



**Giant Mine Exploration Assistance Program**  
**First Quarter Report**  
**Period ending December 31<sup>st</sup>, 1998**

**Timothy W. Canam P. Geol**  
**Chief Mine Geologist**  
**Giant Mine**

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**YELLOWKNIFE**

## **Introduction**

The exploration programs were initiated with the approval of the funding during the third week of October. Due to the late start, all three programs were initiated, but the priority remains with the 1500 Level and the 3-70 Exploration programs. All programs were development drifting only, diamond drilling is not expected to begin until the third quarter of this program. The first quarter of this agreement begins October 1, 1998 through December 31, 1998.

## **First Quarter Results**

The lineal advance from the three development headings was 806 feet vs. the budget of 880 feet or 91% of budget. Expenditures to the end of the first quarter were \$282,250.35 vs. the budget of \$400,600 or 70% of budget. When considering the late start, the programs have advanced well.

### 1500 Level Exploration

There was only 8 feet of advance in October, but during November and December the drift crew advanced 134.5 lineal feet each month vs the 110 feet budgeted. Two safety bays were cut during this time for a total advance of 288 feet. The advance is 90% of the budget.

Expenditures for this program have totaled \$101,713.08 vs. the budget of \$152,000, or 67% of budget.

### SuperCrest 3-70 Exploration

The 3-70 program advanced 371 feet vs. the budget of 560 feet, or 66% of the budgeted advance. This heading experienced ventilation problems that limited the ability to move the broken muck from the heading. Also, additional development work was required at the end of the cross cut at the start of the north and south drifts. This additional development consisted of slashing the back for additional height in order to load the waste muck into trucks for disposal. While this development was taking place there was no lineal advance.

Expenditures for this program have totaled \$125,919.83 vs. the budget of \$248,600, or 51% of budget.

### SuperCrest 750 Exploration

In the budget, the 750 level program was not to start until the second year of the program. With the late start at the end of October, and the inability to accelerate either 1500 level or 3-70 during November, the 750 program was initiated. The lineal advance during the first quarter totaled 158 feet. At the end of the first quarter, the program has been

terminated as part of the GNWT funding. For the second quarter, any work on this program will be expensed to the City of Yellowknife funding as per approval granted in late December 1998.

## Cost Allocations

The costs incurred by the exploration programs include labour, consumable items, skipping and surface haulage of waste, and miners bonus.

Materials or consumable items costs have been calculated on a per foot basis. These include items such as explosives, rock bolts, air and water pipe, track supplies, and electricity for the compressors and ventilation fans underground. The Giant mine tracks these costs on a per ton basis; these costs have been calculated on a per foot basis and charged to the exploration program based on the total footage advance of the program. The exceptions were in October when startup costs were incurred, and for six electric fans for these programs. These fans were included in the budget, but at the end of the first quarter only one fan has been purchased. The remaining fans will be purchased during the second quarter.

The labour charges are as per the Collective Bargaining agreement between the Giant mine and the CAW Local 2304; this agreement will be in effect during the 2 years of this exploration assistance program.

The bonus paid is based on the rates currently in use at the Giant mine.



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W. J. Henry  
Administration Manager



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J. Stard  
Mine Manager  
Giant Mine

**Giant Mine Exploration Assistance Program  
First Quarter Report  
October 1, 1998 - December 1998**

Program	Budget Footage	Lineal Advance	Total Footage	Variance to Budget	Budget Cost	Actual Cost	Variance to Budget
3-70 Exploration	560	371	371	66%	\$248,600	\$125,919.83	51%
1500 Exploration	320	277	288	90%	\$152,000	\$101,713.08	67%
750 Level Supercrest	0	158	176	17600%	\$0	\$54,617.43	
Totals	880	806	835	95%	\$400,600	\$282,250.35	70%

**Cost per foot - Total footage**      **\$336.81** includes safety bays, diamond drill stations etc. that are not lineal advance

**Cost per lineal foot**      **\$348.93**

**Giant Mine Exploration Assistance Program**  
**First Quarter Report**  
**October 1, 1998 - December 31, 1998**

3-70 Exploration Program		October		November		December		1st Quarter	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Year One Development	Footage Cost	160	39	200	144	200	188	560	371
		\$88,600	\$10,804.73	\$80,000	\$44,815.22	\$80,000	\$70,299.89	\$248,600	\$125,919.83
Diamond Drilling	Footage Cost	\$0		\$0		\$0		\$0	\$0
Geology	Geologist & Tech. Assaying 1/25'	\$0		\$0		\$0		\$0	\$0
370 Expl. Cost								\$248,600	\$125,919.83

1500 Exploration Drift		October		November		December		1st Quarter	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Year One Development	Footage Cost	100	8	110	140	110	140	320	288
		\$64,000	\$3,519.72	\$44,000	\$50,099.01	\$44,000	\$48,094.35	\$152,000	\$101,713.08
Diamond Drilling	Footage Cost	\$0		\$0		\$0		\$0	\$0
Geology	Geologist & Tech. Assaying 1/20'	\$0		\$0		\$0		\$0	\$0
1500 Expl. Cost								\$152,000	\$101,713.08

750 Level Supercrust Exploration		October		November		December		1st Quarter	
		Budget	Actual	Budget	Actual	Budget	Actual	Budget	Actual
Year One Development	Footage Cost	\$0	0	\$0	156	\$0	20	\$0	176
		\$0	\$1,608.98	\$0	\$46,043.16	\$0	\$6,965.29	\$0	\$54,617.43
Diamond Drilling	Footage Cost	\$0		\$0		\$0		\$0	\$0
Geology	Geologist & Tech. Assaying 1/25'	\$0		\$0		\$0		\$0	\$0
750 Supercrust Expl. Cost								\$0	\$54,617.43
Total for Year 1								\$400,600	\$282,250.35

Year One

October

Asset	Account	Reference	Description	Cost
68	7135	0000	370 SC U/G Development/Exploration	
68	7135	0001	Drilling Labour	\$352.17
68	7135	0002	Drilling Material	\$1,223.00
68	7135	0003	Blasting Labour	\$117.60
68	7135	0004	Blasting Material	\$1,160.00
68	7135	0005	Mucking Labour	\$579.36
68	7135	0006	Mucking Material	\$1,158.00
68	7135	0007	Ground Control Labour	
68	7135	0008	Ground Control Material	\$150.00
68	7135	0009	Air Water piping Labour	
68	7135	0010	Air Water piping Material	\$407.63
68	7135	0011	Ventilation Labour	
68	7135	0012	Ventilation Materials	\$455.43
68	7135	0013	Track Supplies	
68	7135	0014	Bonus	\$207.00
68	7135	0015	Maintenance	
68	7135	0016	Indirects	\$3,510.78
68	7135	0020	Accrual	
			Power	\$1,031.55
			NWL	\$452.21
				<hr/>
				\$10,804.73

Category	Item	Units	Cost/unit	Total cost	Cost per foot	39	feet advance
<b>Services</b>	Pipe 2"	62	\$23.90	\$1,481.80			
	Pipe 4"	62	\$43.80	\$2,715.60			
	Clamps 2"	110	\$5.29	\$581.90			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	16	\$33.44	\$535.04			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	28	\$24.60	\$688.80			
	Reducer 4 to 2"	2	\$14.98	\$29.96			
	Nipples	14	\$0.70	\$9.80			
	J Bolts	124	\$3.30	\$409.20			
	Chain	1240	\$0.63	\$781.20			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				<u>\$9,986.92</u>		\$407.63	
<b>Ventilation</b>	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	23	\$120.00	\$2,760.00			
	Couplings	25	\$20.74	\$518.50			
	WYE	1	\$172.00	\$172.00			
	Fan Adapter	2	\$100.00	\$200.00			
				<u>\$3,930.50</u>		\$455.43	
<b>Explosives</b>						\$1,160.00	
<b>Ground Support</b>						\$150.00	
<b>Bits and Steel</b>						\$1,223.00	
<b>Maintenance</b>							
	Scoops						
	Trucks						
	Jumbos					\$1,158.00	
<b>Wages</b>						\$1,049.13	
<b>NWL</b>						\$452.21	
<b>Bonus</b>						\$207.00	
<b>Power</b>						\$1,031.55	
<b>Indirects</b>						\$3,510.78	
						<u>\$10,804.73</u>	

Asset	Account	Reference	Description	Cost
68	7135	0000	<b>370 SC U/G Development/Exploration</b>	
68	7135	0001	Drilling Labour	\$2,492.84
68	7135	0002	Drilling Material	\$1,463.04
68	7135	0003	Blasting Labour	\$687.68
68	7135	0004	Blasting Material	\$3,340.80
68	7135	0005	Mucking Labour	\$2,342.41
68	7135	0006	Mucking Material	
68	7135	0007	Ground Control Labour	\$429.80
68	7135	0008	Ground Control Material	\$432.00
68	7135	0009	Air Water piping Labour	\$343.84
68	7135	0010	Air Water piping Material	\$1,173.97
68	7135	0011	Ventilation Labour	\$42.98
68	7135	0012	Ventilation Materials	\$462.03
68	7135	0013	Track Supplies	
68	7135	0014	Bonus	\$4,541.45
68	7135	0015	Maintenance	\$5,394.24
68	7135	0016	Indirects	\$12,962.88
68	7135	0020	Accrual	
			Power	\$3,808.80
			NWL	\$4,896.45
				<hr/> \$44,815.22



Category	Item	Units	Cost/unit	Total cost	Cost per foot	144	feet advance
<b>Services</b>	Pipe 2"	62	\$23.90	\$1,481.80			
	Pipe 4"	62	\$43.80	\$2,715.60			
	Clamps 2"	110	\$5.29	\$581.90			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	16	\$33.44	\$535.04			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	28	\$24.60	\$688.80			
	Reducer 4 to 2"	2	\$14.98	\$29.96			
	Nipples	14	\$0.70	\$9.80			
	J Bolts	124	\$3.30	\$409.20			
	Chain	1240	\$0.63	\$781.20			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,986.92	\$8.15	\$1,173.97	
<b>Ventilation</b>	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	23	\$120.00	\$2,760.00			
	Couplings	25	\$20.74	\$518.50			
	WYE	1	\$172.00	\$172.00			
	Fan Adapter	2	\$100.00	\$200.00			
				\$3,930.50	\$3.21	\$462.03	
<b>Explosives</b>					\$23.20	\$3,340.80	
<b>Ground Support</b>					\$3.00	\$432.00	
<b>Bits and Steel</b>					\$10.16	\$1,463.04	
<b>Maintenance</b>	Scoops				\$14.32	\$2,062.08	
	Trucks				\$8.84	\$1,272.96	
	Jumbos				\$14.30	\$2,059.20	\$5,394.24
<b>Wages</b>						\$6,339.55	
<b>NWL</b>					54.17%	\$4,896.45	
<b>Bonus</b>						\$4,541.45	
<b>Power</b>					\$26.45	\$3,808.80	
<b>Indirects</b>					\$90.02	\$12,962.88	
<b>Total Cost</b>						\$44,815.22	
<b>Total Cost per foot</b>							\$311.22

Asset	Account	Reference	Description	Cost
68	7135	0000	<b>370 SC U/G Development/Exploration</b>	
68	7135	0001	Drilling Labour	\$2,147.53
68	7135	0002	Drilling Material	\$1,910.08
68	7135	0003	Blasting Labour	\$637.61
68	7135	0004	Blasting Material	\$4,361.60
68	7135	0005	Mucking Labour	\$3,957.57
68	7135	0006	Mucking Material	
68	7135	0007	Ground Control Labour	\$971.06
68	7135	0008	Ground Control Material	\$564.00
68	7135	0009	Air Water piping Labour	\$206.16
68	7135	0010	Air Water piping Material	\$1,532.69
68	7135	0011	Ventilation Labour	\$44.48
68	7135	0012	Ventilation Materials	\$5,832.97
68	7135	0013	Track Supplies	
68	7135	0014	Bonus	\$10,896.50
68	7135	0015	Maintenance	\$7,042.48
68	7135	0016	Indirects	\$16,923.76
68	7135	0020	Accrual	
			Power	\$4,972.60
			NWL	\$8,298.80
			Total Cost	<u>\$70,299.89</u>

Category	Item	Units	Cost/unit	Total cost	Cost per foot	188	feet advance
<b>Services</b>	Pipe 2"	62	\$23.90	\$1,481.80			
	Pipe 4"	62	\$43.80	\$2,715.60			
	Clamps 2"	110	\$5.29	\$581.90			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	16	\$33.44	\$535.04			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	28	\$24.60	\$688.80			
	Reducer 4 to 2"	2	\$14.98	\$29.96			
	Nipples	14	\$0.70	\$9.80			
	J Bolts	124	\$3.30	\$409.20			
	Chain	1240	\$0.63	\$781.20			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,986.92	\$8.15	\$1,532.69	
<b>Ventilation</b>	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	23	\$120.00	\$2,760.00			
	Couplings	25	\$20.74	\$518.50			
	WYE	1	\$172.00	\$172.00			
	Fan Adapter	2	\$100.00	\$200.00			
				\$3,930.50	\$3.21	\$5,832.97	
<b>Explosives</b>					\$23.20	\$4,361.60	
<b>Ground Support</b>					\$3.00	\$564.00	
<b>Bits and Steel</b>					\$10.16	\$1,910.08	
<b>Maintenance</b>	Scoops				\$14.32	\$2,692.16	
	Trucks				\$8.84	\$1,661.92	
	Jumbos				\$14.30	\$2,688.40	\$7,042.48
<b>Wages</b>						\$7,964.41	
<b>NWL</b>					45.00%	\$8,298.80	
<b>Bonus</b>						\$10,896.50	
<b>Power</b>					\$26.45	\$4,972.60	
<b>Indirects</b>					\$90.02	\$16,923.76	
						\$70,299.89	
<b>Total Cost per foot</b>					<b>\$373.94</b>		

Asset	Account	Reference	Description	Cost
68	7136	0000	750 SC U/G Development/Exploration	
68	7136	0001	Drilling Labour	
68	7136	0002	Drilling Material	
68	7136	0003	Blasting Labour	\$107.45
68	7136	0004	Blasting Material	
68	7136	0005	Mucking Labour	
68	7136	0006	Mucking Material	
68	7136	0007	Ground Control Labour	
68	7136	0008	Ground Control Material	\$150.00
68	7136	0009	Air Water piping Labour	\$86.71
68	7136	0010	Air Water piping Material	\$407.63
68	7136	0011	Ventilation Labour	
68	7136	0012	Ventilation Materials	\$455.43
68	7136	0013	Track Supplies	
68	7136	0014	Bonus	\$244.02
68	7136	0015	Maintenance	
68	7136	0016	Indirects	
68	7136	0020	Accrual	
			Power	
			NWL	\$157.74
				<hr/> \$1,608.98

Category	Item	Units	Cost/unit	Total cost	Cost per foot	advance
<b>Services</b>	Pipe 2"	62	\$23.90	\$1,481.80		
	Pipe 4"	62	\$43.80	\$2,715.60		
	Clamps 2"	110	\$5.29	\$581.90		
	Clamps 4"	82	\$10.58	\$867.56		
	Tees 2"	14	\$13.31	\$186.34		
	Tees 4"	16	\$33.44	\$535.04		
	Valves 2"	16	\$55.63	\$890.08		
	Valves 4"	3	\$146.88	\$440.64		
	Header 2 to 1"	28	\$24.60	\$688.80		
	Reducer 4 to 2"	2	\$14.98	\$29.96		
	Nipples	14	\$0.70	\$9.80		
	J Bolts	124	\$3.30	\$409.20		
	Chain	1240	\$0.63	\$781.20		
	CB cable	6	\$31.50	\$189.00		
	Leadwire	4	\$45.00	\$180.00		
				<u>\$9,986.92</u>		\$407.63
<b>Ventilation</b>	Messenger Cable	2	\$140.00	\$280.00		
	Ventilation tubing	23	\$120.00	\$2,760.00		
	Couplings	25	\$20.74	\$518.50		
	WYE	1	\$172.00	\$172.00		
	Fan Adapter	2	\$100.00	\$200.00		
				<u>\$3,930.50</u>		\$455.43
<b>Explosives</b>					<b>\$23.20</b>	\$0.00
<b>Ground Support</b>					<b>\$3.00</b>	\$150.00
<b>Bits and Steel</b>					<b>\$10.16</b>	\$0.00
<b>Maintenance</b>	Scoops				<b>\$14.32</b>	\$0.00
	Trucks				<b>\$8.84</b>	\$0.00
	Jumbos				<b>\$14.30</b>	\$0.00
<b>Wages</b>						\$194.16
<b>NWL</b>					<b>36.00%</b>	\$157.74
<b>Bonus</b>						\$244.02
<b>Power</b>					<b>\$26.45</b>	\$0.00
<b>Indirects</b>					<b>\$90.02</b>	\$0.00
<b>Total Cost</b>						<b>\$1,608.98</b>

Asset	Account	Reference	Description	Cost
68	7136	0000	<b>750 SC U/G Development/Exploration</b>	
68	7136	0001	Drilling Labour	\$3,137.54
68	7136	0002	Drilling Material	\$1,584.96
68	7136	0003	Blasting Labour	\$709.17
68	7136	0004	Blasting Material	\$3,619.20
68	7136	0005	Mucking Labour	\$1,074.50
68	7136	0006	Mucking Material	
68	7136	0007	Ground Control Labour	\$322.35
68	7136	0008	Ground Control Material	\$468.00
68	7136	0009	Air Water piping Labour	\$389.58
68	7136	0010	Air Water piping Material	\$1,271.80
68	7136	0011	Ventilation Labour	\$107.45
68	7136	0012	Ventilation Materials	\$500.54
68	7136	0013	Track Supplies	
68	7136	0014	Bonus	\$4,318.43
68	7136	0015	Maintenance	\$5,843.76
68	7136	0016	Indirects	\$14,043.12
68	7136	0020	Accrual	
			Power	\$4,126.20
			NWL	\$4,526.56
				<hr/> \$46,043.16

Category	Item	Units	Cost/unit	Total cost	Cost per foot	156	feet advance
Services	Pipe 2"	62	\$23.90	\$1,481.80			
	Pipe 4"	62	\$43.80	\$2,715.60			
	Clamps 2"	110	\$5.29	\$581.90			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	16	\$33.44	\$535.04			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	28	\$24.60	\$688.80			
	Reducer 4 to 2"	2	\$14.98	\$29.96			
	Nipples	14	\$0.70	\$9.80			
	J Bolts	124	\$3.30	\$409.20			
	Chain	1240	\$0.63	\$781.20			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,986.92	\$8.15	\$1,271.80	
Ventilation	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	23	\$120.00	\$2,760.00			
	Couplings	25	\$20.74	\$518.50			
	WYE	1	\$172.00	\$172.00			
	Fan Adapter	2	\$100.00	\$200.00			
				\$3,930.50	\$3.21	\$500.54	
Explosives					\$23.20	\$3,619.20	
Ground Support					\$3.00	\$468.00	
Bits and Steel					\$10.16	\$1,584.96	
Maintenance	Scoops				\$14.32	\$2,233.92	
	Trucks				\$8.84	\$1,379.04	
	Jumbos				\$14.30	\$2,230.80	\$5,843.76
Wages						\$5,740.59	
NWL					45.00%	\$4,526.56	
Bonus						\$4,318.43	
Power					\$26.45	\$4,126.20	
Indirects					\$90.02	\$14,043.12	
Total Cost						\$46,043.16	
Total Cost per foot					\$295.15		

December

Asset	Account	Reference	Description	Cost
68	7136	0000	<b>750 SC U/G Development/Exploration</b>	
68	7136	0001	Drilling Labour	\$673.95
68	7136	0002	Drilling Material	\$203.20
68	7136	0003	Blasting Labour	\$210.91
68	7136	0004	Blasting Material	\$464.00
68	7136	0005	Mucking Labour	\$176.42
68	7136	0006	Mucking Material	
68	7136	0007	Ground Control Labour	\$109.70
68	7136	0008	Ground Control Material	\$60.00
68	7136	0009	Air Water piping Labour	\$44.48
68	7136	0010	Air Water piping Material	\$163.05
68	7136	0011	Ventilation Labour	\$0.00
68	7136	0012	Ventilation Materials	\$64.17
68	7136	0013	Track Supplies	
68	7136	0014	Bonus	\$820.84
68	7136	0015	Maintenance	\$749.20
68	7136	0016	Indirects	\$1,800.40
68	7136	0020	Accrual	
			Power	\$529.00
			NWL	\$895.97
				<hr/>
				\$6,965.29



Category	Item	Units	Cost/unit	Total cost	Cost per foot	20	feet advance
Services	Pipe 2"	62	\$23.90	\$1,481.80			
	Pipe 4"	62	\$43.80	\$2,715.60			
	Clamps 2"	110	\$5.29	\$581.90			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	16	\$33.44	\$535.04			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	28	\$24.60	\$688.80			
	Reducer 4 to 2"	2	\$14.98	\$29.96			
	Nipples	14	\$0.70	\$9.80			
	J Bolts	124	\$3.30	\$409.20			
	Chain	1240	\$0.63	\$781.20			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,986.92	\$8.15	\$163.05	
Ventilation	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	23	\$120.00	\$2,760.00			
	Couplings	25	\$20.74	\$518.50			
	WYE	1	\$172.00	\$172.00			
	Fan Adapter	2	\$100.00	\$200.00			
				\$3,930.50	\$3.21	\$64.17	
Explosives					\$23.20	\$464.00	
Ground Support					\$3.00	\$60.00	
Bits and Steel					\$10.16	\$203.20	
Maintenance	Scoops				\$14.32	\$286.40	
	Trucks				\$8.84	\$176.80	
	Jumbos				\$14.30	\$286.00	\$749.20
Wages						\$1,215.46	
NWL					45.00%	\$895.97	
Bonus						\$820.84	
Power					\$26.45	\$529.00	
Indirects					\$90.02	\$1,800.40	
Total Cost						\$6,965.29	

October

Asset	Account	Reference	Description	Cost
68	7137	0000	<b>1500 U/G Development/Exploration</b>	
68	7137	0001	Drilling Labour	\$128.94
68	7137	0002	Drilling Material	\$40.24
68	7137	0003	Blasting Labour	\$85.96
68	7137	0004	Blasting Material	\$205.44
68	7137	0005	Mucking Labour	\$128.94
68	7137	0006	Mucking Material	\$62.72
68	7137	0007	Ground Control Labour	\$0.00
68	7137	0008	Ground Control Material	\$22.72
68	7137	0009	Air Water piping Labour	\$0.00
68	7137	0010	Air Water piping Material	\$63.06
68	7137	0011	Ventilation Labour	\$257.88
68	7137	0012	Ventilation Materials	\$27.96
68	7137	0013	Track Supplies	\$211.37
68	7137	0014	Bonus	\$948.02
68	7137	0015	Maintenance	
68	7137	0016	Indirects	\$394.40
68	7137	0020	Accrual	
			Power	\$211.60
			Skipping	\$109.84
			Surface Haulage	\$62.72
			NWL	\$557.91
				<hr/>
				\$3,519.72

Category	Item	Units	Cost/unit	Total cost	Cost per foot	Total cost for advance	
						8	feet
<b>Services</b>	Pipe 2"	63	\$23.90	\$1,505.70			
	Pipe 4"	63	\$43.80	\$2,759.40			
	Clamps 2"	106	\$5.29	\$560.74			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	14	\$33.44	\$468.16			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	15	\$24.60	\$369.00			
	Reducer 4 to 2"	0	\$14.98	\$0.00			
	Nipples	15	\$0.70	\$10.50			
	J Bolts	128	\$3.30	\$422.40			
	Chain	1280	\$0.63	\$806.40			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,655.92	\$7.88		\$63.06
<b>Ventilation</b>	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	26	\$120.00	\$3,120.00			
	Couplings	28	\$20.74	\$580.72			
	WYE	0	\$172.00	\$0.00			
	Fan Adapter	3	\$100.00	\$300.00			
				\$4,280.72	\$3.49		\$27.96
<b>Explosives</b>					\$25.68		\$205.44
<b>Ground Support</b>					\$2.84		\$22.72
<b>Bits and Steel</b>					\$5.03		\$40.24
<b>Track</b>	30lb rail	134	\$100.00	\$13,400.00			
	switch	1	\$300.00	\$300.00			
	ties	638	\$10.00	\$6,380.00			
	tie plate	1335	\$2.69	\$3,591.15			
	joint bars	536	\$12.75	\$6,834.00			
	bolts	1072	\$1.69	\$1,811.68			
	lock washer	328	\$0.43	\$141.04			
	spikes	10	\$123.00	\$1,230.00			
				\$33,687.87	\$26.42		\$211.37
<b>Skipping</b>					\$13.73		\$109.84
<b>Surface Haulage</b>					\$7.84		\$62.72
<b>Mucking Materials</b>							\$62.72
<b>Wages</b>							\$601.72
<b>NWL</b>							\$557.91
<b>Bonus</b>							\$948.02
<b>Power</b>					\$26.45		\$211.60
<b>Indirects</b>					\$49.30		\$394.40
					\$168.67		\$3,519.72
<b>Total Cost per foot</b>							<b>\$439.96</b>

Asset	Account	Reference	Description	Cost
68	7137	0000	<b>1500 U/G Development/Exploration</b>	
68	7137	0001	Drilling Labour	\$2,621.78
68	7137	0002	Drilling Material	\$704.20
68	7137	0003	Blasting Labour	\$1,450.58
68	7137	0004	Blasting Material	\$3,605.95
68	7137	0005	Mucking Labour	\$2,621.26
68	7137	0006	Mucking Material	
68	7137	0007	Ground Control Labour	\$343.91
68	7137	0008	Ground Control Material	\$397.60
68	7137	0009	Air Water piping Labour	\$91.35
68	7137	0010	Air Water piping Material	\$1,103.53
68	7137	0011	Ventilation Labour	\$42.99
68	7137	0012	Ventilation Materials	\$489.23
68	7137	0013	Track Supplies	\$3,699.06
68	7137	0014	Bonus	\$11,086.50
68	7137	0015	Maintenance	
68	7137	0016	Indirects	\$6,902.00
68	7137	0020	Accrual	
			Power	\$3,703.00
			Skipping	\$1,922.20
			Surface Haulage	\$1,097.60
			NWL	\$8,216.27
				<hr/> \$50,099.01

Category	Item	Units	Cost/unit	Total cost	Cost per foot	Total cost for advance	
						140	feet
Services	Pipe 2"	63	\$23.90	\$1,505.70			
	Pipe 4"	63	\$43.80	\$2,759.40			
	Clamps 2"	106	\$5.29	\$560.74			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	14	\$33.44	\$468.16			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	15	\$24.60	\$369.00			
	Reducer 4 to 2"	0	\$14.98	\$0.00			
	Nipples	15	\$0.70	\$10.50			
	J Bolts	128	\$3.30	\$422.40			
	Chain	1280	\$0.63	\$806.40			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,655.92	\$7.88	\$1,103.53	
Ventilation	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	26	\$120.00	\$3,120.00			
	Couplings	28	\$20.74	\$580.72			
	WYE	0	\$172.00	\$0.00			
	Fan Adapter	3	\$100.00	\$300.00			
				\$4,280.72	\$3.49	\$489.23	
Explosives					\$25.68	\$3,605.95	
Ground Support					\$2.84	\$397.60	
Bits and Steel					\$5.03	\$704.20	
Track	30lb rail	134	\$100.00	\$13,400.00			
	switch	1	\$300.00	\$300.00			
	ties	638	\$10.00	\$6,380.00			
	tie plate	1335	\$2.69	\$3,591.15			
	joint bars	536	\$12.75	\$6,834.00			
	bolts	1072	\$1.69	\$1,811.68			
	lock washer	328	\$0.43	\$141.04			
	spikes	10	\$123.00	\$1,230.00			
				\$33,687.87	\$26.42	\$3,699.06	
Skipping					\$13.73	\$1,922.20	
Surface Haulage					\$7.84	\$1,097.60	
Wages						\$7,171.87	
NWL						\$8,216.27	
Bonus						\$11,086.50	
Power					\$26.45	\$3,703.00	
Indirects					\$49.30	\$6,902.00	
					\$168.67	\$50,099.01	
Total Cost per foot					\$357.85		

December

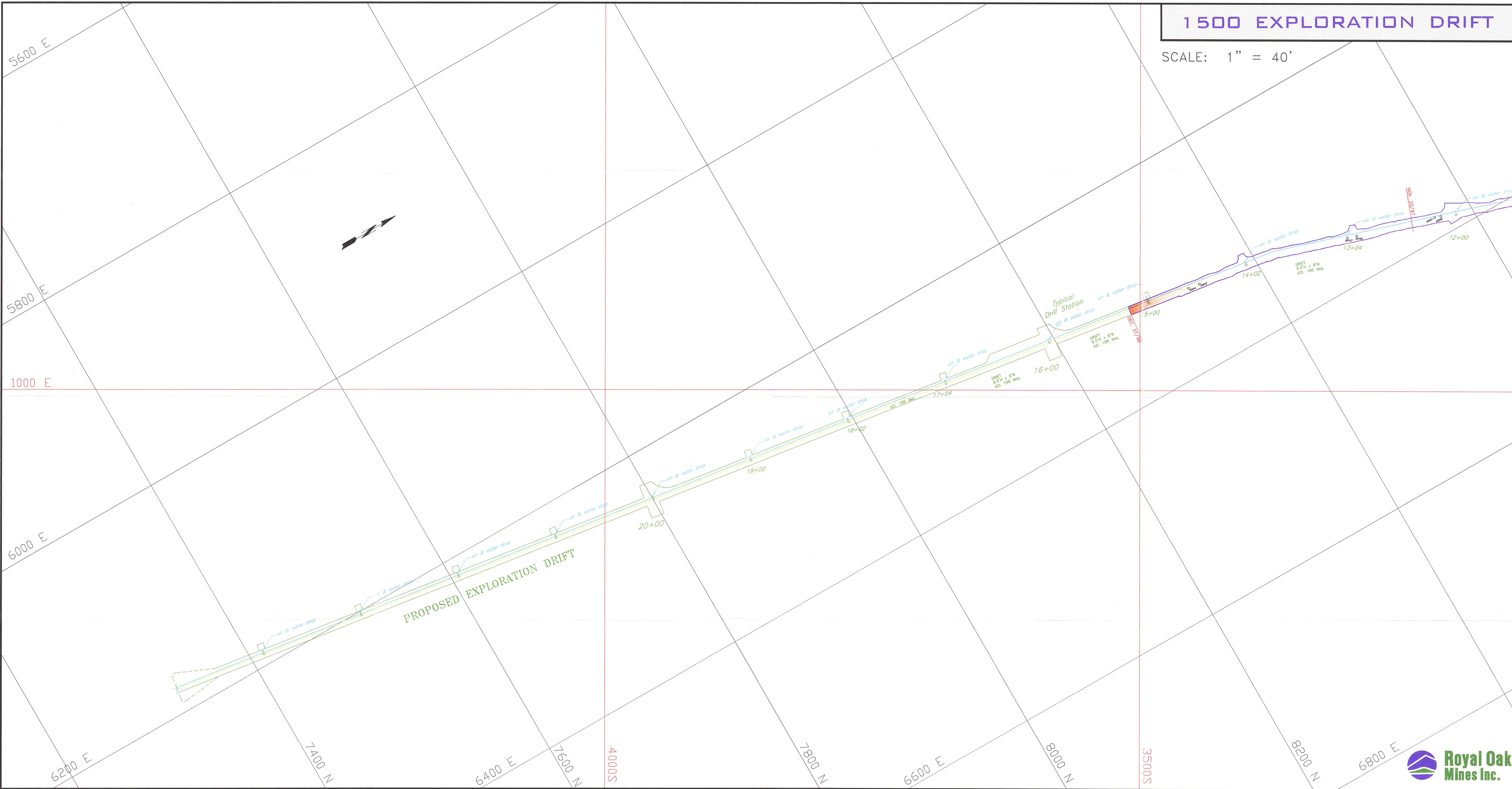
Asset	Account	Reference	Description	Cost
68	7137	0000	1500 U/G Development/Exploration	
68	7137	0001	Drilling Labour	\$1,891.87
68	7137	0002	Drilling Material	\$704.20
68	7137	0003	Blasting Labour	\$1,278.70
68	7137	0004	Blasting Material	\$3,595.20
68	7137	0005	Mucking Labour	\$2,385.41
68	7137	0006	Mucking Material	
68	7137	0007	Ground Control Labour	\$526.53
68	7137	0008	Ground Control Material	\$397.60
68	7137	0009	Air Water piping Labour	\$21.50
68	7137	0010	Air Water piping Material	\$1,103.53
68	7137	0011	Ventilation Labour	\$0.00
68	7137	0012	Ventilation Materials	\$489.23
68	7137	0013	Track Supplies	\$3,699.06
68	7137	0014	Bonus	\$10,896.50
68	7137	0015	Maintenance	
68	7137	0016	Indirects	\$6,902.00
68	7137	0020	Accrual	
			Power	\$3,703.00
			Skipping	\$1,922.20
			Surface Haulage	\$1,097.60
			NWL	\$7,480.22
			<b>Total Cost</b>	<b>\$48,094.35</b>

Category	Item	Units	Cost/unit	Total cost	Cost per foot	Total cost for advance	
						140	feet
Services	Pipe 2"	63	\$23.90	\$1,505.70			
	Pipe 4"	63	\$43.80	\$2,759.40			
	Clamps 2"	106	\$5.29	\$560.74			
	Clamps 4"	82	\$10.58	\$867.56			
	Tees 2"	14	\$13.31	\$186.34			
	Tees 4"	14	\$33.44	\$468.16			
	Valves 2"	16	\$55.63	\$890.08			
	Valves 4"	3	\$146.88	\$440.64			
	Header 2 to 1"	15	\$24.60	\$369.00			
	Reducer 4 to 2"	0	\$14.98	\$0.00			
	Nipples	15	\$0.70	\$10.50			
	J Bolts	128	\$3.30	\$422.40			
	Chain	1280	\$0.63	\$806.40			
	CB cable	6	\$31.50	\$189.00			
	Leadwire	4	\$45.00	\$180.00			
				\$9,655.92	\$7.88	\$1,103.53	
Ventilation	Messenger Cable	2	\$140.00	\$280.00			
	Ventilation tubing	26	\$120.00	\$3,120.00			
	Couplings	28	\$20.74	\$580.72			
	WYE	0	\$172.00	\$0.00			
	Fan Adapter	3	\$100.00	\$300.00			
				\$4,280.72	\$3.49	\$489.23	
Explosives					\$25.68	\$3,595.20	
Ground Support					\$2.84	\$397.60	
Bits and Steel					\$5.03	\$704.20	
Track	30lb rail	134	\$100.00	\$13,400.00			
	switch	1	\$300.00	\$300.00			
	ties	638	\$10.00	\$6,380.00			
	tie plate	1335	\$2.69	\$3,591.15			
	joint bars	536	\$12.75	\$6,834.00			
	bolts	1072	\$1.69	\$1,811.68			
	lock washer	328	\$0.43	\$141.04			
	spikes	10	\$123.00	\$1,230.00			
				\$33,687.87	\$26.42	\$3,699.06	
Skipping					\$13.73	\$1,922.20	
Surface Haulage					\$7.84	\$1,097.60	
Wages						\$6,104.01	
NWL						\$7,480.22	
Bonus						\$10,896.50	
Power					\$26.45	\$3,703.00	
Indirects					\$49.30	\$6,902.00	
					\$168.67	\$48,094.35	
Total Cost per foot						\$343.53	



# 1500 EXPLORATION DRIFT

SCALE: 1" = 40'

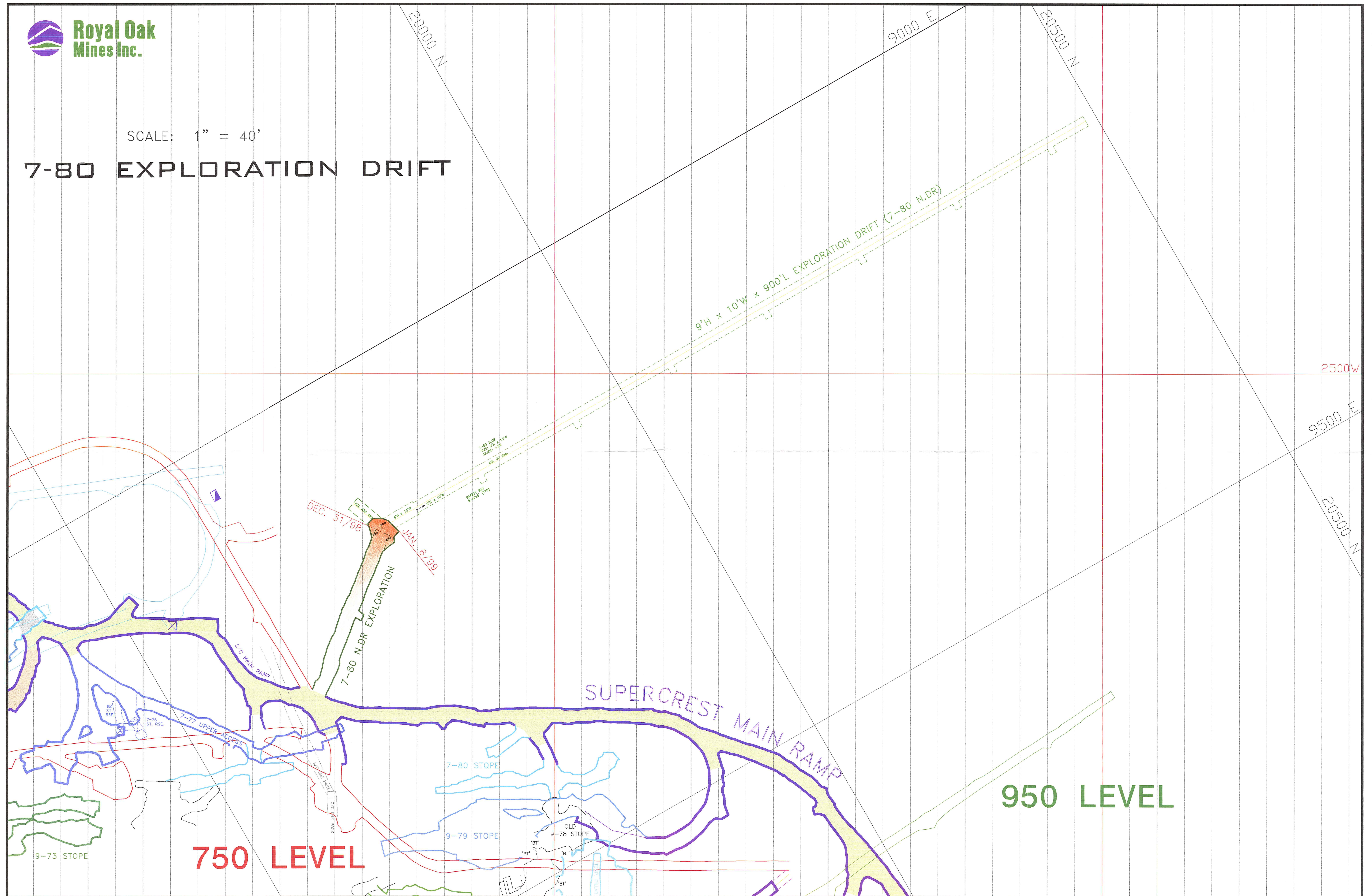






SCALE: 1" = 40'

## 7-80 EXPLORATION DRIFT







6600N

6800N

7000N

7200N

7400N

7600N

2800W

2600W

SCALE:  $1'' = 40'$

# 3-70 EXPLORATION DRIFT

EXPLORATION DRIFT

### 3-70 EXPLORATION DRIFT

OCT. 31.98

3-72  
PANELS

3-76  
PANELS

3-76N #1

#1 SILL

#2 SILL

## EXPLORATION DRIFT

DEC. 31/98

DEC. 31/98

JAN. 5/99

SAFETY BAY (TYP)  
6'x6'x6' - 3

3-70 EXPL. DR. S.  
AZIMUTH: 202°-00'  
SIZE: 9'H x 10'W  
GRADE: <- +2%

3-70 EXPL. DR. N.  
AZIMUTH: 30°-00'  
SIZE: 9'H x 10'W  
GRADE: +2% ->

PILLA

3-74#1  
CHT.