

Location/Identification

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|---------------------------|------------------------------|---|------------------------|
| MINFILE Number: | 093E 025 | National Mineral Inventory Number: | 093E6 Mo2 |
| Name(s): | <u>SUREL LAKE</u> ED, FLY | | |
| Status: | Showing | Mining Division: | Omineca |
| Regions: | British Columbia | Electoral District: | Bulkley Valley-Stikine |
| BCGS Map: | 093E035 | Resource District: | Nadina Forest District |
| NTS Map: | 093E06E | UTM Zone: | 09 (NAD 83) |
| Latitude: | 53 18 48 N | Northing: | 5908752 |
| Longitude: | 127 08 00 W | Easting: | 624358 |
| Elevation: | 921 metres | | |
| Location Accuracy: | Within 1KM | | |

Mineral Occurrence

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|---------------------|----------------------------|--------------------------|--|
| Commodities: | Gold | | |
| Minerals | Significant: | Gold | |
| | Associated: | Quartz | |
| | Mineralization Age: | Unknown | |
| Deposit | Character: | Vein | |
| | Classification: | Epigenetic, Hydrothermal | |
| | Type: | I01: Au-quartz veins | |

Host Rock

| | | | |
|----------------------------|---|-----------------------|----------------------------------|
| Dominant Host Rock: | Plutonic | | |
| Stratigraphic Age | Group | Formation | Igneous/Metamorphic/Other |
| Lower Cretaceous | Skeena | Undefined Formation | ----- |
| Mesozoic | ----- | ----- | Coast Plutonic Complex |
| Isotopic Age | Dating Method | Material Dated | |
| ----- | ----- | ----- | |
| ----- | ----- | ----- | |
| Lithology: | Diorite, Volcanic, Quartz Vein | | |
| Comments: | Coast Plutonic Complex near contact with Lower Cretaceous Skeena Group volcanics. | | |

Geological Setting

| | | | |
|-----------------------|--------------------------------|----------------------------|--------------|
| Tectonic Belt: | Coast Crystalline | Physiographic Area: | Tahtsa Range |
| Terrane: | Undivided Metamorphic Assembl. | | |

Inventory

No inventory data

Capsule Geology

This occurrence is located on the south side of Surel Lake at its east end; the claims extend westward from the falls on Surel Creek. The Surel Lake group of eight claims was located by J.J. Hepson of Wells in 1945. The vein was examined in August 1945 by J.A. Pike of Island Mountain Mines Limited, who also located the adjoining Fly group of four claims.

The ED and Surel groups, totaling 25 claims, owned by L. Kiss, were optioned to Canex Aerial Exploration Limited. Work during 1967 included geological, geophysical and geochemical surveys and 4104 metres of diamond drilling in three holes.

A quartz vein occurs in diorite of the Coast Plutonic Complex near its eastern margin contact with the Skeena Group volcanics. The vein, which is 30 centimetres to 60 centimetres wide, is reported to carry gold values.

Bibliography

EMPR AR 1945-A72; 1967-114

EMPR OF 1988-2; 1994-14

GSC MAP 1064A

GSC MEM 299, p. 95

GSC OF 708

GSC SUM RPT 1920, part A; 1925, part A, pp. 144-154

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|----------------------|------------|--------------------|-----------------------------|---------------------|---|
| Date Coded: | 1985/07/24 | Coded By: | BC Geological Survey (BCGS) | Field Check: | N |
| Date Revised: | 1999/08/24 | Revised By: | Janet M. Riddell (JMR) | Field Check: | N |