Metadata

Data type: Point

The layer contains elemental chemical values of stream sediment collected in the National Geochemical Mapping (NGCM) program of GSI. Stream sediment sampling is normally carried out in grid pattern of 1km x 1km within a toposheet. The composite samples represents 2km x 2km grid. One soil sample is collected in 5’ x 5’ quadrant of a toposheet.

Processed stream sediment samples were pulverized to -200 mesh size at the Regional Chemical Laboratory, GSI and divided into 10 parts for 10 packages for Major Oxide & Elements analysis.

Analytical packages, methods and Major Oxide & Elements analysis- Total 68

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| --- | --- | --- |
| **Package A** | **XRF** | **Major, minor oxides/ elements and some trace elements**  SiO2, Al2O3, Fe2O3, TiO2, CaO, MgO, MnO, Na2O,K2O,P2O5, and LOI  Ba, Co, Cr, Cu, Ga, Nb, Ni, Rb, Pb, Sc, Sr, Th, V, Y, Zn, Zr |
| **Package B** | **GF-AAS** | Au |
| **Package C** | **F-ASS** | Li and Ce |
| **Package D** | **HG-AAS** | As, Sb, Se, Bi and Te |
| **Package E** | **SIE** | F |
| **Package F** | **GF-AAS** | Cd and Ag |
| **Package G** | **GF-AAS** | Hg |
| **Package H** | **ICP-MS** | **REE & HREE and some trace elements**  La, Ce, Pr, Nd, Eu, Sm, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu  Be, Ge, Sn, In, Hf, Ta, Mo, W and U |
| **Package I** | **AAS/ICP** | Pt and Pd |
| **Package J** | **ICP-MS** | Cs, Sn, Mo, In and Tl |