

BRAMEDA RESOURCES LIMITEDDRILLING AND DEVELOPMENT PROGRAMMESUKUNKA RIVER COAL PROJECT1970January

Insufficient water for drilling.
 Much time lost with camp water and lights rehabilitation.
 Moved in gear for first tunnel and started on portal,
 many minor irregularities in coal floor at outcrop.
 Continued road building and drill site preparation.
 Engaged Project Engineer, W. McAdam.
 Visit by Fenco personnel.
 Air photography and ground control survey including
 drill collar survey holes S-1 to S-8.

February

1st. Start 1st machine deepening S-8, 490'-800'.
 Move 2nd machine to Rocky Creek, Block "D".
 Move 3rd machine to Block "B".

10-20th. Start second drill at one of above sites.

20-28th. Start third drill at remaining site.

1 - 5th. Continue attempt #1 adit at site of S-2.
 If successful could have coal sample by Feb. 20th.
 If unsuccessful, start new adit vicinity of
 S-8, and expect coal sample by March 1 - 15.

5th. Roadbuilding complete for first stage drilling
 Block "B" and first hole Block "D".

5-15th. Build access road south end Block "C".
 Defer road building west of Sukunka pending
 results first hole Block "D".
 Concurrently - extend road grid Block "A"
 and trench coal outcrop where feasible.

March

Continue 2 or 3 drills detailing Block "A". 3rd or 4th
 drill extending Block "B" if first hole encouraging. Attempt
 one or more holes Block "C" or "D", depending on initial
 results.
 Try supplementing core drills with Big Indian or Becker drill.
 If Blocks "C" or "D" look encouraging, prepare for permanent
 access with new bridge upstream from camp.
 Continue exploratory sampling adits.
 Set up laboratory in Chetwynd for coal testing. Ship

samples to Japan.

Stake out coal licences.

	<u>Minimum</u>	<u>Probable Maximum</u>
Blocks A and B	15	37
Blocks C and D	?	40
South of Bullmoose Mtn.	?	32
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	15	109
Acreage fees	\$4800.00	\$34,880.00
Staking cost @ \$400-\$500	6000.00	50,000.00
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TOTAL	\$10,800.00	\$84,880.00

Consideration may be given to purchasing or erecting our own camps. Equivalent facilities would cost about \$30,000 (second hand). Present rental is about \$2500 per month.

April

Drill water should be plentiful so that 4 core drills could be employed.

April 30th earliest date by which sufficient drilling could be done to make a decision on long development headings. Government regulations will not allow single adit to go much beyond 200 feet.

Start detail surface geological mapping.

Arrange for helicopter support for reconnaissance parties in May.

May

Core and rotary drilling.

Bulldozer trenching, prospecting.

Reconnaissance south of Bullmoose Mountain.

Additional coal licence staking.

Continue short development headings for structure and sampling.

May 31. Sufficient information to decide on long development headings and on additional fill-in drilling Block A and possibly Block B.

June 1

Assuming drill results favourable, order equipment for long development drives. These are 8' x 14' (O.D.) in parallel pairs 75 feet apart with connecting crosscuts at 100 foot intervals. Equipment consists of cutter-loaders, conveyors, diesel power plant.

Continue detail drilling and outside exploration,
coal licence staking.

Aug. 1 Commence long development drive - total 15,000 feet
including crosscuts. Minimum progress (60 ft. per
day) = 8 months per heading; continue to March 31, 1971.
Consider equipping for 2 concurrent operations.

December 31/70.

Expect enough information to design mine layout, washing
plant, spur line etc.

March 31/71

Construction main facilities.

BRAMEDA RESOURCES LIMITED

STAGE I

COST PROJECTION - 1970

SUKUNKA RIVER COAL PROJECT

Exploration - Preliminary Development	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Road Building and Site Preparation	\$12,000	\$12,000	\$ 12,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 90,000
Drilling @ \$10.00 per foot		30,000	60,000	80,000	100,000	100,000	100,000	100,000	30,000	30,000	30,000	30,000	690,000
Sampling Adits	10,000	8,000	8,000	15,000	8,000	8,000	8,000	8,000	-	-	-	-	73,000
Camp Rental	3,000	3,000	3,000	3,500	4,000	4,000	4,000	4,000	3,000	3,000	3,000	3,000	40,500
Board @ \$8.00/day	4,000	4,800	5,800	9,600	10,000	10,000	10,000	10,000	6,000	6,000	6,000	6,000	88,200
Aerial Photo mapping	15,000	-	-	-	10,000	10,000	-	-	-	10,000	-	-	45,000
Coal Licence Staking	-	-	6,000	-	-	6,000	6,000	-	-	6,000	-	-	24,000
" " Fees	-	-	-	5,000	-	-	5,000	5,000	-	-	5,000	-	20,000
Vehicle rentals and operation	900	900	900	900	1,400	1,400	1,400	1,400	900	900	900	900	12,800
Supervision and geological staff	1,800	3,000	3,000	3,000	4,000	6,000	6,000	6,000	4,000	4,000	4,000	4,000	48,800
Coal Testing	-	400	1,000	2,000	500	500	500	2,000	1,000	1,000	1,000	1,000	10,900
Travel and Misc.	800	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	11,800
Consulting Geol.	-	1,600	1,600	2,000	2,000	2,000	2,000	2,000	1,000	1,000	1,000	1,000	17,200
Exploration Helicopter Support	-	-	-	1,000	5,000	5,000	5,000	5,000	500	500	-	-	22,000
Engineering(Fenco)	6,000	6,000	6,000	6,000	15,000	15,000	15,000	10,000	10,000	10,000	10,000	10,000	119,000
Overhead 10%	5,400	7,100	10,830	13,500	16,700	17,500	17,000	16,000	6,300	7,900	6,800	6,300	131,330
TOTAL	\$58,900	\$77,800	\$119,130	\$148,500	\$183,600	\$192,400	\$186,900	\$176,400	\$ 69,700	\$87,300	\$ 74,700	\$69,200	\$1,444,530
CUMULATIVE	58,900	136,700	255,830	404,330	587,930	780,330	967,230	1,143,630	1,213,330	1,300,630	1,375,330	1,444,530	1,444,530

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	\$ 58,900	\$77,800	\$ 119,130	\$ 148,500	\$ 183,600	\$192,400	\$186,900	\$ 176,400	\$ 69,700	\$ 87,300	\$ 74,700	\$ 69,200	\$ 1,444,530
<u>STAGE II</u>													
<u>Development</u>													
Capital Costs:													
Coal cutters, loaders, conveyors (guestimates)									100,000				
Diesel power plant									150,000				
Machine Shop & equipment									100,000				350,000
Operating:									75,000	75,000	75,000	75,000	300,000
TOTAL FUNDS	\$ 58,900	\$77,800	\$119,130	\$ 148,500	\$183,600	\$ 192,400	\$186,900	\$ 176,400	\$ 494,700	\$ 162,300	\$ 149,700,	\$ 144,200	\$ 2,094,530