

006568

T A B L E O F C O N T E N T S

1.0	INTRODUCTION
2.0	EXISTING EQUIPMENT AND INFRASTRUCTURE
3.0	DISTRICT GEOLOGY
3.1	FARO GEOLOGY AND RESERVES
3.2	GRUM GEOLOGY AND RESERVES
3.3	VANGORDA GEOLOGY AND RESERVES
3.4	OTHERS GEOLOGY AND RESERVES
4.0	METALLURGY
5.0	MINE DESIGN AND MINING RESERVES
6.0	MINING PLAN
7.0	MILLING PLAN
8.0	REQUIRED INFRASTRUCTURE
9.0	OPERATING EQUIPMENT
10.0	MANPOWER
11.0	LONG TERM

1.0 INTRODUCTION

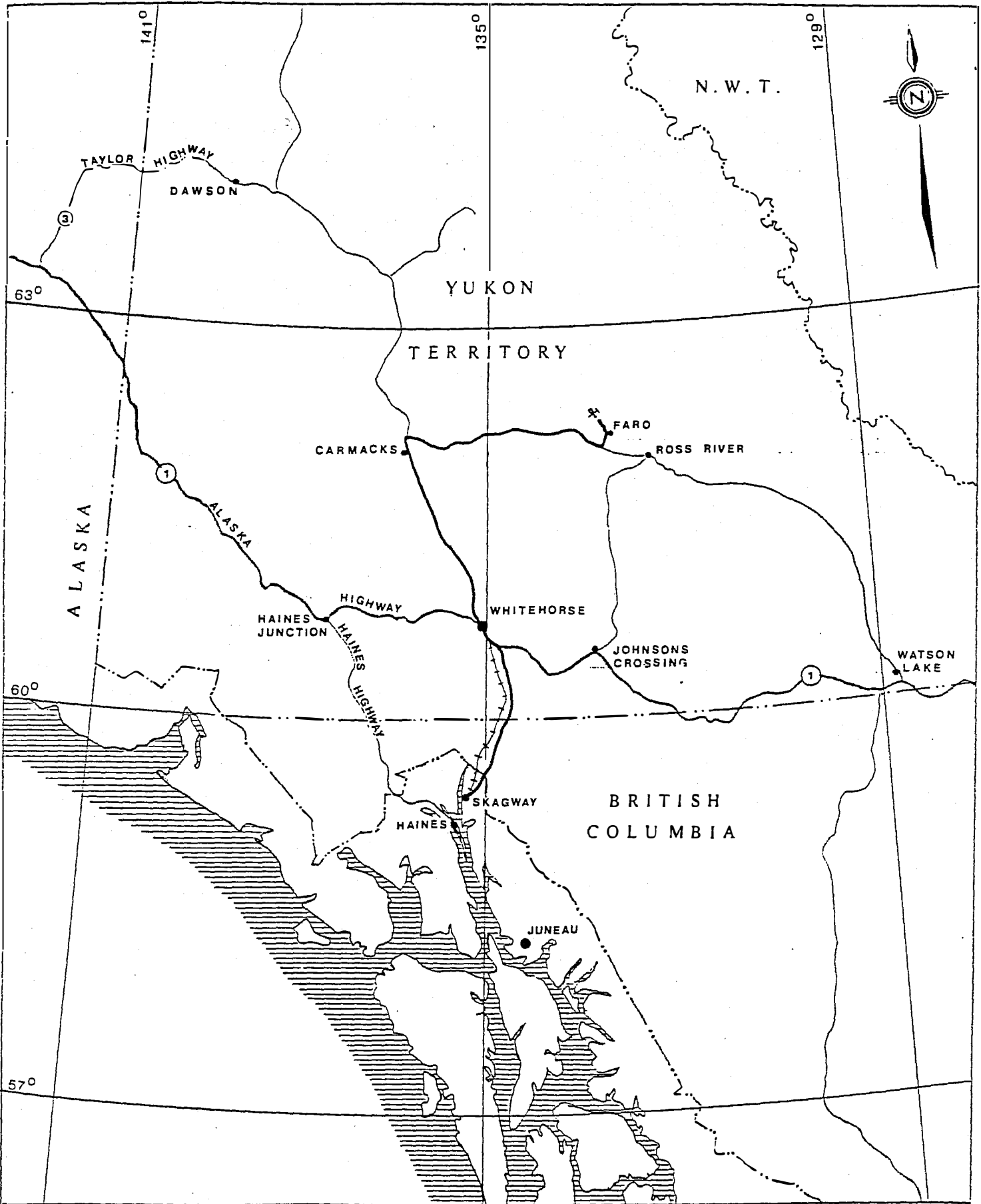
Curragh's Faro mine is located in the Anvil Range, 200 km northeast of Whitehorse, Yukon, Canada.

Access is by all weather highway linking the minesite to tidewater at Skagway, Alaska, USA. Skagway is 520 km by road from the minesite; Whitehorse is 380 km.

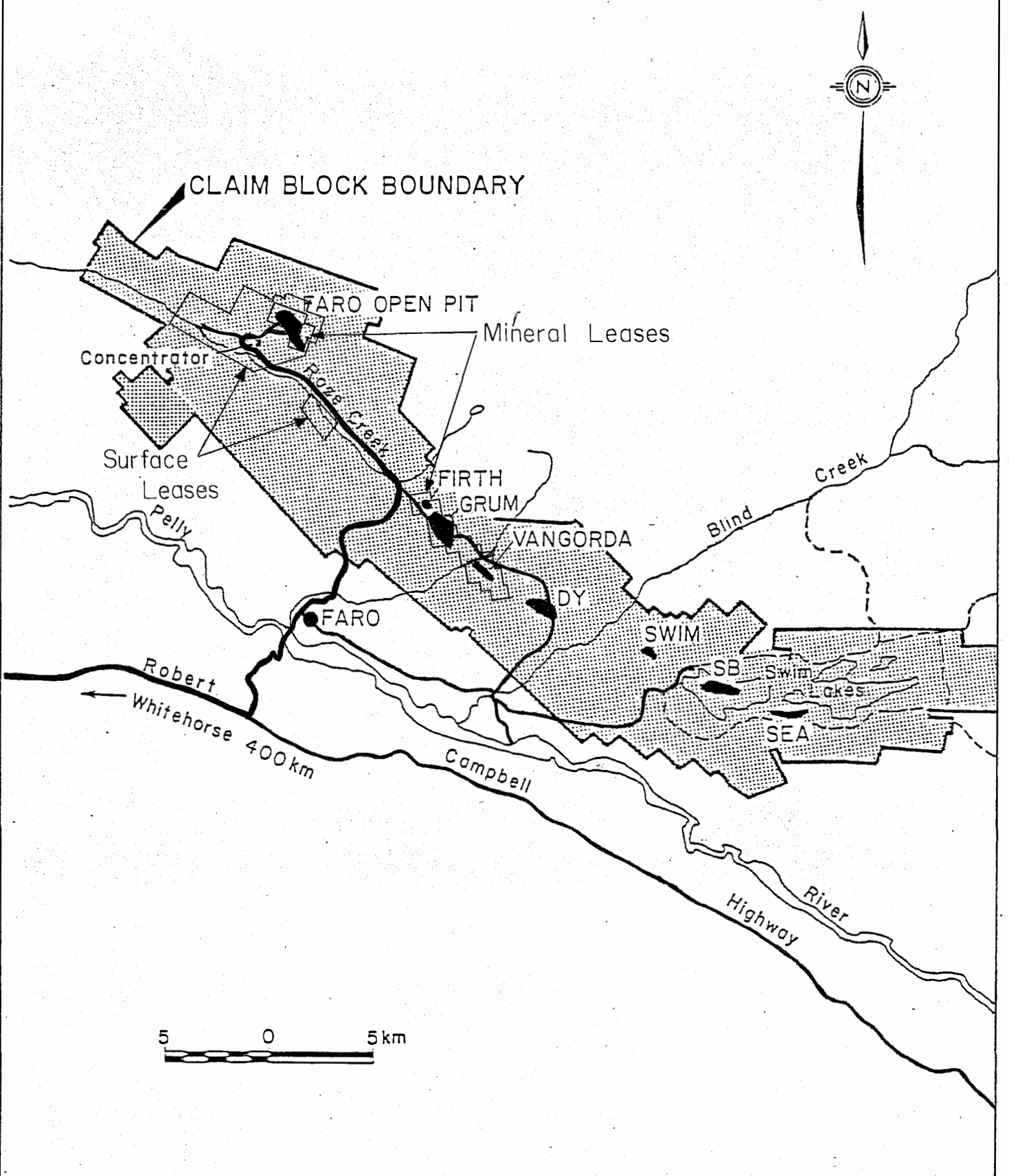
The town of Faro (population approximately 1700), 25 km by road from the mine, houses the mine employees.

Curragh controls 2187 claims and leases (42,500 hectares) in the Anvil Range; there are five known lead-zinc deposits on the claim block and several other showings.

Curragh purchased the idle Faro mine and other properties in November 1985; waste stripping resumed in January 1986 and concentrate shipments began in July 1986.



TITLE: FARO AREA DEPOSITS LOCATION PLAN		SECTION:	
KILBORN ENGINEERING (B.C.) LTD.		AREA NO:	REV. NO:
CLIENT: CURRAGH RESOURCES FARO, YUKON	PROJECT NO: 3509-19	DRAWING NO:	A
APPROVED:	DATE: MAR 3/87	FIGURE 1	



TITLE: FARO AREA DEPOSITS MINERAL CLAIM MAP		SECTION:	
KILBORN ENGINEERING (B.C.) LTD.		AREA NO:	REV. NO:
CLIENT: CURRAGH RESOURCES FARO, YUKON	PROJECT NO: 3509-19	DRAWING NO:	
APPROVED:	DATE: MAR 3/87	FIGURE 2	A

2.0 EXISTING INFRASTRUCTURE AND MANPOWER

Standard/Traditional Mining Equipment

- Cable Shovels
- Diesel-Electric Trucks
- Electric Rotary Drills
- L-800 Front End Loaders
- Crawler and Rubber Tired Support Equipment

Standard proven Crushing/Grinding/Flotation Mill

- Gyratory Primary Crusher
- Cone Secondary/Short Head Secondary Crushers
- Ball/Rod Grinding Mills
- Flotation
- Thickeners
- Coal-fired Dryers
- Tailings Pond

Developed town, airport and all-weather roads.

All Canadian manpower readily available.

Hydro readily available.

Road Transport system in place.

- Concentrate
- Backhaul supplies and fuel oil

Good working relationship with public and Government

3.0 DISTRICT GEOLOGY

- World class lead-zinc district with remaining geologic reserves of 91 million tonnes averaging 9.4% Pb + Zn and 58 g/t Ag.
- Five lead-zinc-silver bearing stratiform pyritic massive sulphide deposits hosted by lower Paleozoic metasedimentary rocks.
- Deposits consist of one to five highly folded layers generally 10 to 40 m. thick.
- Layers consist of upper and central massive sulphide ore types with lower and peripheral quartz rich disseminated ore types.
- Ore types have differing metallurgical performance, physical properties and grades.

FEBRUARY 25, 1987
DESCRIPTION

1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000

VANGORD CREEK DIVERSION-WATER BOARD APPROVAL

CONDUCT BASELINE ENVIRONMENTAL STUDIES

FARO PIT:

PHASE-AY-ORE MINING
RELEASE MARION SHOVEL TO DY-WASTE STRIPPING
PHASE-BZ-WASTE/ORE MINING
RELEASE P&H 2100 SHOVEL TO VANGORDA PIT
PHASE-CZ-WASTE/ORE MINING
RELEASE P&H SHOVEL TO GRUM STAGE I
PHASE-DY-WASTE/ORE MINING
RELEASE MARION SHOVEL TO VANGORDA PIT
RELEASE P&H 2100 SHOVEL TO GRUM PIT

FARO UNDERGROUND:

DEVELOPMENT-DECLINE
ORE PRODUCTION
UNDERGROUND COMPLETED

INFRASTRUCTURE:

25 KV POWERLINE TO VANGORDA COMPLETE
ROSE CREEK CROSSING **FOOTNOTE 1**
VANGORDA PLATEAU HAUL ROAD **FOOTNOTE 2**
VANGORDA PLATEAU MAINTENANCE SHOPS

VANGORDA PLATEAU FUEL/LUBE STATION

SITE PREPARATION:

TREE REMOVAL/GRUB VANGORDA
DEWATER OVERBURDEN VANGORDA
VANGORDA CREEK DIVERSION/DAM
TREE REMOVAL/GRUB GRUM
DEWATER OVERBURDEN GRUM

VANGORDA PIT:

INITIAL OVERBURDEN REMOVAL BY SCRAPERS
ORE/WASTE MINING

GRUM PIT:

STAGE I
STAGE II

STAGE III

LOW GRADE ORE STOCKPILES:
MILLING OF LOW GRADE ORES

VANGORDA GRUM

PHASE-AY COMPLETE

PHASE-BZ C MPLETED

PHASE-CZ C MPLETED

PHASE-DY / FARO PIT COMPLETED

VANGORDA PIT COMPLETED

GRUM STAGE I COMPLETED

GRUM STAGE II COMPLETED

GRUM STAGE III COMPLETED

PROJECT COMPLETED

FOOTNOTE 1- ACCESS REQUIRED FOR SHOVEL MOVE FROM FARO TO VANGORDA PIT

FOOTNOTE 2- ROAD REQUIRED FOR VANGORDA ORE HALLAGE

▲ LATEST IMPLEMENTATION DATE

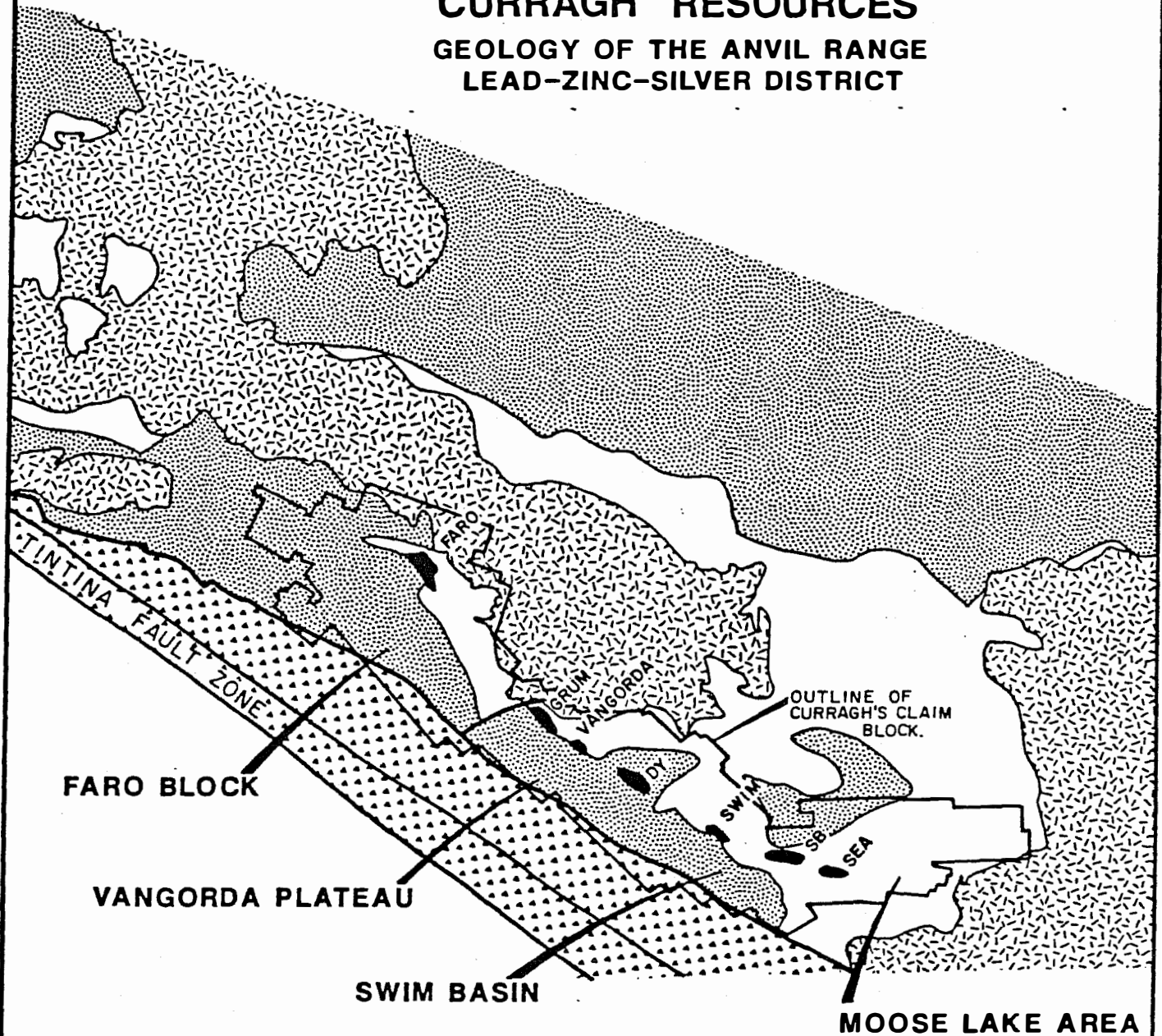
KILBORN

DRAFT
SCHEDULE

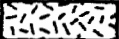





FIGURE: 3
CURRAGH RESOURCES
FARO-AREA DEPOSITS STUDY
IMPLEMENTATION, EVENTS & ACTIVITIES

CURRAGH RESOURCES

GEOLOGY OF THE ANVIL RANGE LEAD-ZINC-SILVER DISTRICT



LEGEND:

- CRETACEOUS
-  ANVIL BATHOLITH: granite, granodiorite
- PALEOZOIC and MESOZOIC
-  YUKON TANNANA TERRANE and related units
- CAMBRIAN to PERMIAN
-  VANGORDA FORMATION and younger formations
-undifferentiated sedimentary and volcanic rocks
- EARLY CAMBRIAN
-  MT. MYE FORMATION: non-calcareous phyllite and schist
-  SULPHIDE DEPOSIT
-  FAULT

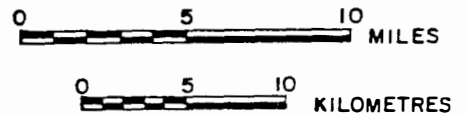


FIGURE 4

3.1 Faro Geology and Reserves

- Three major ore types:
 - BG: Massive to disseminated pyrite, sphalerite and galena in quartz or barite gangue
 - A: Disseminated pyrite, sphalerite and galena in carbonaceous quartz gangue
 - H: Massive, fine grained, pyrrhotite, pyrite, sphalerite and galena

- Deposit flat lying to gently southwest dipping, up to 40 m. thick. Strongly layered with respect to ore type and grade.

- Several major faults especially in area of 1986 production.

- External contacts sharp with barren phyllite. Internal contacts of ore with low grade or barren sulphides are gradational and difficult to define especially in northeast parts of deposit.

- Geologic reserves at start of 1986 were 29.3 million tonnes 3.13% Pb, 5.03% Pb, 5.03% Zn, 40.8 g/t Ag (4% Pb + Zn cutoff, undiluted) 1.8 million tonnes of which was mined in 1986.

- Southwest of present open pit plan is an area delineated for underground mining. Geologic reserves are 2.63 million tonnes averaging 5.0% Pb, 7.7% Zn, 69 g/t Ag (undiluted, 9% cutoff) in two zones.

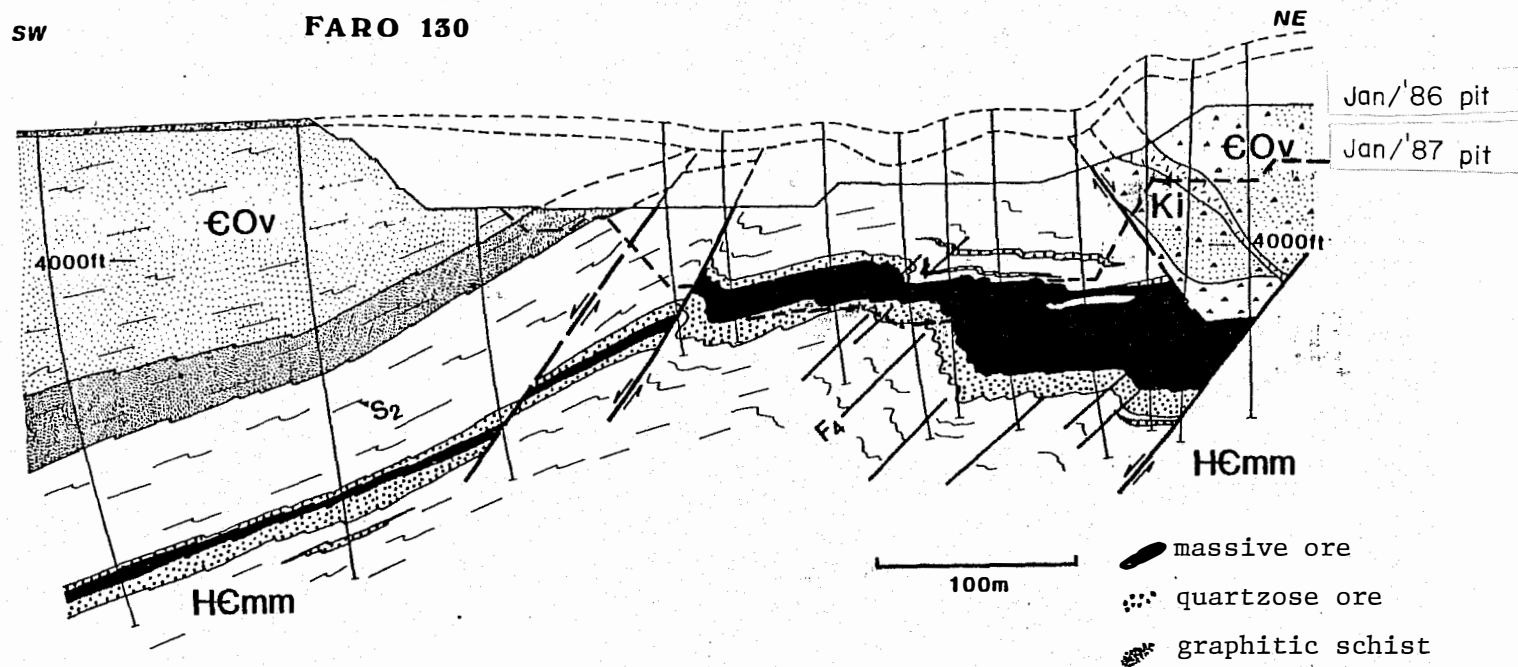


Figure 5. Cross section 130 through the southeast end of Zone 3. The pit outline is as of the June 1982 suspension of mining. The deep sulphides at the southwest end of the section are part of the area of proposed underground mining.

3.2 Grum Geology and Reserves

- Structurally more complex than Faro.
- Several distinct horizons separated by barren phyllite.
- Higher grade than Faro especially in precious metals, Gold is 8 to 10 times higher than Faro.
- Thick glacial overburden covers Northwest part of deposit.
- Massive ores are considerably finer grained than Faro with more complex mineral intergrowth.
- Geologic Reserves for main part of deposit (4% Pb + Zn cutoff, undiluted) are:
30.6 million tonnes 3.4% Pb, 5.6% Zn, 57 g/t Ag, 0.95 g.t Au.

Additionally the Champ Zone contains 1.7 million tonnes 3.5% Pb, 4.3% Zn, 46 g/t Ag.

And there is further tonnage potential of 5 to 10 million tonnes down plunge to the northwest not yet drilled off.

- Current reserves have been calculated from base principles by Curragh; results are consistent with reserves completed previously by Cyprus Anvil.
- Only main deposit reserves considered proven. More drilling needed to extend reserves.

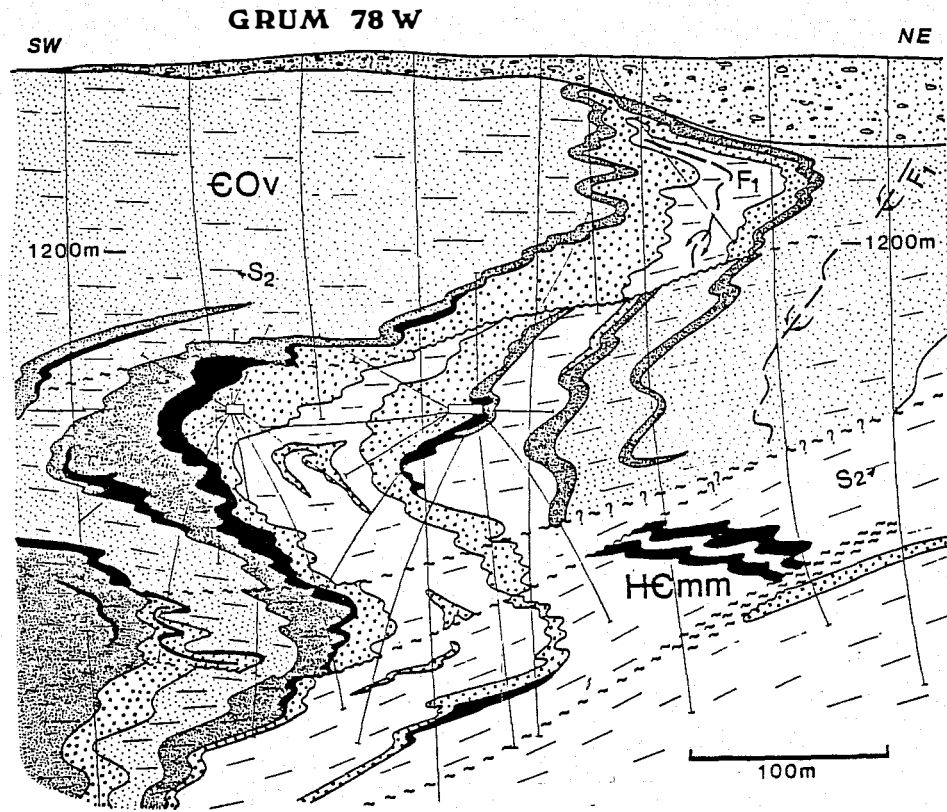



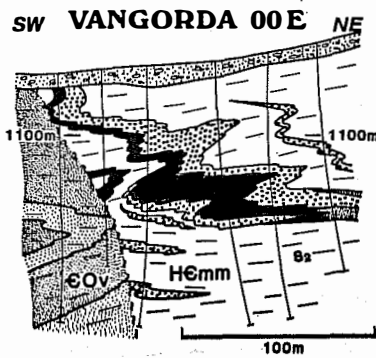





Figure 6. Cross section 78 W through the Grum deposit. The section is close to the northwest limit beyond which the high grade massive sulphides near the underground workings cannot be mined by open pit methods because of high stripping requirements. This ore would be left for underground followup not included in the current mine plan.

-  massive ore
-  quartzose ore
-  graphitic phyllite

3.3 Vangorda Geology and Reserves

- Similar to Grum but smaller and shallower.
- Most ore is high grade baritic massive sulphides, little "A" type.
- Some evidence of oxidation of Vangorda ores particularly in the southeast end of deposit.
- Geologic reserves (4% cutoff, no dilution) are:
7.5 million tonnes 3.8 Pb, 4.9% Zn, 53 g/t Ag, 0.69 g/t Au.
- Reserves considered probable, more drilling required.
- Gold enriched (1 g/t) zone, underlies lead- zinc zone.



-  massive ore
-  quartzose ore
-  graphitic phyll.

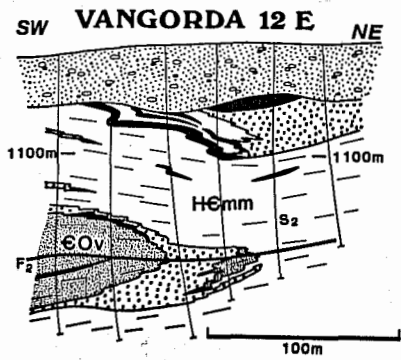


Figure 7. Cross sections through the Vangorda deposit. Note the difference in size and depth of burial between Vangorda and the other deposits

3.4 Other Reserves in District

- There are two additional deposits, DY and Swim, as well as further exploration potential.
- DY deposit has geologic reserves (9% Pb + Zn cutoff, no dilution) of:

21.0 million tonnes 5.5% Pb, 6.7% Zn, 84 g/t Ag, 0.95 g/t Au.
- DY is very deep (500 m to top) and drilled from surface only; underground exploration program required at DY. Reserves considered possible only. Deposit open to southwest and southeast.
- Much DY ore is high grade massive sulphide. Deposit will be similar to Grum in other respects.
- Swim deposit geologic reserves (6% Pb + Zn cutoff, undiluted) are:

4.3 million tonnes 3.8% Pb, 4.7% Zn, 51 g/t Ag.
- Reserves considered probable.
- Swim is similar to Grum but smaller and lower grade.

- Exploration potential still exists on Vangorda Plateau where blind fold noses could contain another Vanagorda sized deposit and extensions to Grum and DY are indicated.
- In Swim basin there is potential for open pit ore remaining as well as deeper possibilities.
- Northwest of Faro more exploration is needed.

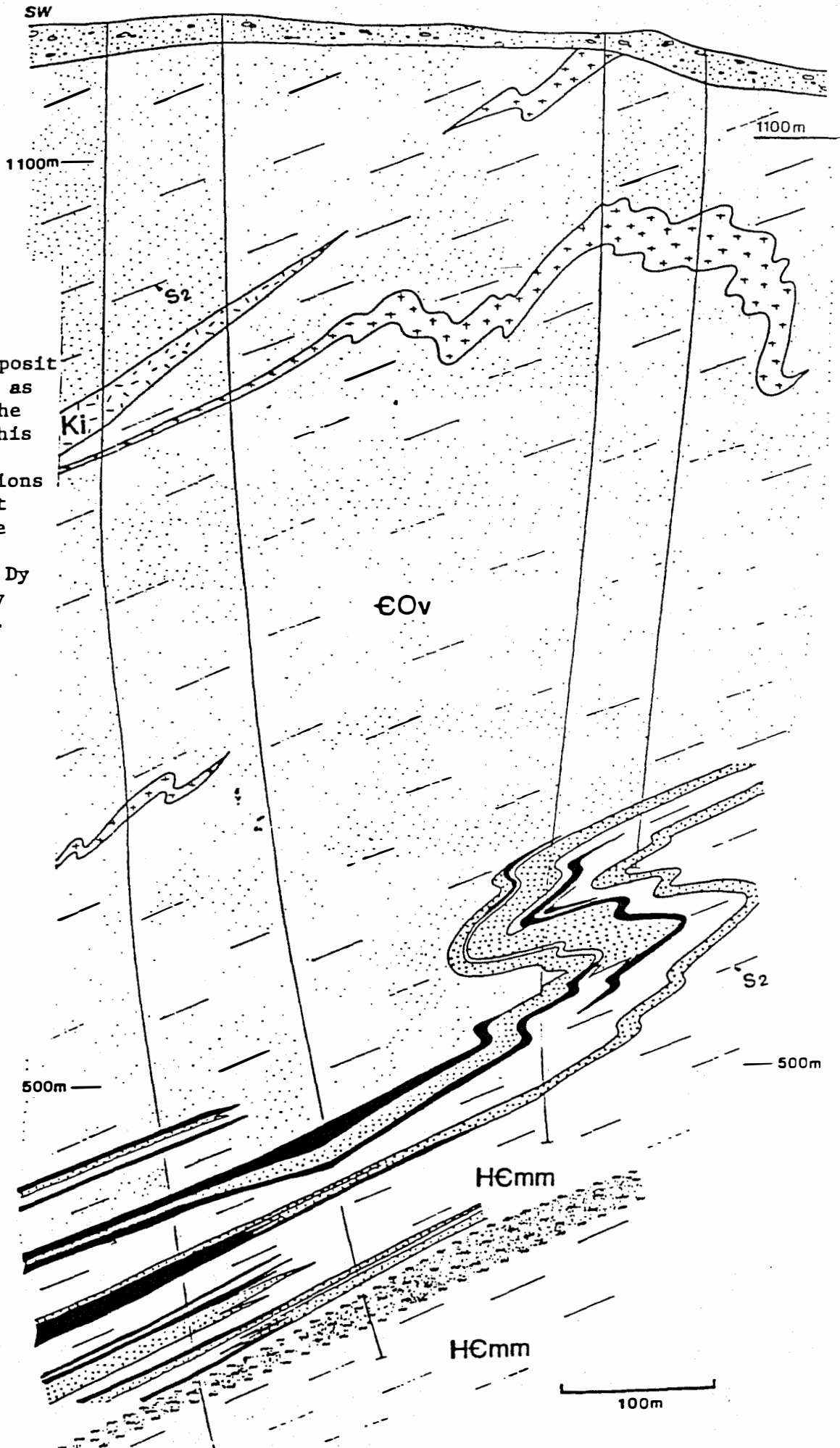
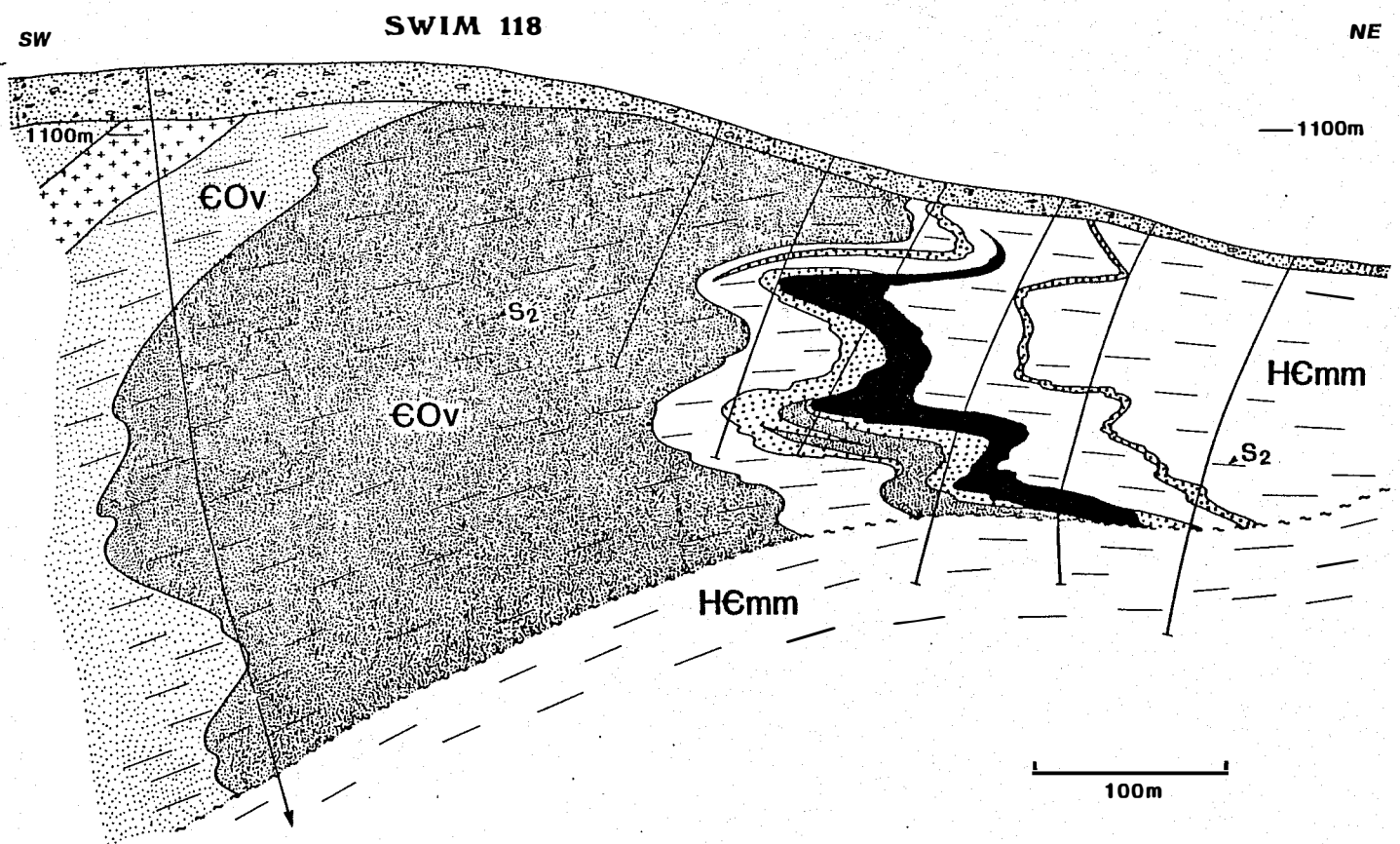


Figure 8

Schematic section through the DY deposit at the same scale as the sections of the other deposits. This is not one of the best drilled sections of the deposit but it illustrates the relative paucity of information at Dy and the difficulty of obtaining more.







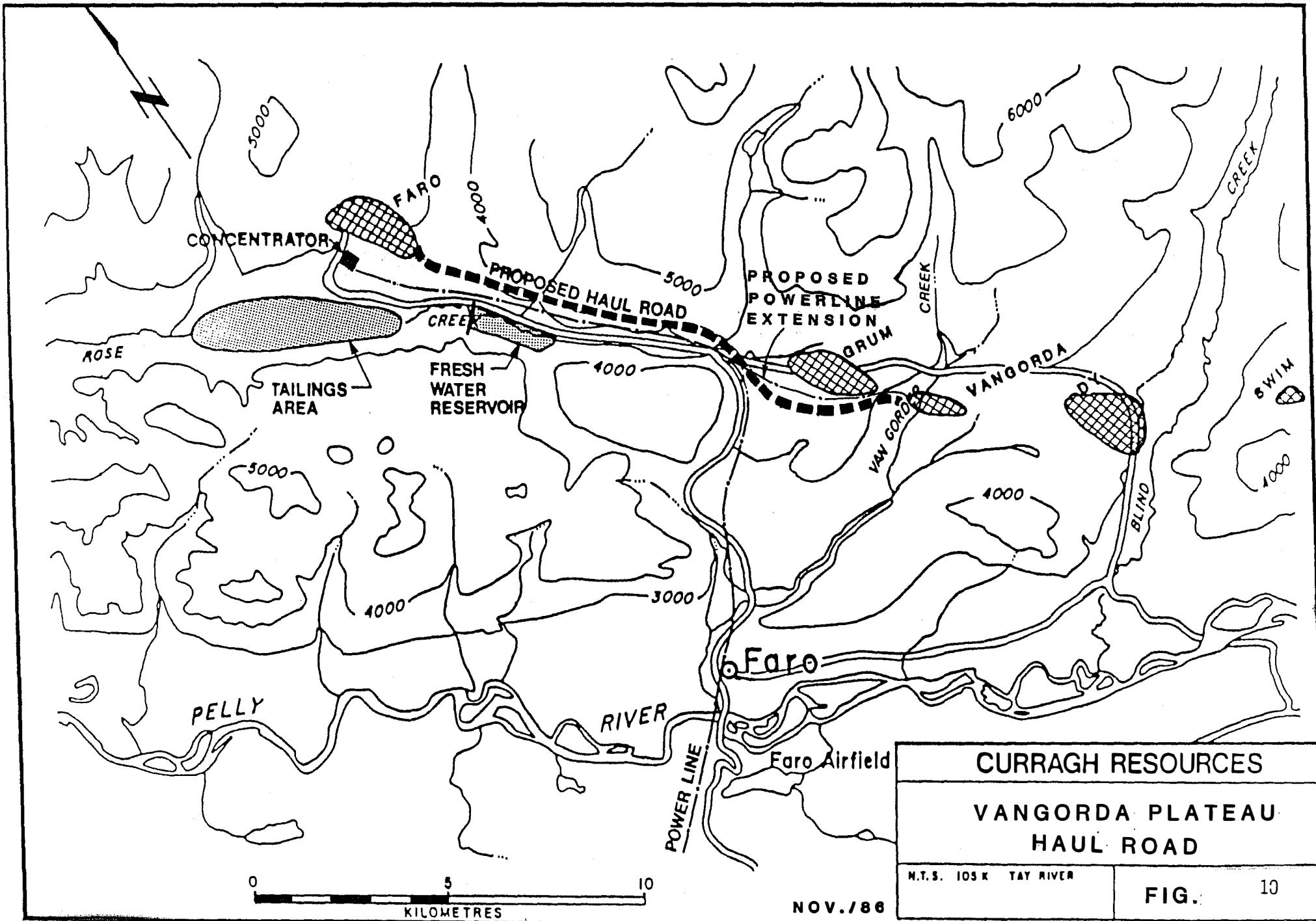
- massive ore 
- quartzose ore 
- graphitic phyll 
- metabasite 

Figure 9. Cross section 118 through the center of the Swim deposit



CURRAGH RESOURCES	
VANGORDA PLATEAU HAUL ROAD	
M.T.S. 105 K TAY RIVER	FIG. 10
NOV. /86	

4.0 METALLURGY

- Recoveries based on current experience for Faro ore, and on CAMC testwork for Vangorda Plateau ore.

- Average Recoveries are:

	Lead	Zinc	Silver	Gold
Faro	74.5	79.6	52.2	0
Vangorda Plateau	79.8	82.8	65.2	32.9
All	77.8	81.6	61.0	30.4

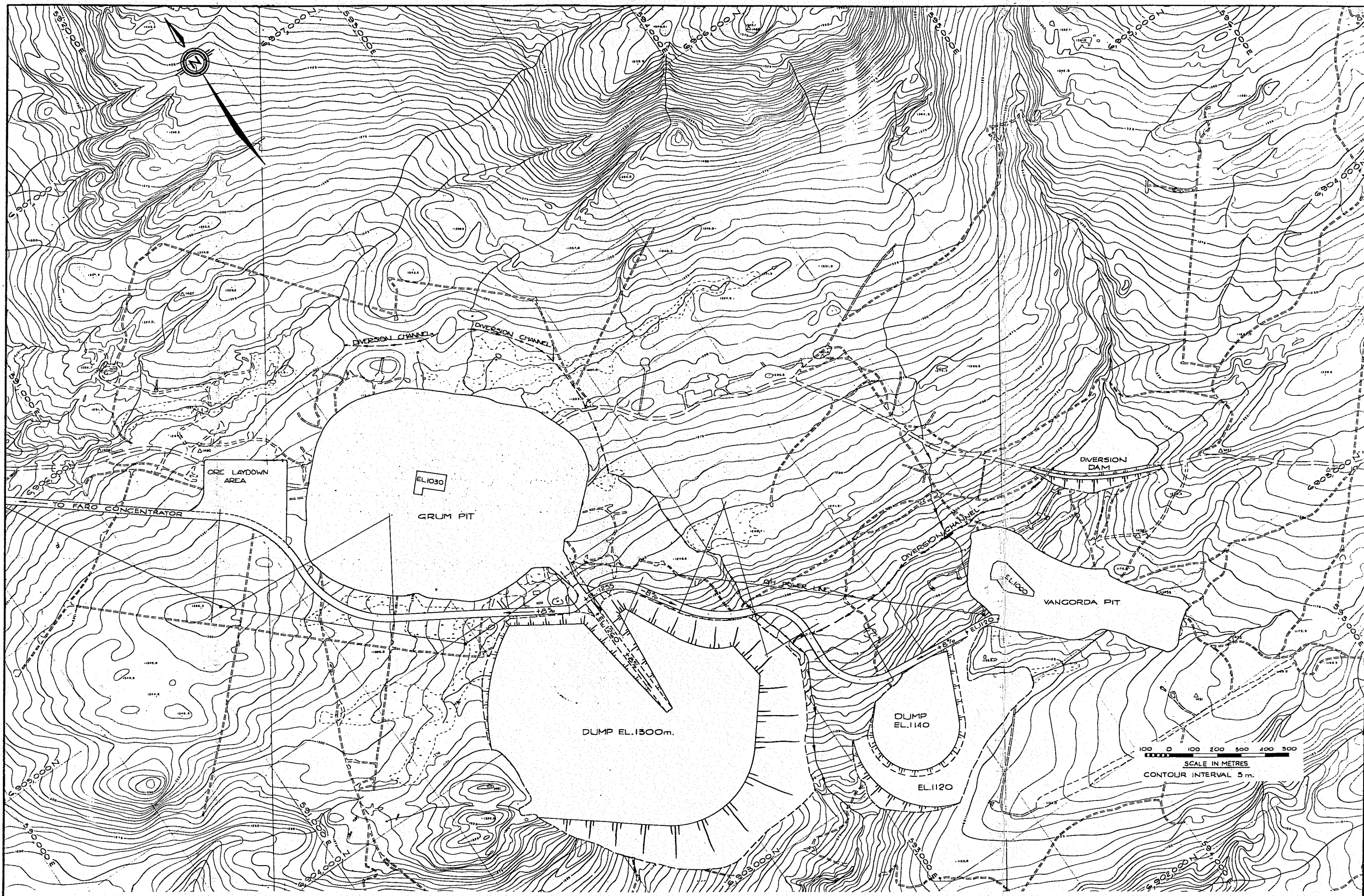
- Average Concentrate Grades are:

	%Pb	%Zn	Ag g/t	Au g/t
Faro	59.7	50.8	522	0
Vangorda Plateau	58.2	54.9	722	6.0
All	58.7	53.4	683	3.9

5.0 PIT DESIGN AND MINING RESERVES

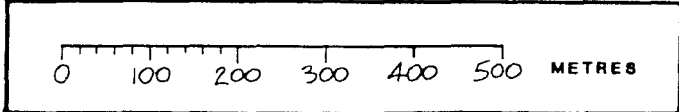
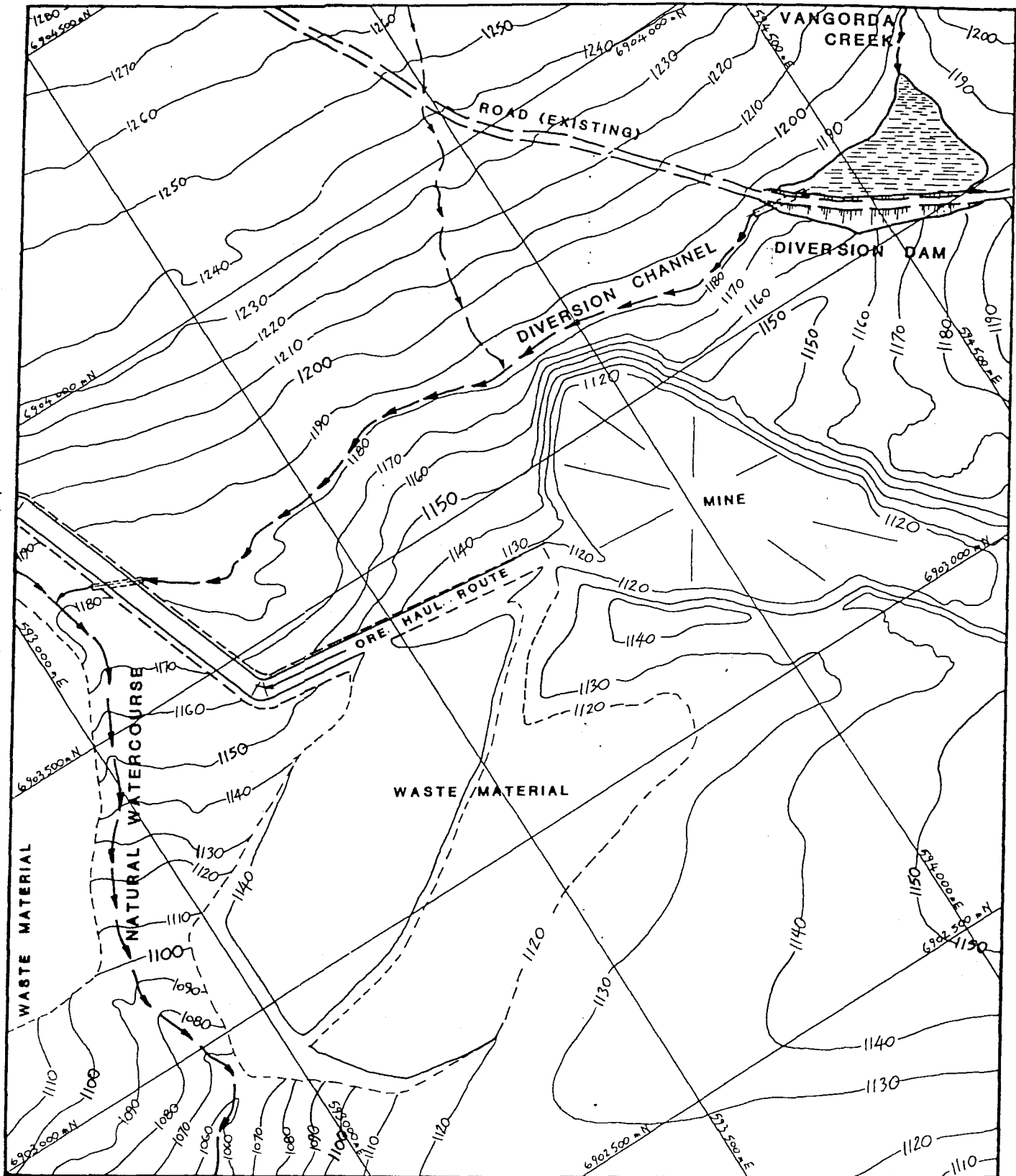
- Pit designs based on economic modelling
- Grum pit design requires further optimization
- Faro underground will be mined by room and pillar with access by a ramp from Zone 1 pit. Seventy-five percent recovery expected.
- Open Pit mining reserves include a 95% recovery and 15% dilution for Vangorda and Grum but 10% dilution at Faro. Faro underground reserves include 10 % waste dilution. Dilution in all cases is at 0% Pb + Zn.

	Tonnes	%Pb+Zn	%Pb	%Zn	Ag(g/t)	Au(g/t)
Faro Pit	20,582	6.9	2.8	4.1	35.4	0.10
Vangorda	6,459	8.0	3.5	4.5	49.4	0.59
Grum	24,993	8.0	3.0	5.0	49.5	0.81
Faro UG	2,014	11.6	4.6	7.0	61.3	---
	<hr/> 54,048 <hr/>					

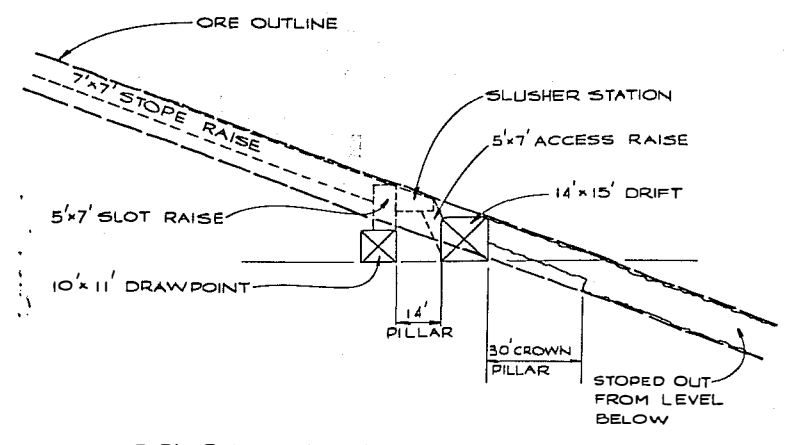


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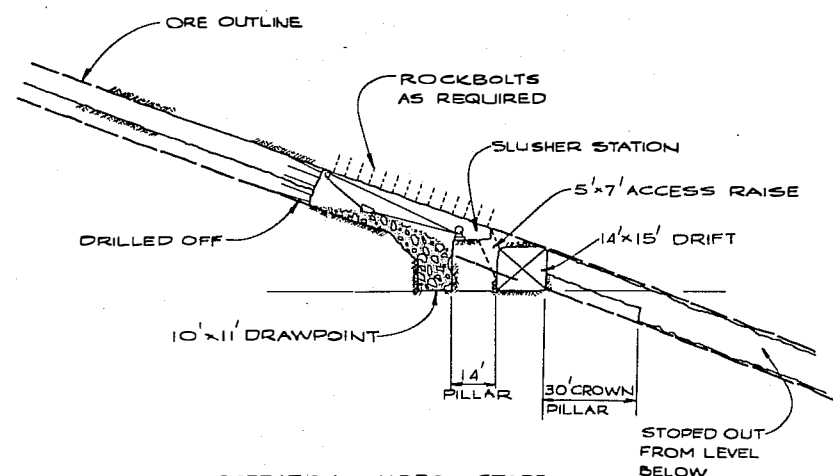
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DRAWN BY: P.A.H.			DIVISION 19
CHECKED BY: J.B.F.			DRAWING NUMBER
APPROVED BY: J.B.F.		KILBORN	FIG. 11



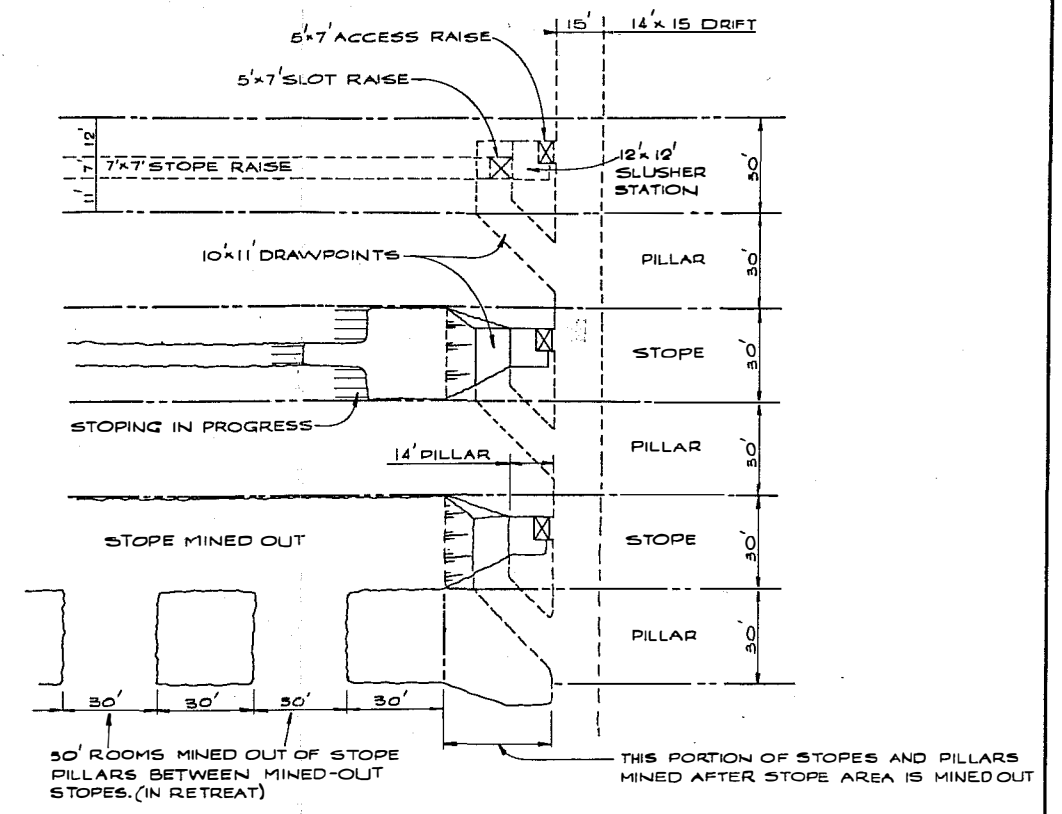
CURRAGH RESOURCES	DR. BY: CGY
PROPOSED VANGORDA CREEK DIVERSION	NOV./88
	FIGURE 12



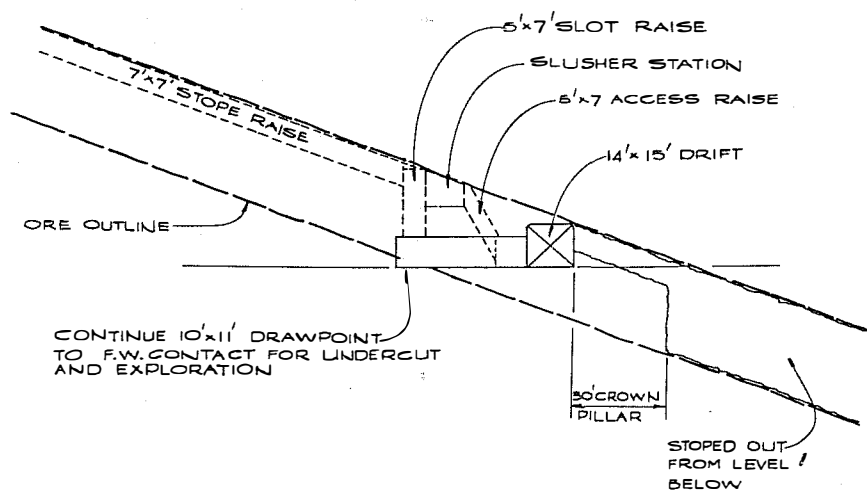
DEVELOPMENT - NARROW STOPE



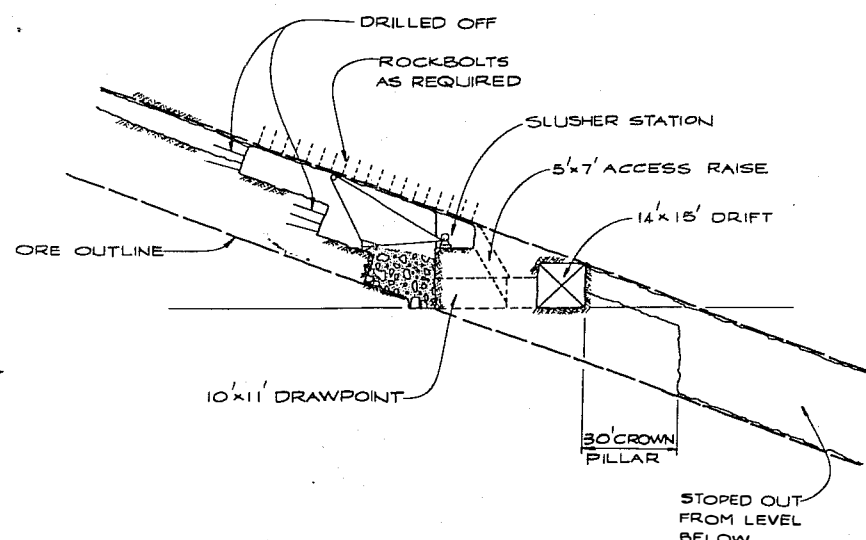
OPERATION - NARROW STOPE



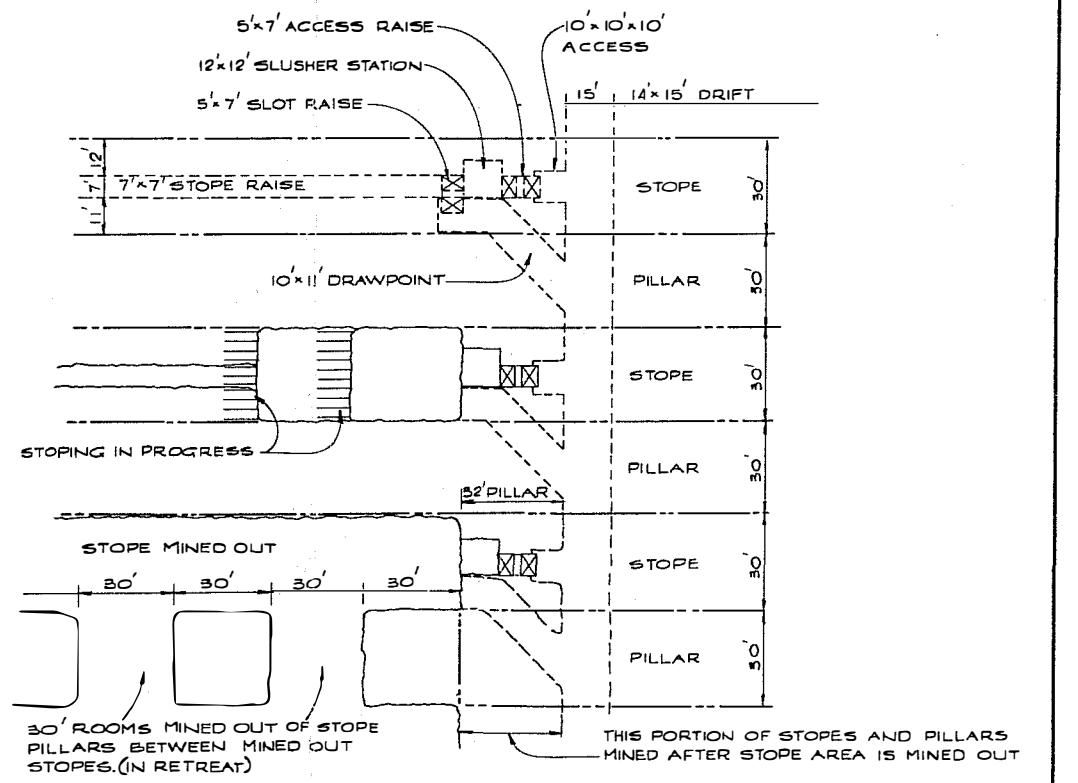
PLAN ON NARROW STOPE DEVELOPMENT AND OPERATION



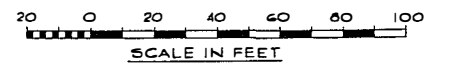
DEVELOPMENT - WIDE STOPE



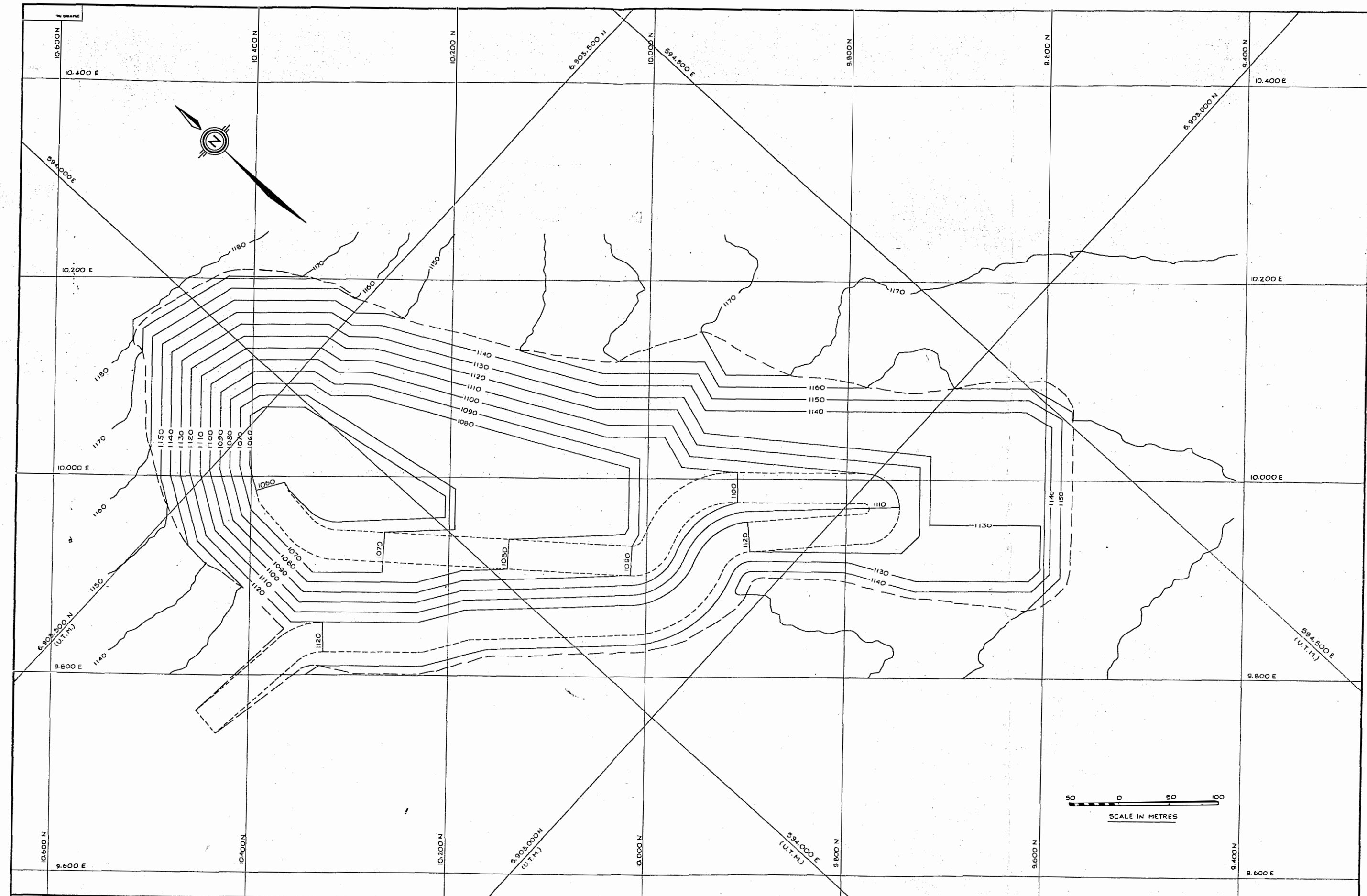
OPERATION - WIDE STOPE



PLAN ON WIDE STOPE DEVELOPMENT AND OPERATION



DWG. NO.		REFERENCE DRAWINGS		CLIENT: CURRAGH RESOURCES		TITLE: FARO DEPOSIT		EDM. No.	
REVISIONS		REVISIONS		REVISIONS		REVISIONS		PROJECT No. DIVISION No.	
DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		3509 19	
CLIENT: PAH		CLIENT: PAH		CLIENT: PAH		CLIENT: PAH		DRAWING NUMBER	
CHECK: J.B.F.		CHECK: J.B.F.		CHECK: J.B.F.		CHECK: J.B.F.		KILBORN	
DATE: FEB. 87		DATE: FEB. 87		DATE: FEB. 87		DATE: FEB. 87		UNDERGROUND MINE STOPING DETAILS	
DRAWN BY: PAH		DRAWN BY: PAH		DRAWN BY: PAH		DRAWN BY: PAH		APPROVED BY: J.B.F.	
ISSUED FOR FEASIBILITY STUDY		ISSUED FOR FEASIBILITY STUDY		ISSUED FOR FEASIBILITY STUDY		ISSUED FOR FEASIBILITY STUDY		FIG. 13	



DWG. NO.	REFERENCE DRAWINGS

CLIENT	DATE	DESCRIPTION

CLIENT	DATE	DESCRIPTION

CLIENT	DATE	DESCRIPTION

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 DESIGNED BY: J.B.F. DATE: FEB 87
 DRAWN BY: Z.A. DATE: FEB 87
 CHECKED BY: J.Z.F.
 APPROVED BY: J.Z.F.

CLIENT: CURRAGH RESOURCES
 LOCATION: FARO, YUKON
KILBORN

TITLE: FARO AREA DEPOSITS
 VANGORDA DEPOSIT
 OPEN PIT PLAN
 FEB. 1991 - (ULTIMATE)

D.W.M. No. PROJECT No. DIVISION No. DRAWING NUMBER
 3509 19

FIG.14

6.0 MINING PLAN

- Grum and Vangorda pits will use same truck-shovel methods as current Faro pit operations except overburden stripping will be by contract scrapers.
- Faro underground operation is standard trackless jumbo and tram/haulage truck operation by contract. Production at 500,000 tpy.
- Haul road to be built from Grum and Vangorda to Faro concentraator using mine waste rock.
- Haulage to concentrate currently planned for 170 ton off highway trucks.
- Mill feed target is 13,500 tpd for Faro ores and 11,600 tpd for Vangorda Plateau ores.
- Production target is to produce 550,000 tpy concentrate from best quality ore available while deferring stripping as much as possible and maintaining existing fleet.

TABLE 1
CURRAGH RESOURCES
VANGORDA PLATEAU - SCRAPER CASE

DESCRIPTION	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	TOTAL
FARO PIT															
All Waste	20,375,000	15,794,350	5,511,620	7,832,603	4,966,372	2,341,599	0	0	0	0	0	0	0	0	56,821,544
Ore	3,792,000	6,739,025	3,336,756	121,506	2,431,292	3,800,099	0	0	0	0	0	0	0	0	20,220,678
FARO U/G															
Ore	0	0	500,007	500,007	500,007	500,007	13,633	0	0	0	0	0	0	0	2,013,661
VANGORDA PIT															
All Waste	0	6,665,590	6,029,032	8,132,170	660,575	0	0	0	0	0	0	0	0	0	21,487,367
Ore	0	0	1,836,991	3,536,416	1,085,358	0	0	0	0	0	0	0	0	0	6,458,765
GRUM PIT															
All Waste	0	1,068,143	16,139,767	11,303,990	22,471,232	33,502,418	40,037,474	39,283,190	34,351,328	26,150,241	7,014,706	0	0	0	231,322,489
Ore	0	0	52,328	268,926	1,766,554	2,274,337	3,823,196	4,577,467	4,677,002	3,628,173	3,925,407	0	0	0	24,993,390
SCRAPER FLEET															
Overburden Mined	0	8,000,000	8,000,000	8,000,000	6,000,000	6,000,000	4,000,000	2,643,153	0	0	0	0	0	0	42,643,153
TOTAL MINED															
Waste	20,375,000	23,528,083	27,680,419	27,268,763	28,098,179	35,844,017	40,037,474	39,283,190	34,351,328	26,150,241	7,014,706	0	0	0	309,631,400
Ore	3,792,000	6,739,025	5,726,082	4,426,855	5,783,211	6,574,443	3,836,829	4,577,467	4,677,002	3,628,173	3,925,407	0	0	0	53,686,494
TOTAL	24,167,000	30,267,108	33,406,501	31,695,618	33,881,390	42,418,460	43,874,303	43,860,657	39,028,330	29,778,414	10,940,113	0	0	0	363,317,894

Total Material Moved

By Pit

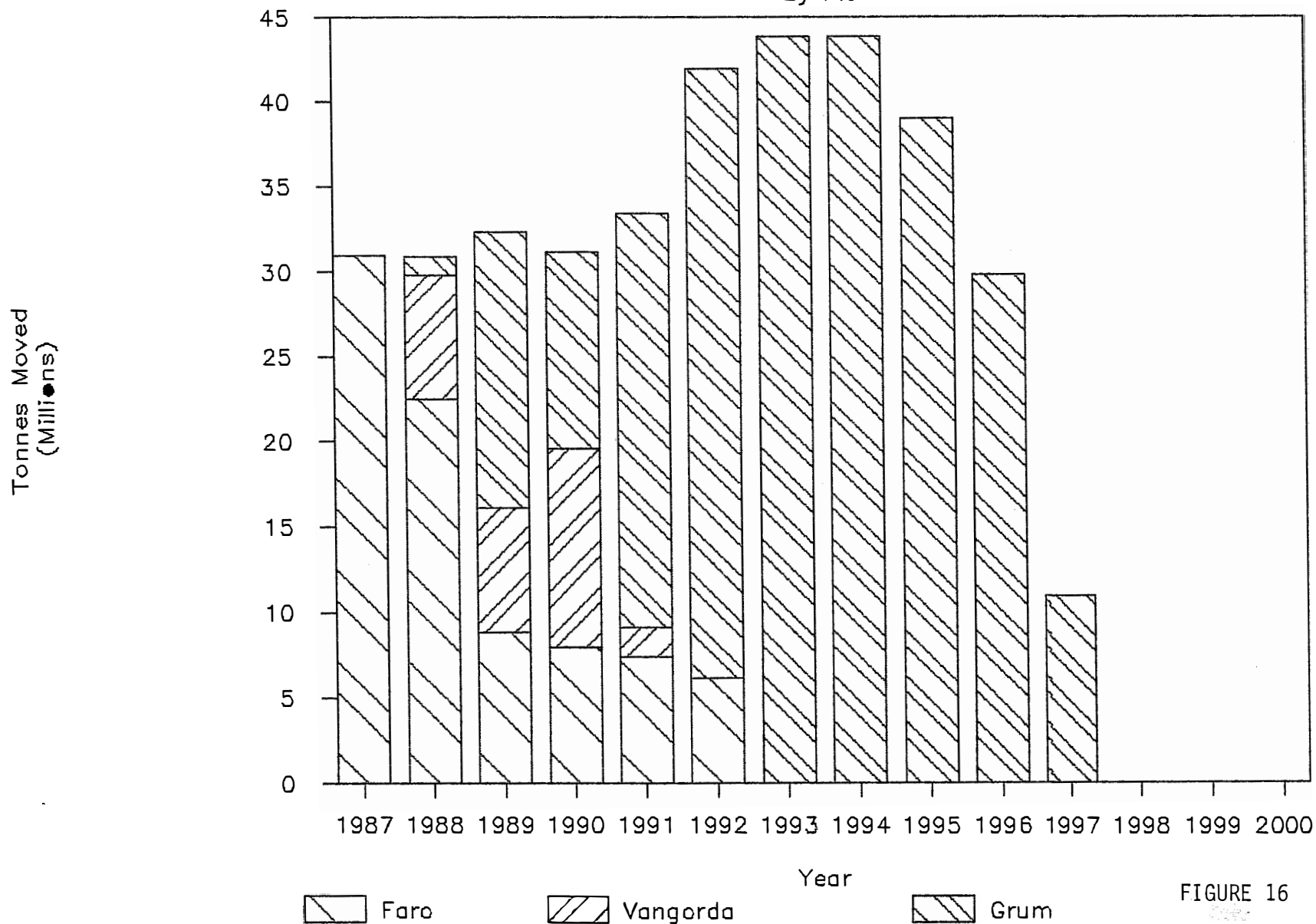


FIGURE 16

7.0 MILL PLAN

- Maximum target production is 1600 tonnes of concentrate per day.
- Lower milling rate for Vangorda Plateau ores to achieve finer grind required.
- Faro pit to be used for tailings storage after ore body mined out in 1991.
- Existing tailings area can handle total project tailings but dam needs to be raised prior to 1992 and again in 1994 or 1995 if Faro pit not used.

Ore Summary															
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Total
Mined															
Tonnes	4,153,875	7,339,241	5,125,866	4,426,855	5,783,211	6,574,443	3,836,829	4,577,467	4,677,002	3,628,173	3,925,407	0	0	0	54,048,367
% Pb+Zn	7.65	7.01	7.76	8.53	7.10	7.40	7.34	8.39	8.70	8.24	8.40	0.00	0.00	0.00	
%Pb	3.19	2.86	3.15	3.62	2.77	2.65	2.68	3.18	3.22	3.14	3.15	0.00	0.00	0.00	
%Zn	4.46	4.15	4.61	4.91	4.33	4.75	4.66	5.22	5.48	5.09	5.26	0.00	0.00	0.00	
Ag g/t	43	39	44	51	38	32	44	53	55	54	56	0	0	0	
Au g/t	0.10	0.11	0.22	0.53	0.37	0.25	0.65	0.83	0.91	0.86	0.99	0.00	0.00	0.00	
Hill Feed															
Tonnes	3,533,005	4,791,321	4,324,747	3,997,068	4,879,716	4,466,176	4,374,324	4,015,000	3,800,000	4,088,273	4,015,000	4,147,856	4,016,463	0	54,450,887
% Pb+Zn	8.20	7.90	8.57	9.02	7.79	8.35	7.56	8.92	9.58	8.38	8.30	4.08	4.36	0.00	
%Pb	3.42	3.22	3.49	3.83	3.09	3.01	2.77	3.37	3.53	3.18	3.10	1.57	1.69	0.00	
%Zn	4.78	4.68	5.08	5.20	4.70	5.34	4.79	5.55	6.05	5.21	5.21	2.51	2.66	0.00	
Ag g/t	45	42	47	54	41	37	43	56	60	54	55	26	26	0	
Au g/t	0.09	0.07	0.22	0.53	0.38	0.30	0.54	0.85	0.96	0.79	0.96	0.50	0.11	0.00	
Concentrate															
Lead Conc															
Tonnes	153,930	194,800	202,882	235,492	206,735	174,180	156,404	181,190	180,814	171,517	162,821	74,754	78,287	0	2,173,808
% Pb	61.00	60.67	58.67	54.73	57.42	58.83	59.51	60.00	60.00	59.92	60.00	58.82	58.68	0.00	
Ag g/t	567	553	582	606	590	545	737	823	837	821	876	751	598	0	
Au g/t	0.00	0.05	1.28	3.29	2.87	2.11	4.63	6.22	6.68	6.12	7.74	7.10	0.00	0.00	
Zinc Conc															
Tonnes	269,269	355,206	345,732	311,243	350,245	378,787	319,620	345,518	361,435	326,566	318,959	140,516	152,975	0	3,976,071
% Zn	50.90	50.91	51.56	53.93	52.85	52.29	54.10	55.00	55.00	54.77	55.00	53.74	50.73	0.00	
Total Conc															
Tonnes	423,200	550,006	548,615	546,735	556,980	552,967	476,023	526,708	542,249	498,083	481,781	215,270	231,262	0	6,149,878

Mill Feed

By Source

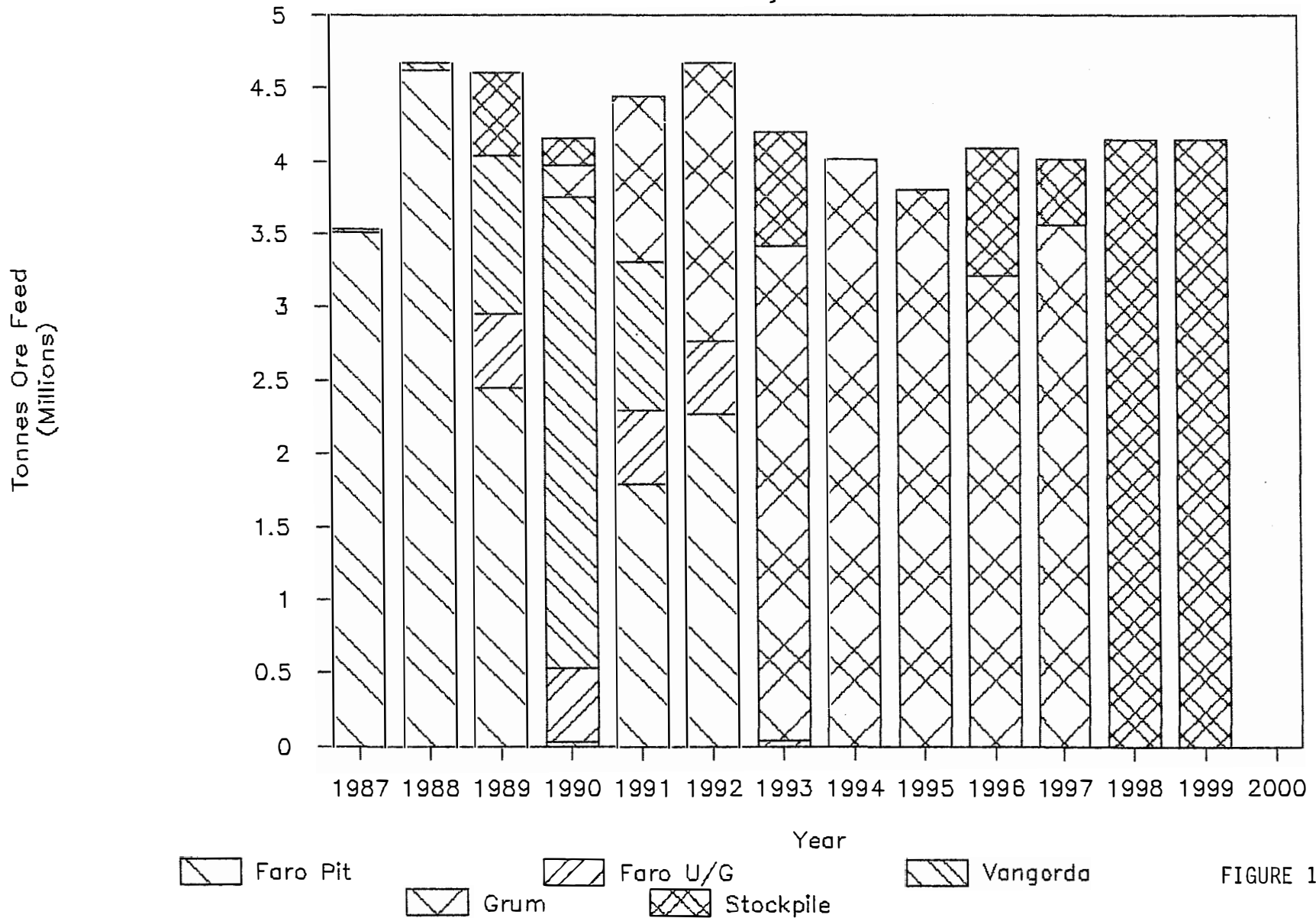


FIGURE 17

8.0 REQUIRED INFRASTRUCTURE

- 14 km haul road connecting Vangorda Plateau to Faro concentrator.
- 5 km power line extension and transformers
- Vangorda Creek diversion
- Surface and ground water control and treatment facilities
- Minimal buildings
 - fuel and lube station
 - 2 bay shop for PM's and minor repairs

9.0 OPERATING EQUIPMENT

- Unit requirements based on current practice at Faro operation modified to account for Vangorda Road and haulage to concentrator.
- rehandle all Vangorda plateau ore and 30% of Faro.
- rehandle all long term stockpile.
- Underground equipment as required at Faro by contractor.
- Non contractor equipment summary in table 3.

TABLE 3

OPERATING EQUIPMENT SUMMARY

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Shovels:													
Marion	1.0	0.0	0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.0	0.0
P & H 2100	3.0	2.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.7	0.8	0.0	0.0
Shovel Years	4.0	2.8	3.3	4.0	4.0	4.0	4.0	4.0	4.0	3.7	0.9	0.0	0.0
Trucks													
Euclid 154 tonne	12	12	12	12	12	12	16	20	22	22	11.6	4.9	0
Wabco 109 Tonne	16	5.8	6.9	9.9	16	16	7.5	12.9	15.2	12.2	0	0.7	4.1
Front End													
Loader	0.4	0.8	1.2	1.6	1.3	1.3	1.5	1.5	1.4	1.6	1.5	1.6	1.6
Dozer													
Tracked	4.0	2.8	3.3	4.0	4.0	4.0	4.0	4.0	4.0	3.7	0.9	0.0	0.0
Wheeled	2.0	1.4	1.6	2.0	2.0	2.0	2.0	2.0	2.0	1.9	0.4	0.0	0.0
Grader	2.0	1.4	2.6	3.0	3.0	3.0	3.0	3.0	3.0	2.9	1.4	1.0	1.0

10.0 MANPOWER

- Manpower estimate based on current operating budget unit requirements and current work schedule.
- summary of hourly and salaried manpower in table 4. does not include contractors.

TABLE 4

CURRAGH RESOURCES
VANGORDA PLATEAU PROJECT
MANPOWER SUMMARY

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	PROJECT TOTAL
	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
HOURLY MANPOWER															

MINE OPERATIONS	143	103	116	133	151	151	138	158	179	167	66	31	22	0	1558
MINE MAINTENANCE	89	80	87	97	107	107	100	112	123	116	52	33	25	0	1129

MINE TOTAL	232	183	203	231	258	258	238	270	302	283	118	64	47	0	2687
MILL OPERATIONS	60	60	60	60	60	60	60	60	60	60	60	60	30	0	750
MILL MAINTENANCE	48	48	48	48	48	48	48	48	48	48	48	48	24	0	600

MILL TOTAL	108	108	108	108	108	108	108	108	108	108	108	108	54	0	1350
MATERIALS MANAGEMENT	10	10	10	10	10	10	10	10	10	10	10	10	10	0	130
=====															
TOTAL HOURLY	350	301	321	349	376	376	356	388	420	401	236	182	111	0	4167
SALARIED MANPOWER															

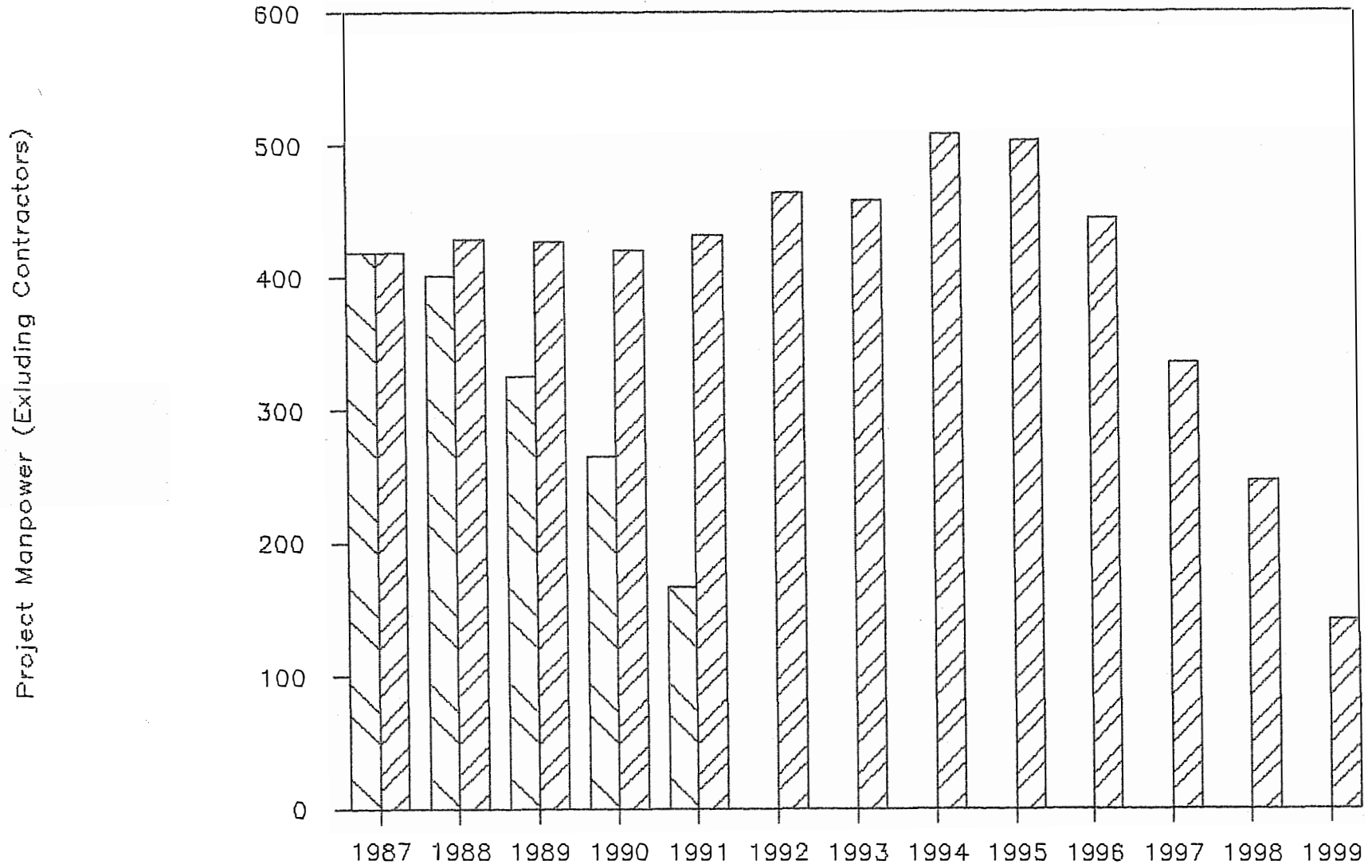
MINE	36	36	36	36	36	36	36	36	36	36	29	9	4	0	402
MILL	30	30	30	30	30	30	30	30	30	30	30	30	15	0	375
CONTROLLERS GROUP	13	13	13	13	13	13	13	13	13	13	13	13	7	0	163
MATERIALS MANAGEMENT	5	5	5	5	5	5	5	5	5	5	5	5	3	0	63
HUMAN RESOURCES	8	8	8	8	8	8	8	8	8	8	8	8	4	0	100


SALARIED TOTAL	92	92	92	92	92	92	92	92	92	92	85	65	32	0	1102
PROJECT TOTAL															

(EXCLUDING CONTRACTORS)	442	393	413	441	468	468	448	480	512	493	321	247	143	0	5269

Project Manpower

With and Without Plateau Development



 Faro Only


 With Vang. Plateau

FIGURE 18

11.0 LONG TERM

- Mine Vangorda and Grum open pits (until late 1990's).
- Begin development of underground mines at Grum and Dy.
- Explore other District potential reserves.