	Assays, in percent Mn	Assays, in percent Fe
Upper manganiferous unit		
Gray-green slate, calcareous in part, slightly pyritic	0.72	4.42
Light purple slate	1.00	3.89
Red hematitic slate	12.12	11.37
Dark purple slate with green slate interbeds	2.51	6.44
Red hematitic slate	12.72	18.72
Dark purple slate with green slate interbeds	1.36	5.98
Red slate	8.76	22.17
Dark purple slate with green slate interbeds	4.63	7.61
Volcanic ash bed		
Red hematitic slate	8.00	33.85
Purple slate with green and red slate interbeds	4.76	13.35
Red banded hematite	13.28	24.74
Purple, green, and red slate	6.39	12.90
Green slate	1.40	6.32
Red, purple, and green slate	4.80	6.17
Red banded hematite	11.50	21.14
Red, purple, and green slate	7.53	12.04
Red banded hematite	12.23	20.34
Red slate	9.28	11.14
Purple slate with cream-yellow laminae	2.80	5.07
Red banded hematite	11.76	21.99
Green slate	1.28	8.41
Middle manganiferous unit		
Red banded hematite with several brick red slate interbeds	10.28	25.81
Purple and green slate	4.72	11.30
Red banded hematite	9.24	31.85
Dark red to black banded hematite	14.02	26.30
Red banded hematite	11.80	29.79
Green slate	1.32	7.16
Red banded hematite	11.95	27.57
Green slate	1.72	7.00
Lower mangniferous unit		
Red banded hematite	10.44	24.52
Purple and green slate	3.00	14.72
Red banded hematite	10.56	22.48
Red hematitic slate and green slate	5.82	20.69
Green slate	1.44	6.61
Red hematitic slate and green slate	7.08	20.00
Red banded hematite	11.12	28.23
Green slate and red hematitic slate	3.40	11.78
Green siliceous carbonate pyritic rock	3.48	11.66
Green pyritic slate	0.64	4.99

Generalized composite columnar section compiled from diamond-drill holes 12, 26, 28, 37, 38, 40, 41, and 42. Calculated weighted assays based on selected analyses from Eilertsen (1952, p. 68, 82, 83–85, 93–98)

A

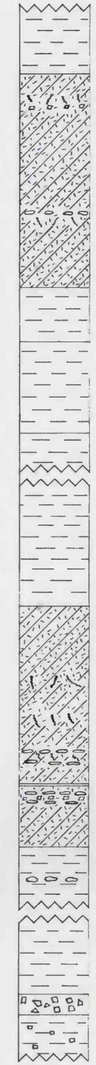
MAPLE-HOVEY DEPOSIT

	Assays, in percent Mn	Assays, in percent Fe
Hanging-wall manganiferous slate		
Purple interbeds	0.84	6.44
Green slate with occassional calcareous interbeds	0.83	6.11
Manganiferous banded hemitite interval		
Green slate interbedded with hematitic slate	1.60	6.52
Green slate	4.31	18.50
Interbedded green and hematitic slate	4.95	18.90
Possible ash bed	12.23	21.32
Banded finely laminated hematite	11.51	24.54
Quartz-feldspar veinlets with chlorite inclusions	9.24	25.42
Gray slate interbeds	12.08	26.95
Quartz-feldspar veinlets with chlorite inclusions	8.67	20.11
Banded finely laminated hematite	4.07	7.88
Gray slate interbeds with a few thin hematitic interbeds	5.28	7.08
Footwall manganiferous slate	2.15	5.31
Banded finely laminated hematite	0.96	5.87
Thin hematitic laminae		
Green slate with very thin hematitic laminae		
Green siliceous carbonate rock		
Euhedral pyrite crystals alined along bedding		
Gray-green slate		

Columnar section based on diamond-drill hole 51
Assays from Eilertsen (1952, p. 109)

B

SOUTHERN HOVEY DEPOSIT



	Assays, in percent Mn	Assays, in percent Fe
Upper carbonate lens G		
Gray slate with scattered calcareous laminae	1.07	4.81
	1.08	4.01
Quartz veining Euhedral pyrite crystals along bedding	2.20	6.74
	5.15	15.41
Magnetite-bearing, green siliceous carbonate rock unevenly interlayered with green slate	4.35	12.36
	0.80	5.94
Patchy quartz veinlets	7.68	20.86
Gray-green slate	7.03	33.86
Gray slate	0.92	7.54
	0.69	5.45
	1.35	7.38
Lower carbonate lens H		
Gray slate with scattered calcareous laminae	0.60	6.97
	0.96	6.48
	1.55	7.45
	7.25	15.39
	9.73	24.30
Magnetite-bearing green siliceous carbonate rock unevenly interlayered with green slate	9.35	23.33
Quartz-calcite veinlets	9.87	22.11
	9.72	21.55
Quartz-calcite veinlets	8.48	20.25
	6.04	20.57
Pads (hematitic) and quartz veinlets	15.87	17.01
	6.00	20.09
Purple slate	5.20	12.96
Pods (calcareous and noncalcareous) and pyrite laminae	8.60	15.71
	2.71	9.96
Possible stretched limestone pebbles near middle of the section	0.95	7.94
	0.44	5.51
Gray-green slate with calcareous laminae and pods. Thin black laminae abundant		
Gray-blue limestone breccia; crinoid stem fragments		
Gray-blue calcareous pyritic slate		

Columnar section of the upper carbonate lens G based on trench 64; lower carbonate lens H, based on diamond-drill hole 52. Assays from Eilertsen (1952, p. 44–46, 110)

C

CARBONATE LENSES G AND H IN TRENCHES 63, 64, AND 65

EXPLANATION

- Rhodonite-bearing veinlets
- Rhodonite-free veinlets
- Pyrite
- Pods

FEET: 0, 20, 40, 60, 80

COLUMNAR SECTIONS OF THE MAPLE-HOVEY AND SOUTHERN HOVEY DEPOSITS, AND THE LENTICULAR SILICEOUS CARBONATE DEPOSITS G AND H ON HOVEY MOUNTAIN

606918 O - 62 (In envelope)