830593

DUPONT OF CANADA
BAKER MINE

PROPOSED UNDERGROUND DIAMOND DRILLING PROGRAM

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J. PAXTON
Mine Geologist, Baker Mine

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Maps

1. SUMMARY

It is proposed to drill a series of horizontal diamond drill holes in three phases. Phase I will consist of 2655 feet in nine holes drilled from the south end of the 54 SOUTH DRIFT. Hopefully this will provide detailed information on the south end of the "A" vein. Phase II will consist of 1600 feet in two holes to check the area to the west covered by the 1982 surface exploration program. Phase III will be contingent on the results of Phase I and would require extension of the drift for 150 feet to achieve a better angle of intersection to the vein trend and the drilling of an additional 3600 feet.

	Estimated Time	Estimated Cost
Phase I	60 days	$59,000
Phase II	33 days	34,000
Phase III	95 days	114,000
	188 days	$207,000

J. Paxton P. Eng.
Mine Geologist
Baker Mine

2. INTRODUCTION

The following is a modified version of the 1982 DRILLING PROPOSAL written Nov. 15 1981.

The type of equipment envisaged for the job is a Boyles JVA underground drill equipped with rod puller and AW rods. This may prove to be inadequate and we should be ready to go to a bigger drill with wireline and mud drilling capabilities

3. OBJECTIVES

The objectives of the proposal are as follows, in order of priority:

1. The zone between 47+50n and 4600n which includes blocks Nº 1 & 2 of the ore reserve model used by M. D. Kierans.

2. To explore the major offset of the vein which appears to occur at about 4800n on surface.

3. To test the area below the vein located on surface during the 1982

Summer exploration program.

The only location presently available within reasonable distance of the target is the end of the present S4 South Drift. This location has the disadvantage that since the drift was driven to follow the vein we will have to drill almost parallel to the trend of the vein. This disadvantage can be partially overcome by drilling numerous closely spaced holes. If we get any encouragement from this phase of the program we can then afford to extend the drift to 4650n, 500e approximately 150 ft to the west of the vein and drill a fan of holes eastward to cut the vein trend at a better angle.

The proposal thus consists of three phases:

Phase I - From the end of the present S4E drift to drill a fan of horizontal holes To check all known projections of the vein from the old surface drilling. Two holes (A & B) would also be drilled to the east to check a possible 250 foot offset of the south end of the vein (See surface geology map C-80-1)

Phase II - While waiting for assay results from phase I, two holes would be drilled from the end of the 54 Crosscut to intersect the downward extension of the zone of interest located by the summer surface exploration program.

Phase III - Extend the 54 South Drift for 150 feet and drill a fan of holes eastward into the vein. From this location holes could also be drilled to explore above and below the 54 level.

4. SCHEDULE

Phase I

- Clean-up, pipes, slashing, screening & rock bolting - 2 men, 6 days
- Drill 2655 feet on one shift per day = 50 feet/day - 2 men, 53 days
- Log & sample drill core - 1 geologist, 10 days
- Assay 50 samples -- 1 assayer, 2 days.

Phase I would require 60 days or two months

Phase II

- Move drill & prepare set up - 2 men, 3 days
- Drill 1600 feet @ 50ft/day - 2 men, 30 days
- Log & sample drill core - 1 geologist, 6 days
- Assay 20 samples - 1 assayer, 1 day

Phase II would require 33 days

Phase III

- Drift 150' at 8' per day - 2 men, 20 days
- Move and prepare setup - 2 men, 2 days
- Drill 12, 300 foot holes @ 50 feet per day - 2 men, 72 days
- Log & sample drill core - 1 geologist, 14 days
- Assay 75 samples - 1 assayer 3 days.

Phase III should require 95 days.

Total time phase I, II, III =
60 + 33 + 95 = 188 days = 27 weeks

5. Cost Estimate

Rates used.

Drilling - $20.00/foot
Drifting - $250.00/foot
Assaying - $20 per assay
Geologist - 150.00 per day
Site Preparation - 500.00 per day (2 men)

Costs

Phase I

Site preparation	6 × 500	= 3000
Drilling	2655 × 20	= 53100
Log & ~~Sample~~	10 × 150	= 1500
~~Assaying~~	50 × 20	= 1000
		58,600

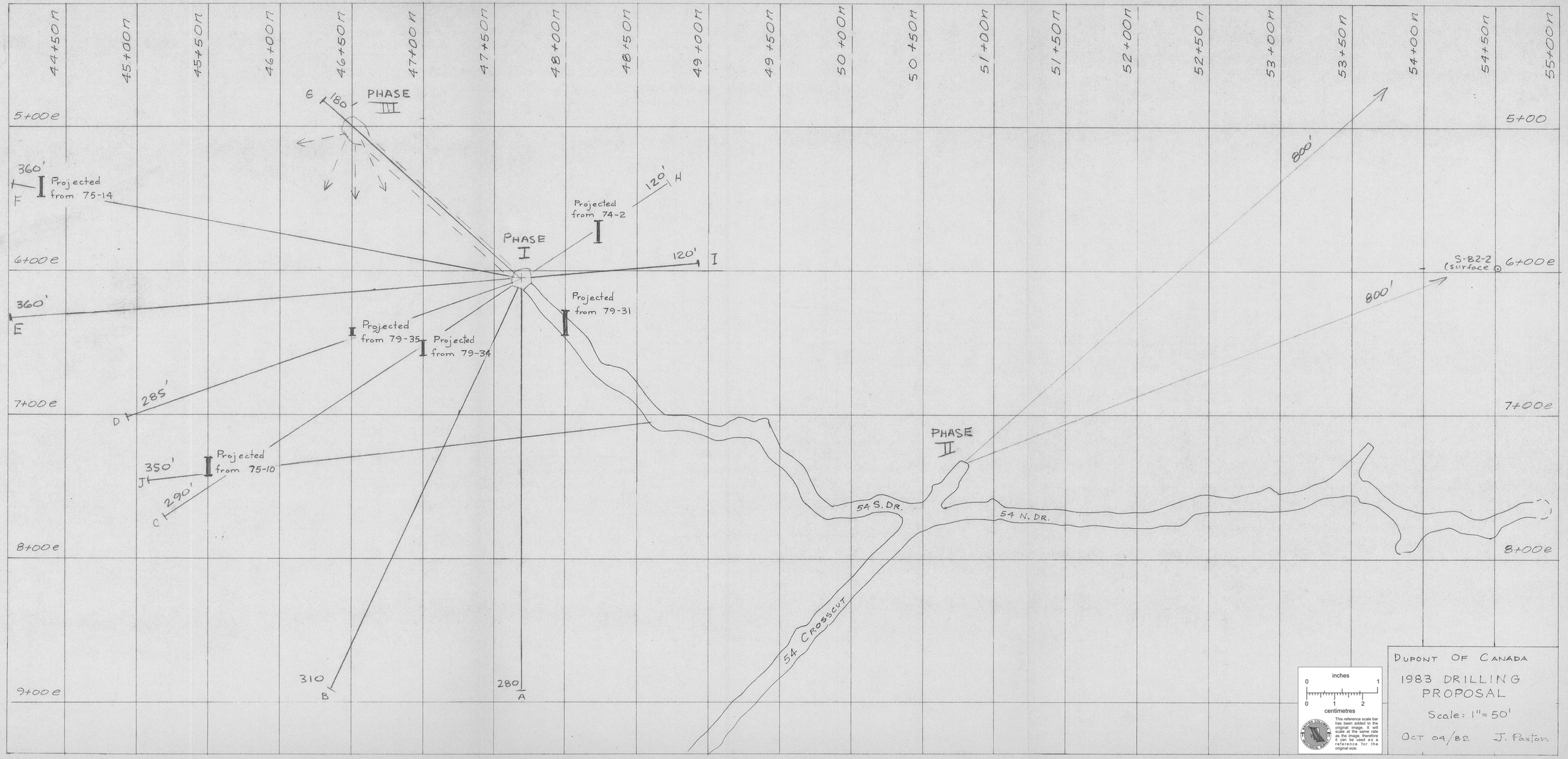
Phase II

Site preparation	2 × 500	= 1000
Drilling	1600 × 20	= 32000
Log & ~~Sample~~	6 × 150	900
~~Assaying~~	20 × 20	400
		34,300

Phase III

Drifting	150 × 250 =	37,500
Site Preparation	2 × 500 =	1,000
Drilling	12 × 300 = 3600 × 20 =	72,000
Log & Sample	14 × 150	2,100
Assaying	75 × 20	1,500
		114,100

Total Cost = 58600 + 34 300 + 114 100 = # 207000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PHASE III
PHASE I
PHASE II
E
180'
360'
F
Projected from 75-14
120'
H
Projected from 74-2
120'
I
360'
E
Projected from 79-35
Projected from 79-34
Projected from 79-31
285'
D
350'
J
Projected from 75-10
290'
C
310
B
280
A
800'
800'
S-82-2 (surface)
54 S. DR.
54 N. DR.
54 CROSSCUT
inches
centimetres
This reference scale bar has been added to the original image. It will print proportionally as the image. Therefore it can be used as a reference for the original size.
DUPONT OF CANADA
1983 DRILLING PROPOSAL
Scale: 1"= 50'
OCT 04/82 J. Paxton