------------|------------------|
| MapUnits (una) | mapunit_area_feature | map unit |
| DriftMapUnit (dua) | | unmapped area |

FEATURE CLASS**DOMAIN****PICK LIST**

StudyArea

presen_form

vector digital data
raster digital data
map
atlas
section
multimedia presentation
spreadsheet
tabular digital data
document

FEATURE CLASS**DOMAIN****PICK LIST**

StudyArea

progress

complete
planned
work in progress

| FEATURE CLASS | DOMAIN | PICK LIST |
|----------------------|---------------|---|
| StudyArea | graphic | PMF PDF SHP XML CGM EPS EMF GIF JPEG PBM PS TIFF WMF XWD |