MEILECKE
SITE #86
(MINFILE #106D 023)

1. LOCATION AND ACCESS

Coordinates 64-03-05 N, 135-50-47 W. Located 2 km north of Dublin Gulch (proper) along Haggart Creek. Elevation approximately 2700 feet asl. Access to Meilecke is via the South McQuesten Highway (from Highway 11, Silver Trail) to Haggart Creek Road past Dublin Gulch by (2.5 km north by road). Roads in this area have been considerably altered, and in some cases washed away, by placer mining activities in Dublin Gulch.

2. SITE PHYSIOGRAPHY

The site faces north-northwest along a series of raised shoreline out-wash terraces on the south site of Haggart Creek, approximately 850 m northeast of its confluence with Iron Rust Creek (Photo 86-1). The presence of permafrost soils could not be ascertained; however, the presence of smaller trees and the high elevation suggests the possibility of discontinuous permafrost.

3. GEOLOGY AND MINERALIZATION (from original minfile)

The area is underlain by deformed Upper Proterozoic to Lower Cambrian clastic rocks of the Hyland Group that have been intruded by Cretaceous age Tombstone suite sotcks, dykes and sills. Alterating gold and tungsten mineralization is associated with the intrusions. The early staking of Iron Rust Creek covered a transported limnonite gossan in a creek draining weakly metamorphosed clastic rocks and schist. A galena vein is rumoured to have been exposed on the WM (W. Meilecke) claims.

4. SITE HISTORY (from original minfile)

Staked as Hag cl (62794) in Jun/55 by A Kulan et al., and optioned in Jun/58 to Stride E & Dev CL, which explored with geochem and geophysical surveys, and in Jun/62 to Peso Silver ML. Restaked as Tara cl (82826) in Mar/63 by Canex; as WM cl (Y56061) in Jun/71 by W. Meilecke, who explored with hand trenching; and as WM (Y69422) in Jul/73 by Jan Mandaus; and as DG cl (YA 14944) in Apr/77 by G. Dickson, who bulldozer trenched later in the year before optioning the claims to a joint-venture between Canada Tungsten Mg Corp and Queenstake Res L. The claims were transferred back to Dickson in Jan/86. Can-Pro Development Ltd. optioned the DG claims as part of a larger block in the Dublin Gulch area in 1989. Ivanhoe Goldfields Ltd. optioned Can-Pros claims in 1991 and subsequently optioned them to Amax Gold (B.C.) Ltd. which drilled 2 rotary holes (216.4 m) on the Smoky 52 and DG 9 claims in 1992. Ivanhoe staked the adjacent Sec 1-124

cl (YB29877) in Jun/93. In Aug/94, First Dynasty Mines Ltd. acquired Ivanhoe Goldfields Ltd. In 1995, First Dynasty and in 1996 its wholly owned subsidiary, New Millenium Mining Ltd. carried out a major drilling program to outline a core resource/reserve on the Eagle Zone (minfile #106D 025). The companies also carried out diamond drilling on Potato Hills (minfile # 106D 026) to test for mineralization under the proposed heap leach pad area.

5. MINE DEVELOPMENT

5.1. Mine Openings and Excavations

Adits/Shafts/Portals

No apparent mining development at this site

Open Pits

No apparent development at this site.

Trenches

Possible old trench along terrace on south shore terrace by Haggart Creek running east-west; recently used as camp site (Photos 86-2 and 86-3).
Dimensions (L x W x H): ~ 30 m x 15 m x 0.75 m
Condition: hard-packed and overgrown; appears to be stable
Accessibility: along Haggart Creek Road

5.2. Waste Rock Disposal Areas

No apparent waste rock other than the material removed for camp construction; some placer mining, however, is evident along the stream.

5.3. Tailings Impoundments

Tailings Dams

No apparent dams

Tailing Ponds

No apparent tailings ponds

5.4. Minesite Water Treatment

No apparent treatment facilities.

6. MINE SITE INFRASTRUCTURE

6.1. Buildings

Outhouse (86A) - Wood construction with no roof, dimensions (L x W x D): 0.75 m x 1 m x 2 m (see Photo 86-3).

6.2. Fuel Storage

No apparent fuel storage facilities

6.3. Rail and Tressel

No apparent activity

6.4. Milling and Processing Infrastructure

No processing facilities apparent

6.5. Electrical Equipment

No apparent electrical equipment

7. SOLID WASTE DUMPS

No apparent waste dumps; however, scattered debris over site including core boxes, wood, plastic, appliances (fridge and stove), cans, wooden flowerbox, plastic and metals cans containing ash from camp fire, old mattress and other camp equipment, number of empty 10 gallon cans, old portable generator and car battery (Photo 86-4 and 86-5).

8. POTENTIAL CONTAMINANTS OF CONCERN

8.1. Out of Service Transformers

None apparent at site

8.2. Metals and Hydrocarbons in Soil

No evidence of staining, spills, or odours.

8.3. Liquid Hazardous Materials

None apparent at site.

8.4. Solid Hazardous Materials

Old car battery located 100 m SW of camp above stream bank. No samples taken, given isolated location of material from stream (Photo 86-6).

9. WATER QUALITY

Surface water quality samples were collected 160 m upstream (background) of the site (99-86-WQ-01) and downstream, approximately 50 m east and upstream of the Iron Rust Creek confluence (99-86-WQ-02, Photo 86-7). Results of the geochemistry are listed in Attachment 2.

10. RECLAMATION

Natural revegetation is beginning to occur at the site along the suspected trench area, where the camp site is located, including grasses, forbs (e.g., fireweed) and young trees such as spruce and willow (see Photo 86-3). No evidence of any reclamation measures at this site.

11. OTHER SOURCES OF INFORMATION AND DATA

Much of the available information for this area is focused on the exploration activities of New Millenium Mining Ltd, within the Dublin Gulch (proper). Some recent placer mining has occurred at this site, which was probably used as a camp for this purpose.

12. REFERENCES AND PERSONAL COMMUNICATIONS

Yukon Geology Program, 1997. Yukon Minfile 106D 023, Whitehorse, Yukon.

Can-Pro Development Ltd., 1990. Assessment Report #092841 by D. Philpot. (used in production of minfile)

First Dynasty Mines Ltd., 1995. Annual Report. (used in production of minfile)

First Dynasty Mines Ltd., 1996. Assessment Report #093409 by M. Sieb. (used in production of minfile)

George Cross Newsletter, (Dec.) 1992. (used in production of minfile)

Stride Exploration and Development Co. Ltd. (Aug.) 1956. Prospectus (used in production of minfile)

Whitehorse Star, 1995. June 14 and September 21 Editions (used in production of minfile)

Yukon Exploration and Geology, 1992, p.2, 4, 5. (used in production of minfile)

Yukon Exploration and Geology, 1995, p.8, 33 (used in production of minfile)

ATTACHMENT 2: 1999 MEILECKE WATER SAMPLES LABORATORY RESULTS				
Sample Number	**Detection Limit**	**Units**	**99-86-WQ-01 Sept. 13/99**	**99-86-WQ-02 Sept. 13/99**
Site Desciption			160 m upstream from camp site	50 m east of Haggart Creek confluence with Iron Rust creek
Temperature (field)	N/A	oC	6.9	6.9
pH (field)	N/A	pH	7.68	7.78
Conductivity (field)	N/A	µS/cm	287	276
pH (Lab)	0.01	pH	7.94	7.96
Conductivity (Lab)	0.01	µS/cm	300	300
Total Alkalinity	5	mg CaCO3/L	95	95
Chloride	0.25	mg/L	<0.25	<0.25
Hardness (CaCO3 equiv)	5	mg/L	164	165
Nitrate-N	0.05	mg/L	0.08	<0.05
Nitrite-N	0.003	mg/L	<0.003	0.003
Sulphate	1	mg/L	51	50.7
Total Dissolved Solids	5	mg/L	189	248
Analysis by ICP-USN				
Aluminum	0.0008	mg/L	0.018	0.121
Antimony	0.005	mg/L	<0.005	<0.005
Arsenic	0.01	mg/L	<0.01	<0.01
Barium	0.00004	mg/L	0.0335	0.0335
Beryllium	0.00001	mg/L	<0.00001	<0.00001
Bismuth	0.0004	mg/L	<0.0004	<0.0004
Boron	0.002	mg/L	<0.002	<0.002
Cadmium	0.00006	mg/L	0.00012	0.000066
Calcium	0.002	mg/L	39.6	39.2
Chromium	0.00006	mg/L	0.00021	0.00027
Cobalt	0.00003	mg/L	<0.00003	<0.00003
Copper	0.00003	mg/L	0.00134	0.00131
Iron	0.00001	mg/L	0.026	0.073
Lead	0.0003	mg/L	<0.0003	<0.0003
Lithium	0.001	mg/L	0.004	0.005
Magnesium	0.0005	mg/L	10.2	10.4
Manganese	0.00002	mg/L	0.00272	0.00421
Mercury	0.0001	mg/L	<0.0001	<0.0001
Molybdenum	0.00007	mg/L	<0.00007	<0.00007
Nickel	0.00001	mg/L	0.0008	0.0006
Phosphorus	0.03	mg/L	<0.03	<0.03
Potassium	0.4	mg/L	0.7	0.8
Selenium	0.004	mg/L	<0.004	<0.004
Silicon	0.004	mg/L	2.91	3.07
Silver	0.00005	mg/L	<0.00005	<0.00005
Sodium	0.004	mg/L	1.7	1.7
Strontium	0.00002	mg/L	0.2	0.2
Sulphur	0.008	mg/L	16.1	15.9
Thallium	0.001	mg/L	<0.001	<0.001
Titanium	0.00002	mg/L	0.00034	0.0036
Vanadium	0.00003	mg/L	<0.00003	<0.00003
Zinc	0.0002	mg/L	<0.0002	<0.0002
Analysis by Hydride AA				
Arsenic	0.0002	mg/L	0.001	0.0009
Selenium	0.0001	mg/L	<0.0001	<0.0001

Photo 86-1 : Upstream of Meilecke Site looking west.

Photo 86-2 : Meilecke Site. Camp site located in old trench (looking west).

Photo 86-3 : Meilecke Site camp looking east.

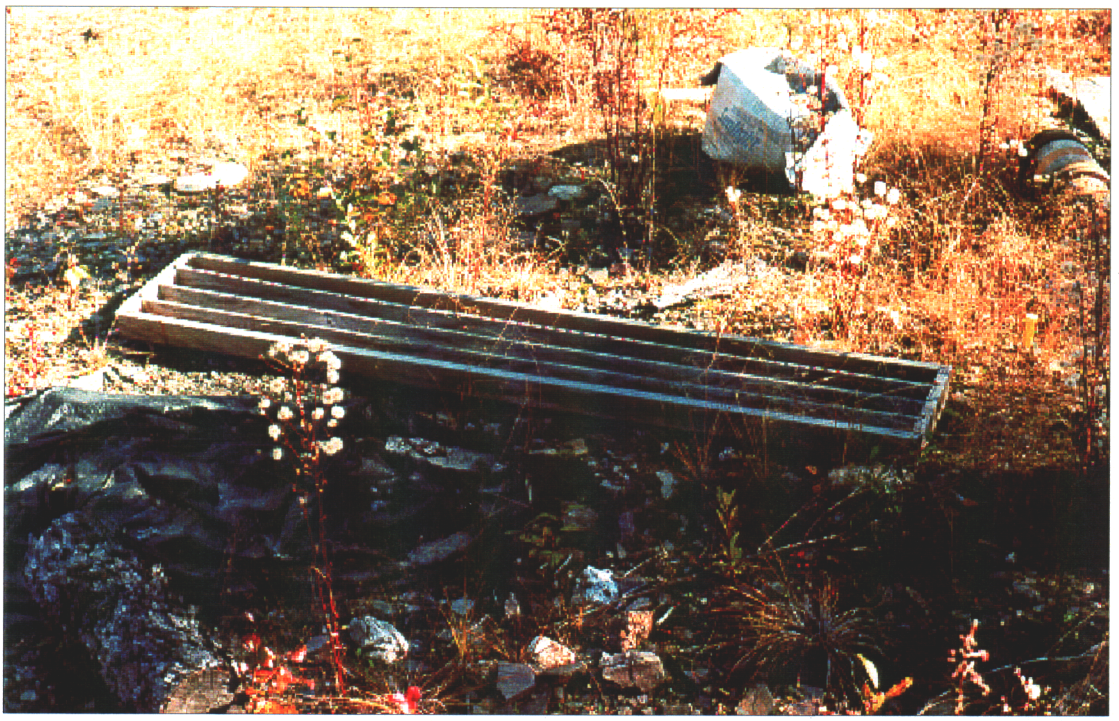

Photo 86-4 : Meilecke Site, core box.

Photo 86-5 : Meilecke Site, generator & debris along creek looking east.

Photo 86-6 : Meilecke Site, battery near stream (100m S.W. of camp site).

Photo 86-7 : Meilecke Site. Downstream water sample location 50m E. of confluence of Haggart & Iron Rust Creeks.