

DATE: October 30, 1991
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FROM:
SUJET 1991 Fall Drill Proposal - Seneca Option
SUBJECT:

Introduction

The 1991 summer drill program resulted in the discovery of a new mineral deposit on the Seneca property. The Fleetwood zone was intersected in hole S-91-10 and S-91-16 and consists of a narrow massive sulphide bed underlain by extensive Cu-Zn stockwork mineralization. The Fleetwood is 3 kilometers west of the Seneca massive sulphide prospect. The mineralized zone occurs 150 meters below the surface in three drill holes 250 meters apart. Considerable post ore diking occurs in the zone and holes S-19-12, S-91-15 and S-91-08 encountered dikes at the Fleetwood horizon. Therefore the Fleetwood remains wide open to the NW and SE.

A 2000 meter program is proposed to continue testing mineralization at the Fleetwood on widely spaced centers.

Fleetwood Targets

Three holes P1, P2 and P7 will test the NW extent of Fleetwood mineralization. S-91-12, the only hole to the NW, hit a dike at the Fleetwood contact and intersected massive sulphides over .10 m in the mafic footwall. The MS graded 3.03% Zn over .30 meters. Surface sampling obtained values up to 1.175% Ba, 200 meters NW of S-91-12.

Three holes, P3, P4 and P6 will test the SE strike extent of the Fleetwood zone. These holes will test the concept that a NE trending fault has dislocated the Vent zone mineralization from the Fleetwood zone. It is possible that mineralization encountered in the Fleetwood area is the distal expression of an orebody

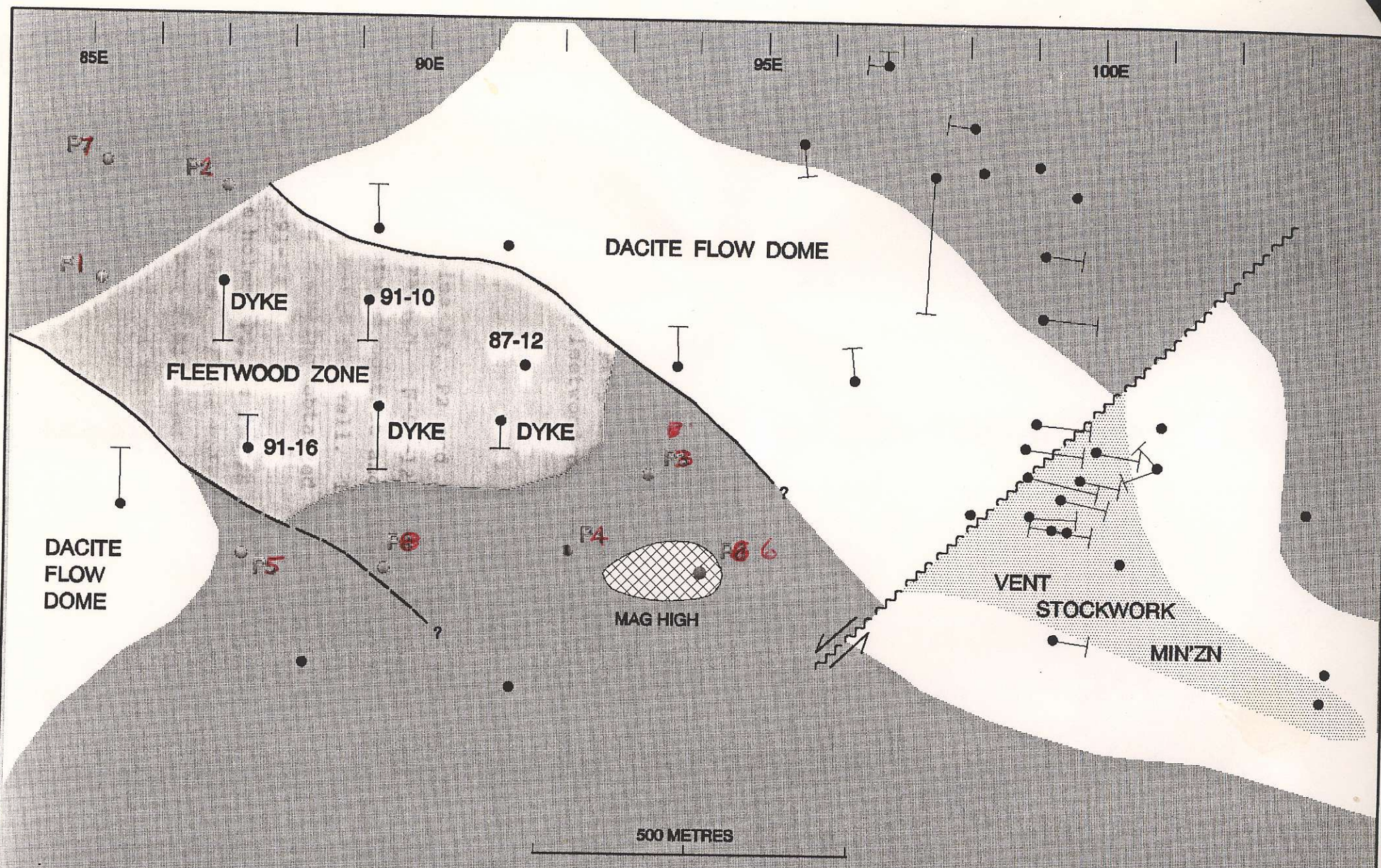
SENECA PROPERTY

located near the NE trending structure that cuts through the Vent Zone. A subtle mag anomaly was detected between L94E and L96E just south of the baseline in the target area.

Two holes P5 and P8 will test the southern extent of mineralization intersected in S-91-16 where our greatest width of footwall stockwork mineralization was encountered (31 meters averaging 2.2% Zn)

Conclusions

A total of 2000 meters of drilling has been proposed to test the Fleetwood area for an ore deposit which meets Minnova's present criteria. The first 1000 meters of drilling are compulsory follow-up holes and the second phase will test new geologic concepts.



FLEETWOOD DRILLING 1991

Table 1. Proposed Diamond Drilling Holes – Seneca Property

Hole #	Line	Stn.	Azim.	Dip	Length	Cost	Target
			(deg)	(deg)			
P1	85+25E	2+60N	230	50 -75 -85	320 m	\$19,500	Will test NW of MS/.1 m encountered in S-91-12 in the area of barium enriched surface rock samples.
P2	87+00E	4+30N	50 230	70 -73	240 m	\$14,300	Will test 200 m N of MS in S-91-12 in area of barite enriched surface rock samples
P3	93+75E	0+50S	50	-60	220 m	\$13,000	Will test 200 m SE of the 87-12 intercept on the south flank of the NE dome
P4	92+00E	1+00S	50	-70	220 m	\$14,300	Will test pyritic ashes in S-91-08 150 meters to the south
P5	87+45E 87+00E	2+00S 0+65S	50 230	-65 -75	300 m	\$19,500	Will test the extensive stockwork in S-91-16 200 meters grid south
P6	95+75E	2+00S	50	-65	200 m	\$13,000	Will test a mag anomaly near the Vent fault
P7	84+85E	3+50N	50	-70	250 m	\$16,250	Contingent on the results of P1 & P2, P7 will test the NW strike extent
P8	89+45E	2+00S	50	-70	250 m	\$16,250	Will follow-up mineralization intersected in S-10 to the south of S-15 which was diked out
				Total	2000 m	\$130,000	

FAUSA &
HOE for
120 m

*costs calculated at \$65/metre