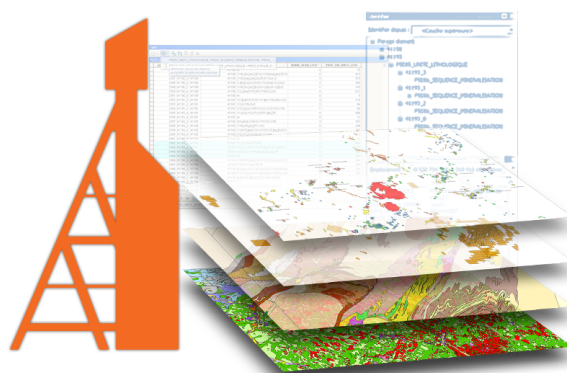




Construction materials and industrial stones

Data model and domain value

Version 1.0
June 6, 2018



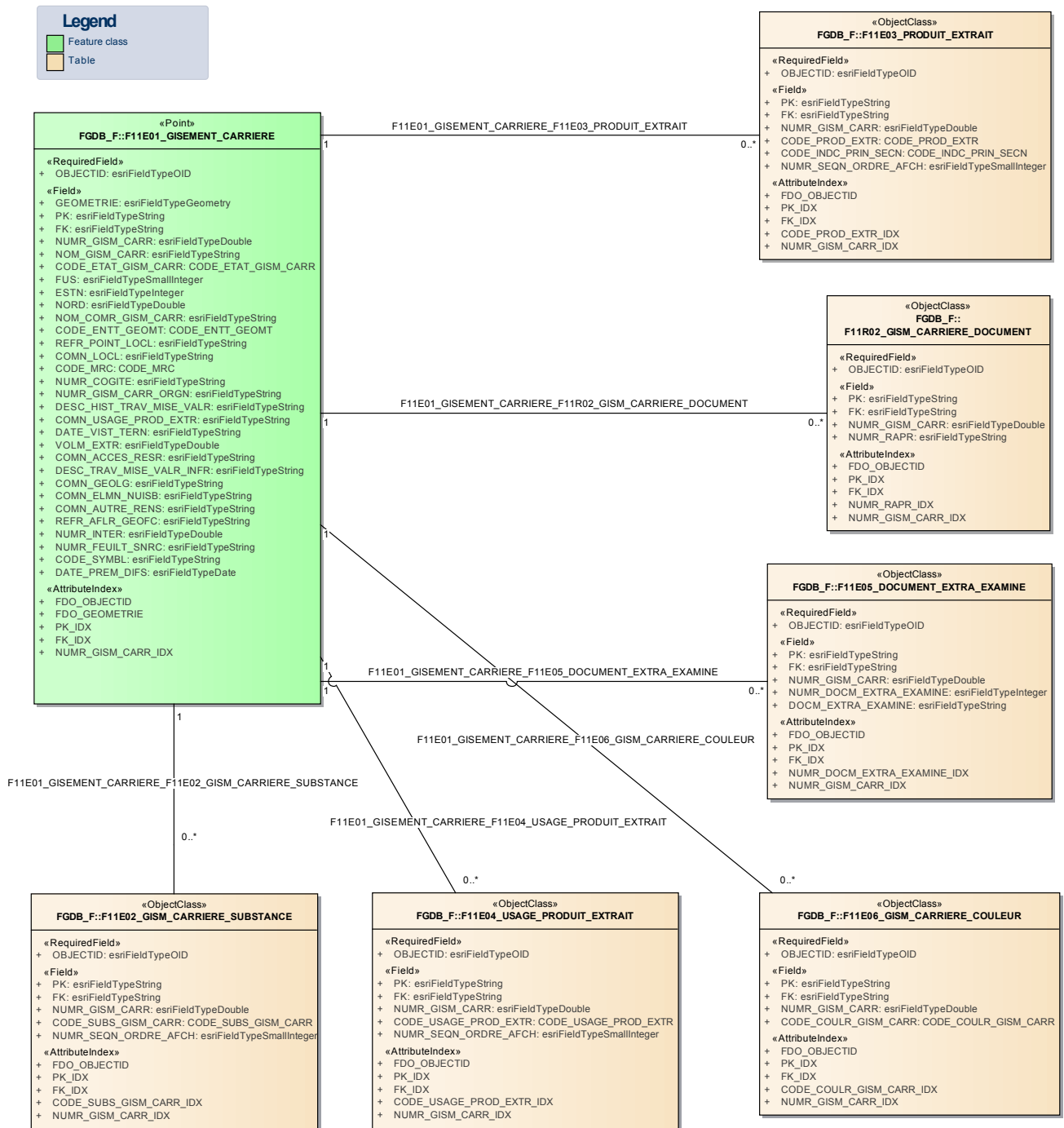
Direction de l'information géologique du Québec
Ministère de l'Énergie et des Ressources naturelles

Contact: service.mines.gouv.qc.ca

Québec 

Data model - Construction materials and industrial stones

This product includes deposits or quarries of architectural stone, crushed stone and industrial stone. Architectural stone includes construction stone and ornamental stone. Crushed stone includes all forms of aggregates. Industrial stone includes all stone exploited for industrial purposes which requires no (or little) transformation.



«Domain value F11E01_GISEMENT_CARRIERE»

Champ: CODE_ENTT_GEOMT

- ◆ AC = Compilation outcrop
- ◆ AG = Géofiche outcrop
- ◆ AN = Anomaly
- ◆ AT2QC = Atlas - All Québec
- ◆ BE = Erratic boulder
- ◆ BEQ = Erratic boulder
- ◆ BOL = Document
- ◆ CA = Outcrop outline
- ◆ CAM = Restrictions to mining
- ◆ CC = Colour map element
- ◆ CE = Exploration target
- ◆ CEPG = Exploration target polygon
- ◆ CEPT = Exploration target dot
- ◆ CGG = General geological contact
- ◆ CM = Mineralized body
- ◆ CO = Geological contact
- ◆ CQ = Contour
- ◆ CS = Ridge and furrow
- ◆ DA = Dating
- ◆ DC = Chronological data

- ◆ DE = Delta
- ◆ DG = Granular deposit
- ◆ DOC = Document
- ◆ DU = User data
- ◆ EF = Shape produced by melt-water
- ◆ EK = Esker
- ◆ EQ = Scarp
- ◆ ER = Rock sample
- ◆ ES = Sediment sample
- ◆ FD = Diamond drilling
- ◆ FG = General fault
- ◆ FM = Overburden drilling
- ◆ FQ = Glacial shape
- ◆ FR = Regional fault
- ◆ GE = Geochronology
- ◆ GM = Metallic deposit
- ◆ GME = Glacial erosional forms
- ◆ GNM = Non-metallic deposit
- ◆ HCL = Map framework & accessories location map
- ◆ HC1A1 = Map framework & accessories CG1 20k SW
- ◆ HC1A2 = Map framework & accessories CG1 20k SE
- ◆ HC1A3 = Map framework & accessories CG1 20k NW

- ◆ HC1A4 = Map framework & accessories CG1 20k NE
- ◆ HC1B = Map framework & accessories CG1 50k
- ◆ HC2A1 = Map framework & accessories CG2 20k SW
- ◆ HC2A2 = Map framework & accessories CG2 20k SE
- ◆ HC2A3 = Map framework & accessories CG2 20k NW
- ◆ HC2A4 = Map framework & accessories CG2 20k NE
- ◆ HC2B = Map framework & accessories CG2 50k
- ◆ HC3A1 = Map framework & accessories CG3 20k SW
- ◆ HC3A2 = Map framework & accessories CG3 20k SE
- ◆ HC3A3 = Map framework & accessories CG3 20k NW
- ◆ HC3A4 = Map framework & accessories CG3 20k NE
- ◆ HC3B = Map framework & accessories CG3 50k
- ◆ HC4A1 = Map framework & accessories CG4 20k SW
- ◆ HC4A2 = Map framework & accessories CG4 20k SE
- ◆ HC4A3 = Map framework & accessories CG4 20k NW
- ◆ HC4A4 = Map framework & accessories CG4 20k NE
- ◆ HC4B = Map framework & accessories CG4 50k
- ◆ HF = Map framework & accessories NTS map-sheet
- ◆ HGG1 = Map framework & accessories geology/gitology 50k
- ◆ HGRA1 = Map framework & access. geochemistry rock 20k SW
- ◆ HGRA2 = Map framework & access. geochemistry rock 20k SE
- ◆ HGRA3 = Map framework & access. geochemistry rock 20k NW
- ◆ HGRA4 = Map framework & access. geochemistry rock 20k NE

- ◆ HGRB = Map framework & accessories rock geochemistry 50k
- ◆ HGS = Map framework & access. sediment geochemistry 50k
- ◆ HG21 = Map framework & access. geology/petrology 250k
- ◆ HI1B = Map framework + accessories PI1 50k
- ◆ HI1C = Map framework + accessories PI1 250k
- ◆ HPICA = Map framework & accessories Picot 250K
- ◆ HPICB = Map framework & accessories Picot 50K
- ◆ HPOMA = Map framework & accessories mineral potential 250k
- ◆ HP1A1 = Map framework & accessories INPUT 20K SW
- ◆ HP1A2 = Map framework & accessories INPUT 20K SE
- ◆ HP1A3 = Map framework & accessories INPUT 20K NW
- ◆ HP1A4 = Map framework & accessories INPUT 20K NE
- ◆ HP1B = Map framework & accessories INPUT 50K
- ◆ HP1C = Map framework & accessories INPUT 250K
- ◆ HP2A1 = Map framework & accessories EM 20k SW
- ◆ HP2A2 = Map framework & accessories EM 20k SE
- ◆ HP2A3 = Map framework & accessories EM 20k NW
- ◆ HP2A4 = Map framework & accessories EM 20k NE
- ◆ HP2B = Map framework & accessories EM 50k
- ◆ HP2C = Map framework & accessories EM 250k
- ◆ HP3A1 = Map framework & accessories MAG 20K SW
- ◆ HP3A2 = Map framework & accessories MAG 20K SE

- ◆ HP3A3 = Map framework & access. MAG 20K NW
- ◆ HP3A4 = Map framework & access. MAG 20K NE
- ◆ HP3B = Map framework & accessories MAG 50K
- ◆ HP3C = Map framework & accessories MAG 250K
- ◆ HP4A1 = Map framework & access. magnetic gradient 20k SW
- ◆ HP4A2 = Map framework & access. magnetic gradient 20k SE
- ◆ HP4A3 = Map framework & access. magnetic gradient 20k NW
- ◆ HP4A4 = Map framework & access. magnetic gradient 20k NE
- ◆ HP4B = Map framework & access. magnetic gradient 50k
- ◆ HP4C = Map framework & access. magnetic gradient 250k
- ◆ HQ1A1 = Map framework + accessories GQ1 20k SW
- ◆ HQ1A2 = Map framework + accessories GQ1 20k SE
- ◆ HQ1A3 = Map framework + accessories GQ1 20k NW
- ◆ HQ1A4 = Map framework + accessories GQ1 20k NE
- ◆ HQ1B = Map framework + accessories GQ1 50k
- ◆ HRC = Map framework & accessories conductivity
- ◆ HRG = Map framework & access. magnetic field gradient
- ◆ HRM = Map framework & accessories magnetic field
- ◆ HT1A1 = Map framework + accessories TG1 20k SW
- ◆ HT1A2 = Map framework + accessories TG1 20k SE
- ◆ HT1A3 = Map framework + accessories TG1 20k NW
- ◆ HT1A4 = Map framework + accessories TG1 20k NE

◆ HT1B = Map framework + accessories TG1 50k

◆ HY = Hydrography

◆ IG = Isograd

◆ IM = Mining installation

◆ IR = Raster image

◆ ISV = Isoline

◆ LA = Old geomining survey

◆ LG = Geomining survey

◆ LI = Lineament

◆ LZ = Pseudo-boundary of the geological zone

◆ MA = Atlas

◆ MDS = Surficial landform

◆ MDSLGL = Surficial landform line

◆ MDSPG = Surficial landform polygon

◆ MDSPT = Surficial landform dot

◆ MEG = Erosion glaciaire mark

◆ MP = Mines and projects

◆ OR = Orography

◆ PEM = Mining property

◆ PI = Construction materials and industrial stone

◆ PIC = Picot symbol

◆ PL = Local geophysics

◆ PLA = Placer

- ◆ PM = Planimetric
- ◆ PO = Granular observation
- ◆ POM = Mineral potential
- ◆ PP = Paleogeographic position
- ◆ PR = Regional fold
- ◆ PRG = General fold
- ◆ PRO = Field project
- ◆ PU = Hydrogeology puit
- ◆ RC = Conductivity
- ◆ RG = Magnetic field vertical gradient
- ◆ RM = Magnetic field
- ◆ SG = Glacial striation
- ◆ SGE = Outstanding geological sites
- ◆ SGEO = Geological subdivision
- ◆ SGRPG = Granular site Polygon
- ◆ SGRPT = Granular site Dot
- ◆ SLIN = Linear structure folds
- ◆ SNRC = Layer SNRC
- ◆ SO = Peat observation point
- ◆ SOQ = Quaternary observation site
- ◆ SP = Paleontological site
- ◆ SPLA = Planar structure

- ◆ SS = Stratigraphic site
- ◆ TM = Mineral titles
- ◆ TMD = Mining Title on demand
- ◆ TOPO = Topology
- ◆ TRB = Peat bog
- ◆ TSLG = Count suppression LG
- ◆ TSPG = Count suppression Polygon
- ◆ TSPT = Count suppression Dot
- ◆ XX = ""Fake"" code"
- ◆ ZA = Outcrop area
- ◆ ZD = Scuffed zone
- ◆ ZF = Favorable area
- ◆ ZG = Geological zone
- ◆ ZGG = General geological zone
- ◆ ZGP = Geological zone centroid
- ◆ ZGPT = Geo zone dot
- ◆ ZL = Alteration zone
- ◆ ZLG = Zone LG
- ◆ ZM = Mineralized zone
- ◆ ZMS = Morpho-sedimentological zone
- ◆ ZQ = Morphosedimentological zone
- ◆ ZQP = Morphosedimentological zone centroid

◆ ZS = Sensitive area

«Domain value F11E01_GISEMENT_CARRIERE»

Champ: CODE_ETAT_GISM_CARR

CA = Active quarry

CF = Disused quarry

CI = Intermittent quarry

G = Deposit

«Domain value F11E01_GISEMENT_CARRIERE»

Champ: CODE_MRC

01023 = Les Îles-de-la-Madeleine

01042 = Grosse-Île

020 = Le Rocher-Percé

030 = La Côte-de-Gaspé

040 = La Haute-Gaspésie

050 = Bonaventure

060 = Avignon

070 = La Matapédia

080 = Matane

090 = La Mitis

100 = Rimouski-Neigette

110 = Les Basques

120 = Rivière-du-Loup

130 = Témiscouata

140 = Kamouraska

150 = Charlevoix-Est

160 = Charlevoix

170 = L'Islet

180 = Montmagny

190 = Bellechasse

◆ 200 = L'Île-d'Orléans

◆ 210 = La Côte-de-Beaupré

◆ 220 = La Jacques-Cartier

◆ 23015 = Notre-Dame-des-Anges

◆ 23027 = Québec

◆ 23057 = L'Ancienne-Lorette

◆ 23072 = Saint-Augustin-de-Desmaures

◆ 25213 = Lévis

◆ 260 = La Nouvelle-Beauce

◆ 270 = Robert-Cliche

◆ 280 = Les Etchemins

◆ 290 = Beauce-Sartigan

◆ 300 = Le Granit

◆ 310 = Chaudière-Appalaches

◆ 320 = L'Érable

◆ 330 = Lotbinière

◆ 340 = Portneuf

◆ 350 = Mékinac

◆ 36033 = Shawinigan

◆ 37067 = Trois-Rivières

◆ 372 = Les Chenaux

◆ 380 = Bécancour

- ◆ 390 = Arthabaska
- ◆ 400 = Les Sources
- ◆ 410 = Le Haut-Saint-François
- ◆ 420 = Le Val-Saint-François
- ◆ 43027 = Sherbrooke
- ◆ 440 = Coaticook
- ◆ 450 = Memphrémagog
- ◆ 460 = Brome-Missisquoi
- ◆ 470 = La Haute-Yamaska
- ◆ 480 = Acton
- ◆ 490 = Drummond
- ◆ 500 = Nicolet-Yamaska
- ◆ 510 = Maskinongé
- ◆ 520 = D'Autray
- ◆ 530 = Le Bas-Richelieu
- ◆ 540 = Les Maskoutains
- ◆ 550 = Rouville
- ◆ 560 = Le Haut-Richelieu
- ◆ 570 = La Vallée-du-Richelieu
- ◆ 58007 = Brossard
- ◆ 58012 = Saint-Lambert
- ◆ 58033 = Boucherville
- ◆ 58037 = Saint-Bruno-de Montarville

◆ 58227 = Longueuil

◆ 590 = Lajemmerais

◆ 600 = L'Assomption

◆ 610 = Joliette

◆ 620 = Matawinie

◆ 630 = Montcalm

◆ 640 = Les Moulins

◆ 65005 = Laval

◆ 66007 = Montréal-Est

◆ 66023 = Montréal

◆ 66032 = Westmount

◆ 66047 = Montréal-Ouest

◆ 66058 = Côte-Saint-Luc

◆ 66062 = Hampstead

◆ 66072 = Mont-Royal

◆ 66087 = Dorval

◆ 66092 = L'Île-Dorval

◆ 66097 = Pointe-Claire

◆ 66102 = Kirkland

◆ 66107 = Beaconsfield

◆ 66112 = Baie-D'Urfé

◆ 66117 = Sainte-Anne-de-Bellevue

- 66127 = Senneville
- 66142 = Dollard-des-Ormeaux
- 670 = Roussillon
- 680 = Les Jardins-de-Napierville
- 690 = Le Haut-Saint-Laurent
- 700 = Beauharnois-Salaberry
- 710 = Vaudreuil-Soulanges
- 720 = Deux-Montagnes
- 730 = Thérèse-De Blainville
- 740 = Mirabel
- 750 = La Rivière-du-Nord
- 760 = Argenteuil
- 770 = Les Pays-d'en-Haut
- 780 = Les Laurentides
- 790 = Antoine-Labelle
- 800 = Papineau
- 81017 = Gatineau
- 820 = Les Collines-de-l'Outaouais
- 830 = La Vallée-de-la-Gatineau
- 840 = Pontiac
- 850 = Témiscamingue
- 860 = Rouyn-Noranda

86042 = Rouyn-Noranda

870 = Abitibi-Ouest

880 = Abitibi

890 = La Vallée de l'Or

90012 = La Tuque

90017 = La Bostonnais

90027 = Lac-Édouard

910 = Le Domaine-du-Roy

920 = Maria-Chapdelaine

930 = Lac-Saint-Jean-Est

94068 = Saguenay

942 = Le Fjord-du-Saguenay

950 = La Haute-Côte-Nord

960 = Manicouagan

971 = Sept-Rivières

972 = Caniapiscau

98005 = Blanc-Sablon

98010 = Bonne-Espérance

98012 = Saint-Augustin

98014 = Gros-Mécatina

98015 = Côte-Nord-du-Golf-du-Saint-Laurent

981 = Minganie

99005 = Lebel-sur-Quévillon

📍 99015 = Matagami

📍 99020 = Chapais

📍 99025 = Chibougamau

📍 99060 = Baie-James

📍 991 = Jamésie

📍 992 = Kativik

📍 993 = Eeyou istchee

«Domain value F11E02_GISM_CARRIERE_SUBSTANCE»

Champ: CODE_SUBS_GISM_CARR

◆ ag = Clay

◆ bl = Block

◆ bt = Bentonite

◆ DO = Diatomite

◆ I = Intrusive rock

◆ I1 = Felsic intrusive rocks

◆ I2 = Intermediate intrusive rocks

◆ I3 = Mafic intrusive rocks

◆ I4 = Ultramafic/ultrabasic intrusive rocks

◆ M1 = Gneiss

◆ M12 = Quartzite

◆ M13 = Marble (crystalline limestone)

◆ M14 = Calc-silicate rock

◆ M15 = Metasomatic rocks (including skarn & tactite)

◆ M16 = Amphibolite

◆ M18 = Hornfels

◆ M8 = Schist

◆ sa = Sand

◆ S1 = Sandstone

◆ S10 = Chert

◆ S4 = Conglomerate

◆ S6 = Mudrock

◆ S7 = Limestone

◆ S8 = Dolomite

◆ V = Volcanic rocks

◆ V1 = Felsic volcanic rocks

◆ V2 = Intermediate volcanic rocks

◆ V3 = Mafic volcanic rocks

◆ V4 = Ultramafic/ultrabasic volcanic rocks

◆ XXXX = ""Fake"" code"

«Domain value F11E03_PRODUIT_EXTRAIT»

Champ: CODE_INDC_PRIN_SECN

◆ P = Principal

◆ S = Secondary

«Domain value F11E03_PRODUIT_EXTRAIT»

Champ: CODE_PROD_EXTR

PA = Architectural stone

PC = Crushed stone

PI = Industrial stone

«Domain value - F11E04_USAGE_PRODUIT_EXTRAIT»

Champ: CODE_USAGE_PROD_EXTR

- ◆ 1 = Dim. stone (cut,building,monu,tile,street edge)
- ◆ 10 = High-purity limestone and dolomite
- ◆ 11 = Silica sand (glass, foun., abra., cera., silic.)
- ◆ 12 = Lumpy sand (electrometallurgy, ice melters)
- ◆ 13 = Clay product (brick, drainage tile, mantel)
- ◆ 2 = Nondimensional stone (rubble, pavement)
- ◆ 3 = Ornamental aggregate
- ◆ 4 = Aggregate (road bed, bitum. conc., cement conc.)
- ◆ 5 = Coarse rock (armour stone)
- ◆ 6 = Backfill material (crusher run stone)
- ◆ 7 = Powder (soil amendment, mineral filled)
- ◆ 8 = Lime
- ◆ 9 = Cement

«Domain value - F11E06_GISM_CARRIERE_COULEUR»

Champ: CODE_COULR_GISM_CARR

◆ B = White

◆ G = Gray

◆ J = Yellow

◆ L = Blue

◆ N = Black

◆ O = Orange

◆ R = Red

◆ S = Pink

◆ T = Purple

◆ U = Brown

◆ V = Green