

TRA-17-20

FURTHER REPORT ON SAMPLING NICKELIFEROUS CLAYS FROM BEACONSFIELD

by M. Z. Stefanski.

During October, 1958, further surveying and sampling of nickel-cobalt ores were carried out at the Ben Lomond Mining Co.'s prospect near Beaconsfield. Seven trenches recently excavated were sampled to depths of up to 15 feet.

A map on a scale of 1" = 100 feet has been produced to show the location of the trenches.

From the chemical analyses it may be seen that there is a progressive enrichment in nickel towards the bottom of the trenches. Similar results were obtained (M. Z. Stefanski, Tas. Dept. Mines Tech. Reports No. 3, 1958) for samples taken from positions SA, SB and SC (see plan).

ANALYSES OF BEACONSFIELD CLAYS

(Pitulej's Prospect)

21st October, 1958

Reg. No.	Sample	Per-centage Ni	Footage	Thickness rep. by Sample	Thickness in inches \times Ni%	Average Ni Content
1068	B1	0.1	<i>ft. in.</i> 2 6	<i>in.</i> 30	3.00	..
1069	B2	0.84	3 0	36	30.24	..
1070	B3	0.53	3 6	42	22.32	..
1071	B4	1.04	3 0	36	37.44	..
..	Trench B	..	..	144	93.00	0.645%
1072	C1	0.26	4 0	48	12.48	..
1073	C2	0.17	3 0	36	6.12	..
1074	C3	0.16	2 0	24	3.84	..
1075	C4	0.28	3 0	36	10.80	..
1076	C5	0.97	3 0	36	34.92	..
..	Trench C	..	..	180	68.16	0.37%
1077	D1	0.10	3 0	36	3.60	..
1078	D2	0.26	3 0	36	9.36	..
1079	D3	0.25	3 0	36	9.00	..
1080	D4	0.57	3 0	36	20.52	..
..	Trench D	..	..	144	42.48	0.29%
1081	F1	0.54	2 0	24	12.96	..
1082	F2	0.50	2 0	24	12.00	..
1083	F3	0.66	2 0	24	15.84	..
1084	F4	0.73	2 0	24	17.52	..
..	Trench F	..	..	96	58.32	0.607%
1085	X1	0.17	2 0	24	4.08	..
1086	X2	0.20	2 0	24	4.80	..
1087	X3	0.25	2 0	24	6.00	..
1088	X4	0.39	2 0	24	9.36	..
1089	X5	0.84	2 0	24	20.16	..
1090	X6	0.56	2 0	24	13.44	..
1091	X7	0.96	2 0	24	23.04	..
..	Trench X	..	..	168	80.88	0.48%

ANALYSES OF BEACONSFIELD CLAYS—continued.

Reg. No.	Sample	Per-centage Ni	Footage	Thickness rep. by Sample	Thickness in inches × Ni%	Average Ni Content
			<i>ft. in.</i>	<i>in.</i>		
1092	G1	0.13	2 0	24	3.12	..
1093	G2	0.14	2 0	24	3.36	..
1094	G3	0.20	2 0	24	4.80	..
1095	G4	0.34	2 0	24	8.16	..
1096	G5	1.05	2 0	24	25.20	..
1097	G6	0.59	2 0	24	14.16	..
..	Trench G	..	..	144	58.80	0.408%
1098	H1	0.12	2 0	24	2.88	..
1099	H2	0.49	2 0	24	11.76	..
1100	H3	0.84	2 0	24	20.16	..
1101	H4	0.83	2 0	24	19.92	..
1102	H5	0.80	1 6	18	14.40	..
..	Trench H	..	..	114	69.12	0.606%

The average nickel content of all samples taken was thus found to be 470.76% i.e., 0.475%. However, as sampling was not systematic

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this result cannot be taken as indicative of the grade of the ore over the whole area of the prospect.

There is evidence that clays enriched to an average depth of more than 13 feet (after the removal of 3.5 feet overburden) should be found over a much wider area than that examined in detail.

As stated in a previous report, the nickel content of the clays is not high enough to justify further development from an economic point of view. However, if more information on the quantity and quality of the nickeliferous ores were desired, further prospecting by a boring campaign under the supervision of this Department would be desirable.

5 cm

BEACONSFIELD NICKEL PROSPECT ANDERSON CREEK AREA

LOCALITY MAP

0 60 120 CHS.

- LEGEND -

ALLUVIUM



PLEISTOCENE ALLUVIUM



FERRO-CHROMIFEROUS LATERITE



LATERITE



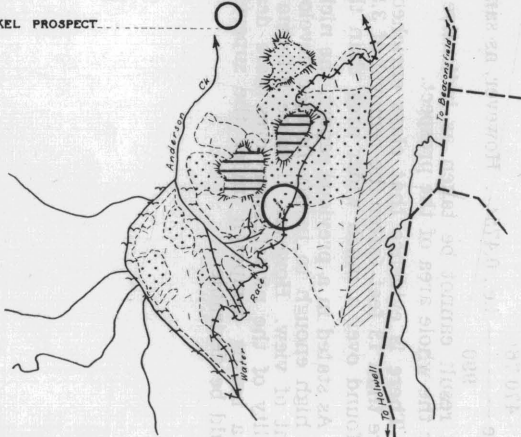
QUARTZITE



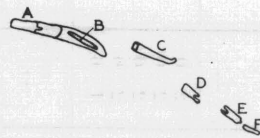
SERPENTINE



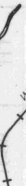
NICKEL PROSPECT



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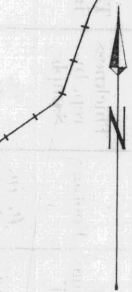


SB 9' 0.64% Ni
SA 8' 0.69% Ni
SC 6' 0.79% Ni



H

Qx



0 200 400 FT

M. Z. STEFANSKI
GEOLOGIST
OCT 1958

FIGURE 2.