

(1989)

PROPERTY NAME: **Burrell Creek**

NTS: 82E/9W

OWNER: John Carson
7265 North Fork Road
Grand Forks, B.C.
phone: 442-2406

LAT: 49° 32'
LONG: 118° 24'

CLAIMS: Grizz, Chance 1-4, IXL 1-2, Bryan (L3241), Bystander (L1028), Cottage (L585s), Last Chance (L585s), Munster (L923s), Thout (L455s), Waverly (L578s), Burrell 86 (51 units)

LOCATION AND ACCESS: The Burrell Creek property is located about 70 kilometres north of Grand Forks, at the southern end of the Franklin Camp. Access to the claims is by the Burrell Creek road which connects with the main Pope and Talbott road along the east side of Burrell Creek.

SUMMARY OF FIELD VISIT: The Burrell Creek claims are underlain by a north trending remnant of Paleozoic metasediments and metavolcanics, intruded by syenite and granodiorite stocks and dykes, and unconformably overlain by Tertiary volcanics and sediments. The property is situated at the south end of the Franklin Camp, where 144,000 tons of ore yielding 48,158 oz Au and 1,407,975 oz Ag, were shipped from quartz veins at the Union Mine.

Three main showings occur on on the Burrell Creek claims, as detailed below. Mineralization consists primarily of disseminated to massive pyrite, magnetite, chalcopyrite, sphalerite and galena in skarn zones developed near the contact of limestones of the Franklin Group with Nelson granodiorite dykes. Norman (1969) compares the geology and mineralization of the property with that of the Phoenix Mine. The Burrell Creek property has received only a limited amount of recent exploration. Newmont completed geochemistry, geophysics, trenching and minor diamond drilling in the late 1960's. More recently, Linsor Resources completed a geochemical survey over a small portion of the property.

McKinley: The McKinley claim was staked in 1896 to cover a skarn zone developed at the contact of Upper Triassic limestone of the Gloucester Formation with Nelson granodiorite intrusives. To the west of the limestone a 30 metre wide zone of silicified, pyrite rich rock with minor chalcopyrite occurs, while to the east a massive magnetite, pyrite (plus chalcopyrite, sphalerite and galena) skarn zone is developed. In the late 1940's 145 tons of ore, with an average grade of 0.013 oz/t Au, 6.3 oz/t Ag, 11.2% Pb, 16% Zn, and 3% Cu, were shipped from the McKinley claim. Three samples were collected from dump material at the McKinley workings as detailed below.

IXL: The IXL claim is situated 2 kilometres to the east of the McKinley workings, separated from it by Tertiary volcanics and sediments (post-mineral). McDougall (1984) interprets the IXL showing to be a possible extension of the McKinley deposit, offset along a ENE fault. The claim was staked in 1904 to cover erratic chalcopyrite and magnetite in a garnet-epidote skarn. Skarn development is associated with a remnant of limestone in a silicified pyritic feldspar porphyry. A mineralized quartz vein is also known to occur. A minor amount of diamond drilling was done by Newmont in the area, yielding only weak values (5 feet of 0.26% Cu). Linsor Resources recently outlined a strong gold anomaly in soils. The anomaly measures 200 metres by 450 metres in size, with values to 1080 ppb gold. This is encouraging, especially considering the limited amount of geochemistry which has been done. No follow-up has been done on this anomaly, or on a number of other geochemical and geophysical anomalies defined earlier by Newmont. Three samples were collected from the trenches on the IXL claim, as detailed below.

Last Chance: The Last Chance claim is located about 300 metres to the east of the McKinley showing. A short tunnel has been driven into heavily altered metasediments containing minor pyrite and galena. Select material from the dump is reported to run up to 0.27

oz/t Au and 7.0 oz/t Ag. These results have not been reproduced by other workers or by the one sample collected in this study.

In summary, several known showings occur on the Burrell Creek claims. These showings consist primarily of Cu-Ag-Pb-Zn-Au skarn zones within the Franklin Group metasediments. Little recent exploration has been done on the property. A number of geochemical and geophysical anomalies have been defined which require follow-up.

SAMPLE DESCRIPTIONS AND RESULTS:

		Au	Ag	Cu	Pb	Zn*
BCS 18399	Last Chance; fng silic volc, 10-15% diss py	(22)	2.0	(184)	(39)	(148)
BCS 18400	McKinley; cpy-mag skarn	(140)	24.0	0.36	(890)	0.49
BCS 18401	McKinley; 15% cpy,py,bo in silic skarn	0.14	44.0	3.79	0.08	0.02
BCS 18402	McKinley; same as 410	0.17	62.5	5.64	0.04	0.02
BCS 18403	IXL North; 10-15% cpy, py,sphal,gal in skarn	0.33	52.2	2.03	1.67	8.13
BCS 18404	IXL Creek; rusty qtz vein, minor gal	(140)	49.5	0.13	3.30	(385)
BCS 18405	IXL Creek; rusty py rich skarn	(1000)	16.1	0.69	(255)	(340)

* Values in brackets are in units ppb for Au, ppm from Cu,Pb,Zn. Values not in brackets are in units g/t for Au, Ag and % for Cu,Pb,Zn.

RECOMMENDATIONS: Good values were obtained from samples collected from the surface showings on the Burrell Creek property. Little recent work has been done on the claims and there is good potential for a significant sized Cu-Pb-Zn-Ag_Au skarn deposit to occur on the claims. A number of good geochemical and geophysical anomalies which require follow-up have been outlined. This is a very early stage property, and although potential is good, much of the favorable geology is underlain by post mineral Tertiary cover. Because of the early stage of the property and the high cost of exploration, it is not recommended that the claims be pursued at

this time.

REFERENCES:

Drysdale, C., 1915. Geology of Franklin Mining Camp, British Columbia, GSC Memoir 56.

Kornze, L., 1969. Franklin Project - Geochemical soil and stream sediment survey, Newmont Report.

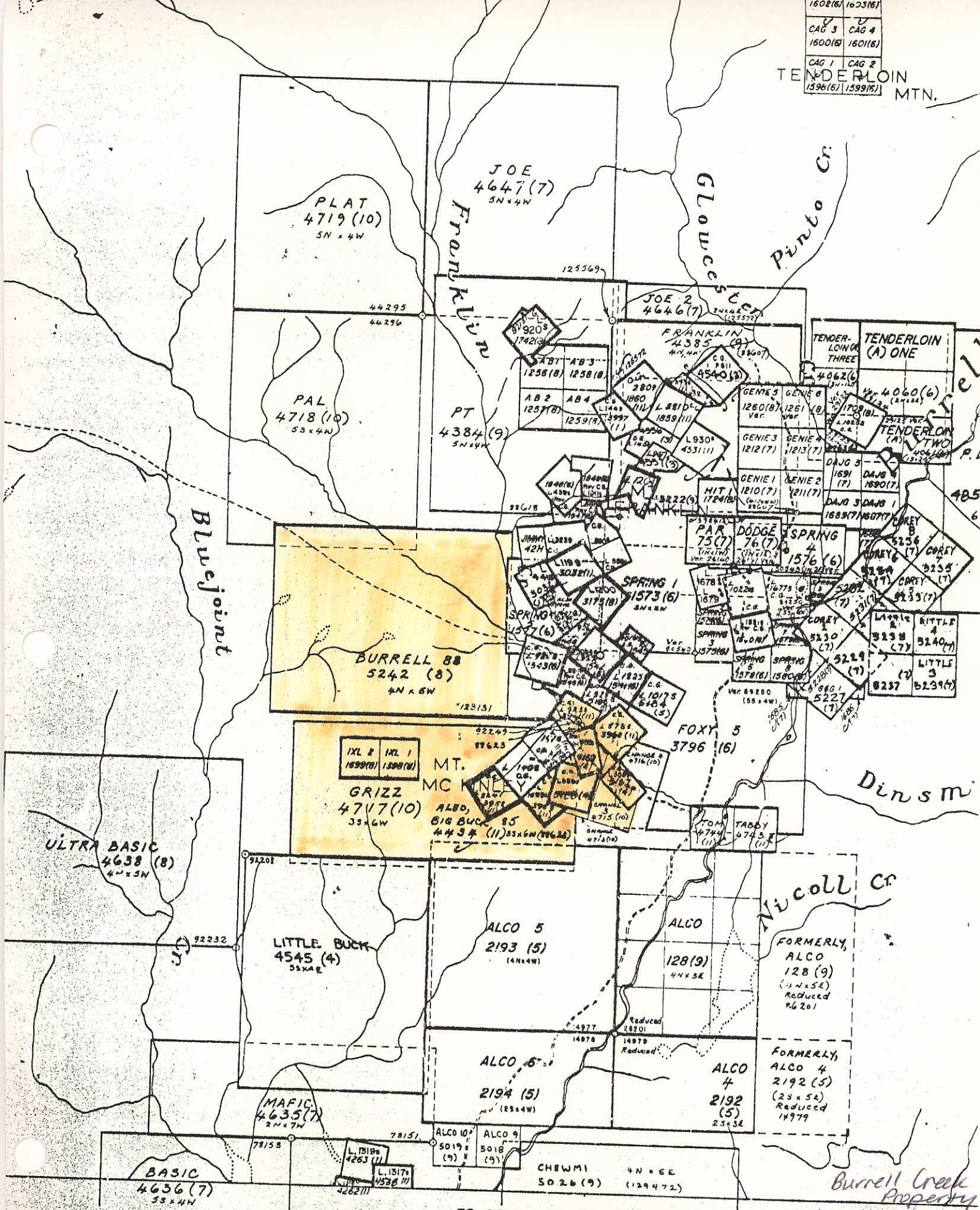
Norman, G., 1969. Franklin Project - Field Work, Geological considerations and results, Newmont Report.

McDougall, J., 1984. Compilation report on the Burrell Creek Claims.

L. Lee
November, 1989

1602(16)	1603(16)
CAG 3	CAG 4
1600(16)	1601(16)
CAG 1	CAG 2
1596(16)	1599(16)

TENDERLOIN MTN.



TO SOUTH SEE MAP 82 E 8 W

Burrell Creek Property
82 E / 19 W
1:50,000

Information on
you should