

Report from Geospec Consultants dated Dec. 12, 1983

Received Dec. 19, 1983

675953
Erikson Gold
104P/4

Pb Isotope Ratios (cont'd)

No.	$\frac{206\text{Pb}}{204\text{Pb}}$	$\frac{207\text{Pb}}{204\text{Pb}}$	$\frac{208\text{Pb}}{204\text{Pb}}$	SAMPLE I.D.
34	18.031	16.048	36.939	GFA83-440(310) Artillery L., NWT
35	16.475	15.561	35.781	GFA82-523 " "
36	16.585	15.600	35.938	GFA83-528 " "
37	17.594	16.056	36.134	GFA82-584A " "
38	15.596	15.403	35.259	TQ69-28 Norris Lake, N.W.T.
39	16.026	15.431	35.569	TQ72-19 Cabin Islands, Gt. Slave L., N.W.T.
40	18.415	15.638	38.299	TQ83-59 S. Margin Aikley granite, Nfld.
41	13.505	14.606	33.312	TQ83-60 Island L. Gold Mine, man.
42	15.145	15.181	34.987	TQ83-62 Blondeau Fr., Radar Dome, Chibougamau
43	14.072	14.694	33.342	TQ83-63 Bachelor L., Que.
44	13.607	14.547	33.252	TQ83-64 " " "
45	12.313	13.947	32.183	TQ83-65 Annex Riverbank, Barberton
46	12.307	13.944	32.186	TQ83-66 " " "
47	13.269	14.415	32.840	TQ83-72 Bien Venue, Barberton
48	13.558	14.614	33.403	TQ83-100 Pine Portage, L. Nipigon
49	19.633	15.744	39.795	DY2627 YP
50	19.568	15.730	39.827	DY2628 YP
51	19.443	15.719	39.699	DY2630 Lola
52	19.392	15.708	39.407	DY2666 mt. Hundere
53	19.396	15.716	39.435	DY2669 mt. Hundere
54	18.697	15.681	38.735	DY2723 Bar (80652)
55	18.752	15.619	38.473	DY2850 Cyclops
56	19.076	15.677	38.896	DY2851 Erikson Gold
57	19.057	15.676	38.932	DY2852 " "
58	15.834	15.362	35.549	RF83-244 Taltson River, N.W.T.
59	18.538	15.564	38.517	LEA83-CY-2A-434.5-1 Cyprus
60	19.137	15.672	38.085	DY2818A Sph Lang Ck., B.C.
61	18.435	15.770	37.675	DY2834 Sph BE Mine, Phoenix Camp, BC
62	16.526	15.564	36.586	TQ83-40 Bn Caratiba, Brazil
63	17.718	15.610	37.911	TQ83-41 Cpy " "
64	15.797	15.547	35.812	TQ83-42C Bn " "
65	15.797	15.551	35.881	TQ83-42F Bn " "

9/1/84

Day - Here are the Erikson Pb isotope analyses.
Ralph Thorpe says the remaining Cuxac Pb will
be forthcoming soon. I'll call him in two
weeks time.

Best regards

Len.

GEOSPEC CONSULTANTS LIMITED

Geochronology and Stable Isotopic Analyses



TO
A

Dr. R.I. Thorpe

FROM
DE

Dr. K.M. Dawson

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE - N / RÉFÉRENCE
YOUR FILE - N / RÉFÉRENCE
DATE 21 January, 1983

SUBJECT / OBJET Specimen for Pb isotope analysis from Erickson Gold Mine, Cassiar, B.C.

DY2551: Collected from small vein intermediate to Maura and Allison veins, on main haulage level; collected by Susan Walker, submitted by Rick Somerville.

Location: 104P/04 59°13'N;129°39'W.

Refs: BCMEMPR Fieldwork 1980, p. 55-62.

Description: Small quartz-ferrodolomite vein with only known occurrence of galena in the Erickson mine, with sphalerite, chalcopyrite and pyrite and probably minor gold. Hosted by argillite of Miss-Perm Sylvester Group.

Comments: Mineralogy (except for rare occurrence of galena) is similar to other Erickson Ck. area gold-bearing veins. Specimen should be analyzed for Au content to confirm its age relative to other veins. Pb isotopic content should allow decision on metamorphogenic origin of base metal-Au veins vs. pluton-related skarns and veins in district. Compare to specimens DY2543 and DY2544 submitted Dec. 21/82.

K.M. Dawson

KMD/bv

Encl.

cc: R. Somerville



TO / A Dr. R.I. Thorpe

FROM / DE Dr. K.M. Dawson

SECURITY - CLASSIFICATION - DE SÉCURITÉ
OUR FILE - N / RÉFÉRENCE
YOUR FILE - N / RÉFÉRENCE
DATE 21 December, 1982

SUBJECT / OBJET Two specimens for Pb isotope analysis from Cusac (Erickson Gold) and Bad Bear skarn occurrence, near Cassiar, B.C.

DY2543: Name: Bad Bear or McDame Belle claim.

Location: 104P/03. 129°22'W; 59°16'N
In McDame Ck. canyon 2 miles E of Centreville.

Refs: GSC Mem. 319, p. 114; MMAR 1965, p. 14-15.

Description: Base metal skarn developed in Atan Limestone (Low. Cambrian) adjacent to Cassiar batholith. Grossularite, diopside, tremolite + sphalerite, galena, pyrite, pyrrhotite, chalcopyrite, specularite, scheelite. Seven skarn zones reported.

Comments: The Pb isotopic composition of this skarn galena, developed adjacent to a mid Cretaceous or younger pluton satellitic to Cassiar batholith, should be compared to that of galena from a gold-bearing vein in the nearby Erickson Creek camp. See DY2544.

DY2544: Name: Cusac claims. Line #4 vein.

Location: 104P/04. 129°40'W; 59°12'N
2 miles S of Erickson Gold Mine.

Refs: BCMEMPR Fieldwork 1980, p. 55-62.

Description: quartz-ferrodolomite-sphalerite-pyrite-chalcopyrite-gold-galena(?) vein at greenstone-argillite contact in Miss(?) to Perm. Sylvester Group.

Comments: Mineralogy and host rock similar to main Erickson Ck. veins, except apparently higher Pb content of this vein. High sphalerite content may yield some galena for Pb isotope analyses. Pb isotopic content may support metamorphogenic origin of base metal - Au veins hosted by Sylvester Gp greenstones. Compare to skarn Pb nearby (DY2543).