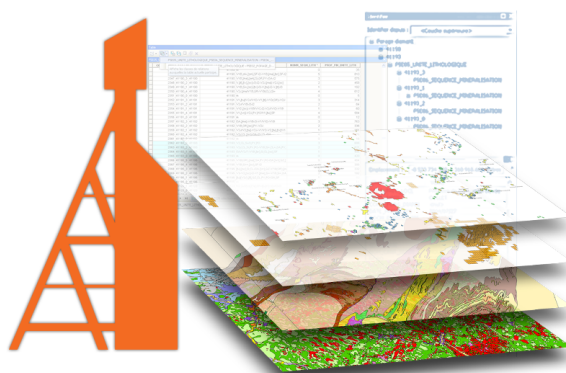


SIGÉOM

Sediment sample

Data model and domain value

Version 1.0
June 13, 2018

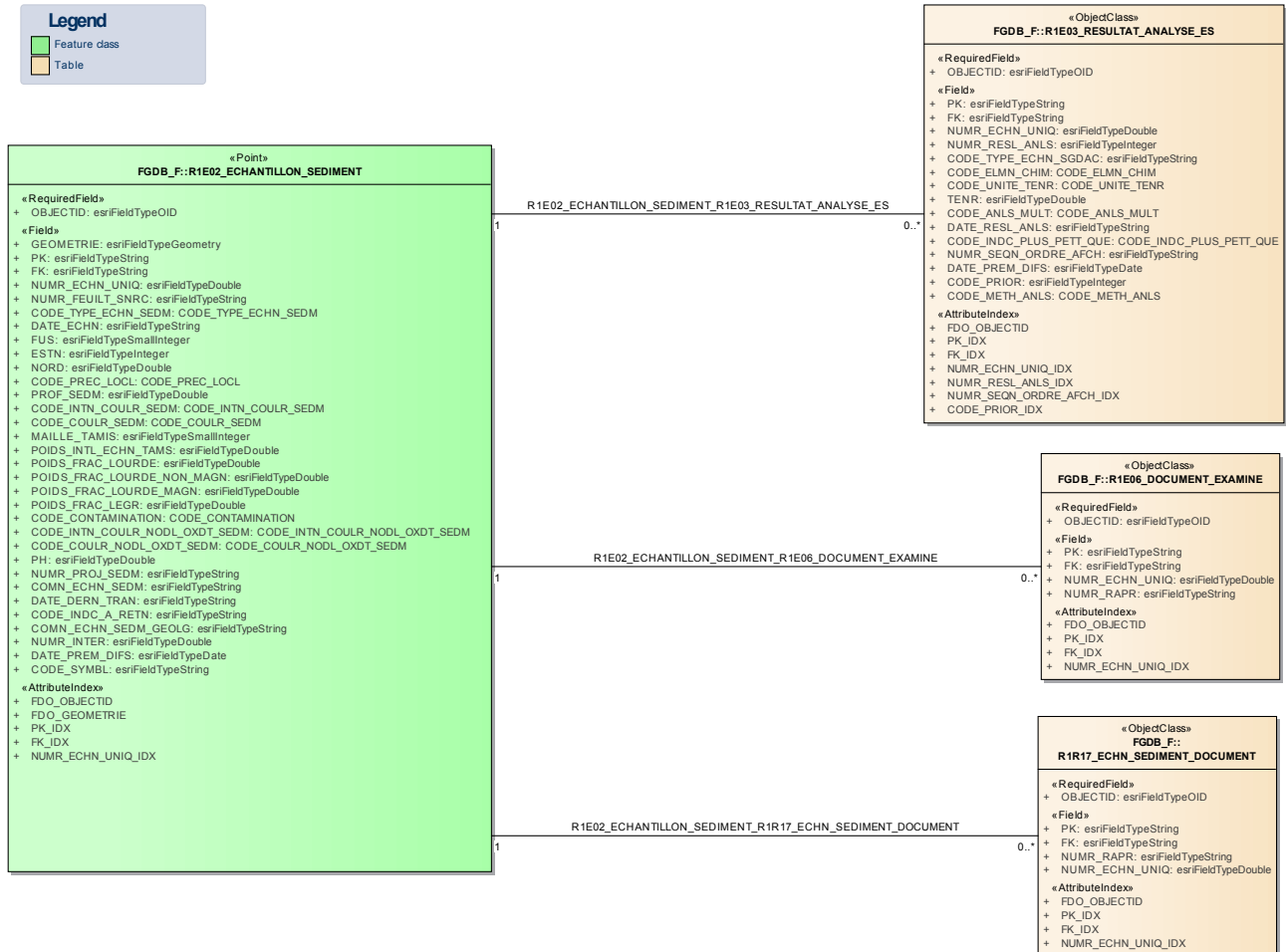


Direction de l'information géologique du Québec
Ministère de l'Énergie et des Ressources naturelles

Contact: service.mines.gouv.qc.ca

Data model - Sediment sample

The sediment samples represent the sampling of the site's secondary environment (tills, heavy minerals, brook or lake sediments, etc.) to determine the content of various chemical elements.



«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_CONTAMINATION

- ◆ 0 = No information
- ◆ 1 = Farming operations or cultivated fields
- ◆ 2 = Mining or mining exploration work
- ◆ 3 = Roadworks
- ◆ 4 = Forestry work
- ◆ 5 = Industrial
- ◆ 6 = Urban (wastewater)
- ◆ 7 = Dump
- ◆ 8 = Metallic or other waste
- ◆ 9 = Forest fire

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_COULR_NODL_OXDT_SEDM

00 = Undetermined

01 = White

02 = Grey

03 = Black

04 = Beige

05 = Yellow

06 = Ochre, rust

07 = Orange

08 = Pink

09 = Red

10 = Light brown

11 = Brown

12 = Dark brown

13 = Blue

14 = Green

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_COULR_SEDM

00 = No information

01 = White

02 = Grey

03 = Black

04 = Beige

05 = Yellow

06 = Ochre, rust

07 = Orange

08 = Pink

09 = Red

10 = Light brown

11 = Brown

12 = Dark brown

13 = Blue

14 = Green

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_INTN_COULR_NODL_OXDT_SEDM

0 = No information

1 = Low

2 = Distinct

3 = Intense

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_INTN_COULR_SEDM

0 = No information

1 = Low

2 = Distinct

3 = Intense

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: **CODE_PREC_LOCL**

0 = Indeterminate precision of location

1 = Low precision of location

2 = Medium precision of location

3 = High precision of location

«Domain value - R1E02_ECHANTILLON_SEDIMENT»

Champ: CODE_TYPE_ECHN_SEDM

- 00 = Undefined
- 01 = Undifferentiated groundwater
- 02 = Surface water
- 03 = Spring water
- 04 = Well water
- 05 = Overburden drill water
- 06 = Rock drill water
- 07 = Drill water
- 20 = Lakebottom sediments
- 30 = Undifferentiated stream sediments
- 31 = Stream sediments, heavy minerals
- 40 = Undifferentiated soil
- 41 = Soil,horizon O
- 42 = Soil,horizon AO
- 43 = Soil,horizon A
- 44 = Soil,horizon AB
- 45 = Soil,horizon B
- 46 = Soil,horizon BC
- 47 = Soil,horizon C
- 48 = Soil,horizon C,heavy minerals

- ◆ 49 = Soil, horizon C, clay, collected by drilling
- ◆ 60 = Fine fraction of undifferentiated till
- ◆ 61 = Fine fraction of till collected by pionjar
- ◆ 62 = Fine fraction of till collected by rev.circ.
- ◆ 63 = Fine fraction of till collected by rotasonic
- ◆ 64 = Fine fraction of till coll. by auger or shovel
- ◆ 65 = Fine fraction of basal-till
- ◆ 66 = Fine fraction of basal-till collected by pionjar
- ◆ 67 = Fine fraction of basal-till collect. by rev. circ.
- ◆ 68 = Fine fraction of basal-till collected by rotasonic
- ◆ 69 = Fine fraction of till, coarse part>177 microns
- ◆ 70 = Heavy fraction of undifferentiated till
- ◆ 71 = Heavy fraction of till collected by pionjar
- ◆ 72 = Heavy fraction of till collected by rev. circ.
- ◆ 73 = Heavy fraction of till collected by rotasonic
- ◆ 74 = Heavy fraction of till collect. by auger or shovel
- ◆ 75 = Heavy fraction of basal-till
- ◆ 76 = Heavy fraction of basal-till collected by pionjar
- ◆ 77 = Heavy fraction basal-till collect. by rev. circ.
- ◆ 78 = Heavy fraction of basal-till collect. by rotasonic
- ◆ 79 = Heavy fraction b.-till collect by auger or shovel
- ◆ 80 = Light fraction of undifferentiated till

- ◆ 81 = Light fraction of till collected by pionjar
- ◆ 82 = Light fraction of till collected by rev. circ.
- ◆ 83 = Light fraction of till collected by rotasonic
- ◆ 84 = Light fraction till collected by auger or shovel
- ◆ 85 = Light fraction of basal till
- ◆ 86 = Light fraction of basal-till collected by pionjar
- ◆ 87 = Light fraction basal-till collected by rev. circ.
- ◆ 88 = Light fraction of basal-till collect. by rotasonic
- ◆ 89 = Light fraction till, coarse part > 177 microns

«Domain value - R1E03_RESULTAT_ANALYSE_ES»

Champ: CODE_ANLS_MULT

◆ A = First analysis (one analysis, one method)

◆ B = Reanalysis (same or different method)

◆ C = Rare earths

◆ D = Reanalysis of Rare Earth Elements

◆ E = Others

◆ P = Partial attack analysis

«Domain value - R1E03_RESULTAT_ANALYSE_ES»

Champ: CODE_ELMN_CHIM

◆ Ac = Actinium

◆ Ag = Silver

◆ Al = Aluminum

◆ Al₂O₃ = Aluminum oxide

◆ Ar = Argon

◆ As = Arsenic

◆ At = Astatine

◆ Au = Gold

◆ B = Boron

◆ Ba = Barium

◆ BaO = Barium oxide

◆ Be = Beryllium

◆ Bi = Bismuth

◆ Br = Bromine

◆ C org = Organic carbon

◆ C tot = Total carbon

◆ Ca = Calcium

◆ CaO = Calcium oxide

◆ Cd = Cadmium

◆ Ce = Cerium

◆ Cgraph = Graphitic carbon

◆ Cl = Chloride

◆ Co = Cobalt

◆ CO₂ in = Inorganic carbon

◆ Cr = Chromium

◆ Cr₂O₃ = Chromium oxide

◆ Cs = Cesium

◆ Ct:CO₂ = Total carbon in CO₂

◆ Cu = Copper

◆ Dy = Dysprosium

◆ EGP = Elements of the platinum group

◆ Er = Erbium

◆ ETR = Rare earth minerals

◆ Eu = Europium

◆ F = Fluoride

◆ Fe = Iron

◆ Fe sol = Soluble iron

◆ FeO = Ferrous-iron oxide

◆ Fe₂O₃t = Total iron oxide

◆ Fe₂O₃v = Ferric-iron oxide

◆ Fr = Francium

◆ Ga = Gallium

◆ Gd = Gadolinium

◆ Ge = Germanium

◆ He = Helium

◆ Hf = Hafnium

◆ Hg = Mercury

◆ Ho = Holmium

◆ H_2O^+ = H_2O^+

◆ H_2O^- = H_2O^-

◆ I = Iodine

◆ In = Indium

◆ Ir = Iridium

◆ K = Potassium

◆ Kr = Krypton

◆ K_2O = Potassium oxide

◆ La = Lanthanum

◆ Li = Lithium

◆ Li_2O = Lithium oxide

◆ Lu = Lutetium

◆ Mg = Magnesium

◆ MgO = Magnesium oxide

◆ Mn = Manganese

◆ MnO = Manganese oxide

◆ Mo = Molybdenum

◆ MoS_2 = Molybdenite

◆ N = Nitrogen

◆ Na = Sodium

◆ Na_2O = Sodium oxide

◆ Nb = Niobium

◆ Nb_2O_5 = Niobium oxide

◆ Nd = Neodymium

◆ Ne = Neon

◆ Ni = Nickel

◆ Np = Neptunium

◆ Os = Osmium

◆ P = Phosphorus

◆ PAF = Loss on ignition

◆ PAF_2 = Loss on ignition (FeO and Fe_2O_3)

◆ Pb = Lead

◆ Pd = Palladium

◆ Pm = Promethium

◆ Po = Polonium

◆ Pr = Praseodymium

◆ Pt = Platinum

◆ Pu = Plutonium

◆ P_2O_5 = Phosphorus oxide

◆ Ra = Radium

◆ Rb = Rubidium

◆ Re = Rhenium

◆ Rh = Rhodium

◆ Rn = Radon

◆ Ru = Ruthenium

◆ S = Sulfur

◆ Sb = Antimony

◆ Sc = Scandium

◆ Se = Selenium

◆ Si = Silicon

◆ SiO₂ = Silica

◆ Sm = Samarium

◆ Sn = Tin

◆ Sr = Strontium

◆ SrO = Strontium oxide

◆ Ta = Tantalum

◆ Ta₂O₃ = Tantalum oxide

◆ Ta₂O₅ = Tantalum pentoxide

◆ Tb = Terbium

◆ Te = Tellurium

◆ Th = Thorium

◆ ThO_2 = Thorium oxyde

◆ Ti = Titanium

◆ TiO_2 = Titanium oxide

◆ Tl = Thallium

◆ Tm = Thulium

◆ Tr_2O_3 = Rare earth

◆ U = Uranium

◆ V = Vanadium

◆ V_2O_5 = Vanadium oxide

◆ W = Tungsten

◆ Xe = Xenon

◆ Y = Yttrium

◆ Yb = Ytterbium

◆ Y_2O_3 = Yttrium oxide

◆ Zn = Zinc

◆ Zr = Zirconium

◆ ZrO_2 = Zirconium oxide

«Domain value - R1E03_RESULTAT_ANALYSE_ES»

Champ: CODE_INDC_PLUS_PETT_QUE

◆ < = Less than

◆ > = Greater than

«Domain value - R1E03_RESULTAT_ANALYSE_ES»

Champ: CODE_METH_ANLS

- ◆ AA = Atomic absorption
- ◆ AG = Gravimetric analysis
- ◆ AN = Neutron activation
- ◆ AP = Partial attack + plasma emis. spectroscopy (CO1)
- ◆ AS = Anodic stripping
- ◆ CA = Absorption chromatography
- ◆ CG = Classical chemical analysis
- ◆ CI = Ionic chromatography
- ◆ CM = Chromatography and mass spectrometry
- ◆ CO = Colorimetry
- ◆ CP = Paper chromatography
- ◆ DA = DTA
- ◆ DG = Borehole logging
- ◆ DI = Isotopic dilution
- ◆ DX = X-ray diffraction
- ◆ EA = Atomic emission
- ◆ ED = Densitometer emission
- ◆ EF = Flame emission
- ◆ EL = Electrolysis
- ◆ ES = Ion-selective electrode

- ◆ FL = Fluorometry
- ◆ FX = X-ray fluorescence
- ◆ ICP = Inductive coupling mass spectrometry
- ◆ IF = Infra-red
- ◆ IR = Infra-red, absorption, emission
- ◆ MI = Microscopy
- ◆ MS = Microprobe
- ◆ PL = Plasma emission
- ◆ PO = Polography
- ◆ PY = Pyroanalysis
- ◆ QU = Quantometer
- ◆ SC = Correlation spectroscopy
- ◆ SG = Gamma ray spectrometer
- ◆ SM = Mass spectrometry
- ◆ SO = Optical spectrography
- ◆ SP = Spectrophotometry
- ◆ ST = Scintillation counter
- ◆ SX = X-ray spectrometry
- ◆ YO = Unknown

«Domain value - R1E03_RESULTAT_ANALYSE_ES»

Champ: CODE_UNITE_TENR

◆ % = Weight percent

◆ cct = Hundredth of PCT

◆ cpb = Hundredth of PPB

◆ cpm = Hundredth of PPM

◆ cpt = Hundredth of PPT

◆ dct = Tenth of PCT

◆ dpb = Tenth of PPB

◆ dpm = Tenth of PPM

◆ dpt = Tenth of PPT

◆ g/t = Gram per ton

◆ pcm = Parts per 100 000

◆ pct = Percent

◆ ppb = Parts per billion

◆ ppm = Parts per million

◆ ppt = Parts per billion