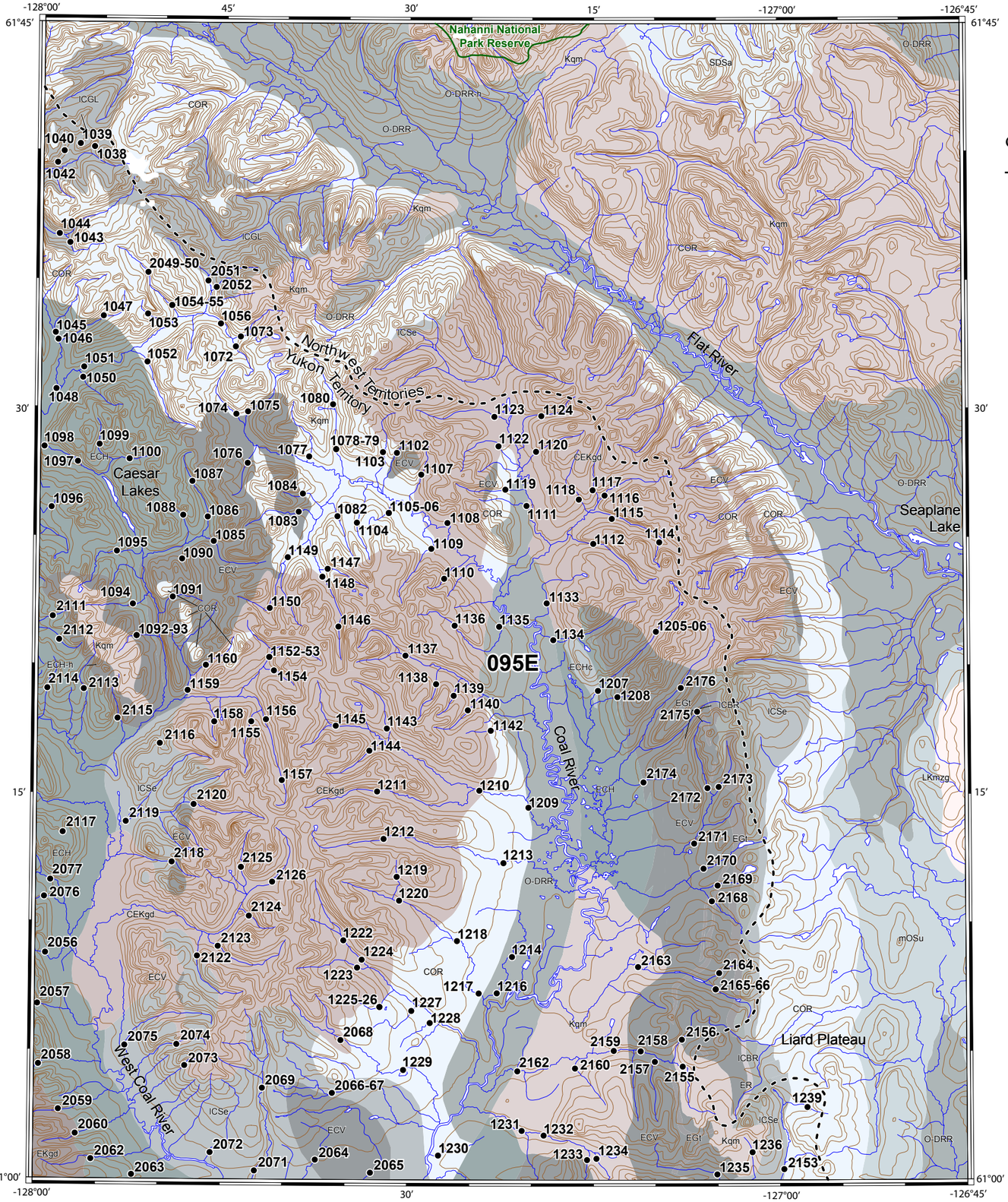

Sample Locations

Stream Sediments

Coal River Area

Yukon Territory
parts of NTS 095E

Geological Survey of Canada
Open File Report 5329

Yukon Geological Survey
Open File Report 2006-18

Staff of the Geological Survey of Canada carried out a stream sediment and water survey in 2005.
Stream sediments and waters were collected from 174 sites in the Coal River valley area in southeastern Yukon. Analytical data for up to 51 variables in stream sediments and up to 54 variables in waters determined by a number of analytical techniques are available for locations indicated on this map. Detailed descriptions of collection, preparation and analytical methods are available in the text of the report accompanying this map.

Analytical results and field observations contribute to building a national geochemical database for resource assessment, mineral exploration, geological mapping and environmental studies. Sample collection, preparation procedures and analytical methods are strictly specified and carefully monitored to ensure consistent and reliable results regardless of the area, the year of collection or the analytical laboratory undertaking the analyses.

Geological Legend

Upper Cretaceous

- lKmzg — **Tombstone Plutonic Suite** Biotite monzogranite
- CEKgd — **Tay River Plutonic Suite** Biotite granodiorite, biotite granite

Lower and Upper Cretaceous

- Kqm — **Selwyn Plutonic Suite** Quartz monzonite, granodiorite

Lower Cretaceous

- EKgd — **Anvil Plutonic Suite** Granite; minor granodiorite; quartz monzonite

Early Silurian to Middle Devonian

- SDSa — **Sapper Formation** Lower black limestone; upper silty limestone

Ordovician to Devonian

- O-DRR — **Road River Formation** Black calcareous graptolitic shale, grey argillaceous limestone
- O-DRR-h — **Road River Formation** Hornfelsed shale, pelitic limestone

Middle Ordovician to Lower Silurian

- mOSu — **Sunblood Formation** Dolostone, limestone

Cambrian and Ordovician

- COR — **Rabbitkettle Formation** Wavy banded silty limestone, platy impure limestone, siltstone, limestone

Lower Cambrian

- ICGL — **Gull Lake Formation** Sandstone, siltstone, shale, conglomerate; minor limestone
- ICSe — **Sekwi Formation** Sandstone, siltstone, shale, conglomerate; minor limestone
- ICBR — **Backbone Ranges Formation** Pink purple grey and brown sandstone, sitstone, pebble conglomerate; braided fluvial, tidal marine

Ediacaran and Cambrian

- ECV — **Vampire Formation** Silstone, grey fine-grained sandstone; minor grey or buff limestone, sandy limestone, siltstone, phyllite
- ECH — **Hyland Group** Lower: shale, dark; slate, gritty; quartzite; calacrenite; conglomerate, quartz pebble; Upper sandstone, maroon, green buff; shale; slate; minor limestone, phyllite
- ECHc — Grey limestone, dolostone
- ECH-h — Rusty hornfels aureole, low grade metasediments

Ediacaran

- ER — **Risky Group** Massive cryptograined buff dolostone, sandy dolostone, sandstone
- EGt — **Gametrail Group** Stromatolitic colitic dolomitized limestone; marine continental slope; may include overlying Blueflower Formation; mudrock turbistic sandstone, limestone, debris flow deposits; marine continental slope

Geology Reference: Okulitch, A.V. in preparation. Bedrock geology, Redstone River, Yukon Territory, Northwest Territories. Geological Survey of Canada, Map NP-9/10-G, scale 1:500 000 (National Earth Science Series, Geological Atlas)

0 — 12.5 — 25
kilometres

Datum: NAD83; **Projection:** Lambert Conformal Conic
Central Meridian: 125°W; **Standard Parallels:** 49°N and 77°N

Yukon Energy, Mines and Resources

Canada
Natural Resources Canada / Ressources naturelles Canada