

TABLE 11

Jukes Proprietary Mine Dump Samples Assays 1980-81

Sample No.	Adit Dump	Ore Type	Cu %	Pb ppm	Zn ppm	Co ppm	Fe %	Mn ppm	Ag g/t	Au g/t
24713	No. 1 (highest)	Cu	3.9	50	250	70	22	950	14	7.2
24714	No. 3 (middle)	Cu	7.3	150	230	20	24	2700	32	9.0
24715	No. 3 (middle)	Cu	12.1	2800	450	120	21	3800	90	9.3
24716	No. 2 (lowest)	Cu-Pb	4.2	2.9%	6800	60	11	2400	85	1.5

2.10 LAKE MARGARET IRONSTONE (R. M. D. Meares)

Prospecting and sampling of hydromorphic ironstone terraces along the north shore of Lake Margaret was carried out during February, 1981, when the water level in the lake was extremely low. This sampling was to follow-up a previous ironstone sample brought in during September, 1978, which assayed 150 ppm Cu, 0.65% Pb, 1.14% Zn and 25 g/t Ag (see E.L. 9/66 Annual Report for 1978-79, p58).

The 1981 sampling located extensive hydromorphic mid to dark brown ironstone terraces up to 10 cm thick at several levels on the north shore of the lake, within a thick sequence of Owen Conglomerate detritus and sand. The ironstone in the terraces cemented small (< 3 mm) angular detrital quartz fragments, suggesting a secondary origin for the terraces. A total of 13 samples were collected, ranging from single ironstone floaters to systematic semi-continuous samples along single terraces. Maximum values were 220 ppm Cu, 90 ppm Pb, 130 ppm Zn and < 2 g/t Ag. Sample locations and assays are shown in Figure 63.

Following receipt of the low 1981 assays, a close review of the high 1978 assay indicates that this sample was probably crushed and pulverised among a batch of galena-sphalerite bearing rock samples from the Beatrice prospect. Consequently the high 1978 assay is believed to result from either mixed-up sample numbers or from severe contamination.