

Geological Survey of Canada – Commission géologique du Canada

Canadian Geoscience Map Bedrock Data Model v 4.0.0: Feature Class Domains

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*Domains are arranged alphabetically within each section.

RANGE VALUES

| DOMAIN | RANGE VALUES | FEATURE CLASS, ATTRIBUTE |
|-----------------|---------------------|---|
| range_percent | -1 to 100 | Lithologies, COLOUR_IND LithologyMinerals, MNRL_MODE AltnMineraliztn, MNRL_MODE |
| range_azimuth | 0 to 360 | Planar, DIP_DIR Planar, STRIKE Linear, TREND MasterLegendTable_OtherGeology, ANGLE |
| range_direction | -1 to 360 | Photos, DIRECTION DrillHoles, TREND |
| range_dip | -1 to 90 | Planar, DIP Linear, PLUNGE |
| range_drillhole | -90 to 90 | DrillHoles, PLUNGE |

MAP THEME

| DOMAIN | DEFAULT VALUE | FEATURE CLASS, ATTRIBUTE |
|-----------|---------------------|--|
| map_theme | bedrock, at surface | Stations, MAP_THEME Lithologies, MAP_THEME LithologyMinerals, MAP_THEME Planar, MAP_THEME Linear, MAP_THEME AltnMineraliztn, MAP_THEME Photos, MAP_THEME Fossils, MAP_THEME Geochronology, MAP_THEME Wells, MAP_THEME DrillHoles, MAP_THEME MineralOccurrences, MAP_THEME SmallMapUnits, MAP_THEME Notes, MAP_THEME Contacts, MAP_THEME DriftContacts, MAP_THEME GeolUnitConstruct, MAP_THEME BaseMapConstruct, MAP_THEME ThinLithologies, MAP_THEME Faults, MAP_THEME Folds, MAP_THEME MeasuredSections, MAP_THEME Traverses, MAP_THEME Traces, MAP_THEME Limits, MAP_THEME Isograds, MAP_THEME OverprintZones, MAP_THEME MapUnits, MAP_THEME DriftMapUnits, MAP_THEME Sources, MAP_THEME UnitLabels, MAP_THEME DriftUnitLabels, MAP_THEME |

FEATURE DOMAINS

| DOMAIN | DEFAULT VALUE | FEATURE CLASS, ATTRIBUTE |
|---------------------|--------------------------------|--|
| feature_base_constr | base map construct | BaseMapConstruct, FEATURE |
| feature_contacts | contact | Contacts, FEATURE DriftContacts , FEATURE |
| feature_drillholes | drill hole | DrillHoles, FEATURE |
| feature_folds | fold | Folds, FEATURE |
| feature_fossils | fossil locality | Fossils, FEATURE |
| feature_geochron | radiometric data | Geochronology, FEATURE |
| feature_geol_constr | geology unit construct | GeolUnitConstruct, FEATURE |
| feature_isograds | isograd | Isograds, FEATURE |
| feature_linear | linear orientation measurement | Linear, FEATURE |
| feature_lith | lithology | Lithologies, FEATURE |
| feature_lith_min | lithology mineral | LithologyMinerals, FEATURE |
| feature_min_occ | mineral occurrence | MineralOccurrences, FEATURE |
| feature_notes | note | Notes, FEATURE |
| feature_overprint | overprint | OverprintZone, FEATURE |
| feature_photos | photograph | Photos, FEATURE |
| feature_planar | planar orientation measurement | Planar, FEATURE |
| feature_sections | measured stratigraphic section | MeasuredSections, FEATURE |
| feature_smapunits | map unit | SmallMapUnits, FEATURE |
| feature_sources | source area | Sources, FEATURE |
| feature_stations | station | Stations, FEATURE |
| feature_thin_lith | thin lithology | ThinLithologies, FEATURE |
| feature_traces | trace | Traces, FEATURE |
| feature_traverses | traverse | Traverses, FEATURE |
| feature_wells | well | Wells, FEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-----------------|------------------------------|---------------------------------|
| feature_alt_min | alteration mineralization | AltnMineraliztn, FEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------|--|---------------------------------|
| feature_faults | fault shear structural lineament | Faults, FEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------|-------------------|---------------------------------|
| feature_limits | limit boundary | Limits, FEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------------|---------------------------|---|
| feature_mapunit_area | map unit unmapped area | MapUnits, FEATURE DriftMapUnit, FEATURE UnitLabels, FEATURE DriftUnitLabels, FEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|---|---------------------------------|
| feature_MLT_units | map unit unmapped area thin lithology | MLT_Units, FEATURE |

SUBFEATURE DOMAINS

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|------------------------|--|------------------------------|
| subfeature_base_constr | shoreline glacier edge map neat line other, see remarks | BaseMapConstruct, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|--|--------------------------|
| subfeature_contacts | depositional depositional-conformable depositional-unconformable depositional-escarpment intrusive metamorphic faulted faulted-escarpment sheared facies change thin stratigraphic unit undefined | Contacts, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|--------------------------|--|---------------------------|
| subfeature_drift_contact | depositional depositional-conformable depositional-unconformable faulted faulted-escarpment base map construct undefined | DriftContacts, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-----------------------|--|--------------------------|
| subfeature_drillholes | diamond drill hole reverse circulation drill hole shot hole tricone drill hole undefined | DrillHoles, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|--|---------------------------------|
| subfeature_faults | reverse 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 | Faults, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|------------------|--|---------------------------------|
| subfeature_folds | 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 | Folds, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|------------------------|---|----------------------------------|
| subfeature_geol_constr | nomenclature change mapping precision change limit of mapping other, see remarks | GeolUnitConstruct, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|---|---------------------------------|
| subfeature_isograds | actinolite in andalusite in biotite in chlorite in clinopyroxene in cordierite in diopside in forsterite in garnet in hornblende in K-feldspar in kyanite in melt in muscovite in orthopyroxene in prehnite-pumpellyite in sillimanite in staurolite in tremolite in wollastonite in zeolite in | Isograds, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|---|-------------------------------------|
| subfeature_limits | outcrop extent gas field oil field extent of bitumen geothermal field mine, surface quarry edge of sinkhole lava flow margin edge of crater edge of caldera front of penetrative strain extent of alteration extent of mineralization edge of contact metamorphism edge of regional metamorphism unique – see description | Limits, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|--|--------------------------|
| subfeature_linear | symmetrical ripple crest asymmetrical ripple paleoflow imbrication paleoflow flute tool mark prod mark parting lineation trough axis slump fold hinge slump fold hinge, S slump fold hinge, Z 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 | Linear, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------------|---|---------------------------------|
| subfeature_overprint | fault zone shear zone breccia zone alteration zone mineralization zone metamorphic facies zone | OverprintZones, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|--|---------------------------------|
| subfeature_planar | bedding eutaxitic layering igneous layering igneous layering, pillows flow layering compositional layering crossbed foreset stylolitic surface 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 fault plane, horizontal fault plane, vertical dip-slip shear band, unknown sense shear band, normal shear band, reverse shear band, dextral shear band, sinistral shear band, horizontal shear band, vertical dip-slip shear zone, unknown sense shear zone, normal shear zone, reverse shear zone, dextral shear zone, sinistral | Planar, SUBFEATURE |

| | | |
|--|---|--|
| | shear zone, dextral-normal shear zone, dextral-reverse shear zone, sinistral-normal shear zone, sinistral-reverse shear zone, horizontal shear zone, vertical dip-slip 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 | |
|--|---|--|

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|--|---------------------------------|
| subfeature_sections | type section reference section study section | MeasuredSections, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|---|---------------------------------|
| subfeature_stations | visited station remote ground observation aerial observation photograph only imagery observation archival observation historical published observation isolated outcrop, location only | Stations, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------------|---|---------------------------------|
| subfeature_thin_lith | dyke sill vein marker bed distinctive lithology thin stratigraphic unit discontinuous thin unit | ThinLithologies, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|---|---------------------------------|
| subfeature_traces | bedding form line foliation form line undefined form line joint lineament geophysical anomaly, positive geophysical anomaly, negative structural line of section seismic survey line geophysical survey line unique – see description | Traces, SUBFEATURE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|------------------|---|---------------------------------|
| subfeature_wells | oil gas oil and gas water steam dry unknown | Wells, SUBFEATURE |

OTHER DOMAINS

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|--------------------|--|-----------------------------|
| alt_min_distributn | selective pervasive pervasive patchy fracture controlled fracture-coating disseminated replacement selvages vein | AltnMineraliztn, DISTRIBUTN |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|--------------|---|--------------------------|
| alt_min_unit | all host rock intrusion other, see remarks | AltnMineraliztn, UNIT |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|--|-------------------------------------|
| attitude_structures | upright overturned upright, assumed from archival data not applicable | Faults, ATTITUDE Folds, ATTITUDE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|---|--|
| 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) | Lithologies, BEDDING_MN Lithologies, BEDDING_MX |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------|----------------|--|
| borehole_units | metres feet | Wells, TD_UNITS DrillHoles, LENGTH_UN |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---|
| confidence | defined approximate inferred concealed | Contacts, CONFIDENCE DriftContacts, CONFIDENCE ThinLithologies, CONFIDENCE Faults, CONFIDENCE Folds, CONFIDENCE Isograds, CONFIDENCE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| dip_descr | gently inclined (0–30) moderately inclined (31–60) steeply inclined (61–90) not applicable | Planar, DIP_DESCR |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|--|
| direction | N NE E SE S SW W NW inward outward undefined not applicable | Faults, HWALL_DIR Isograds, MIN_DIR |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-----------------|---|--------------------------------------|
| direction_folds | N NE E SE S SW W NW undefined not applicable | Folds, FOLDTREND Folds, ARROW_DIR |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------------|----------------------|---------------------------------|
| drillholes_oriented | yes no unknown | DrillHoles, ORIENTED |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|--|
| elev_meth | GPS altimeter 50k topo map 250k topo map 50k DEM 250k DEM approximated from archival documents not recorded, historical data not applicable | Stations, ELEV_METH DrillHoles, ELEV_METH |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|--|
| evid_from | field observation spectral imagery geophysical survey data topography bathymetry historical source undefined source | Contacts, EVID_FROM DriftContacts, EVID_FROM ThinLithologies, EVID_FROM Faults, EVID_FROM Folds, EVID_FROM |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|--|
| flattening | S tectonite S>L S>=L S=L S<=L S<L L tectonite not applicable | Planar, FLATTENING Linear, FLATTENING |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|------------------|--|---------------------------------|
| fossil_type_work | macropaleontology micropaleontology ichnology conodonts foraminifera palynology radiolaria | Fossils, TYPE_WORK |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|---|
| generation | primary first second third fourth multi-generation undefined | Planar, GENERATION Linear, GENERATION Faults, GENERATION Folds, GENERATION |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|--|---------------------------------|
| geochron_age_qual | direct maximum direct minimum direct estimate maximum estimate minimum estimate unverified not applicable | Geochronology, AGE_QUAL |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-------------------|--|---------------------------------|
| geochron_age_type | alteration cooling igneous crystallization deposition detrital diagenesis inheritance lower intercept metamorphic metasomatic mineralization model age neocrystallization Pb loss peak metamorphic thermal disturbance protolith age recrystallization reset retrogression xenocryst not assigned | Geochronology, AGE_TYPE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|--------------------|--|---------------------------------|
| geochron_type_work | Ar/Ar Fission Track K/Ar Lu/Hf Pb-evap Pb/Pb Radiocarbon Rb/Sr Re/Os Sm/Nd U/Pb U-Th/He | Geochronology, TYPE_WORK |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|--|
| 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 | Lithologies, GR_SIZE_MN Lithologies, GR_SIZE_MX |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|--|
| hor_datum | NAD83 NAD27 WGS84 not applicable | Stations, UTM_DATUM Stations, GEO_DATUM Photos, GEO_DATUM Wells, GEO_DATUM DrillHoles, GEO_DATUM MineralOccurrences, GEO_DATUM MeasuredSections, GEO_DATUM |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|------------------|---|
| include_hc | yes no | Stations, INCLUDE_HC Lithologies, INCLUDE_HC LithologyMinerals, INCLUDE_HC Planar, INCLUDE_HC Linear, INCLUDE_HC AltnMineraliztn, INCLUDE_HC Photos, INCLUDE_HC Fossils, INCLUDE_HC Geochronology, INCLUDE_HC Wells, INCLUDE_HC DrillHoles, INCLUDE_HC MineralOccurrences, INCLUDE_HC SmallMapUnits, INCLUDE_HC Notes, INCLUDE_HC Contacts, INCLUDE_HC DriftContacts, INCLUDE_HC GeolUnitConstruct, INCLUDE_HC ThinLithologies, INCLUDE_HC Faults, INCLUDE_HC Folds, INCLUDE_HC MeasuredSections, INCLUDE_HC Traverses, INCLUDE_HC Traces, INCLUDE_HC Limits, INCLUDE_HC Isograds, INCLUDE_HC OverprintZones, INCLUDE_HC DriftMapUnits, INCLUDE_HC Sources, INCLUDE_HC |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|---------------------------------|
| int_confid | confident moderate not confident not applicable | Lithologies, INT_CONFID |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|--|
| lith_contact | angular unconformity covered diffuse disconformity erosional exposure surface faulted gradational intrusive karstic missing nonconformity sharp sheared unconformity other, see contact notes | Lithologies, CONTACT_U Lithologies, CONTACT_L |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|---------------------------------|
| lith_group | plutonic volcanic volcaniclastic sedimentary metamorphic metaplutonic metavolcanic metavolcaniclastic metasedimentary tectonite hydrothermal | Lithologies, LITHGROUP |

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

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-----------------|--|---------------------------------|
| lith_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 | Lithologies, OCCURRENCE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| loc_method | GPS 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 | Stations, LOC_METHOD |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|----------------------------------|
| method | measured at station estimated at station estimated remotely calculated from data calculated from imagery acquired from historical data | Planar, METHOD Linear, METHOD |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| min_occ_rank | gossan anomaly showing prospect developed prospect deposit production past production unknown | MineralOccurrences, RANK |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| mineral_form | anhedral euhedral subhedral other, see remarks | LithologyMinerals, FORM |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|---------------------------------|
| mineral_habit | acicular circular columnar equant fibrous flaky granular lath-like massive prismatic pseudo-hexagonal tabular other, see remarks | LithologyMinerals, HABIT |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| 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 | Faults, MOVEMENT |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|---------------------------------|
| oc_quality | excellent outcrop good outcrop poor outcrop scattered outcrop subcrop float/rubble talus/scree felsenmeer vegetation covered burrow debris borehole glacial erratic | Stations, OC_QUALITY |

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

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

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|-----------------|--|---------------------------------|
| planar_attitude | inclined inclined, upright inclined, overturned <180 inclined, overturned >180 vertical horizontal horizontal, upright horizontal, overturned | Planar, ATTITUDE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|--|
| release | ESS project only ESS project only, confidential public | Stations, RELEASE Lithologies, RELEASE LithologyMinerals, RELEASE Planar, RELEASE Linear, RELEASE AltnMineraliztn, RELEASE Photos, RELEASE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|--------------------|---------------------------------------|---------------------------------|
| section_confidence | defined approximate obliterated | MeasuredSections, CONFIDENCE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| sense_evid | asymmetric deformable fibres asymmetric extensional shear bands asymmetric fold asymmetric inclusion trail asymmetric rigid fibres back-rotated swell C/S fabric deflection of foliation foliation fish mineral fibres offset of marker pressure shadows quarter structures quartz fabric rotated porphyroblast sheath folds sigmoid tension gashes striae or grooves winged inclusion winged porphyroclast no sense of motion evidence | Planar, SENSE_EVID |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|----------------------------------|
| strain | no strain massive weak moderate strong intense | Planar, STRAIN Linear, STRAIN |

| DOMAIN | PICK LIST | TABLE, ATTRIBUTE |
|---------------|--|--|
| sym_type | H1 H2 H3 H4 H5 M1 M2 M3 M4 M5 L1 L2 L3 L4 L5 F1 F2 F3 F4 F5 | MasterLegendTable_MapUnits, SYM_TYPE MasterLegendTable_OtherGeology, SYM_TYPE |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|---------------------------------|
| UTM_lat_zn | T U V W X not applicable | Stations, UTM_LAT_ZN |

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

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|---|--|
| vert_datum | WGS84 CGVD28 CGVD2013 Mean Sea Level not applicable | Stations, VERT_DATUM DrillHoles, VERT_DATUM |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|----------------|---|---------------------------------|
| wells_activity | abandoned suspended drilled and cased flowing pumping producing testing injection disposal undefined | Wells, ACTIVITY |

| DOMAIN | PICK LIST | FEATURE CLASS, ATTRIBUTE |
|---------------|--|-------------------------------------|
| young_evid | younging known, sedimentary structure younging known, igneous structure younging known, stratigraphic order younging inferred, stratigraphic order younging inferred, bedding-cleavage younging evidence unknown, historical data no younging evidence younging evidence not applicable | Planar, YOUNG_EVID |