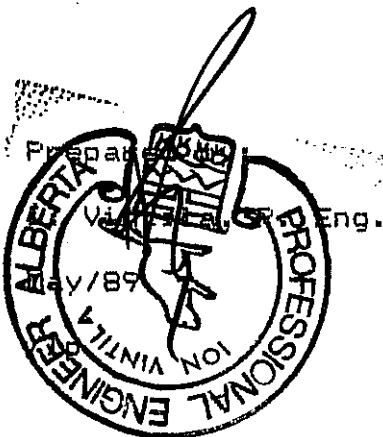


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CURRAGH RESOURCES INC  
FARO MINE

FIV MINE PLAN AND DESIGN  
FOR  
FARO PIT

JANUARY - MAY - 1989



## CONTENTS

### 1.0 INTRODUCTION

- 1.1 SCOPE OF WORK
- 1.2 SETTING
- 1.3 INFORMATION BASE
- 1.4 COLLABORATION

### 2.0 FARD DEPOSIT

- 2.1 GENERAL
- 2.2 MINING CRITERIA
- 2.3 PIT DESIGN
- 2.4 MINING PLAN CONCEPT
  - 2.4.1 STAGE 1 (ZONE A)
  - 2.4.2 STAGE 2 (ZONE S)
  - 2.4.3 STAGE 3 (ZONE E)
  - 2.4.4 STAGE 4 (ZONE B)
- 2.5 PIT RESERVES
- 2.6 WASTE DUMP
- 2.7 PRODUCTION SCHEDULE

### 3.0 PRODUCTION SCHEDULE

- 3.1 PRODUCTION SCHEDULE FOR 1989
- 3.2 PRODUCTION SCHEDULE FOR 1990 AND 1991

**4.0 ORE STOCKPILES AND WASTE DUMPS**

**4.1 STOCKPILES**

**4.2 WASTE DUMPS**

**4.3 UNDERGROUND PORTAL AREA**

**5.0 HAULING**

**6.0 CONCLUSIONS AND RECOMMENDATIONS**

**TABLES**

**ANNEXES**

MAPS

			SCALE
01	Faro Pit	Pit Final Limits	1:1200
02	Faro Pit	August 1989	1:1200
03	Faro Pit	At 31.12.1989	1:1200
04	Faro Pit	At 30.06.1990	1:1200
05	Faro Pit	At 31.12.1990	1:1200
06	Faro Pit	At 30.06.1991	1:1200
07	Faro Pit	Final Stage	1:1200
08	Computer Plotted Bench Maps with Mining Polygons (28 Units)		

## 1.0 INTRODUCTION

### 1.1 SCOPE OF WORK

Mr. W. J. Weymark, General Manager, Curragh Resources Inc., Faro, Yukon Territory, requested Mr. Ion Vintila, P. Eng., to prepare an independent Mine Plan and Design Study for the Faro Pit. The objective was to find areas of technological and economical improvement in the exploitation of the mine.

### 1.2 SETTING

Curragh Resources Inc. owns an open pit mine near the community of Faro, approximately 200 air kilometers Northeast of Whitehorse, Yukon Territory (See Figure 1). The processing plant, with a daily capacity of 13,500 tonnes ore, produces selective concentrates of lead and zinc. The mine and plant are located approximately 20 kilometers Northwest of the Town of Faro at an elevation of 1100 to 1300 meters above sea level.

The main access road to the area from Whitehorse, is approximately 360 kilometers, and travels through the town of Carmacks.

The electric power for the mine is brought parallel to the main access road from the Whitehorse area, by a 138 Kv power line.

### 1.3 INFORMATION BASE

The main documentation used for the planning and design was:

- Geology sections, scale 1:1200, prepared by Curragh Resources Inc. Geological Department in 1988 and integrated into the PC Mine computer model F8805.
- Computer plotted bench maps scale 1:1200 showing ore quality by mining blocks.
- Computer plotted surface map of the area of the pit at January 1, 1989 and April 1, 1989.
- Statistical data about the operating characteristics of the major mine equipment.
- Long range plan for the Faro, Vangorda and Grum deposits prepared by Kilborn Engineering (B.C.) Ltd. in April 1987.

1.4

COLLABORATION

This work was done in Curragh's Faro office with the absolute support of Mr. W.J. Weymark, General Manager and Mr. Kim Barrowman, Manager of Mining. It was prepared with the direct involvement and participation of Mr. Ted Scoular, Long Range Planning Engineer, Mr. Joe Vandebroek, Mining Engineer and Mr. Ed Blaxland, Senior Geologist.

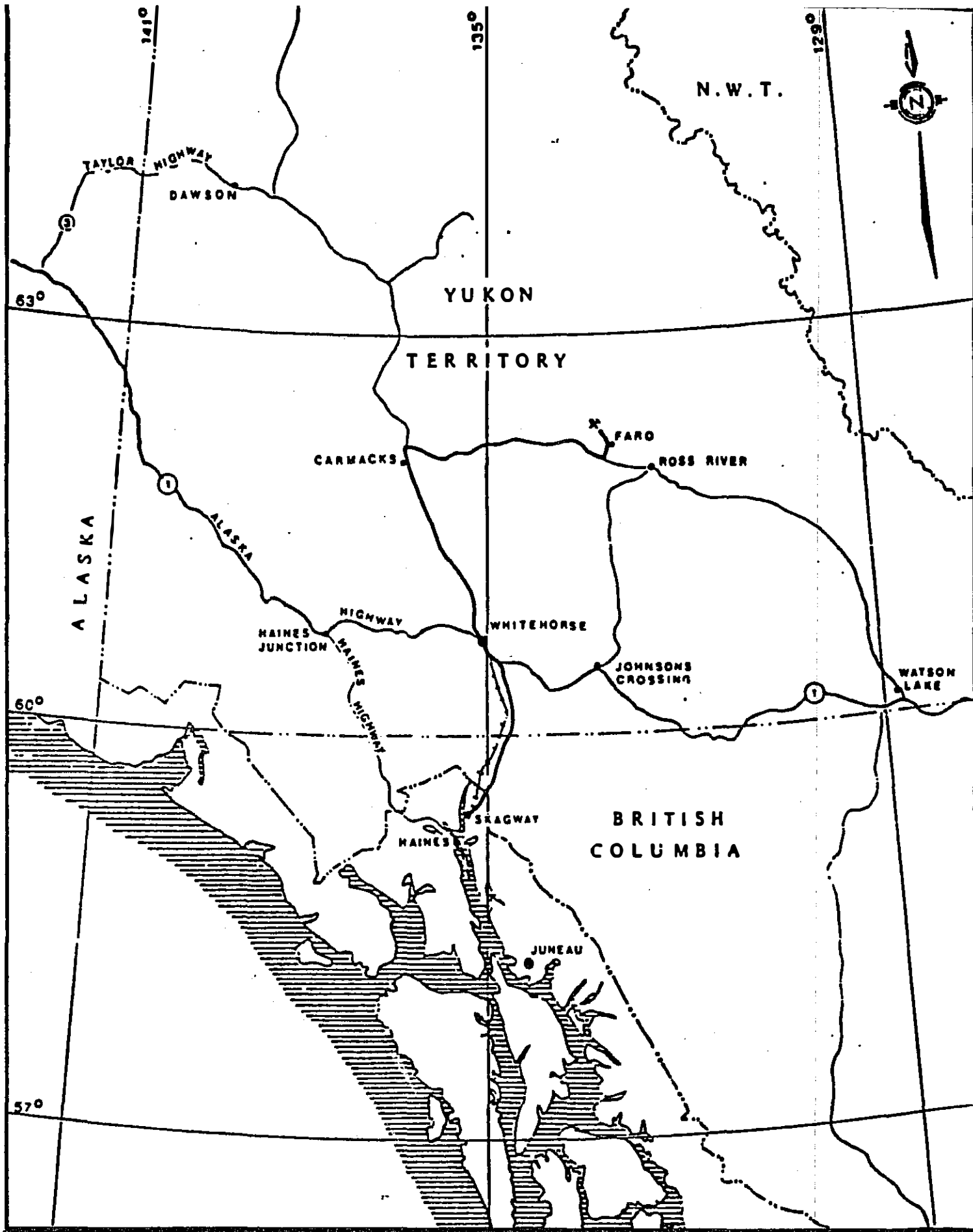


FIGURE 1 LOCATION PLAN pg 6  
 FARO, YUKON

## 2.0 FARO DEPOSIT

### 2.1 GENERAL

The Faro deposit was discovered in 1964, developed and brought into production by Cyprus Anvil Mining Corporation in 1969.

Curragh Resources Inc. acquired the assets of Cyprus Anvil in November 1985.

### 2.2 MINING CRITERIA

The general development of the Faro deposit was done by trucks and shovels operating in an open pit mining system.

This is the method presently employed at the mine. The mine plan was made assuming this equipment will continue to be used in the future, until the depletion of the mining reserves.

A small quantity of ore, 1.5 to 2 million tonnes, will be extracted by underground mining methods in the southwestern area of the pit using direct access from the pit. It was not incorporated into this plan.

#### a. Specific Gravities

The specific gravities used for the material excavated in the Faro Pit were those existing in the computer model F8805.

#### b. Bench Height

The computer model has a block height of 20 feet (6m). This corresponds to the actual digging bench of 20 feet (6m) in ore and 40 feet (12m) in waste.

#### c. Pit Slope

The slope angles were maintained as specified in the Kilborn study. They are:

- Northeastern area approx. 38 degrees
- Southeastern area approx. 40 degrees
- Southern area approx 45 degrees
- Western area approx. 45 degrees

d. Pit Roads

The road top width is 30 meters and the maximum grade is 8 percent.

e. Loaders Productivities

For P & H 2100

- 1465 t/h - waste 40' bench - double back up
- 1318.5 t/h - ore 20' bench - double back up
- 1172 t/h - waste 20' and 40' bench - single back up
- 1172 t/h - ore 20' ~~and 40'~~ bench - single back up

For FEL-DART

- 63 % of the above rates

f. Average load per truck

- Euclid and Unit Rig (170t)
  - waste 125 t
  - ore 127 t
- Wabco (120t)
  - waste 90 t
  - ore 95 t

2.3 PIT DESIGN

The new pit design titled the FIV plan was prepared on a map with a scale of 1:1200. The base documentation consisted of:

- Geology sections scale 1:1200 prepared by Carragh Geologists in 1988 and included in the computer model F8805.

- Computer plotted bench maps containing the ore grade and type of rocks.

Initially the theoretical limits of the pit were established taking into consideration the following:

- The existing limits of the pit.
- Including most of the ore in the new limits.
- Areas with visible high stripping and areas with low grade ore were eliminated.

The pit was divided into relatively independent zones of operation. The ramps and haul roads were located as much as possible within the pit's theoretical limits. The intention was to minimize the excavation of waste outside of those limits.

Once the limits of the pit were defined the map was digitized and a preliminary reserve calculation was done by zones and benches using PC MINE and the geology model F8805.

A rough schedule of production was done to find out where the mining activity must be directed to insure the millfeed for 1989.

Following the rough schedule a more detailed system of ramps and roads were designed. The benches were divided into mining polygons and digitized into the computer. The reserves were calculated as of the 1st of April 1989 by two methods, PC MINE by benches (ANNEX 1) and MAXIPLAN by blocks, benches and zones (ANNEX 2). The results are:

MINING RESERVES	PC MINE t x 1000	MAXIPLAN t x 1000
TOTAL EXCAVATION	34,170	34,530
TOTAL WASTE	20,770	21,047
SULPHIDE WASTE	-	6,364
TOTAL ORE	13,400	13,484
HIGH GRADE >5%	11,850	11,943
LOW GRADE 4-5%	1,550	1,541
HIGH GRADE ORE QUALITY		
Pb + Zn%	8.19	8.14
Pb %	3.07	3.06
Zn %	5.12	5.08
Ag g/t	33.20	33.60
Au g/t	0.12	0.12

## 2.4 MINING PLAN CONCEPT

Faro pit will be mined in four stages. The stages were defined by taking into consideration, the production requirements, and technical possibility for development of the pit.

STAGE 1 (ZONE A) represents the mining of the area in the former BZ zone to the bottom of the pit elevation 3310 (See Map 2).

STAGE 2 (ZONES S + R) represents the mining of the southern area of the pit to the elevation 3450 (See maps 02 and 03).

STAGE 3 (ZONE E) represents the mining of the eastern area of the pit to elevation 3450 (See maps 03, 04 and 05).

STAGE 4 (ZONE B) represents the mining of the bottom of the pit from elevation 3450 to 3310 (see maps 06 and 07). A summary of the reserves calculated by zone are shown in table 1 and detailed in the computer printout ANNEX 1.

### 2.4.1 STAGE 1 (ZONE A)

Zone A is the former BZ phase. The upper elevation is 3450 and the bottom 3310. A haul road was completed in the 1st quarter of 1989 to bench 3410, and it will be continued to elevation 3330. Most of the haul road will be in waste. Any ore found in the road will be mined and the area backfilled to the designed elevation of the road. (See map 02) From elevation 3330 to 3310 the material has to be mined in two phases:

Phase 1 - A temporary road developed in ore and partial mining of bench 3310.

Phase 2 - A final road developed on backfilled waste and mining the rest of bench 3310, including the ore, under the temporary road.

Zone A will be the main millfeed producer until the beginning of August 1989 when it's reserves will be depleted.

The sulphide waste will be mainly backfilled in the north side of that area. Dumping will be at elevation 3530 and possibly at elevation 3630, if additional volume is required.

A geological assessment of the pit bottom must be done prior to abandoning the A zone. This is to insure recovery of all ore. Backfilling requirements will prohibit future mining in this area.

#### 2.4.2 STAGE 2 (ZONE S)

Zone SOUTH (S and R mining polygons) contains most of the former CD phase. The limits are defined in the north by the actual slope of the pit and, in the south and west by the final limits of the pit. The east side limits are defined by the actual slope of the pit at the elevation 3750. This zone is the only one capable of ensuring the continuity of millfeed in the second part of 1989.

The south zone will be mined in three phases:

Phase 1 - Construction of the main ramp - from elevation 3770 to 3550. All the material both ore and waste will be hauled south to the stockpiles and dumps.

Phase 2 - Construction of the road on backfilled material on the west side of the pit. All the waste will be backfilled and the ore will be hauled out the south ramp.

Phase 3 - When the road on backfilled material is ready, the south ramp (R) will be excavated to the limit of the pit. All the hauling will be done on the backfilled road. Waste will be taken to the internal dumps and ore to the stockpiles. The third phase will continue independently to bench 3490. The hauling from the E zone has to cross the S zone at elevation 3490.

From June to October 1989 two shovels must operate in the S zone to ensure the required production. In October one of the shovels could be moved into the E zone. If the situation at that time required it, the shovel could be kept one month more in the S zone improving the stockpile situation. This will not have a major influence on the development of the E zone. It is assumed some production will be obtained from the Faro underground operation in 1990 and 1991.

If the operation continues at full capacity in the S zone it will be finished in September 1990. The shovel could then move to the Vangorda/Grum operation. The shovel could be moved as early as August and, in that case, the remaining waste and ore on bench 3470 and 3450 would be loaded by a FEL over a longer period of time (Alt 2).

#### 2.4.3 STAGE 3 (ZONE E)

Zone EAST (E) is most of the former DZ phase and some of the CD phase. It includes the eastern area of the pit from the actual elevation 3950 to elevation 3450. That area will be mined in one stage but in three phases:

Phase 1 - All the material excavated, waste and ore, will be hauled out of the pit by the east ramp south access (see map 3).

The east road will be developed to elevation 3630. Then the direction of haulage will be changed to the north. The ramp will be excavated and the waste will be backfilled to elevation 3630 (see map 4).

Because of the limited volume of the in-pit dump it is recommended that the maximum possible volume of waste from this phase ~~should~~ be hauled out of the pit.

Phase 2 - The access road to the lower area will be developed from an existing berm at elevation 3630 on the north side of Zone A. This phase includes the excavation of the upper east ramp (elevation 3830 to 3630) and the construction of a lower east ramp from elevation 3630 to 3490. Most of the waste excavated and all the sulphide in this phase will be backfilled from elevation 3630 and 3670.

Phase 3 - The E zone will connect with the S zone at elevation 3490. At that time haulage will switch to the west fill ramp and the ramp from elevation 3630 will be excavated (see map 05) to elevation 3490. A temporary road has to be built from 3490 to 3450 to recover the ore from the north area, making possible the backfilling in that area. The backfilling will be done on three benches, one at the elevation 3490, another at elevation 3630 and the last at elevation 3670 (see map 06).

#### 2.4.4 STAGE 4 (ZONE B)

Zone BOTTOM (B) includes the mining of the ore ~~existing~~ between elevation 3450 to elevation 3310.

The haul road (see map 07) will be built in the bottom of the pit. Some areas of the road will be backfilled, after the ore has been mined. Temporary ramps will be needed to ensure the maximum recovery of the ore from the bottom of the pit.

### 3.0 PRODUCTION SCHEDULE

#### 3.1 PRODUCTION SCHEDULE FOR 1989

Production schedules were produced until the depletion of the Faro reserves. These schedules are:

- 1989 production to ensure millfeed
- 1990-1991 Alternative 1
- 1990-1991 Alternative 2

1989's schedule is the same for both alternative 1 and 2.

All schedules agree with the volume of reserves at April 1989, the production requirements and the four development stages described in the previous chapter.

To ensure the millfeed for the rest on the year the mining activity has to be concentrated in two zones:

- Zone A where there are approximately 1.8 million t of ore with an average grade of 6.94% Pb + Zn and 0.4 million t of waste.
- Zone S where there are approximately 6.8 million t of ore with an average grade of 8.09% Pb + Zn and 8.3 million t of waste.

Table 2 shows the proposed production schedule for 1989. Details of it are shown in the computer printout attached to this report.

To realize the proposed production schedule the following measures have to be taken:

1. Continue the activity in Zone A with one shovel full time at least until the beginning of July. Then the activity could be reduced to one shift a day if manpower is a problem.
2. Starting at April 1st one full time shovel, and at June 1st a second full time shovel should operate in the S zone until October 1989. One of the shovels could be moved into the E zone in October. If production requires it the two shovel operation could continue one more month in the south, without having a negative impact on the future development of the E zone of the pit.

The proposed schedule will have an important improvement on the millfeed in the second part of the year (See table 3 and the attached detailed computer printout tables).

One shovel can be moved to the Vangorda/Grum area in August 1989 once the reserves in Zone A are finished.

### 3.2 PRODUCTION SCHEDULE FOR 1990 AND 1991

Tables 5,6,7 and 8 show two alternatives of production:

- Alternative 1

Maximum possible production using one shovel in the S zone until the depletion on the reserve (3450) and one in the E zone. In this alternative the shovel from the S zone could be moved to the Vangorda/Grum area at the beginning of October 1990.

- Alternative 2

The shovel from the S zone could be moved to Grum at the beginning of August 1990 and the remaining material mainly ore will be loaded by a FEL.

With both alternatives the shovel working in the E zone will continue mining in the Faro pit until the end of mine life.

The consequences of feeding the mill only with ore from the Faro pit in 1990 are shown in tables 5a and 6a and the attached computer prints (annex 6).

#### 4.0 ORE STOCKPILES AND WASTE DUMPS

##### 4.1 STOCKPILES

There will not be any changes in the actual location of the stockpiles.

At the first of April 1989 the following quantities of ore were assumed to be in the stockpiles.

	QUANTITY <u>t X 1000</u>	GRADE <u>Pb + Zn%</u>
HIGH GRADE ORE	45	8.97
MEDIUM GRADE ORE	251	5.94
LOW GRADE ORE	912	4.64

##### 4.2 WASTE DUMPS

The main dump will be the present Zone 2 dump located to the south of the pit.

Special attention was given to the possibility of shortening the haul distances by finding areas in the pit which could be backfilled. One of the main areas is in the A zone, where the backfilling could start once the ore from that zone is depleted in August 1989 (see map 02). The total quantity of waste that can be dumped in this area is 7 to 7.5 million tonnes. A small quantity of sulphide waste can be dumped prior to that date on the north side of Zone A from elevation 3530. Some water pipes in the area need to be removed or covered.

The dumping has to be done in steps. The first step of 5.5 million tonnes will cover the hole left in Zone A. The second step will cover the northern side of the E zone, once the ore is mined to elevation 3450 or 3430. The final shape of this inpit dump is shown in map 07.

Another area to be taken into consideration for backfilling is in the south side of the pit, where it is possible to backfill a small quantity of sulphide waste after all the ore is mined. This area needs geological assessment to ensure all the ore in the area is recovered.

There will be other berms or holes in the pit where small quantities of waste can be dumped. These will have to be evaluated on an individual basis when they become available.

#### 4.3 UNDERGROUND PORTAL AREA

The backfilling of the waste to build the west ramp will have to take into consideration the location of the culvert and the portal to access the underground mining area. The location proposed (see map 02) coordinates the dumping activity with the construction of the portal. The culvert has been scheduled for installation in the middle of September.

To create the necessary yard in front of the portal as shown in the maps, one million tonnes of waste is needed. This means the underground development probably cannot commence earlier than December 1989.

The portal yard designed can stockpile 10,000 - 15,000 t of ore in a 3 metre high pile.

## 5.0 HAULING

A detailed evaluation of the hauling of ore and waste was done by benches, blocks and location of stockpiles and dumps.

The computer printout, annex 8,9 and 10, shows the distance, average speed, loading time, number of trucks with productivities and total necessary operating hours. Only 170 T trucks were included in this spreadsheet.

Table 9 shows the total shovel hours, total truck hours (170 and 120 T trucks) and the average trucks per shovel for 1989.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

The geological documentation is generally adequate for the level of this study.

The only area where new exploratory holes are recommended is the northeastern highwall. The quantity and the quality of the ore there, which is low grade, is based more on a geological interpretation than on drill hole data. The execution of this exploration program, proposed in consultation with Mr. Gregg Jilson, will better define the northeastern highwall.

The FIV mine plan and design for the Faro pit reduces the quantity of excavation from 40.0 to 34.5 million tonnes. This represents approximately 14 percent, without any reduction of the quantity of ore.

The FIV design and schedule make possible the dumping of 7 to 7.5 million tonnes of waste, mainly sulphide, back in the pit. This will have a significant positive influence on the haul distances.

The underground portal access was located to ensure the start of mining as soon as possible. The portal will be installed in September 1989 and underground mining will start in December 1989. This will not disturb the pit operation.

It is necessary, starting the first of June, to work with two shovels in the S Zone of the pit at full capacity. Two shovels in the S Zone will continue until at least October 1989 when one shovel could be moved to another area of operation.

The shovel from Zone A can go to the E Zone or to the Vangorda/Grum in August 1989.

The 1989 production schedule was done limiting the total excavation to match the budget forecast. An additional 1 to 2 million tonnes from the E Zone this year would greatly enhance the flexibility of production in the future.

For 1990 and 1991, two alternatives of Faro pit production with their respective optimum plant millfeeds were produced. The average grade of ore will be 7.9 percent Pb and Zn.

The second shovel could be moved to the Vangorda/Grum area as soon as August 1990.

A reschedule of the production and millfeed from the Faro pit probably will be needed for 1990 and 1991; to accommodate the general long range schedule for the property including the Faro Underground, Grum, Vangorda and Dy developments.

  
Ion Vintila, P. Eng.

  
Ted Scouler, P. Eng.

Long Range Planning Engineer

Joe Vandebroek

  
Project Engineer

IV,TS,JV/1p

TABLES

1	RESERVE SUMMARY BY ZONE OF MINING AT APRIL 1st 1989
2	PRODUCTION SCHEDULE - 1989
3	PRODUCTION SUMMARY - 1989 - MILLFEED AND CONCENTRATE
4	DETAILED SCHEDULE BY BENCH - 1989
5	PRODUCTION SCHEDULE 1990 - ALTERNATIVE 1
5A	PRODUCTION SUMMARY 1990 - ALTERNATIVE 1
6	PRODUCTION SCHEDULE 1990 - ALTERNATIVE 2
6A	PRODUCTION SUMMARY 1990 - ALTERNATIVE 2
7	PRODUCTION SCHEDULE 1991 - ALTERNATIVE 1
7A	PRODUCTION SUMMARY 1991 - ALTERNATIVE 1
8	PRODUCTION SCHEDULE 1991 - ALTERNATIVE 2
8A	PRODUCTION SUMMARY 1991 - ALTERNATIVE 2
9	HAULING DATA 1989
10	HAULING DATA 1990 - ALTERNATIVE 1
11	HAULING DATA 1990 - ALTERNATIVE 2
12	HAULING DATA 1991 - ALTERNATIVE 1
13	HAULING DATA 1991 - ALTERNATIVE 2

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 JUNE 8. 1989

FARO PIT  
 Reserve Calculations  
 (MAXIPLAN)  
 AT APRIL 1. 1989  
 t X 1000

ZONE	A	B	S + R	E	TOTAL
TOTAL EXCAVATION	2210	3145	15139	14037	34530
TOTAL WASTE	407	918	8274	11448	21047
SULPHIDE	330	799	2015	3220	6364
TOTAL ORE	1803	2227	6865	2589	13484
Pb + Zn %	6.94	8.34	8.09	6.56	7.68
Pb %	2.56	2.87	3.19	2.25	2.87
Zn %	4.38	5.47	4.90	4.31	4.81
Ag g/t	27.00	26.00	38.20	23.00	32.20
Au g/t	0.11	0.09	0.14	0.12	0.12
HIGH GRADE	1105	1739	5247	1030	9120
Pb + Zn %	8.16	9.28	8.97	9.35	8.97
Pb %	3.03	3.22	3.55	3.26	3.39
Zn %	5.13	6.06	5.42	6.09	5.58
Ag g/t	23.40	26.00	40.70	28.80	35.30
Au g/t	0.06	0.07	0.13	0.12	0.11
MEDIUM GRADE	478	324	1205	817	2823
Pb + Zn %	5.36	5.42	5.60	5.35	5.47
Pb %	1.99	1.80	2.17	1.78	1.98
Zn %	3.37	3.61	3.42	3.57	3.48
Ag g/t	32.90	25.90	31.70	21.70	28.10
Au g/t	0.20	0.16	0.15	0.13	0.15
LOW GRADE	220	164	413	742	1540

VINTBL2

## FARD PIT PRODUCTION SCHEDULE

(t x 1000)

ALTERNATIVE 1 + 2

JUNE 8, 1989

YEAR 1989 (APR TO DEC)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WASTE				724	551	1399	1162	1178	1031	774	995	961	8775
TOTAL ORE				411	720	628	491	365	436	298	357	409	4115
Pb + Zn %				7.21	6.51	7.29	7.65	7.28	9.35	9.24	8.11	7.72	7.66
Pb %				2.86	2.45	2.68	2.73	2.70	3.79	3.92	3.12	3.04	2.95
Zn %				4.35	4.06	4.60	4.93	4.56	5.56	5.32	4.99	4.68	4.71
Ag g/t				33	29	25	31	37	52	50	39	36	35
Au g/t				0.10	0.14	0.10	0.09	0.22	0.16	0.24	0.21	0.18	0.15
HIGH GRADE				244	361	431	318	230	400	210	307	266	2766
Pb + Zn %				8.72	7.87	8.39	9.18	8.54	9.73	11.11	8.55	9.40	8.97
Pb %				3.61	2.89	3.04	3.32	3.21	3.97	4.81	3.34	3.79	3.49
Zn %				5.11	4.98	5.35	5.86	5.32	5.76	6.30	5.20	5.61	5.46
Ag g/t				34	24	23	34	38	54	62	42	44	38
Au g/t				0.04	0.09	0.07	0.07	0.19	0.16	0.27	0.20	0.15	0.13
MEDIUM GRADE				117	284	127	94	92	24	50	38	58	885
Pb + Zn %				5.38	5.39	5.10	5.53	5.56	5.68	5.45	5.85	5.48	5.42
Pb %				1.93	2.14	2.06	1.93	2.04	1.89	2.11	1.84	1.69	2.02
Zn %				3.45	3.25	3.04	3.60	3.52	3.79	3.34	4.01	3.79	3.40
Ag g/t				32	34	30	27	41	29	24	20	20	31
Au g/t				0.17	0.18	0.21	0.15	0.33	0.06	0.15	0.27	0.17	0.19
LOW GRADE				50	75	70	79	42	12	38	12	85	465
SHOVELS				2	2	3	3	2.2	2	2	2	2	

VINTBL3

JUNE 8, 1989

FARD PIT  
 PRODUCTION SUMMARY 1989  
 MILLFEED AND CONCENTRATE  
 (t X 1000)

	JAN ACT	FEB ACT	MAR ACT	APR ACT	APR PLAN	MAY PLAN	JUN PLAN	JUL PLAN	AUG PLAN	SEP PLAN	OCT PLAN	NOV PLAN	DEC PLAN	TOTAL
TOTAL EXCAV	1 256.0	1 260.0	1 275.0	1 238.0	1 135.0	1 270.0	2 027.0	1 652.0	1 543.0	1 467.0	1 072.0	1 352.0	1 370.0	16 681.0
TOTAL WASTE	803.0	868.0	884.0	827.0	724.0	551.0	1 399.0	1 162.0	1 178.0	1 031.0	774.0	995.0	961.0	11 330.0
TOTAL ORE	453.0	392.0	391.0	411.0	411.0	720.0	628.0	491.0	365.0	436.0	298.0	357.0	409.0	5 351.0
Pb & Zn %	7.19	6.80	7.55	7.22	7.21	6.51	7.29	7.65	7.25	9.35	9.24	8.11	7.72	7.55
MEDIUM AND HIGH														
GRADE >5%	406.0	307.0	335.0	376.0	361.0	645.0	558.0	412.0	322.0	424.0	260.0	345.0	324.0	4 699.0
Pb & Zn %	7.55	7.25	8.02	7.47	7.63	6.77	7.64	8.35	7.69	9.50	10.02	8.25	8.69	8.00
STOCKPILE	1 063.0	1 199.0	1 208.0	1 242.0	1 242.0	1 575.0	1 829.0	1 916.0	1 879.0	1 916.0	1 812.0	1 772.0	1 769.0	
>7% Pb & Zn	88.0	43.0	45.0	20.0	20.0	0.0	99.0	129.0	10.0	146.0	148.0	125.0	85.0	
Pb & Zn %	9.2	9.5	9.0	9.0	9.0		8.5	8.6	8.6	9.7	9.7	9.3	9.1	
5 - 7% Pb & Zn	180.0	297.0	251.0	301.0	301.0	578.0	663.0	690.0	737.0	737.0	737.0	763.0	782.0	
Pb & Zn %	6.0	6.0	5.9	5.8	5.8	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
4 - 5% Pb & Zn	795.0	859.0	912.0	921.0	921.0	997.0	1 067.0	1 097.0	1 132.0	1 033.0	927.0	884.0	902.0	
MILLFEED	396.0	255.0	381.0	375.0	375.0	387.5	375.0	403.0	403.0	397.5	403.0	397.5	410.8	4 584.0
Pb & Zn %	7.5	7.6	7.5	7.6	7.7	7.9	8.0	8.0	8.1	8.0	8.1	8.1	8.2	7.9
TOTAL CONC	44.4	29.3	42.9	42.5	42.6	44.8	44.3	48.5	48.5	47.9	49.0	48.1	49.9	540.4
Pb CONC	16.9	9.9	15.1	15.3	15.8	14.5	14.3	15.7	15.7	17.6	19.2	17.5	18.0	190.2
Pb %	59.9	57.7	60.9	58.3	60.2	60.9	60.4	59.9	60.5	59.9	59.6	59.9	60.2	60.1
Pb REC %	80.1	74.6	82.9	80.6	79.8	78.0	78.1	79.1	78.6	81.1	82.4	80.4	80.0	79.7
Zn CONC	27.5	19.4	27.8	27.2	26.8	30.3	30.0	32.8	32.8	30.3	29.8	30.6	31.8	350.2
Zn %	49.2	48.2	49.3	50.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.5
Zn REC %	78.7	80.8	78.6	79.3	77.9	78.1	78.4	79.3	78.7	79.3	79.7	78.7	78.4	78.9

TABLE 4

## CURRAGH RESOURCES INC.

Plan : FLRI

Year : 1989

Bench Summary for Phase : A

Date : 19-May-89

Bench Material	January Tonnes Grade	February Tonnes Grade	March Tonnes Grade	April Tonnes Grade	May Tonnes Grade	June Tonnes Grade	July Tonnes Grade	August Tonnes Grade	September Tonnes Grade	October Tonnes Grade	November Tonnes Grade	December Tonnes Grade	Total Tonnes Grade
3420 Rock				(2,693)									(2,693)
Sulphide				8,226									8,226
Total Waste				5,533									5,533
L. G.				4,990	4.13								4,990 4.13
M. G.				5,328	5.67								5,328 5.67
H. G.				34,040	11.65								34,040 11.65
Total Ore				44,378	10.98								44,378 10.98
Total				49,911									49,911
3410 Rock				(1,013)									(1,013)
Sulphide				59,957									59,957
Total Waste				58,944									58,944
L. G.				19,183	4.18								19,183 4.18
M. G.				34,823	4.99								34,823 4.99
H. G.				194,511	8.37								194,511 8.37
Total Ore				248,517	7.58								248,517 7.58
Total				307,461									307,461
3390 Rock				24,312	3,108	(1,094)							26,326
Sulphide				34,596	81,346	6,165							124,107
Total Waste				60,908	84,454	5,071							150,433
L. G.				14,790	4.09	36,144	4.32	714	4.17				51,648 4.25
M. G.				72,300	5.58	159,215	5.42	5,273	5.79				236,788 5.48
H. G.				14,872	6.59	285,824	7.83	25,886	7.92				326,582 7.78
Total Ore				161,962	5.51	481,183	6.77	31,874	7.48				615,019 6.60
Total				162,870	545,637	36,945							765,452
3370 Rock						29,774							29,774
Sulphide						43,566							43,566
Total Waste						73,340							73,340
L. G.						52,116	4.41						52,116 4.41
M. G.						68,683	4.96						68,683 4.96
H. G.						323,464	8.44						323,464 8.44
Total Ore						444,263	7.43						444,263 7.43
Total						517,603							517,603
3350 Rock						14,280	(4,198)						10,082
Sulphide						9,160	21,120						30,280
Total Waste						23,440	16,921						40,361
L. G.						15,140	4.08	34,906	4.08				50,046 4.08
M. G.						10,753	5.41	24,791	5.41				35,544 5.41
H. G.						54,415	7.64	125,456	7.64				179,871 7.64
Total Ore						80,308	6.67	185,153	6.67				265,461 6.67
Total						103,748	202,874						306,622

CURRABIN RESOURCES INC.

Plan : FLRI Year : 1989

Batch Summary for Phase : A

Date :19-May-89

Batch Material	January		February		March		April		May		June		July		August		September		October		November		December		Total			
	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade	Tonnes	Grade		
3330 Rock													823		(1,839)												(1,016)	
Sulphide													39,434		20,576												60,010	
Total Waste													40,257		18,737												58,994	
L. G.													27,222	4.07	13,575	4.09											40,797	4.08
M. G.													17,537	4.85	10,001	4.85											27,538	4.85
N. G.													27,006	7.60	15,459	7.60											42,465	7.60
Total Ore													71,764	5.39	39,034	5.68											110,800	5.62
Total													112,021		57,773												169,794	
3310 Rock															15,495												15,495	
Sulphide															3,613												3,613	
Total Waste															19,108												19,108	
L. G.															1,524	4.52											1,524	4.52
M. G.															69,217	5.68											69,217	5.68
N. G.															4,773	7.20											4,773	7.20
Total Ore															75,514	5.75											75,514	5.75
Total															94,622												94,622	
Total Rock	0		0		0		20,606		3,108		42,960		(3,375)		13,656		0		0		0		0		0		76,955	
Sulphide	0		0		0		104,779		81,346		58,891		40,554		24,189		0		0		0		0		0		329,759	
Total Waste	0		0		0		125,385		84,454		101,851		57,178		37,845		0		0		0		0		0		406,713	
L. G.	0		0		0		38,963		36,144		67,970		62,128		15,999		0		0		0		0		0		220,304	
M. G.	0		0		0		112,451		159,215		84,709		42,328		79,218		0		0		0		0		0		477,921	
N. G.	0		0		0		243,443		285,824		403,765		152,462		20,232		0		0		0		0		0		1,105,726	
Total Ore	0		0		0		394,857		481,183		556,445		256,917		114,550		0		0		0		0		0		1,803,952	
Total	0		0		0		520,242		545,637		658,294		314,895		152,395		0		0		0		0		0		2,210,665	

TABLE 4 2 of 8

CURRAN REFOURER INC.

Plan : FLRI

Year : 1989

Batch Summary for Phase : R

Date : 23-May-89

Batch Material	January Tonnes Grade	February Tonnes Grade	March Tonnes Grade	April Tonnes Grade	May Tonnes Grade	June Tonnes Grade	July Tonnes Grade	August Tonnes Grade	September Tonnes Grade	October Tonnes Grade	November Tonnes Grade	December Tonnes Grade	Total Tonnes Grade
3770 Rock				76,937									76,937
Sulphide				0									0
Total Waste				76,937									76,937
L. G.				0	0.00								0 0.00
M. G.				0	0.00								0 0.00
N. G.				0	0.00								0 0.00
Total Ore				0	0.00								0 0.00
Total				76,937									76,937
3750 Rock				153,446	12,760				22,865				189,071
Sulphide				5,936	0				0				5,936
Total Waste				159,382	12,760				22,865				195,007
L. G.				10,805	4.25	0	0.00		0	0.00			10,805 4.25
M. G.				5,007	4.82	0	0.00		0	0.00			5,007 4.82
N. G.				194	6.67	0	0.00		0	0.00			194 6.67
Total Ore				16,005	4.45	0	0.00		0	0.00			16,005 4.45
Total				175,387	12,760				22,865				211,012
3730 Rock					382,690	416,666			29,238				819,594
Sulphide					18,208	4,139			0				22,347
Total Waste					400,898	420,805			29,238				841,851
L. G.					26,010	4.06	0	0.00	0	0.00			26,010 4.06
M. G.					14,058	5.20	0	0.00	0	0.00			14,058 5.20
N. G.					24,047	7.58	3,058	10.28	0	0.00			27,145 7.88
Total Ore					44,154	5.83	3,058	10.28	0	0.00			67,212 5.84
Total					464,962	423,863			29,238				909,063
3710 Rock					15,214	567,264	183,670		4,673	4,881			775,702
Sulphide					37,526	23,911	2,308		244	257			64,248
Total Waste					52,740	591,174	185,978		4,920	5,138			839,950
L. G.					13,272	4.26	1,641	4.13	1,157	4.39	1,208	4.39	17,466 4.26
M. G.					110,440	5.37	6,019	5.51	3,984	5.34	4,163	5.34	124,986 5.37
N. G.					50,850	8.20	13,932	8.25	1,104	8.54	0	0.00	65,886 8.28
Total Ore					174,562	6.14	21,592	7.17	5,143	5.12	5,371	5.12	208,337 6.20
Total					227,302	612,766	187,647		10,663	10,509			1,048,287
3690 Rock						233,617	296,742	169,248					699,607
Sulphide						50,709	34,022	19,112					103,843
Total Waste						284,326	330,764	188,360					803,450
L. G.						0	0.00	1,514	3.70	0	0.00		1,514 3.70
M. G.						36,979	5.12	7,173	6.03	0	0.00		44,143 5.27
N. G.						9,832	11.86	86,761	11.95	5,297	15.62		101,890 12.13
Total Ore						46,803	6.54	93,447	11.37	5,297	15.62		147,547 9.99
Total						331,129	426,211	193,657					950,997

CURRAN RESOURCE INC.

Plan: FLRI

Year: 1997

Bench Summary for Phase: B

Date: 23-May-97

Bench Material	January Tonnes Grade	February Tonnes Grade	March Tonnes Grade	April Tonnes Grade	May Tonnes Grade	June Tonnes Grade	July Tonnes Grade	August Tonnes Grade	September Tonnes Grade	October Tonnes Grade	November Tonnes Grade	December Tonnes Grade	Total Tonnes Grade
3670 Rock							482,465	189,431		(1,127)			670,969
Sulphide							52,725	45,847		19,300			117,872
Total Waste							535,190	235,478		18,173			788,841
L. G.							15,385	4.66 474	4.61	2,347	4.34		18,206 4.10
M. G.							42,245	5.79 1,143	5.81	10,817	5.74		54,205 5.78
N. G.							72,064	9.23 39,845	10.63	1,077	6.68		112,186 9.69
Total Ore							129,694	7.49 40,662	10.42	14,240	5.59		184,596 7.99
Total							664,884	276,140		32,413			973,437
3650 Rock							40,231	207,870	219,737	13,145			481,103
Sulphide							12,475	18,145	65,914	10,550			107,084
Total Waste							52,705	226,135	285,651	23,694			588,185
L. G.							0	9.00 23,769	3.88 7,475	4.29	0 0.00		33,244 3.97
M. G.							1,768	5.82 10,913	5.48 818	4.79	1,768	3.82	15,267 5.52
N. G.							5,294	7.85 92,163	7.48 7,388	8.79	0 0.00		104,845 7.59
Total Ore							7,062	7.34 120,845	6.99 15,681	6.44	1,768	5.82	153,356 6.60
Total							59,767	334,990	361,332	23,462			741,541
3630 Rock								233,451	212,233	11,007			456,691
Sulphide								14,782	33,831	974			71,507
Total Waste								248,153	246,064	11,981			528,198
L. G.								1,170	3.93 1,839	3.93	0 0.00		3,009 3.93
M. G.								766	5.48 1,203	5.48	0 0.00		1,969 5.48
N. G.								73,789	8.32 141,344	9.53	20,367	9.00	233,500 9.18
Total Ore								75,725	8.42 144,386	9.45	20,367	9.00	240,478 9.09
Total								323,878	412,450	32,348			768,676
3610 Rock								149,380	167,666		15,877		332,923
Sulphide								7,467	37,834		7,467		52,768
Total Waste								156,846	205,500		23,344		383,690
L. G.								0	0.00 1,766	3.93	0 0.00		1,766 3.93
M. G.								0	0.00 15,961	5.75	0 0.00		15,961 5.75
N. G.								0	0.00 233,995	9.79	0 0.00		233,995 9.79
Total Ore								0	0.00 233,922	9.49	0 0.00		233,922 9.49
Total								156,846	459,422		23,344		639,612
3590 Rock								85,406	92,142	45,579		22,362	245,489
Sulphide								0	42,578	54,795		0	97,373
Total Waste								85,406	134,719	100,375		22,362	342,862
L. G.								0	0.00 0	3.97 1,147	3.97	0 0.00	1,147 3.97
M. G.								0	0.00 1,921	6.33 0	0.00	0 0.00	1,921 6.33
N. G.								0	0.00 15,408	11.01 165,316	11.97	0 0.00	180,724 11.89
Total Ore								0	0.00 17,330	10.49 166,462	11.92	0 0.00	183,792 11.79
Total								85,406	152,649	266,837		22,362	526,654

CORRASH RESOURCES INC.

Plan : FLRI

Year : 1987

Month Summary for Phase : 8

Date : 23-May-87

Bunch Material	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade
3570 Rock									46,122				46,122
Sulphide									0				0
Total Waste									46,122				46,122
L. G.									0 0.00				0 0.00
M. G.									0 0.00				0 0.00
N. G.									0 0.00				0 0.00
Total Ore									0 0.00				0 0.00
Total									46,122				46,122
Total Rock	0	0	0	230,383	410,574	1,217,547	1,003,108	1,035,106	765,676	73,485	15,877	22,362	4,794,118
Sulphide	0	0	0	5,936	55,734	78,759	181,530	105,275	292,403	85,876	7,467	0	642,978
Total Waste	0	0	0	236,319	466,308	1,296,305	1,184,637	1,140,378	768,077	159,361	23,344	22,362	5,437,093
L. G.	0	0	0	10,865	39,282	1,641	17,067	27,413	12,437	4,782	0	0	113,367
M. G.	0	0	0	5,007	124,498	42,789	51,344	12,822	23,889	16,748	0	0	277,317
N. G.	0	0	0	194	74,957	24,822	165,223	210,294	400,135	186,748	0	0	1,064,365
Total Ore	0	0	0	16,005	238,716	71,453	233,872	250,529	436,462	208,208	0	0	1,453,245
Total	0	0	0	252,324	705,024	1,367,758	1,338,509	1,396,907	1,424,541	367,569	23,344	22,362	6,892,338

TABLE 4 5 of 8

CURRABO RESOURCES INC.

Plan: FLRI

Year: 1987

Month Summary for Phase: R

Date: 19-May-89

Bench Material	January	February	March	April	May	June	July	August	September	October	November	December	Total
	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade	Tonnes Grade
3730 Rock									42,824				42,824
Sulphide									0				0
Total Waste									42,824				42,824
L. G.									0	0.00			0
M. G.									0	0.00			0
N. G.									0	0.00			0
Total Ore									0	0.00			0
Total									42,824	0.00			42,824
3710 Rock										89,561			89,561
Sulphide									0				0
Total Waste									89,561				89,561
L. G.									0	0.00			0
M. G.									0	0.00			0
N. G.									0	0.00			0
Total Ore									0	0.00			0
Total									89,561				89,561
3690 Rock										121,634			121,634
Sulphide									7,942				7,942
Total Waste									129,577				129,577
L. G.									10,074	4.07			10,074
M. G.									7,322	5.84			7,322
N. G.									0	0.00			0
Total Ore									17,396	4.81			17,396
Total									146,973				146,973
3670 Rock										115,533			115,533
Sulphide									3,527				3,527
Total Waste									119,080				119,080
L. G.									2,389	4.03			2,389
M. G.									1,957	5.44			1,957
N. G.									0	0.00			0
Total Ore									4,346	4.67			4,346
Total									123,426				123,426
3650 Rock										98,408			98,408
Sulphide									14,493				14,493
Total Waste									112,901				112,901
L. G.									20,390	3.93			20,390
M. G.									23,530	5.18			23,530
N. G.									18,628	6.57			18,628
Total Ore									62,548	5.20			62,548
Total									175,449				175,449

CURRAM RESOURCES INC.

Plan : FLRI

Year : 1989

Batch Summary for Phase : B

Date : 19-May-89

Batch Material	January Tonnes Grade	February Tonnes Grade	March Tonnes Grade	April Tonnes Grade	May Tonnes Grade	June Tonnes Grade	July Tonnes Grade	August Tonnes Grade	September Tonnes Grade	October Tonnes Grade	November Tonnes Grade	December Tonnes Grade	Total Tonnes Grade
3630 Rock										31,307	83,438		114,745
Sulphide										6,491	66,161		72,652
Total Waste										37,777	151,598		189,375
L. G.										996 4.31	6,133 3.92		7,129 3.97
N. G.										402 5.76	17,931 5.68		18,333 5.68
N. G.										4,194 8.56	90,510 7.75		94,704 7.79
Total Ore										5,791 7.54	114,594 7.22		120,385 7.24
Total										43,588	265,192		309,780
3610 Rock											55,845	41,247	97,112
Sulphide											21,422	15,110	36,532
Total Waste											77,287	56,356	133,643
L. G.											5,791 3.98	12,200 3.97	17,991 3.97
N. G.											20,137 6.00	6,645 6.03	26,782 6.01
N. G.											216,489 8.88	89,642 9.03	306,331 8.92
Total Ore											242,617 8.52	108,487 8.28	351,104 8.45
Total											319,904	164,843	484,747
3390 Rock												62,159	62,159
Sulphide												114,825	114,825
Total Waste												176,984	176,984
L. G.												73,094 4.02	73,094 4.02
N. G.												51,207 5.41	51,207 5.41
N. G.												174,895 9.61	174,895 9.61
Total Ore												299,195 7.53	299,195 7.53
Total												476,179	476,179
Total Rock	0	0	0	0	0	0	0	0	42,824	456,463	141,303	103,406	743,996
Sulphide	0	0	0	0	0	0	0	0	0	32,453	87,583	129,935	249,971
Total Waste	0	0	0	0	0	0	0	0	42,824	488,916	228,895	233,340	993,963
L. G.	0	0	0	0	0	0	0	0	0	33,849	11,924	65,294	131,067
N. G.	0	0	0	0	0	0	0	0	0	33,431	38,088	57,852	129,371
N. G.	0	0	0	0	0	0	0	0	0	22,822	307,199	264,537	594,558
Total Ore	0	0	0	0	0	0	0	0	0	90,101	357,211	407,682	854,994
Total	0	0	0	0	0	0	0	0	42,824	579,017	584,096	641,022	1,848,959

TABLE 4 7 of 8

CURRASH RESOURCES INC.

Plan : FLR2

Year : 1989

Block Summary for Phase : E

Date 11/14/89

Block Material	January Tonnes Grade	February Tonnes Grade	March Tonnes Grade	April Tonnes Grade	May Tonnes Grade	June Tonnes Grade	July Tonnes Grade	August Tonnes Grade	September Tonnes Grade	October Tonnes Grade	November Tonnes Grade	December Tonnes Grade	Total Tonnes Grade
3710 Rock										125,783	88,716		214,499
Sulphide										0	0		0
Total Waste										125,783	88,716		214,499
L. G.										0 0.00	0 0.00		0 0.00
H. G.										0 0.00	0 0.00		0 0.00
S. G.										0 0.00	0 0.00		0 0.00
Total Ore										0 0.00	0 0.00		0 0.00
Total										125,783	88,716		214,499
3870 Rock											479,383		479,383
Sulphide											0		0
Total Waste											479,383		479,383
L. G.											0 0.00		0 0.00
H. G.											0 0.00		0 0.00
S. G.											0 0.00		0 0.00
Total Ore											0 0.00		0 0.00
Total											479,383		479,383
3830 Rock			362,332			1,285					174,331	330,853	868,801
Sulphide			0			0					0	0	0
Total Waste			362,332			1,285					174,331	330,853	868,801
L. G.			0 0.00			0 0.00					0 0.00	0 0.00	0 0.00
H. G.			0 0.00			0 0.00					0 0.00	0 0.00	0 0.00
S. G.			0 0.00			0 0.00					0 0.00	0 0.00	0 0.00
Total Ore			0 0.00			0 0.00					0 0.00	0 0.00	0 0.00
Total			362,332			1,285					174,331	330,853	868,801
3790 Rock												372,967	372,967
Sulphide												1,611	1,611
Total Waste												374,579	374,579
L. G.												0 0.00	0 0.00
H. G.												0 0.00	0 0.00
S. G.												1,284 6.63	1,284 6.63
Total Ore												1,284 6.63	1,284 6.63
Total												373,843	373,843
Total Rock	0	0	0	362,332	0	1,285	0	0	0	125,783	742,430	763,820	1,933,450
Sulphide	0	0	0	0	0	0	0	0	0	0	0	1,611	1,611
Total Waste	0	0	0	362,332	0	1,285	0	0	0	125,783	742,430	763,432	1,932,262
L. G.	0	0	0	0	0	0	0	0	0	0	0	0	0
H. G.	0	0	0	0	0	0	0	0	0	0	0	0	0
S. G.	0	0	0	0	0	0	0	0	0	0	0	1,284	1,284
Total Ore	0	0	0	0	0	0	0	0	0	0	0	1,284	1,284
Total	0	0	0	362,332	0	1,285	0	0	0	125,783	742,430	765,716	1,938,546

TABLE 4 8 of 8

/INTBL5

FARD PIT PRODUCTION SCHEDULE  
(t X 1000)  
YEAR 1990

JUNE 8, 1989

ALTERNATIVE 1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WASTE	986	951	1023	891	876	756	886	575	658	563	502	512	9183
TOTAL ORE	420	288	385	488	600	600	583	891	730	199	216	216	5615
Pb + Zn %	8.75	7.89	7.86	7.06	7.46	8.12	7.61	7.39	7.76	6.77	6.72	5.34	7.55
Pb %	3.46	3.18	3.23	3.00	2.82	3.38	2.79	2.65	2.85	2.42	2.52	1.80	2.90
Zn %	5.30	4.70	4.64	4.06	4.62	4.74	4.82	4.73	4.91	4.36	4.20	3.54	4.65
Ag g/t	43	39	37	37	34	46	28	30	31	26	24	18	34
Au g/t	0.19	0.20	0.14	0.15	0.12	0.10	0.11	0.09	0.09	0.11	0.08	0.07	0.12
HIGH GRADE	354	213	319	317	373	464	460	549	573	100	102	44	3869
Pb + Zn %	9.40	9.00	8.41	7.88	8.93	8.90	8.21	8.94	8.48	8.68	9.04	8.89	8.69
Pb %	3.78	3.55	3.41	3.32	3.44	3.76	2.95	3.25	3.17	3.32	3.56	3.50	3.38
Zn %	5.61	5.44	5.00	4.56	5.49	5.14	5.26	5.69	5.31	5.36	5.47	5.39	5.31
Ag g/t	47	43	37	39	38	50	27	35	34	32	30	38	38
Au g/t	0.20	0.22	0.13	0.13	0.11	0.11	0.10	0.08	0.08	0.13	0.11	0.03	0.12
MEDIUM GRADE	54	41	41	149	158	113	108	212	108	51	50	61	1146
Pb + Zn %	5.60	5.42	5.82	5.77	5.45	5.74	5.53	5.41	5.67	5.38	5.51	5.07	5.54
Pb %	1.82	2.37	2.48	2.52	2.08	2.18	2.28	1.91	1.79	1.51	1.92	1.58	2.06
Zn %	3.78	3.04	3.34	3.25	3.37	3.55	3.26	3.50	3.88	3.87	3.59	3.49	3.48
Ag g/t	21	36	39	34	31	33	34	24	22	15	21	17	28
Au g/t	0.12	0.11	0.16	0.21	0.18	0.12	0.12	0.11	0.15	0.13	0.06	0.05	0.13
LOW GRADE	12	35	28	22	69	23	15	130	50	45	64	111	600
SHOVELS	2	2	2	2	2	2	2	2	2	1	1	1	

TABLE 5

JUNE 12, 1989

FARD PIT  
 PRODUCTION SUMMARY 1990 ALTERNATIVE 1  
 MILLFEED STOCKPILES AND CONCENTRATES  
 (t X 1000)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOAL EXCAV	1406.2	1238.7	1410.9	1379.1	1476.7	1355.6	1469.2	1466.4	1389.3	759.8	717.4	728.5	14797.7
TOTAL WASTE	985.7	950.6	1026.0	891.3	876.6	755.9	886.4	574.9	658.6	562.9	501.7	512.1	9182.5
TOTAL ORE Pb & Zn %	420.5 8.75	288.1 7.89	384.9 7.86	487.9 7.06	600.1 7.46	599.7 8.12	582.8 7.61	891.5 7.39	730.7 7.76	196.9 6.77	215.8 6.72	216.4 5.34	5615.1 7.55
MEDIUM AND HIGH GRADE >5% Pb & Zn %	408.6 8.90	253.3 8.42	360.2 8.12	465.8 7.21	531.0 7.89	576.8 8.28	568.0 7.70	761.3 7.96	680.9 8.03	151.7 7.57	151.9 7.88	105.6 6.67	5014.9 7.97
STOCKPILE	1779.9	1714.1	1678.3	1776.1	1965.5	2175.1	2347.2	2835.5	3168.8	2962.7	2780.9	2594.4	
>7% Pb & Zn Pb & Zn %	148.6 9.4	80.2 9.0	37.8 9.7	0.0 0.0	45.5 11.2	188.6 9.5	268.0 8.9	494.2 8.9	728.1 8.7	511.8 8.6	301.8 8.3	188.3 7.8	
5 - 7% Pb & Zn Pb & Zn %	822.5 5.5	840.0 5.5	840.4 5.5	953.9 5.6	1108.7 5.5	1192.4 5.6	1278.8 5.6	1490.9 5.5	1598.7 5.6	1637.6 5.5	1677.9 5.5	1494.0 5.5	
4 - 5% Pb & Zn	808.8	783.9	800.1	822.2	811.3	794.1	800.4	850.6	842.0	813.3	801.2	912.1	
MILLFEED Pb & Zn %	410.8 8.0	364.0 8.1	410.8 8.1	390.0 7.9	410.8 7.8	390.0 8.2	410.8 8.1	403.0 8.1	397.5 8.0	405.0 8.1	397.5 8.1	403.0 7.0	4791.0 8.0
TOTAL CONC Pb CONC Pb % Pb REC % Zn CONC Zn % Zn REC %	49.4 18.2 59.2 80.8 31.2 49.6 79.1	43.9 16.2 59.9 80.1 27.7 49.6 78.5	48.6 17.4 60.5 79.4 31.2 49.6 77.9	44.8 16.9 60.5 79.7 27.9 49.6 77.4	48.2 16.8 59.4 80.0 31.4 49.6 79.2	47.4 18.1 59.6 80.6 29.3 49.6 78.0	49.2 15.9 60.0 78.2 33.4 49.6 78.4	48.9 17.3 58.7 79.7 31.7 49.6 78.8	47.7 16.2 59.2 79.1 31.4 49.6 78.7	48.4 16.4 59.8 79.7 31.9 49.6 79.3	47.9 16.5 59.9 79.7 31.4 49.6 79.1	40.7 14.4 60.7 78.2 26.3 49.6 77.2	565.1 200.4 59.8 79.6 364.7 49.6 78.5

TABLE 5A

VINTBL6

## FARD PIT PRODUCTION SCHEDULE

(t X 1000)

ALTERNATIVE 2

JUNE B. 1989

YEAR 1990

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WASTE	986	951	1026	891	877	756	886	484	626	623	503	528	9136
TOTAL ORE	420	288	385	488	600	600	582	498	347	359	431	423	5421
Pb + Zn %	8.75	7.89	7.86	7.06	7.46	8.12	7.61	6.39	7.23	7.82	7.45	6.76	7.52
Pb %	3.46	3.18	3.23	3.00	2.84	3.38	2.79	2.20	2.54	2.82	2.86	2.46	2.90
Zn %	5.30	4.70	4.64	4.06	4.62	4.74	4.82	4.19	4.69	4.99	4.59	4.30	4.63
Ag g/t	43	39	37	37	34	46	28	25	28	30	32	27	34
Au g/t	0.19	0.20	0.14	0.15	0.12	0.10	0.11	0.10	0.11	0.10	0.07	0.07	0.12
HIGH GRADE	354	213	319	317	373	464	460	213	211	250	295	229	3698
Pb + Zn %	9.40	9.00	8.41	7.88	8.93	8.90	8.21	8.54	8.74	9.08	8.67	8.61	8.69
Pb %	3.78	3.55	3.41	3.32	3.44	3.76	2.95	3.01	3.07	3.37	3.41	3.34	3.39
Zn %	5.61	5.44	5.00	4.56	5.49	5.14	5.26	5.53	5.67	5.71	5.26	5.28	5.30
Ag g/t	47	43	37	39	38	50	27	31	31	35	37	37	38
Au g/t	0.20	0.22	0.13	0.13	0.11	0.10	0.10	0.10	0.10	0.09	0.08	0.06	0.12
MEDIUM GRADE	54	41	41	149	157	113	107	163	83	64	70	82	1124
Pb + Zn %	5.60	5.42	5.82	5.77	5.45	5.74	5.54	5.35	5.47	5.50	5.56	5.25	5.53
Pb %	1.82	2.37	2.48	2.52	2.08	2.18	2.28	1.80	1.88	1.67	1.95	1.68	2.07
Zn %	3.78	3.04	3.34	3.25	3.37	3.55	3.26	3.55	3.59	3.83	3.61	3.57	3.46
Ag g/t	21	36	39	34	31	33	34	22	23	17	24	19	28
Au g/t	0.12	0.11	0.16	0.21	0.18	0.12	0.12	0.11	0.14	0.11	0.07	0.07	0.13
LOW GRADE	12	35	25	22	69	23	15	122	53	45	65	112	599
SHOVELS	2	2	2	2	2	2	2	1	1	1	1	1	1
LOADERS								1	1	1	1	1	1

TABLE 6

JUNE 12, 1989

FARO PIT  
 PRODUCTION SUMMARY 1990 ALTERNATIVE 2  
 MILLFEED, STOCKPILES AND CONCENTRATE  
 (t x 1000)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOAL EXCAV	1406.2	1238.7	1410.9	1379.1	1476.7	1355.6	1469.2	982.3	972.5	982.4	933.4	951.1	14558.0
TOTAL WASTE	985.7	950.6	1026.0	891.3	876.6	755.9	886.4	484.3	625.8	623.0	502.6	527.9	9135.9
TOTAL ORE	420.5	288.1	384.9	482.5	600.0	599.7	582.8	498.0	346.7	359.4	430.8	423.3	5422.1
Pb & Zn %	8.75	7.89	7.86	7.06	7.46	8.12	7.61	6.39	7.23	7.82	7.45	6.76	7.52
MEDIUM AND HIGH GRADE >5% Pb & Zn %	408.6	253.3	360.2	465.8	531.0	576.8	568.0	375.2	293.2	314.8	365.6	311.0	4822.0
Pb & Zn %	8.9	8.4	8.1	7.2	7.9	8.3	7.7	7.2	7.8	8.4	8.1	7.7	8.0
STOCKPILE	1779.9	1714.1	1678.3	1776.1	1965.5	2175.1	2347.2	2442.1	2391.3	2347.8	2381.1	2401.3	
>7% Pb & Zn	148.6	80.2	37.8	0.0	45.5	188.6	268.0	182.6	105.7	105.0	120.5	107.2	
Pb & Zn %	9.4	9.0	9.7	0.0	11.2	9.5	8.9	8.6	8.1	8.0	7.9	7.9	
5 - 7% Pb & Zn	822.5	840.0	840.4	953.9	1108.7	1192.4	1278.8	1336.4	1316.8	1230.2	1186.3	1107.7	
Pb & Zn %	5.5	5.5	5.5	5.6	5.5	5.6	5.6	5.5	5.5	5.5	5.4	5.4	
4 - 5% Pb & Zn	808.8	783.9	800.1	822.2	811.2	794.1	800.4	923.1	968.8	1012.6	1074.3	1186.4	
MILLFEED	410.8	364.0	410.8	390.0	410.8	390.0	410.8	403.0	397.5	403.0	397.5	403.0	4791.0
Pb & Zn %	8.0	8.1	8.1	7.9	7.8	8.2	8.1	8.0	8.0	7.9	7.9	7.5	8.0
TOTAL CONC	49.4	43.9	48.6	44.8	48.2	47.4	49.2	47.5	47.0	46.9	45.9	44.1	562.8
Pb CONC	18.2	16.2	17.4	16.9	16.8	18.1	15.9	16.7	16.2	16.2	16.5	15.8	200.8
Pb %	59.2	59.9	60.5	60.5	59.4	59.6	60.0	59.9	60.2	60.5	60.0	60.1	60.0
Pb REC%	80.8	80.1	79.4	79.7	80.0	80.6	78.2	79.0	79.0	79.2	79.2	78.7	79.5
Zn CONC	31.2	27.7	31.2	27.9	31.4	29.3	33.4	30.8	30.8	30.7	29.4	28.4	362.1
Zn %	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
Zn REC %	79.1	78.5	77.9	77.4	79.2	78.0	78.4	78.0	78.3	78.6	77.8	77.6	78.2

TABLE 6A

VINTBL7

FARD PIT PRODUCTION SCHEDULE

(t x 1000)

ALTERNATIVE 1

JUNE 8, 1989

YEAR 1991

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WASTE	475	419	521	240	412	159	250	272	266	113	20		3089
TOTAL ORE	250	233	185	438	243	514	452	431	453	523	29		3753
Pb + Zn %	6.53	7.97	6.69	7.50	6.66	7.76	7.55	7.67	9.38	9.16	9.45		7.90
Pb %	2.31	2.85	2.15	2.63	2.78	2.62	2.85	2.76	3.13	2.89	2.89		2.75
Zn %	4.22	5.12	4.54	4.87	3.89	5.14	4.70	4.91	6.25	6.27	6.56		5.16
Ag g/t	21	25	23	31	30	27	27	25	24	26	28		26
Au g/t	0.11	0.11	0.12	0.11	0.14	0.11	0.08	0.12	0.08	0.09	0.00		0.10
HIGH GRADE	99	151	85	220	119	318	352	334	373	413	20		2485
Pb + Zn %	9.54	9.60	9.41	9.95	8.24	9.39	8.29	8.59	10.31	10.20	11.26		9.43
Pb %	3.34	3.59	3.06	3.55	3.39	3.19	3.18	3.15	3.47	3.22	3.37		3.30
Zn %	6.20	6.01	6.36	6.40	4.85	6.20	5.12	5.44	6.84	6.99	7.89		6.13
Ag g/t	27	30	24	35	34	26	27	25	25	27	27		27
Au g/t	0.09	0.11	0.09	0.09	0.11	0.08	0.06	0.06	0.07	0.09	0.00		0.08
MEDIUM GRADE	60	59	31	152	91	150	74	36	53	79	8		793
Pb + Zn %	5.41	5.31	5.28	5.43	5.52	5.44	5.18	4.92	5.49	5.65	5.60		5.40
Pb %	1.71	1.57	1.68	1.87	2.37	1.78	1.82	1.60	1.71	1.84	1.88		1.84
Zn %	3.70	3.74	3.55	3.56	3.14	3.65	3.37	3.32	3.78	3.81	3.72		3.56
Ag g/t	16	15	18	31	29	28	25	26	23	24	30		25
Au g/t	0.09	0.12	0.13	0.12	0.15	0.17	0.18	0.28	0.08	0.10	0.00		0.14
LOW GRADE	91	22	69	66	33	47	26	60	27	31	1		475
SHOVELS	1	1	1	1	1	1	1	1	1	1	1		11

TABLE 7

JUNE 13, 1989

FARD PIT  
 PRODUCTION SUMMARY 1991 ALTERNATIVE 1  
 MILLFEED STOCKPILES AND CONCENTRATES  
 (t x 1000)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL EXCAV	725.7	651.7	706.7	678.3	655.6	673.6	703.1	703.7	659.4	636.4	48.4	0.0	6 842.5
TOTAL WASTE	475.5	419.1	521.5	239.8	412.2	159.1	250.5	272.6	206.3	113.3	19.8		3 089.7
TOTAL ORE	250.2	232.6	185.2	438.5	243.4	514.5	452.6	431.1	453.1	523.1	28.6	0.0	3 752.8
Pb & Zn %	6.53	7.97	6.69	7.50	6.66	7.76	7.55	7.67	9.38	9.16	9.45		7.90
MEDIUM AND HIGH GRADE >5%	158.7	209.7	116.1	372.2	210.6	467.6	426.7	370.6	426.1	491.7	27.7		3 277.6
Pb & Zn %	7.98	8.39	8.31	8.10	7.06	8.12	7.75	8.23	9.71	9.47	9.64		8.46
STOCKPILE	2 521.3	2 389.9	2 393.7	2 442.2	2 450.5	2 574.9	2 616.8	2 662.5	2 787.8	3 234.6	3 263.1	3 263.1	
>7% Pb & Zn	174.7	190.2	197.4	221.3	200.8	239.1	227.3	176.0	221.5	568.1	587.6	587.6	
Pb & Zn %	7.8	8.0	8.0	8.2	8.2	8.1	8.1	8.1	8.0	9.2	9.3	9.3	
5 - 7% Pb & Zn	1 343.0	1 177.7	1 139.7	1 257.8	1 274.3	1 331.5	1 392.8	1 429.3	1 482.1	1 550.8	1 558.9	1 558.9	
Pb & Zn %	5.5	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.4	5.4	5.4	5.4	
4 - 5% Pb & Zn	1 003.6	1 022.0	1 056.6	963.1	975.4	1 004.3	996.7	1 057.2	1 084.2	1 115.7	1 116.6	1 116.6	
MILLFEED	323.3	364.0	181.4	390.0	235.2	390.0	410.8	385.4	327.7	76.4	0.0	0.0	3 084.1
Pb & Zn %	7.0	7.2	7.0	7.2	7.0	8.4	7.8	8.5	10.7	10.3			8.6
TOTAL CONC	33 038.0	38 092.0	18 700.0	41 074.0	23 708.0	49 165.0	47 280.0	48 877.0	54 467.0	12 207.0	0.0	0.0	366 609.0
Pb CONC	11 529.0	13 811.0	5 979.0	13 410.0	8 870.0	15 395.0	15 780.0	15 685.0	15 966.0	3 412.0			119 837.0
Pb %	60.5	60.1	60.2	59.9	60.4	60.5	60.4	60.5	60.5	60.5			60.4
Pb REC %	78.2	78.7	77.1	77.8	78.2	78.9	78.3	78.8	80.8	79.8			78.7
Zn CONC	21 509.0	24 281.0	12 721.0	27 664.0	14 839.0	33 770.0	31 501.0	33 192.0	38 501.0	8 795.0			246 771.0
Zn %	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6			49.6
Zn REC %	77.8	77.8	78.0	78.0	76.3	79.4	78.0	79.0	82.2	82.1			79.0

TABLE 7A

VINTBLB

FARD PIT PRODUCTION SCHEDULE

(t X 1000)

ALTERNATIVE 2

JUNE 8, 1989

YEAR 1991

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL WASTE	519	423	521	240	412	159	250	272	206	113	20		3136
TOTAL ORE	430	247	185	438	243	514	452	431	453	523	29		3947
Pb + Zn %	7.31	7.99	6.69	7.50	6.66	7.76	7.55	7.67	9.38	9.16	9.45		7.93
Pb %	2.62	2.86	2.15	2.63	2.78	2.62	2.85	2.76	3.13	2.89	2.89		2.76
Zn %	4.69	5.13	4.54	4.87	3.89	5.14	4.70	4.91	6.25	6.27	6.56		5.17
Ag g/t	24	25	23	31	30	27	27	25	24	26	28		26
Au g/t	0.10	0.11	0.12	0.11	0.14	0.11	0.08	0.12	0.08	0.09	0.00		0.10
HIGH GRADE	258	164	85	220	119	318	352	334	373	413	20		2656
Pb + Zn %	9.04	9.53	9.41	9.95	8.24	9.39	8.29	8.59	10.31	10.20	11.26		9.38
Pb %	3.26	3.56	3.06	3.35	3.39	3.19	3.18	3.15	3.47	3.22	3.37		3.29
Zn %	5.78	5.97	6.36	6.40	4.85	6.20	5.12	5.44	6.84	6.99	7.89		6.09
Ag g/t	28	30	24	35	34	26	27	25	25	27	27		28
Au g/t	0.08	0.11	0.09	0.09	0.11	0.08	0.06	0.06	0.07	0.09	0.00		0.08
MEDIUM GRADE	79	60	31	152	91	150	74	36	53	78	8		814
Pb + Zn %	5.56	5.33	5.28	5.43	5.52	5.44	5.18	4.92	5.49	5.65	5.60		5.42
Pb %	11.74	1.58	1.68	1.87	2.37	1.78	1.82	1.60	1.71	1.84	1.88		1.84
Zn %	3.81	3.76	3.55	3.56	3.14	3.65	3.37	3.32	3.78	3.81	3.72		3.58
Ag g/t	18	15	18	31	29	28	25	26	23	24	30		25
Au g/t	0.11	0.12	0.13	0.12	0.15	0.17	0.18	0.28	0.08	0.10	0.00		0.14
LOW GRADE	93	23	69	66	33	47	26	60	27	31	1		476
SHOVELS	1	1	1	1	1	1	1	1	1	1	1		11
LOADERS	1	1											11

TABLE 6

JUNE 13, 1989

FARD FIT  
 PRODUCTION SUMMARY 1991 ALTERNATIVE 2  
 MILLFEED STOCKPILES AND CONCENTRATES  
 (t x 1000)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
TOAL EXCAV	948.3	669.8	706.7	678.3	655.6	673.6	703.1	703.7	659.4	636.4	48.0	0.0	14797.7	
TOTAL WASTE	518.7	422.6	521.5	239.8	412.2	159.1	250.6	272.6	206.3	113.3	19.8	0.0	3136.4	
TOTAL DRE Pb & Zn %	429.6 7.31	247.2 7.99	185.3 6.69	438.5 7.50	243.4 6.66	514.5 7.76	452.6 7.55	431.1 7.67	453.2 9.38	523.1 9.16	28.6 9.45	0.0	3946.9 7.93	
MEDIUM AND HIGH GRADE >5% Pb & Zn %	337.1 8.22	224.2 8.41	116.1 8.31	372.2 8.10	210.6 7.06	467.6 8.12	426.7 7.75	370.6 8.23	426.1 9.71	491.7 9.48	27.7 9.64		3470.5 8.45	
STOCKPILE	1212.2	1121.7	1108.7	1011.2	1021.4	979.2	996.7	1057.2	1084.2	1115.7	1116.6	1116.6		
>7% Pb & Zn Pb & Zn %	108.1 7.9	129.2 8.3	135.3 8.1	159.2 8.3	138.2 8.3	178.4 8.3	143.3 8.3	112.4 8.3	158.2 8.1	500.8 9.4	520.3 9.5	520.3 9.5		
5 - 7% Pb & Zn Pb & Zn %	1099.9 5.4	1097.1 5.3	1118.3 5.3	1234.4 5.3	1250.9 5.3	1388.2 5.4	1449.4 5.3	1485.9 5.3	1538.8 5.3	1607.5 5.4	1615.6 5.4	1615.6 5.4		
4 - 5% Pb & Zn	1212.2	1121.7	1108.7	1011.2	1021.4	979.2	996.7	1057.2	1084.2	1115.7	1116.6	1116.6		
MILLFEED Pb & Zn %	340.2 7.9	151.0 9.2	80.2 9.0	256.1 8.8	216.7 6.7	292.0 9.4	373.8 8.1	334.1 8.6	327.4 10.7	76.4 10.3	0.0	0.0	2447.9 8.8	
TOTAL CONC Pb CONC Pb % Pb REC % Zn CONC Zn % Zn REC %	45.3 15.0 60.4 78.2 30.3 49.6 78.2	33.7 12.2 58.5 79.7 21.5 49.6 79.4	18.3 6.0 58.1 79.2 12.3 49.6 80.5	43.1 14.3 59.0 78.9 28.8 49.6 79.2	24.0 8.9 60.4 78.1 15.1 49.6 76.3	46.1 14.2 60.5 78.4 31.9 49.6 79.1	48.9 16.2 60.4 78.5 32.7 49.6 78.3	46.5 14.8 60.4 78.7 31.8 49.6 79.1	54.1 15.8 60.6 80.7 38.3 49.6 82.1	12.9 3.6 60.2 83.7 9.3 49.6 86.5		0.0	0.0	372.8 120.9 60.0 79.0 251.9 49.6 79.5

VINTBL9

JUNE 7, 1989

HAULING 1989

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRUCK HOURS (170 t trucks)										
WASTE	2214.1	1729.2	4381.2	3869.2	3688.7	2699.3	1756.8	2712.1	2140.1	25191.7
DRE	1791.2	3054	2708.5	1974.9	1404.3	1735	1203.5	1513.8	1619.3	17004.4
TOTAL	4006.3	4783.2	7089.7	5844.1	5093	4434.2	2960.4	4225.9	2759.4	42196.2
SHOVEL HOURS	864	965	1560	1334	1202	1028	804	1040	1072	9875
170 TRUCK HOURS	4006.3	4500	4500	4500	4500	4434.2	2960.4	4225.9	3759.4	37386.2
120 TRUCK HOURS		393	3597	1867	824					6681
TOTAL TRUCK HOURS	4006.3	4893	8097	6367	5324	4434.2	2960.4	4225.9	3759.4	44067.2
AVG. TRUCKS/SHOVEL	4.64	5.07	5.2	4.78	4.42	4.31	3.68	4.06	3.51	4.46

TABLE 9

VINTBL10

JUNE 7, 1989

HAULING 1990  
ALTERNATIVE 1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRUCK HOURS (170 t trucks)													
WASTE	2670.7	2722.8	2876.3	2530.7	2708.4	2476.8	3042.0	1985.8	2285.0	2072.1	1544.2	1420.8	28 335.5
ORE	1593.8	1018.9	1440.8	1808.7	2254.6	2254.3	2159.2	3209.9	2693.8	750.0	805.6	453.7	20 734.4
TOTAL	4264.5	3741.6	4317.1	4339.4	4963.0	4722.1	5201.3	5195.7	4978.8	2822.1	2349.8	2174.6	49 070.0
SHOVEL HOURS	1072	970.0	1072.0	1040.0	1072.0	1040.0	1072.0	1072.0	999.9	536.0	520.0	536.0	11 001.9
AVG. TRUCKS/SHOVEL	3.98	3.86	4.03	4.17	4.63	4.54	4.85	4.85	4.98	5.27	4.52	4.06	4.46

TABLE 10

JINTBL11

JUNE 13. 1989

HAULING 1990  
ALTERNATIVE 2

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRUCK HOURS (170 t trucks)													
WASTE	2670.7	2722.8	2876.3	2530.7	2708.4	2476.8	3042.1	1813.7	2153.6	2182.2	1523.7	1461.4	28162.3
DRE	1593.8	1018.9	1440.8	1808.7	2254.6	2254.3	2155.4	1673.8	1207.0	1336.9	1582.4	1500.6	19818.3
TOTAL	4264.5	3741.6	4317.1	4339.4	4963.0	4722.1	5197.3	3487.5	3360.6	3519.1	3106.1	2962.0	47980.6
SHOVEL HOURS	1072	972.0	1072.0	1041.0	1071.0	1041.0	1070.0	803.0	781.0	803.0	779.0	803.0	11308.0
AVG. TRUCKS/SHOVEL	3.98	3.85	4.03	4.16	4.63	4.53	4.85	4.34	4.30	4.38	3.99	3.69	4.24

TABLE 11

VINTBL12

JUNE 7, 1989

HAULING 1991  
ALTERNATIVE 1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRUCK HOURS (170 t trucks)													
WASTE	1246.4	1049.0	1279.7	625.3	1003.4	498.6	722.4	803.6	681.3	458.2	97.9		8465.6
ORE	971.9	1021.2	790.5	1768.7	987.0	2295.3	2038.4	1915.9	2130.4	2609.6	145.5		16674.4
TOTAL	2218.2	2070.1	2070.2	2394.0	1990.4	2793.8	2760.8	2719.5	2811.7	3067.8	243.4		25140.0
SHOVEL HOURS	536	485.0	536.0	520.0	536.0	520.0	536.0	536.0	520.0	536.0	41.3		5302.3
AVG. TRUCKS/SHOVEL	4.14	4.27	3.86	4.60	3.71	5.37	5.15	5.07	5.41	5.72	5.89		4.74

TABLE 12

VINTBL13

JUNE 8. 1989

HAULING 1991  
ALTERNATIVE 2

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TRUCK HOURS (170 t trucks)													
WASTE	1406.2	1034.2	1260.9	625.3	1003.4	498.6	703.3	795.6	681.3	458.2	97.9		7 933.5
ORE	1619.9	906.8	661.8	1795.9	987.0	2295.3	2038.4	1915.9	2130.4	2609.6	145.5		15 304.6
TOTAL	3026.2	1935.0	1922.6	2421.1	1990.4	2793.8	2741.7	2711.5	2811.7	3067.8	243.4		23 238.2
SHOVEL HOURS	804	506.8	536.0	520.0	536.0	520.0	536.0	536.0	520.0	536.0	41.3		5 592.1
AVG. TRUCKS/SHOVEL	3.76	3.82	3.59	4.66	3.71	5.37	5.12	5.06	5.41	5.72	5.89		4.16

TABLE 13

## ANNEXES

### FARO-PIT

1. RESERVE CALCULATION AT APRIL 1, 1989 BY BENCH - P.C. MINE
2. RESERVE CALCULATION AT APRIL 1, 1989 BY POLYGONS - MAXIFLAN
3. PRODUCTION SCHEDULE BY SHOVELS AND MONTH (ALT 1 AND 2)
4. PRODUCTION SCHEDULE BE MONTH - QUALITIES AND QUANTITIES  
(ALT 1 AND 2)
5. MILLFEED AND CONCENTRATE 1989
6. MILLFEED AND CONCENTRATE 1990 (ALT 1 AND 2)
7. MILLFEED AND CONCENTRATE 1991 (ALT 1 AND 2)
8. HAULING - SHOVEL HOURS AND TRUCK HOURS 1989
9. HAULING - SHOVEL HOURS AND TRUCK HOURS 1990 (ALT 1 AND 2)
10. HAULING - SHOVEL HOURS AND TRUCK HOURS 1991 (ALT 1 AND 2)