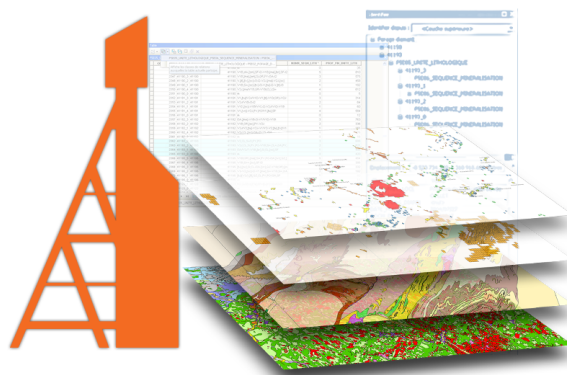


SIGÉOM

Surficial landform

Data model and domain value

Version 1.0
June 13, 2018



Direction de l'information géologique du Québec
Ministère de l'Énergie et des Ressources naturelles

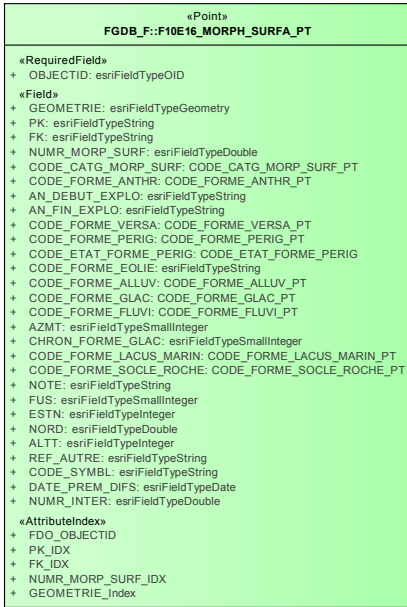
Contact: service.mines.gouv.qc.ca

Data model - Surficial landform

Surfacial landform describes all elements of surface morphology. It is divided into several categories: glacial forms, eolian structures, etc. Ex.: polygonal soils, beach ridge, esker.

Legend

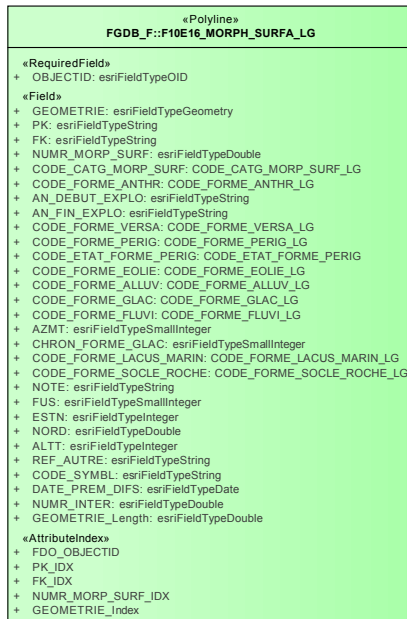
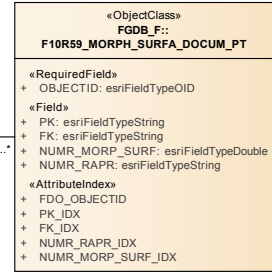
- Feature class
- Table



F10E16_MORPH_SURFA_PT_F10R59_MORPH_SURFA_DOCUM_PT

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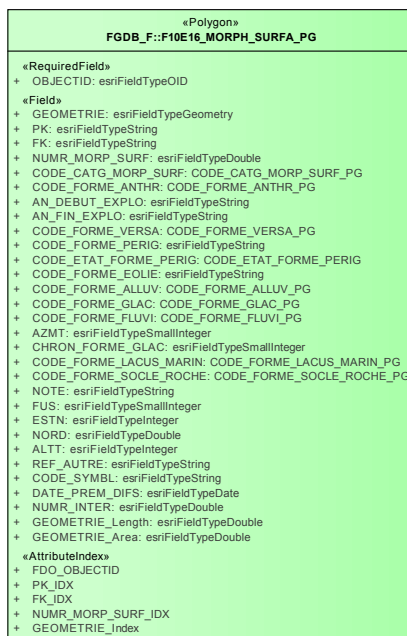
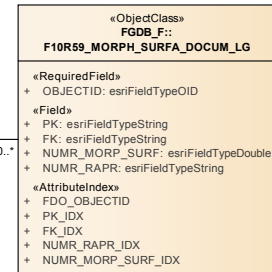
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F10E16_MORPH_SURFA_LG_F10R59_MORPH_SURFA_DOCUM_LG

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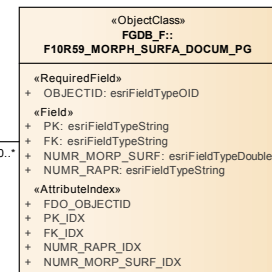
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F10E16_MORPH_SURFA_PG_F10R59_MORPH_SURFA_DOCUM_PG

1

0..*



«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_CATG_MORP_SURF_PG

◆ ANT = Anthropics landforms

◆ FLU = Glacial-fluvial landforms

◆ SOC = Bedrock landforms

◆ VER = Slope landforms

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_ETAT_FORME_PERIG

◆ DE = Decrepitude

◆ NA = Unaltered

◆ RE = Relic

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_FORME_ANTHR_PG

◆ AGR = Rehabilitated gravel pit

◆ ED = Settling pond

◆ GSG = Gravel, Sand pit

◆ MCG = Mine or quarry

◆ RM = Mine tailings

◆ TE = Exploited peatland

◆ ZR = Fill area (ex.tailing)

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_FORME_GLAC_PG

◆ MB = MB

◆ MD = MD

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_FORME_FLUVI_PG

◆ CP = Proglacial channel

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_FORME_SOCLE_ROCHE_PG

◆ ZRG = Rock regolith zone

«Domain value - F10E16_MORPH_SURFA_PG»

Champ: CODE_FORME_VERSA_PG

◆ AS = Area covered with a thin layer of altered shale.

◆ DAG = Ring-shaped depression (Proportional size)

◆ ZG = Reworked sediment by landslide

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_CATG_MORP_SURF_LG

- ◆ ALL = Alluvial landforms
- ◆ EOL = Aeolian landforms
- ◆ FLU = Glacial-fluvial landforms
- ◆ GLA = Glacial Landforms
- ◆ LAC = Lacustrine or marine landforms
- ◆ PER = Periglacial landforms
- ◆ SOC = Bedrock landforms
- ◆ VER = Slope landforms

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_ALLUV_LG

- ◆ BA = Alluvial levee
- ◆ CC = Stream channel (known flow direction)
- ◆ CFEI = Stream channel (unknown flow direction)
- ◆ CGL = Drift ice ridge
- ◆ RM = Gully (minor)
- ◆ RR = Gully edge
- ◆ TF = Fluvial terrace edge

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: **CODE_FORME_EOLIE_LG**

◆ DUNE = Dune

◆ FEND = Undifferentiated aeolian form

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_FLUVI_LG

- ◆ CFI = Meltwater channel, undifferentiated
- ◆ CJ = Ice-contact channel
- ◆ EC = Esker (known flow direction)
- ◆ EE = Buried esker ridge
- ◆ EI = Esker (unknown flow direction)
- ◆ GCSG = Subglacial channel (large)
- ◆ GK = Kettle (large)
- ◆ PCSG = Subglacial channel (small)
- ◆ PCSGI = Small subglacial channel (known direction)
- ◆ RGCP = Edge of large proglacial channel
- ◆ TJ = Ice-contact terrace

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_GLAC_LG

- ◆ AG = Glacial ridge
- ◆ CGG = Giant glacial groove
- ◆ CIG = Glacial cirque
- ◆ CMMA = Major morainic ridge
- ◆ CMMI = Minor morainic ridge
- ◆ DR = Rock-cored drumlin (actual length)
- ◆ DU = Drumlin (actual length)
- ◆ MD = Desintegration moraine
- ◆ MG = De Geer moraine (actual length)
- ◆ MR = Rogen moraine (ribbed moraine)
- ◆ TMD = Tapered morainic train (or drumlinoid)
- ◆ TMF = Tapered morainic train

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_LACUS_MARIN_LG

- ◆ CDLP = Glacial-lake spillway channel
- ◆ CP = Beach ridge
- ◆ GEG = Glaciolacustrine erosional shelf
- ◆ LL = Lacustrine limit
- ◆ LM = Marine limit
- ◆ RT = Terrace edge
- ◆ RTL = Lacustrine terrace edge
- ◆ RTM = Marine terrace edge
- ◆ TSI = Iceberg furrow

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_PERIG_LG

◆ LG = Gelifluction Lobe

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: CODE_FORME_SOCLE_ROCHE_LG

◆ DLR = Linear depression related to bedrock

◆ DRP = Dyke (positive relief)

◆ RER = Rock escarpment edge

«Domain value - F10E16_MORPH_SURFA_LG»

Champ: **CODE_FORME_VERSA_LG**

◆ CGT = Landslide scar (and direction movement)

◆ CLA = Avalanche corridor

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_CATG_MORP_SURF_PT

- ◆ ALL = Alluvial landforms
- ◆ ANT = Anthropics landforms
- ◆ FLU = Glacial-fluvial landforms
- ◆ GLA = Glacial Landforms
- ◆ LAC = Lacustrine or marine landforms
- ◆ PER = Periglacial landforms
- ◆ SOC = Bedrock landforms
- ◆ VER = Slope landforms

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_ALLUV_PT

◆ CA = Alluvial fan

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_ANTHR_PT

◆ GS = Gravel, Sand pit (active)

◆ GSA = Gravel, Sand pit (abandoned)

◆ MC = Mine or quarry (active)

◆ MCA = Mine or quarry (abandoned)

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_FLUVI_PT

◆ CBD = Boulder field

◆ DJ = Ice-contact delta (or delta kame)

◆ K = Kame

◆ PK = Kettle (small)

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_GLAC_PT

◆ MB = Hummocky moraine

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_LACUS_MARIN_PT

◆ CDG = Glaciomarine diamict section

◆ DIND = Delta unspecified

◆ DP = Delta (small)

◆ SF = Fossil site

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_PERIG_PT

◆ BC = Cryogenic mound (palsa, etc)

◆ DT = Thermokarst depression

◆ FE = Felsenmeer

◆ GR = Rock glacier

◆ SP = Polygonal soil

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_SOCLE_ROCHE_PT

◆ ARI = Isolated outcrop

◆ ARP = Probable outcrop

◆ TOR = Tor

«Domain value - F10E16_MORPH_SURFA_PT»

Champ: CODE_FORME_VERSA_PT

◆ CD = Debris flow (Cone)

◆ CE = Talus cone

◆ CNA = Avalanche cone

◆ DA = Ring-shaped depression (< 10 m²)

◆ GP = Pellicular landslide

◆ TE = Talus slope