

MINNOVA

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MEMORANDUM

FILE

DATE: August 31, 1987
A TO: A.J. Davidson
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DE FROM: G.S. Wells
SUJET SUBJECT: Diamond Drill Proposal - 1987 - Heather Project PN 224

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Detailed mapping, sampling, trenching and a soil geochemical survey were completed on the Heather property in June 1987. This work and previous Minnova exploration in the area have defined 2 areas of gold enrichment which warrant follow-up diamond drill testing - the Main Showing area and the Mc Dougall vein.

The Main Zone is characterized by a wide (70m+) rusty weathering quartz-pyrite zone which trends northwest-southeast. Although foliations within the zone dip steeply to the northeast (60-80°), interpretation of previous Minnova and Chevron drilling suggests that the zone dips to the southwest. Thus Minnova's 1986 drill holes did not adequately test the zone. Within this wide altered zone there are several high gold values including a one meter chip sample taken by Minnova personnel which assayed 106.1 g/T Au (3.077 oz/t Au). The Main Zone mineralization is reflected by an excellent copper, zinc, gold and weak arsenic soil geochemical anomaly which extends down slope from the discovery trench. Four holes totalling 470 meters are proposed to test the depth and strike extent of the Main Zone. Their location is given on the attached vertical longitudinal and details are given in the accompanying table.

The McDougall vein which is a narrow (approx 0.5m) quartz vein exposed over a strike length of 15 meters, is hosted in the pyroxene-bearing Nitinat flow breccia. Detailed chip sampling of this vein yielded assays of up to 50 g/T Au over 0.3m but most samples were in the 5 to 6 g/T range. Two short, 60 meter holes spaced at 30 meters along the strike of the vein will test its extent at shallow depths (15-30m). This meterage may be applied to the Main Zone area if trenching of the vein, which will be done prior to the drilling is not encouraging.

The estimated all-inclusive cost of this 6-hole 590 meter drill program is \$59,000.

Gary Wells

Table 1: Summary of Proposed Drilling

Hole #	Location	Dip	Azimuth	Depth (m)	Estimated Cost	Purpose
P-1	4+30W, 1+05S	-50	040	150	15,000	to test the Main Zone
P-2	6+00W, 0+70S	-50	040	100	10,000	to test the Main Zone
P-3	5+17W, 0+45S	-50	040	120	12,000	to test the Main Zone
P-4	4+70W, 0+50S	-50	040	100	10,000	to test the Main Zone
P-5	to be determined in field (no grid)			60	6,000	to test the McDougall Vein
P-6	to be determined in field (no grid)			60	6,000	to test the McDougall Vein

