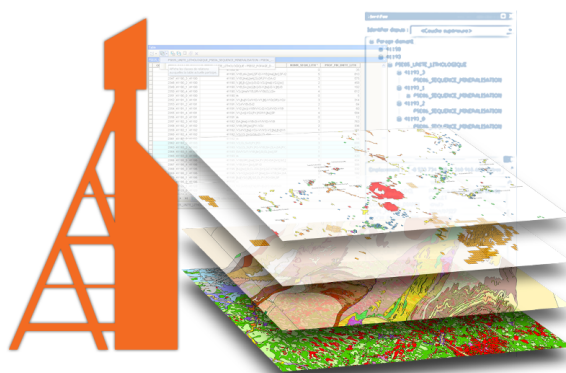


# SIGÉOM

## Diamond drilling

### Data model and domain value

Version 1.0  
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Direction de l'information géologique du Québec  
Ministère de l'Énergie et des Ressources naturelles

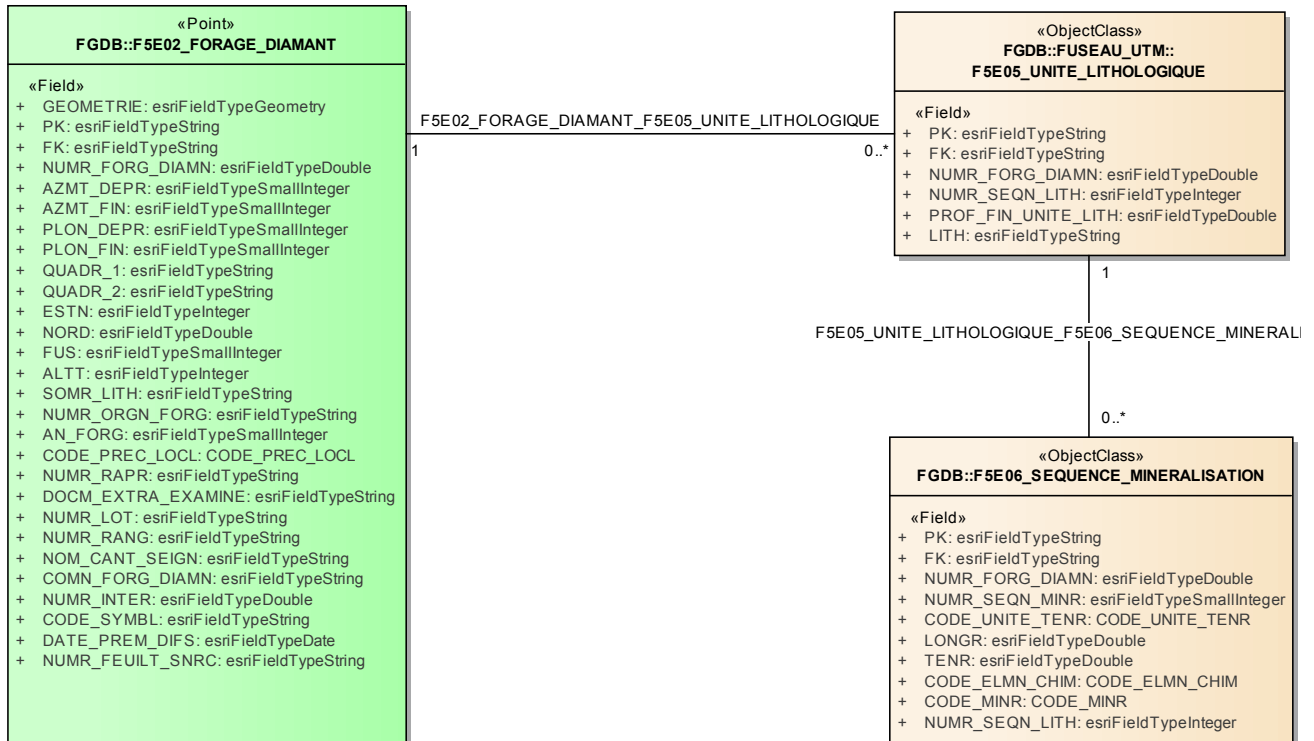
Contact: [service.mines.gouv.qc.ca](mailto:service.mines.gouv.qc.ca)

## Data model - Diamond drilling

Diamond drillings are mostly executed by mining companies. These drillings allow for the collection of rock samples (cores), by rotating a diamond bit string.

### Legend

- Feature class
- Table



## «Domain value - F5E02\_FORAGE\_DIAMANT»

**Field name: 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 - F5E06\_SEQUENCE\_MINERALISATION»

Field name: CODE\_ELMN\_CHIM

◆ esriFieldTypeString = FieldType

◆ esriMPTDefaultValue = MergePolicy

◆ esriSPTDefaultValue = SplitPolicy

◆ 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

◆ CO<sub>2</sub> in = Inorganic carbon

◆ Cr = Chromium

◆ Cr<sub>2</sub>O<sub>3</sub> = Chromium oxide

◆ Cs = Cesium

◆ Ct:CO<sub>2</sub> = Total carbon in CO<sub>2</sub>

◆ 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

◆ Fe<sub>2</sub>O<sub>3</sub>t = Total iron oxide

◆  $\text{Fe}_2\text{O}_3$  = Ferric-iron oxide

◆ Fr = Francium

◆ Ga = Gallium

◆ Gd = Gadolinium

◆ Ge = Germanium

◆ He = Helium

◆ Hf = Hafnium

◆ Hg = Mercury

◆ Ho = Holmium

◆  $\text{H}_2\text{O}^+$  =  $\text{H}_2\text{O}^+$

◆  $\text{H}_2\text{O}^-$  =  $\text{H}_2\text{O}^-$

◆ I = Iodine

◆ In = Indium

◆ Ir = Iridium

◆ K = Potassium

◆ Kr = Krypton

◆  $\text{K}_2\text{O}$  = Potassium oxide

◆ La = Lanthanum

◆ Li = Lithium

◆  $\text{Li}_2\text{O}$  = Lithium oxide

◆ Lu = Lutetium

◆ Mg = Magnesium

◆  $\text{MgO}$  = Magnesium oxide

◆ Mn = Manganese

◆ MnO = Manganese oxide

◆ Mo = Molybdenum

◆ MoS<sub>2</sub> = Molybdenite

◆ N = Nitrogen

◆ Na = Sodium

◆ Na<sub>2</sub>O = Sodium oxide

◆ Nb = Niobium

◆ Nb<sub>2</sub>O<sub>5</sub> = Niobium oxide

◆ Nd = Neodymium

◆ Ne = Neon

◆ Ni = Nickel

◆ Np = Neptunium

◆ Os = Osmium

◆ P = Phosphorus

◆ PAF = Loss on ignition

◆ PAF<sub>2</sub> = Loss on ignition (FeO and Fe<sub>2</sub>O<sub>3</sub>)

◆ Pb = Lead

◆ Pd = Palladium

◆ Pm = Promethium

◆ Po = Polonium

◆ Pr = Praseodymium

◆ Pt = Platinum

◆ Pu = Plutonium

◆ P<sub>2</sub>O<sub>5</sub> = Phosphorus oxide

◆ Ra = Radium

◆ Rb = Rubidium

◆ Re = Rhenium

◆ Rh = Rhodium

◆ Rn = Radon

◆ Ru = Ruthenium

◆ S = Sulfur

◆ Sb = Antimony

◆ Sc = Scandium

◆ Se = Selenium

◆ Si = Silicon

◆ SiO<sub>2</sub> = Silica

◆ Sm = Samarium

◆ Sn = Tin

◆ Sr = Strontium

◆ SrO = Strontium oxide

◆ Ta = Tantalum

◆ Ta<sub>2</sub>O<sub>3</sub> = Tantalum oxide

◆ Ta<sub>2</sub>O<sub>5</sub> = Tantalum pentoxide

◆ Tb = Terbium

◆ Te = Tellurium

◆ Th = Thorium

◆ ThO<sub>2</sub> = Thorium oxide

◆ Ti = Titanium

◆ TiO<sub>2</sub> = Titanium oxide

◆ Tl = Thallium

◆ Tm = Thulium

◆ Tr<sub>2</sub>O<sub>3</sub> = Rare earth

◆ U = Uranium

◆ V = Vanadium

◆ V<sub>2</sub>O<sub>5</sub> = Vanadium oxide

◆ W = Tungsten

◆ Xe = Xenon

◆ Y = Yttrium

◆ Yb = Ytterbium

◆ Y<sub>2</sub>O<sub>3</sub> = Yttrium oxide

◆ Zn = Zinc

◆ Zr = Zirconium

◆ ZrO<sub>2</sub> = Zirconium oxide

## «Domain value - F5E06\_SEQUENCE\_MINERALISATION»

Field name: CODE\_MINR

◆ esriFieldTypeString = FieldType

◆ esriMPTDefaultValues = MergePolicy

◆ esriSPTDefaultValues = SplitPolicy

◆ AA = Andesine

◆ AB = Albite

◆ AC = Actinolite

◆ AD = Andalusite

◆ AE = Agate

◆ AF = Fluorapatite

◆ AG = Augite

◆ Ag = Silver

◆ AH = Amethyst

◆ AI = Amazonite

◆ AK = Ankerite

◆ AL = Allanite

◆ AM = Amphibole

◆ AN = Anorthite

◆ AO = Asbestos

◆ AP = Apatite

◆ AQ = Emerald

◆ AR = Picrolite

◆ AS = Arsenopyrite

◆ AT = Anthophyllite

◆ AU = Autunite

◆ Au = Gold

◆ AV = Acanthite

◆ AX = Axinite

◆ AY = Anhydrite

◆ AZ = Azurite

◆ BA = Bastnaesite

◆ BC = Brucite

◆ BD = Boltwoodite

◆ BE = Brannerite

◆ BF = Betafite

◆ BG = Boulangerite

◆ BH = Brochantite

◆ BI = Birnessite

◆ Bi = Bismuth

◆ BL = Beryl

◆ BM = Bismuthinite

◆ BN = Bornite

◆ BO = Biotite

BP = Aikinite

BR = Barytine

BS = Bismutite

BT = Bytownite

BU = Britholite

BV = Bravoite

BY = Baddeleyite

CA = Calaverite

CB = Carbonate

CC = Calcite

CD = Cordierite

Cd = Cadmium

CE = Cobaltite

Ce<sub>2</sub>O<sub>3</sub> = Cerium

CF = Cubanite

CG = Cummingtonite

CH = Chert

CI = Cleavelandite

CJ = Cattierite

CK = Cryptomelane

CL = Chlorite

CM = Chromite

CN = Corundum

◆ CO = Chloanthite

◆ Co = Cobalt

◆ CP = Chalcopyrite

◆ CQ = Chalcedony

◆ CR = Chloritoid

◆ CS = Chrysotile

◆ CT = Chalcocite

◆ CU = Cuprite

◆ Cu = Copper

◆ CV = Covellite

◆ CW = Cancrinite

◆ CX = Clinopyroxene

◆ CY = Chrysocolla

◆ CZ = Clinozoisite

◆ DD = Diamond

◆ DG = Digenite

◆ DH = Maghemite

◆ DI = Braggite

◆ DJ = Djurleite

◆ DL = Devilline

◆ DM = Dolomite

◆ DN = Chamosite

◆ DP = Diopside

◆ DS = Dravite

◆ DT = Danaite

◆ DW = Sklodowskite

◆ DY = Soddyite

◆ Dy<sub>2</sub>O<sub>3</sub> = Dysprosium

◆ EA = Emerald

◆ EC = Aeschynite - (Y)

◆ EG = Enargite

◆ EL = Celestite

◆ EM = Electrum

◆ EP = Epidote

◆ ER = Erythrite

◆ Er<sub>2</sub>O<sub>3</sub> = Erbium

◆ ES = Enstatite

◆ EU = Eudialyte

◆ Eu<sub>2</sub>O<sub>3</sub> = Europium

◆ EX = Euxenite - (Y)

◆ EY = Aegyrine

◆ FA = Fayalite

◆ FB = Fibrolite

◆ FC = Fuchsite

◆ FD = Feldspathoid

◆ Fe = Iron

◆ FF = Safflorite

◆ FG = Freibergite

◆ FK = Potassium feldspar

◆ FL = Fluorite

◆ FM = Ferrimolybdate

◆ FN = Black feldspar

◆ FO = Forsterite

◆ FP = Feldspar

◆ FR = Franklinite

◆ FS = Fergusonite

◆ FT = Ferghanite

◆ FV = Green/brown feldspar

◆ GA = Almandine garnet

◆ Ga<sub>2</sub>O<sub>3</sub> = Gallium

◆ GB = Gummite

◆ GC = Glaucophane

◆ GD = Andradite

◆ Gd<sub>2</sub>O<sub>3</sub> = Gadolinium

◆ GE = Gypsum

◆ GF = Greenalite

◆ GG = Grossular garnet

◆ GH = Gahnite

◆ GI = Gunningite

◆ GK = Greenockite

◆ GL = Galena

◆ GM = Manganiferous garnet

◆ GN = Grunerite

◆ GO = Goethite

◆ GP = Graphite

◆ GR = Garnet

◆ GS = Spessartine

◆ GT = Gedrite

◆ GU = Uvarovite

◆ GV = Glauconite

◆ GY = Pyrope garnet

◆ HB = Hornblende

◆ HC = Hercynite

◆ HD = Stilbite

◆ HE = Hemimorphite

◆ HfO2 = Hafnium

◆ HG = Hedenbergite

◆ HK = Holmquistite

◆ HL = Halite

◆ HM = Hematite

◆ HN = Hydromagnesite

◆ HO = Clinohypersthene

◆ Ho<sub>2</sub>O<sub>3</sub> = Holmium

◆ HP = Hypersthene

◆ HR = Chondrodite

◆ HREO = Heavy rare earth

◆ HS = Specularite

◆ HT = Hydrocerussite

◆ HU = Thucholite

◆ HZ = Haezlewoodite

◆ IC = Magnesiochromite

◆ ID = Idaite

◆ IF = Issoferroplatinum

◆ IG = Iddingsite

◆ II = Peristerite

◆ IM = Ilmenite

◆ IR = Iriginite

◆ JA = Jadeite

◆ JP = Jasper

◆ JS = Jarosite

◆ KA = Akermanite

◆ KC = Sylvite

◆ KK = Klockmannite

◆ KL = Kaolinite

◆ KM = Kermesite

◆ KN = Kyanite

◆ KP = Korerupine

◆ KR = Krennerite

◆ KS = Kasolite

◆ La<sub>2</sub>O<sub>3</sub> = Lanthanum

◆ LB = Labradorite

◆ LC = Leucite

◆ LD = Lepidocrocite

◆ LE = Lessingite

◆ LG = Löllingite

◆ LI = Laurite

◆ LM = Limonite

◆ LN = Linnaeite

◆ LP = Lepidolite

◆ LR = Anglesite

◆ LREO = Light rare earth

◆ LS = Lawsonite

◆ LU = Laumontite

◆ Lu<sub>2</sub>O<sub>3</sub> = Lutetium

◆ LX = Leucoxene

◆ MA = Clay minerals

◆ MB = Molybdate

◆ MC = Malachite

◆ MD = Decorative minerals

◆ ME = Melilite

◆ MF = Mafic minerals

◆ MG = Magnetite

◆ MH = Martite

◆ MI = Mica

◆ MK = Merenskyite

◆ ML = Microcline

◆ MM = Manganite

◆ MN = Magnesite

◆ MO = Molybdenite

◆ Mo = Molybdenum

◆ MP = Mesoperthite

◆ MR = Radioactive minerals

◆ MS = Marcasite

◆ MT = Mariposite

◆ MU = Minnesotaite

◆ MV = Muscovite

◆ MW = Melonite

◆ MX = Heavy minerals

◆ MY = Yttrium (minerals)

◆ MZ = Monazite

◆ NA = Gersdorffite

◆ NaCl = Salt

◆ NB = Columbite/niobite

◆ Nb = Niobium

◆ Nb<sub>2</sub>O<sub>5</sub> = Niobium

◆ NC = Gaspeite

◆ Nd<sub>2</sub>O<sub>3</sub> = Néodymium

◆ NE = Meneghinite

◆ NF = Awaruite

◆ NG = Annabergite

◆ NH = Nephrite

◆ Ni = Nickel

◆ NM = Titanomagnetite

◆ NN = Stannite

◆ NP = Nepheline

◆ NS = Millerite

◆ NT = Anatase

◆ OA = Aragonite

◆ OC = Ochre

◆ OF = Iron oxide

◆ OG = Oligoclase

◆ OH = Basaltic hornblende (brown hornblende)

◆ OI = Niocalite

◆ OL = Ottrelite

◆ OM = Monticellite

◆ ON = Stibiconite

◆ OO = Cooperite

◆ OP = Opaque minerals

◆ OR = Orthoclase

◆ OS = Cervantite

◆ OT = Tetraferroplatinum

◆ OV = Olivine

◆ OX = Orthopyroxene

◆ OY = Aegyrine-augite

◆ PA = Phenacite/phenakite

◆ PB = Pitchblende

◆ Pb = Lead

◆ PC = Pistacite

◆ PD = Pentlandite

◆ Pd = Palladium

◆ PE = Paragonite

◆ PF = Periclase

◆ PG = Plagioclase

◆ PH = Phlogopite

◆ PI = Cosalite

◆ PJ = Posnjakite

◆ PK = Perovskite

◆ PL = Pyrophyllite

◆ PM = Pyrochlore

◆ PN = Prehnite

◆ PO = Pyrrhotine

◆ PP = Pumpellyite

◆ PQ = Petalite

◆ PR = Perthite

◆ Pr<sub>2</sub>O<sub>3</sub> = Praseodymium

◆ PS = Pyrolusite

◆ PT = Penninite

◆ Pt = Platine

◆ PU = Phosphuranylite

◆ PX = Pyroxene

◆ PY = Pyrite

◆ PZ = Petzite

◆ P<sub>2</sub>O<sub>5</sub> = Apatite

◆ QB = Blue quartz

◆ QZ = Quartz

◆ RB = Riebeckite

◆ RC = Roscoelite

◆ RD = Rhodochrosite

◆ RE = Rare earth minerals

◆ RL = Rutile

◆ RM = Romanechite

◆ RN = Rhodonite

◆ RU = Ruby

◆ RZ = Rozenite

◆ S = Sulfur

◆ SA = Sanidine

◆ SB = Stibnite

◆ SC = Scapolite

◆ Sc<sub>2</sub>O<sub>3</sub> = Scandium

◆ SD = Siderite

◆ SE = Stilpnomelane

◆ Se = Selenium

◆ SF = Sulphides

◆ SG = Selenite

◆ SH = Sapphirine

◆ SI = Siderotil

◆ Si = Silicon

◆ SiO<sub>2</sub> = Silica

◆ SK = Samarskite

◆ SL = Spinel

◆ SM = Sillimanite

◆ Sm<sub>2</sub>O<sub>3</sub> = Samarium

◆ SN = Sphene/titanite

◆ SO = Spodumene

◆ SP = Sphalerite

◆ SR = Sericite

◆ SS = Sodalite

◆ ST = Serpentine

◆ SU = Staurolite

◆ SV = Sylvanite

◆ SW = Scheelite

◆ SX = Strontianite

◆ SY = Starkeyite

◆ SZ = Szomolnokite

◆ TA = Zinc tourmaline

◆ Ta = Tantalum

◆ Ta<sub>2</sub>O<sub>5</sub> = Tantalum

◆ TB = Tellurobismuthite

◆  $\text{Tb}_2\text{O}_3$  = Terbium

◆ TC = Talc

◆ TD = Tetradymite

◆ TE = Tenorite

◆ Te = Tellurium

◆ TF = Schorlite/schorl

◆ TG = Dravite

◆ TH = Tetrahedrite

◆  $\text{ThO}_2$  = Thorium

◆ TI = Thorite

◆  $\text{TiO}_2$  = Ilmenite

◆ TL = Tourmaline

◆ TM = Tremolite

◆  $\text{Tm}_2\text{O}_3$  = Thulium

◆ TN = Tantalite

◆ TO = Columbotantalite

◆ TP = Altaite

◆ TR = Thorianite

◆ Tr = Rare earth

◆ TREO = Rare earth

◆ TS = Steatite

◆ TT = Tennantite

◆ TU = Torbernite

◆ TW = Smaltite

◆ TX = Xenotime-(Y)

◆ TZ = Topaz

◆ UB = Coffinite

◆ UC = Clarkeite

◆ UD = Gudmundite

◆ UH = Uranothorianite

◆ UI = Uranopilite

◆ UL = Samarskite - (Y)

◆ UN = Nickeline

◆ UO2 = Uranium

◆ UP = Uranophane

◆ UR = Uraninite

◆ US = Ulvöspinel

◆ UT = Uranothorite

◆ U3O8 = Uranium

◆ V = Vanadium

◆ VA = Valentinite

◆ VD = Arfvedsonite

◆ VL = Valleriite

◆ VO = Violarite

◆ VR = Vermiculite

◆ VS = Senarmonite

◆ VV = Vesuvianite

◆ V2O5 = Vanadium

◆ WD = Cerussite

◆ WF = Wolframite

◆ WH = Meymacite

◆ WL = Wollastonite

◆ WM = Willemite

◆ WN = Wulfenite

◆ WO = Bournonite

◆ WS = Wilsonite

◆ WT = Witherite

◆ XA = Charbon

◆ XB = Bioclast

◆ XC = Cement

◆ XD = Peloid

◆ XE = Pisolite

◆ XG = Organic matter

◆ XH = Hydrocarbon

◆ XI = Intraclast

◆ XL = Binding agent, matrix

◆ XM = Matrix

◆ XN = Anthraxolite

◆ XO = Oolite

◆ XP = Pellets

◆ XR = Lithoclast

◆ XT = Oncolite

◆ XU = Spicule

◆ XX = Others

◆ Y = Yttrium

◆ YA = Conulariid

◆ YB = Brachiopod

◆ Yb2O3 = Ytterbium

◆ YC = Cephalopod

◆ YD = Echinoderm

◆ YE = Sponge

◆ YF = Ichnofossil (trace fossil)

◆ YG = Graptolite

◆ YH = Archaeocyatha

◆ YI = Stromatoporoid

◆ YJ = Euryptéride

◆ YK = Fish

◆ YL = Trilobite

◆ YM = Salterella

- ◆ YN = Plant
- ◆ YO = Ostracod
- ◆ YP = Pelecypod
- ◆ YR = Crinoid
- ◆ YS = Stromatoids
- ◆ YT = Gastropod
- ◆ YU = Algae
- ◆ YW = Radiolaires
- ◆ YX = Corals
- ◆ YY = Unidentified fossil
- ◆ YZ = Bryozoan
- ◆ Y2O3 = Yttrium
- ◆ ZA = Sapphire
- ◆ ZB = Chabazite/chabazite
- ◆ ZC = Zircon
- ◆ ZH = Hydrozincite
- ◆ ZL = Zeolite
- ◆ ZN = Zincite
- ◆ ZO = Smithsonite
- ◆ ZP = Pollucite
- ◆ ZrO2 = Zirconium
- ◆ ZS = Zoisite

◆ ZT = Thomsonite

◆ ZU = Cyrtolite

## «Domain value - F5E06\_SEQUENCE\_MINERALISATION»

Field name: **CODE\_UNITE\_TENR**

◆ esriFieldTypeString = FieldType

◆ esriMPTDefaultValue = MergePolicy

◆ esriSPTDefaultValue = SplitPolicy

◆ % = 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