

GEOLOGICAL SURVEY BRANCH  
ASSESSMENTS

26,730

ASSESSMENT REPORT

on the

KINGFISHERPROPERTY

KINGFISH 1 AND 2 MINERAL CLAIMS

MABEL LAKE AREA

VERNON MINING DIVISION, B.C.

NTS:	082L/10E
Latitude:	50°43'51"N
Longitude:	118°43'58"W
Owner:	T.H. Carpenter, P.Geo
Operator:	Discovery Consultants
Author:	T.H. Carpenter, P.Geo.
Date:	November 26, 2001

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## SUMMARY

The Kingfisher property is a stratabound carbonate-hosted Zn-Pb occurrence lying within the Precambrian Shuswap Metamorphic Complex, a belt of high grade metamorphic rocks. Rocks on the property comprise a heterogeneous package of granitoid gneiss, augen gneiss, sillimanite-bearing schist and prominent marble and quartzite layers.

The Kingfisher occurrence is located about 8 kilometres west of the north end of Mabel Lake and approximately 60 kilometres north-northeast of Vernon.

Exploration work has been carried out on the property since the early 1960s. Mineralization comprises pyrrhotite, sphalerite, galena and minor chalcopyrite and pyrite.

In 2001 a program of rock sampling was carried out on the property.

## LOCATION AND ACCESS

The Kingfisher property is centred at latitude 50° 43' 51" north and longitude 118°43'58" west, 32 kilometres north-northeast of Enderby (Figure 1).

Access to the property can be gained by paved road from Enderby via the Mabel Lake road to Hupel. From Hupel, the Kingfisher Forest Service Road runs north. Just past the 14 km. mark a 4X4 road runs northerly for approximately 1.8 km to the area of the main showing.

## TOPOGRAPHY

The property lies on the southeastern slope of a northeastern trending ridge between Kingfisher Creek to the north and Danforth Creek to the south. Topography is moderate with elevations ranging from 2500' (762 m) to 2900' (885m).

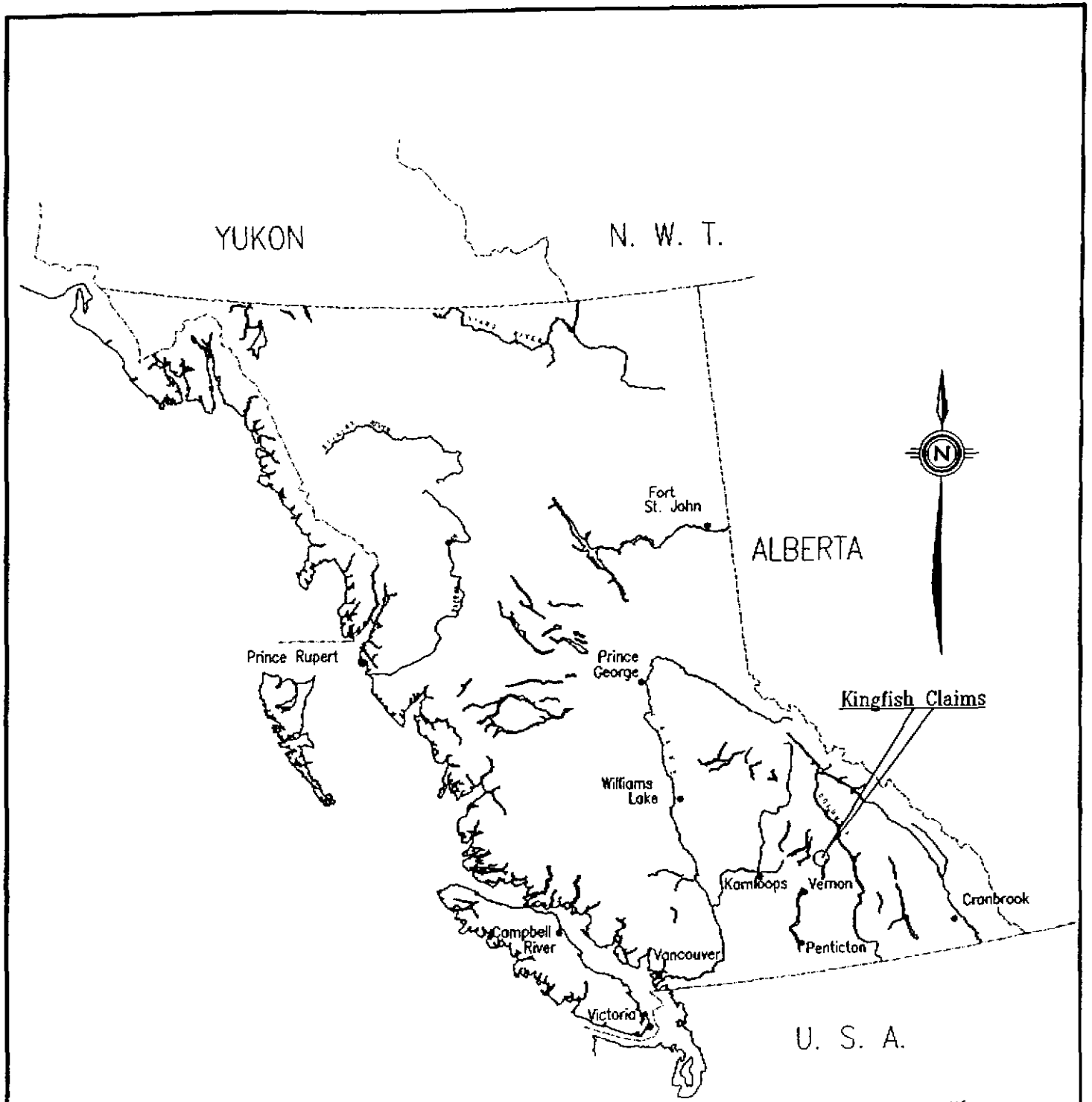
## PROPERTY

The Kingfisher property (Figure 2) comprises two two-post claims designated the Kingfish 1 and 2, located on April 26, 2000 and recorded in Vernon, B.C. on May 01, 2000. A Common Anniversary Date was applied for on April 23, 2001 and the anniversary date extended to October 26.

<u>Claim Name</u>	<u>Record No.</u>	<u>Owner of Record</u>	<u>Anniversary Date</u> *
Kingfish 1	376052	T.H. Carpenter	October 26, 2005
Kingfish 2	376053	T.H. Carpenter	October 26, 2005

The claims are held in trust for the Peregrine Syndicate.

\* Pending acceptance of this report.

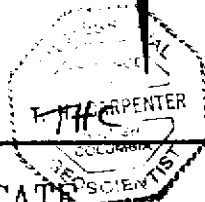
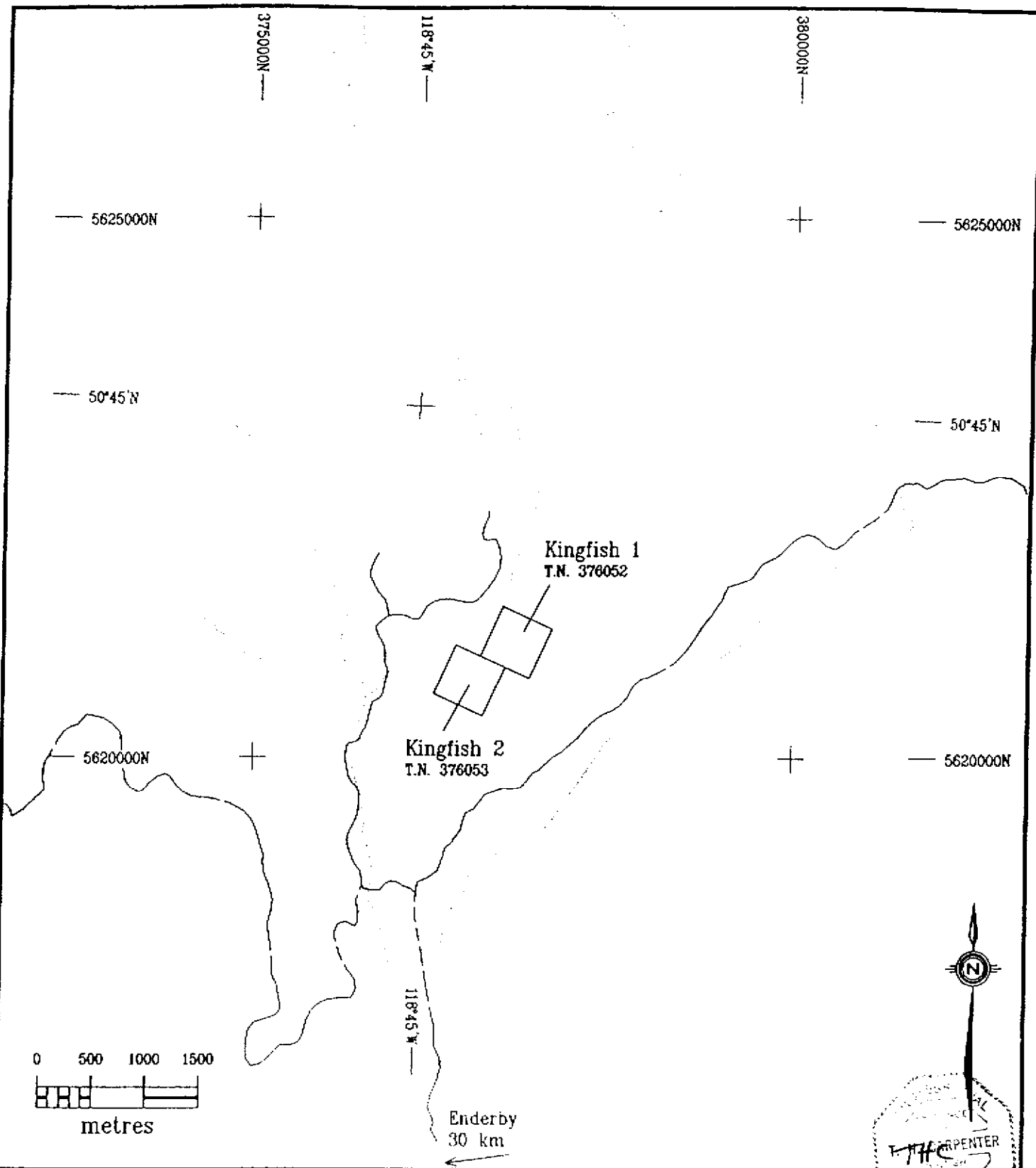


**DISCOVERY** Consultants

PEREGRINE SYNDICATE

Kingfish Claims

LOCATION MAP



**DISCOVERY** Consultants

PEREGRINE SYNDICATE

Kingfish Claims

Claim Location Map

## HISTORY

The Bright Star Trio Syndicate discovered the principal showing on the Kingfisher property in 1963 or 1964. A mapping and geophysical program was carried out and disclosed extensive lead-zinc mineralization in association with limestone host rock.

During 1964 Sheep Creek Mines Ltd completed six diamond drill holes containing 642' in the area of the property. Several trenches were also constructed over a distance of 2400'.

Between 1965 and 1973 extensive stripping and trenching and minor diamond drilling was carried out by the Bright Star Trio Syndicate over the area of the showings.

In 1973 and 1974 work by Colby Mines included geological mapping, electromagnetic and magnetometer surveys and 5,600 feet of diamond drilling. Further trenching in 1974 led to the discovery of lead-zinc mineralization east of the original showings.

The work by Colby Mines led to an indicated reserve estimate on the property of 1.67 million tonnes grading 0.58 per cent lead and 2.6 per cent zinc.

The Peregrine Syndicate staked the property in 2000.

## GENERAL GEOLOGY

The Kingfisher property area is underlain by rocks that have been divided into six metamorphic units and two intrusive units. The metamorphic units include biotite gneiss, interlayered quartzite and marble, and calcsilicate gneiss overlain by a thick marble unit (unit 3). These units are in turn overlain by biotite gneiss with minor associated calcsilicate gneiss, calcareous hornblende gneiss and amphibolite.

Mineralization in the central zone is in marble of unit 3 and in overlying calcsilicate and quartzite. Mineralization comprises dark, medium grained sphalerite with varying amounts of pyrrhotite and pyrite disseminated through a medium to coarse-grained white calcite matrix.

Published indicated reserves on the Kingfisher property are 1.67 million tonnes grading 0.58 per cent lead and 2.6 per cent zinc.



## WORK COMPLETED

In 2001 a work program was carried out on the Kingfisher property. Within the central zone indicated reserves of 0.8 million tonnes of 8 % zinc and 2 % lead were calculated in-house by Colby Mines.

It is evident at the central zone that a limited mining program was carried out at the site at some time in the past as evidenced by waste piles and the presence of crushed material stored on site in 45 gallon drums. The 2001 program comprised the sampling of crushed mineralized material contained within 12 forty-five gallon (205 litre) drums at the main showing area as well as the sampling of mineralized material from waste piles at the central zone.

### Program Results

Of the ten samples collected at the central zone, made up of six samples from the crushed material stored in drums and four samples from the waste piles, all contained greater than 10,000 ppm zinc. All of the samples from the drums also contained greater than 10,000 ppm lead while waste pile samples contained lead values ranging from 136 ppm to 8580 ppm.

Assay of the overlimits from the initial geochemical analyses ranged up to 6.32 % lead and 14.9 % zinc. Combined lead and zinc values in the samples collected from the barrels range from 10.78 % to 17.78 %.

Complete assay results are contained in Appendix A.

## CONCLUSIONS AND RECOMMENDATIONS

Approximately 3.5 tonnes of crushed zinc and lead material are contained in drums at the Kingfisher site. From this material it is evident that mineralized rock from the showing area can be easily beneficiated to ore-grade or near ore-grade material by selective extraction and crushing.

. The value of a concentrate similar to that present at the site should be calculated and various costs related to mining should be investigated, principally the cost of shipping concentrate to the nearest smelter. It is anticipated that shipping would comprise the highest portion of the costs associated with a limited mining venture.

If at some future date the value of contained metals at the Kingfisher site exceeds the mining and shipping costs then consideration should be given to mining the mineralization at the Kingfisher property on a limited basis.

Respectfully submitted,

  
T.H. Carpenter, R. Geo.

Vernon, B.C.

November 26, 2001

## BIBLIOGRAPHY

British Columbia Ministry of Energy, Mines and Petroleum Resources – Annual Reports.

1964 - pp. 105-108

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Geological Survey of Canada Bulletin 270

British Columbia Ministry of Energy, Mines and Petroleum Resources- Geology, Exploration and Mining

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1974- pp. 91-94

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1977- p. E.82

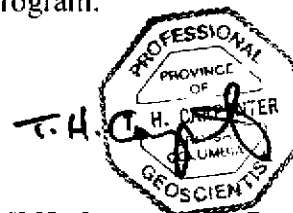
## STATEMENT OF COSTS

Tom Carpenter (P.Geo.)			
Planning & Field Work			
1.0 Day		\$450.00	
Data Compilation & Report Writing			
1.5 Day		<u>675.00</u>	
			\$1,125.00
Personnel			
Drafting		100.00	
Secretarial		<u>100.00</u>	
			200.00
Expenses			
Analysi by Chemex lab			
Rock Samples - ICP			
10 @\$14.00/sample	\$140.00		
Rock Samples - AA (Pb)			
6 @\$7.00/sample	42.00		
Rock Samples - AA (Zn)			
4 @\$7.00/sample	28.00		
6 @\$3.00/sample	<u>18.00</u>		
		228.00	
Field Supplies		10.00	
Communications		5.00	
Office		<u>75.00</u>	
			318.00
			<u>318.00</u>
		<b>TOTAL EXPLORATION COSTS:</b>	<b>\$1,643.00</b>
Transportation			
1 day 4x4	\$40.00		
Mileage	48.00		
Fuel	<u>16.00</u>		
		\$104.00	
a) 20% of Exploration costs:		\$328.60	
		or	
b) Actual Transportation costs:		\$104.00	<u>104.00</u>
			<u>104.00</u>
		<b>GRAND TOTAL EXPLORATION COSTS:</b>	<b><u>\$1,747.00</u></b>

## STATEMENT OF QUALIFICATIONS

I, THOMAS H. CARPENTER of 3902 14<sup>th</sup> Street, Vernon, B.C., V1T 3V2, DO HEREBY CERTIFY that:

1. I am a consulting geologist in mineral exploration with Discovery Consultants of Vernon, B.C.
2. I have been practicing my profession since graduation.
3. I am a 1971 graduate of the Memorial University of Newfoundland with a Bachelor of Science degree in geology.
4. I am a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia.
5. This report is based upon knowledge of the Kingfisher property gained from a review of earlier work and completion of the field program.



T.H. Carpenter, P. Geo.

Vernon, B.C.  
November 26, 2001

**APPENDIX A**

**Rock Sample – Assay Results**



# ALS Chemex

Aurora Laboratory Services Ltd.  
 Analytical Chemists \* Geochemists \* Registered Assayers  
 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
 PHONE: 604-984-0221 FAX: 604-984-0218

To: DISCOVERY CONSULTANTS

P.O. BOX 933  
 VERNON, B.C.  
 V1T 6M8

A0125082

Comments: ATTN: TOM CARPENTER

CERTIFICATE

A0125082

(BPI) - DISCOVERY CONSULTANTS

Project: 662  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 01-OCT-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
FUL-31	10	Pulv. <250g to >85%/-75 micron
STO-21	10	Reject Storage-First 90 Days
LOG-22	10	Samples received without barcode
CRU-31	10	Crush to 70% minus 2mm
SPL-21	10	Splitting Charge
229	10	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	10	Weight of received sample	BALANCE	0.01	1000.0
Ag-ICP41	10	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	10	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	10	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	10	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	10	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	10	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	10	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	10	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	10	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	10	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	10	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	10	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	10	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	10	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	10	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	10	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	10	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	10	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	10	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	10	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	10	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	10	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	10	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	10	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	10	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	10	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	10	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	10	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	10	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	10	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	10	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	10	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	10	W ppm: 32 element, soil & rock	ICP-AES	10	10000



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Project: 662  
 Comments: ATTN: TOM CARPENTER

Page Number :1-A  
 Total Pages :1  
 Certificate Date: 01-OCT-2001  
 Invoice No. : I0125082  
 P.O. Number :  
 Account : BPI

## CERTIFICATE OF ANALYSIS

A0125082

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
KF 01	94139402	0.84	3.4	0.07	< 2	< 10	10	< 0.5	16	1.98	162.0	1	76	128	9.18	< 10	< 1	< 0.01	< 10	0.35
KF 02	94139402	0.84	3.8	0.07	< 2	< 10	10	< 0.5	10	1.21	88.5	< 1	115	93	6.65	< 10	< 1	0.01	< 10	0.21
KF 03	94139402	1.10	3.8	0.04	< 2	< 10	< 10	< 0.5	14	1.35	198.5	< 1	90	82	6.88	< 10	1	< 0.01	< 10	0.18
KF 04	94139402	1.22	3.2	0.04	< 2	< 10	< 10	< 0.5	10	1.61	160.0	< 1	75	86	6.92	< 10	< 1	< 0.01	< 10	0.18
KF 05	94139402	0.86	3.8	0.04	< 2	< 10	< 10	< 0.5	14	1.61	221	< 1	76	103	7.42	10	1	< 0.01	< 10	0.19
KF 06	94139402	0.96	3.6	0.04	< 2	< 10	< 10	< 0.5	10	1.59	182.0	< 1	74	104	7.01	< 10	1	< 0.01	< 10	0.19
KF 07	94139402	0.68	< 0.2	0.36	< 2	< 10	40	1.0	< 2	0.62	13.5	< 1	6	229	>15.00	10	< 1	0.11	< 10	0.29
KF 08	94139402	0.50	3.8	0.03	< 2	< 10	< 10	< 0.5	50	3.17	271	< 1	6	49	6.01	10	2	0.01	< 10	0.61
KF 09	94139402	0.86	< 0.2	0.29	< 2	< 10	10	1.0	< 2	3.36	27.0	< 1	6	173	11.70	< 10	< 1	< 0.01	< 10	0.45
KF 10	94139402	0.80	< 0.2	0.05	< 2	< 10	10	< 0.5	4	2.56	188.0	< 1	< 1	123	9.14	10	1	< 0.01	< 10	0.32

CERTIFICATION:





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Project: 662  
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Page Number :1-B  
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 Certificate Date: 01-OCT-2001  
 Invoice No. :10125082  
 P.O. Number :  
 Account :BPI

## CERTIFICATE OF ANALYSIS

A0125082

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
KF 01	94139402	130	13 < 0.01		26	7190 >10000		7.02	< 2	< 1	66 < 0.01	< 10	10	< 1	< 10	>10000	
KF 02	94139402	50	13 < 0.01		7	4760 >10000		6.03	< 2	< 1	42 < 0.01	< 10	< 10	< 1	< 10	>10000	
KF 03	94139402	110	13 < 0.01		18	5550 >10000		6.29	< 2	< 1	46 < 0.01	< 10	< 10	< 1	< 10	>10000	
KF 04	94139402	90	15 < 0.01		11	4010 >10000		6.46	< 2	< 1	48 < 0.01	< 10	10	< 1	< 10	>10000	
KF 05	94139402	125	12 < 0.01		21	5470 >10000		6.83	2	< 1	53 < 0.01	< 10	10	< 1	< 10	>10000	
KF 06	94139402	110	14 < 0.01		17	5690 >10000		5.91	2	< 1	52 < 0.01	< 10	< 10	< 1	< 10	>10000	
KF 07	94139402	120	16 < 0.01		4	2750 2040		3.19	< 2	< 1	18 0.01	< 10	10	10	< 10	>10000	
KF 08	94139402	285	16 < 0.01		< 1	3080 8580		8.87	2	< 1	72 < 0.01	< 10	< 10	< 1	< 10	>10000	
KF 09	94139402	105	16 < 0.01		1	3770 318		7.09	< 2	< 1	104 < 0.01	< 10	10	< 1	< 10	>10000	
KF 10	94139402	215	14 < 0.01		1	1000 136		7.53	< 2	< 1	82 < 0.01	< 10	< 10	< 1	< 10	>10000	

CERTIFICATION: \_\_\_\_\_



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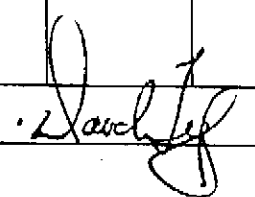
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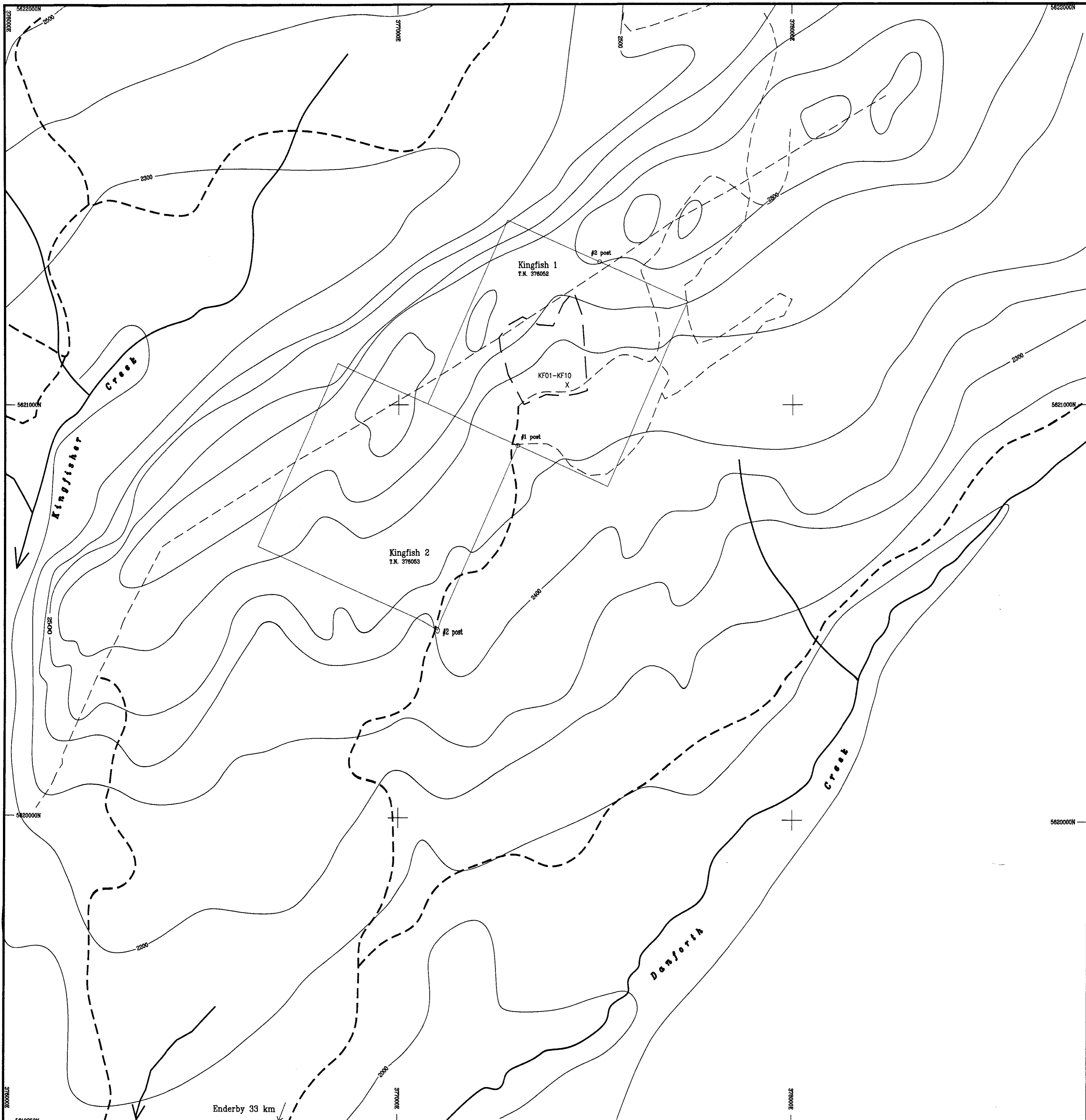
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Certificate Date: 03-OCT-2001  
Invoice No. : 10125895  
P.O. Number :  
Account : BPI

## CERTIFICATE OF ANALYSIS

A0125895

SAMPLE	PREP CODE	Pb %	Zn %								
KF 01	212 --	5.10	9.48								
KF 02	212 --	6.31	4.47								
KF 03	212 --	5.44	10.20								
KF 04	212 --	4.70	8.06								
KF 05	212 --	5.68	12.10								
KF 06	212 --	5.41	10.65								
KF 07	212 --	-----	3.74								
KF 08	212 --	-----	14.90								
KF 09	212 --	-----	1.53								
KF 10	212 --	-----	10.25								

CERTIFICATION: 

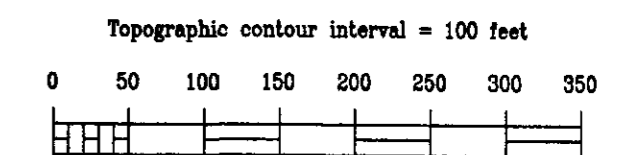
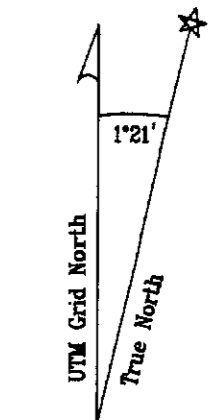


- LEGEND**
- KFO1 X Rock sample location
  - Road / trail location
  - Geological boundary
  - Stripped area

GEOLOGICAL SURVEY BRANCH

26730

DRAWN: Nov.22/2001	
REVISION DATE	REVISION
Path: 662/geo_662.dwg	



DISCOVERY Consultant

**PEREGRINE SYNDICATE**

Kingfisher Property  
 Geochemistry in Rocks  
 Sample Location Map

Location: Enderby	Mining Jurisdiction: Vernon
Datum: NAD83	Map Ref: 082L-077
Scale: 1:5000	UTM: 11
Project: 662	Date: Nov.22/2001
Drawn By: RM	Figure: 3

Enderby 33 km