

Cyprus Anvil Mining Corporation

P.O. Box 1000  
Faro Yukon Territory  
Canada Y0B 1K0  
Telephone (403-994-2600)

Telex 036-8-208

May 19, 1983

Mr. J. Nickel,  
Controller of Water Rights,  
200 Range Road,  
Whitehorse, Yukon  
Y1A 3V1

Dear Sir:

Re: Cyprus Anvil Tailing Pond Discharge

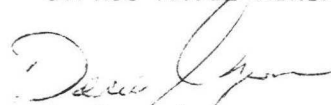
Attached per our discussion of 18/5/83 are the results of the water sampling on Wednesday 18th May 1983.

At this time I would like to request that the frequency of sampling be reduced to once per day Monday to Friday only. Also during the coming long weekend I would propose to sample syphon discharge on Friday 20th May 1983 dayshift and Tuesday 24th May 1983 dayshift only. I intend to dump a truck load of soda ash into the pond at X4 and cease lime addition for the duration of the long weekend.

Your concurrence with the above would be appreciated.

Yours sincerely,

CYPRUS ANVIL MINING CORPORATION



D. Gregoire  
Resident Mine Manager

for

M. Nicholson,  
Technical Services and  
Planning Manager

MJN/DBC  
encls  
cc G. Webster  
N. Cornish

**CYPRUS**

CYPRUS ANVIL MINING CORPORATION

TAILINGS POND SAMPLES

WEDNESDAY 18th MAY - A.M.

<u>Location</u>	<u>pH</u>	<u>Diss. Zn</u>	<u>Extr. Zn</u>
X7	6.9	20+	20+
X7 lime	11.7	0.45	0.13
Dick	11.3	0.15	12.3
S6A	8.4	0.09	0.36
X4	6.9	0.74	0.93
S8"	8.7	0.04	0.23
S16"	10.6	0.05	0.08

RESULTS OF COPPER ANALYSIS OF STATION P3 FROM  
JANUARY 8th to JANUARY 19th, 1982

<u>DATE</u>	<u>TIME</u>	<u>pH</u>	<u>Cu (ppm)</u>
January 8/82	11:20 a.m.	11.3	Trace
"	1:30 p.m.	11.3	0.01
"	3:30 p.m.	11.2	0.02
"	5:30 p.m.	11.0	0.05
"	7:30 p.m.	11.1	0.06
"	9:30 p.m.	11.1	0.06
"	11:30 p.m.	10.9	0.06
January 9/82	1:30 a.m.	11.3	0.05
"	3:30 a.m.	11.2	0.05
"	5:30 a.m.	11.1	0.05
"	7:30 a.m.	11.1	0.04
"	9:30 a.m.	11.2	0.04
"	1:30 p.m.	11.2	0.04
"	3:30 p.m.	10.9	0.06
January 10/82	8:30 a.m.	11.4	0.07
"	12:00 noon	11.2	0.09
"	3:00 p.m.	11.3	0.12
"	5:00 p.m.	11.3	0.15
"	7:00 p.m.	11.3	0.12
"	9:00 p.m.	11.2	0.11
"	11:00 p.m.	11.1	0.10
January 11/82	1:00 a.m.	11.0	0.09
"	3:00 a.m.	11.1	0.09
"	5:00 a.m.	11.0	0.10
"	7:00 a.m.	11.1	0.10
"	9:00 a.m.	11.3	0.10
"	11:00 a.m.	11.3	0.10
"	1:00 p.m.	11.2	0.08
"	3:00 p.m.	11.3	0.10

...../2

**CYPRUS ANIL**

<u>DATE</u>	<u>TIME</u>	<u>pH</u>	<u>Cu (ppm)</u>
January 12/82	8:00 a.m.	11.3	0.09
"	12:00 noon	11.2	0.08
"	3:00 p.m.	11.2	0.08
January 13/82	8:00 a.m.	11.2	0.07
January 14/82	8:00 a.m.	11.2	0.08
January 15/82	8:00 a.m.	11.1	0.09
January 18/82	8:00 a.m.	10.9	0.07
January 19/82	10:00 a.m.	10.7	0.03

JKM/d

CYPRUS ANVIL MINING CORP.

9-03-100-077-85001

96-h STATIC LC50 BIOASSAY RESULTS OF  
X5

SAMPLE TAKEN: UNKNOWN SAMPLE pH 7.5  
 SAMPLE RECEIVED: Apr 22, 1985 SAMPLE D.O. 9.0 mg/l  
 TEST STARTED: Apr 24, 1985 SAMPLE CONDUCTANCE 465 umho/cm

THE 96-h LC50 FOR THIS SAMPLE WAS >100 %v/v

	INIT pH	FINAL pH	INIT DO mg/l	FINAL DO mg/l	TEST CONC %v/v	PERCENT SURVIVAL			
						24h	48h	72h	96h
SAMPLE	7.5	7.4	9.6	9.2	100.0	100	100	100	100
CONTROL	6.6	6.7	10.2	10.2		100	100	100	100

TEST CONDITIONS

Bioassays conducted according to STANDARD METHODS FOR THE  
 EXAMINATION OF WATER AND WASTE WATER, 15th edition, 1980  
 APHA - AWWA - WPCF.

Number of test fish 10 Test temperature (C) 15.0  
 Test volume (liters) 4.0 Test solution pH not adjusted

TEST FISH

Weight 0.18 +/- .03 g Length 2.6 +/- 0.2 cm

Duplicate reference toxicant (sodium pentachlorophenate)  
 bioassays conducted at the time of these tests in order to test  
 the tolerance of the fish stock gave 96-h LC50 values of  
 74.8 ug/l (70.5, 78.8) and 70.0 ug/l (60.0, 80.0)

DILUTION WATER (Vancouver dechlorinated tap water)

Alkalinity (mg CaCO3/l) 4.5  
 EDTA hardness (mg CaCO3/l) 5.0  
 Total suspended solids (mg/l) 0.5  
 Residual chlorine (mg/l) 0.001  
 Conductance (umho/cm) 15

Other parameters available on request.

96-h LC50 is the 96-h lethal concentration for 50% mortality.  
 Synonyms are TLM96 and 96-h TL50 (median tolerance limit). The  
 95% confidence limits are in parentheses. Values were calculated  
 by computer following C.E. Stephens "Methods for Calculating  
 an LC50" (ASTM STP 634, 1977).

ANALYST



B. C. RESEARCH

## CYPRUS ANVIL MINING CORP.

9-03-100-077-85002

96-h STATIC LC50 BIOASSAY RESULTS OF  
X13

SAMPLE TAKEN: UNKNOWN SAMPLE pH 7.3  
 SAMPLE RECEIVED: Apr 22, 1985 SAMPLE D.O. 8.4 mg/l  
 TEST STARTED: Apr 24, 1985 SAMPLE CONDUCTANCE 630 umho/cm

THE 96-h LC50 FOR THIS SAMPLE WAS &gt;100 %v/v

	INIT pH	FINAL pH	INIT DO mg/l	FINAL DO mg/l	TEST CONC %v/v	PERCENT SURVIVAL			
						24h	48h	72h	96h
SAMPLE	7.4	7.7	9.6	9.4	100.0	100	100	100	100
CONTROL	6.6	6.7	10.2	10.2		100	100	100	100

## TEST CONDITIONS

Bioassays conducted according to STANDARD METHODS FOR THE  
 EXAMINATION OF WATER AND WASTE WATER, 15th edition, 1980  
 APHA - AWWA - WPCF.

Number of test fish 10 Test temperature (C) 15.0  
 Test volume (liters) 4.0 Test solution pH not adjusted

## TEST FISH

Weight 0.18 +/- .03 g Length 2.6 +/- 0.2 cm

Duplicate reference toxicant (sodium pentachlorophenate)  
 bioassays conducted at the time of these tests in order to test  
 the tolerance of the fish stock gave 96-h LC50 values of  
 74.8 ug/l (70.5, 78.8) and 70.0 ug/l (60.0, 80.0)

## DILUTION WATER (Vancouver dechlorinated tap water)

Alkalinity (mg CaCO<sub>3</sub>/l) 4.5  
 EDTA hardness (mg CaCO<sub>3</sub>/l) 5.0  
 Total suspended solids (mg/l) 0.5  
 Residual chlorine (mg/l) 0.001  
 Conductance (umho/cm) 15

Other parameters available on request.

96-h LC50 is the 96-h lethal concentration for 50% mortality.  
 Synonyms are TLM96 and 96-h TL50 (median tolerance limit). The  
 95% confidence limits are in parentheses. Values were calculated  
 by computer following C.E. Stephens "Methods for Calculating  
 an LC50" (ASTM STP 634, 1977).

ANALYST



B. C. RESEARCH



Northern Affairs Program  
200 Range Road,  
Whitehorse, Y.T. Y1A 3V1  
10 February 1983

Mr. N. G. Cornish  
Superintendent Environment Control  
Cyprus Anvil Mining Corp. Ltd.  
P.O. Box 1000  
Faro, Y.T.

Your file    Votre référence

Our file    Notre référence

Dear Mr. Cornish:

Re: Results of DIAND/CAMC Joint Sampling Intermediate and Cross Valley Ponds (Stations ID1<sub>BOT</sub>, ID1<sub>SUR</sub>, ID3<sub>SURF</sub>, 1-2<sub>SURF</sub>, 1-2<sub>BOT</sub> AND 2-3). Also, DIAND sampling of regular stations (X2, X4, X5-13, X7, X10, X11, X12, X13, X14, X23, S6A and S6AF).

The following DIAND results were received in the mail from the E.P.S. lab and compared with C.A.M.C. results for the same day.

STATION	CAMC Dissolved			DIAND Extractable		
	pH	Zn	Mn	pH	Zn	Mn
X4	7.0	3.04	7.68	6.75 .25	3.15 .11	8.96
X7	11.5	0.05	0.10	12.96	2.05 2.0	1.18
X10	7.8	0.06	0.04	7.35 -.45	0.009 <	0.001
X11	7.5	0.03	4.41	7.23 -.27	0.002 <	5.41
X12	7.6	0.02	0.63	7.11 .39	0.002 <	0.694
X13	7.5	0.03	3.19	7.14 .36	0.002 <	3.53
X14	7.5	0.04	1.35	7.15 .35	0.006 <	1.61
X5-13	7.4	0.02	2.36	6.96 .41	0.018 <	3.04
S6A	7.0	4.46	7.48	6.83 .17	3.38 <	8.35
ID1 <sub>SUR</sub>	6.8	2.61	7.36	6.86 <.06>	2.95 .34	9.09
ID1 <sub>BOT</sub>	7.0	0.54	4.50	6.93 .03	1.38 .84	5.77
ID3 <sub>SUR</sub>	7.1	2.49	5.72	6.80 .30	2.72 .23	6.77
ID3 <sub>BOT</sub>	7.2	1.03	4.18	-	-	-
1-2 <sub>SUR</sub>	7.7	1.68	3.80	7.00 .70	2.83 1.15	5.88
1-2 <sub>BOT</sub>	8.5	0.16	3.01	7.93 .57	0.682 .52	4.14
2-3 <sub>SUR</sub>	7.7	2.47	5.16	7.10 .60	2.99 .52	6.09
2-3 <sub>BOT</sub>	8.7	0.10	1.91	-	-	-

Yours truly,

*Mary Jack*

Mary Jack  
Administrator, Pollution Control  
Water Resources Division

TABLE I - WATER QUALITY

LOCATION:

STATION	DATE	DEPTH (m)	FLOW (m <sup>3</sup> /s)	TEMP (°C)	DISOLVED OXYGEN (mg/l)	% D.O. SATURATION	PH		COND. $\mu$ mhos/cm		COLOR (units)	TURBIDITY (F.T.U.)	COLIFORM BAC-T(count/100ml)		B.O.D. (mg/l)
							in-situ	lab	in-situ	lab			total	fecal	
X2	1/5/83			1			6.96	7.4		260					
X4				0.0			6.75	7.3		1070					
X5-13				2			6.96	7.6		1160					
X7				0.0			12.96	12.3		5130					
X10				2			7.35	7.9		241					
X11				5			7.23	7.6		1270					
X12				3			7.11	7.8		856					
X13				4			7.14	7.7		1220					
X14				1.5			7.15	7.6		710					
X23				1.5			7.01	7.6		1360					
S6A				-0.5			6.83	7.3		830					
S6AF				0.5			7.02	7.4		656					
ID1-BOT							6.93	7.2		1030					
ID1-SUR							6.86	7.3		1010					
ID3-SUR							6.8	7.5		1030					
1-2 SUR							7.0	7.7		974					
1-2 bot							7.93	8.4		1260					
2-3							7.10	7.8		981					

TABLE 2 - WATER QUALITY

LOCATION: CYPRUS Anvil

STATION	DATE	DEPTH (m)	N.F.R. (mg/l)	F.R. (mg/l)	T. Alk. (mg/l CaCO <sub>3</sub> )	T. Hard. (mg/l CaCO <sub>3</sub> )	T.O.C. (mg/l C)	T.I.C. (mg/l C)	T. PO <sub>4</sub> -P (mg/l)	NO <sub>2</sub> -N (mg/l)	NO <sub>3</sub> -N (mg/l)	NH <sub>3</sub> -N (mg/l)	SO <sub>4</sub> (mg/l)	CN (mg/l)	Cl (mg/l)
X2	1/5/83		<5	161		129						0.006	12.6		<0.5
X4			<5	788		464						0.502	400		1.8
X5-13			<5	891		438						0.373	460		1.9
X7			958	3170		1790						0.124	114		5.2
X10			<5	149		122						0.008	14.9		0.6
X11			7	981		450						0.718	540		2.0
X12			30	617		352						0.102	290		1.3
X13			<5	933		442						0.427	510		2.0
X14			<5	518		281						0.128	250		1.3
X23			17	2170		719						0.923	430		6.3
S6A			9	308		397						0.433	280		1.6
S6AF			13	462		347						0.091	207		0.9
ID1 BOTTOM		4	10	795		386						0.530	385		2.0
ID1 SURFACE			12	786		434						0.502	385		2.0
ID3 SURF			<5	792		402						0.519	400		1.9
I-2 SURF			<5	737		385						0.442	360		2.2
I-2 BOT		13	18	984		415						0.637	560		2.8
2-3			5	42		392						0.481	375		2.2

TABLE 3 - WATER QUALITY - METALS(mg/l)

LOCATION: CYPRUS ANNIL

STATION	DATE	DEPTH (m)	Ag	Al	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo
X2	EXTRAC		<0.001	<0.05	<0.05	0.071	<0.001	39.1	<0.002	<0.005	<0.005	<0.005	0.126	<0.05		7.5	0.09	<0.005
	TOTAL		<0.001	<0.06	<0.06	0.069	<0.001	37.8	<0.002	<0.006	<0.006	<0.006	0.156	<0.06		7.5	0.105	<0.006
X4	EXTRAC		<0.001	<0.05	<0.05	0.056	<0.001	137.	<0.002	0.018	<0.005	<0.005	0.3	<0.05		24.5	8.96	<0.005
	TOTAL		<0.001	<0.06	<0.06	0.053	<0.001	131	<0.002	0.016	<0.006	<0.006	0.295	<0.06		23.8	8.6	<0.006
X5-13	EXTRAC		<0.001	<0.05	<0.05	0.103	<0.001	133.	<0.002	<0.005	<0.005	<0.005	0.282	<0.05		24	3.04	<0.005
	TOTAL		<0.001	<0.06	<0.06	0.095	<0.001	124	<0.002	<0.006	<0.006	<0.006	0.265	<0.06		22.6	2.88	<0.006
X7	DISSOLV		<0.001	0.06	<0.05	0.076	<0.001	525	<0.002	<0.005	<0.005	<0.005	0.043	<0.05		0.3	<0.001	<0.005
	EXTRAC		<0.001	0.72	<0.05	0.169	<0.001	681	0.002	0.009	<0.005	0.03	5.97	<0.05		16.0	1.18	<0.005
	TOTAL		0.002	1.22	<0.06	1.13	<0.001	629	<0.002	0.016	<0.006	0.116	14.8	<0.06		15.3	1.13	<0.006
X10	EXTRAC		<0.001	<0.05	<0.05	0.057	<0.001	36.7	<0.002	<0.005	<0.005	<0.005	0.078	<0.05		7.2	<0.001	<0.005
	TOTAL		<0.001	<0.06	<0.06	0.053	<0.001	32.9	0.004	<0.006	<0.006	<0.006	0.096	<0.06		6.7	<0.001	<0.006
X11	EXTRAC		<0.001	<0.05	<0.05	0.127	<0.001	144	<0.002	0.008	<0.005	<0.005	0.467	<0.05		18.9	5.41	0.005
	TOTAL		<0.001	0.06	<0.06	0.119	<0.001	135	<0.002	<0.006	<0.006	<0.006	0.484	<0.06		17.9	5.15	<0.006
X12	EXTRAC		<0.001	0.11	<0.05	0.117	<0.001	95.8	<0.002	<0.005	<0.005	<0.005	0.569	<0.05		26.6	0.694	<0.005
	TOTAL		<0.001	0.32	<0.06	0.111	<0.001	89.3	<0.002	<0.006	<0.006	<0.006	0.792	<0.06		25.1	0.662	<0.006
X13	EXTRAC		<0.001	<0.05	<0.05	0.109	<0.001	135	<0.002	0.006	<0.005	<0.005	0.281	<0.05		23.5	3.53	0.008
	TOTAL		<0.001	<0.06	<0.06	0.106	<0.001	131	<0.002	<0.006	<0.006	<0.006	0.395	<0.06		23.1	3.34	<0.006
X14	EXTRAC		<0.001	<0.05	<0.05	0.081	<0.001	85.3	<0.002	<0.005	<0.005	<0.005	0.185	<0.05		15.7	1.61	<0.005
	TOTAL		<0.001	<0.06	<0.06	0.078	<0.001	81.2	<0.002	<0.006	<0.006	<0.006	0.186	<0.06		15.3	1.54	<0.006
X23	EXTRAC		<0.001	0.08	<0.05	0.078	<0.001	227	0.004	0.04	<0.005	<0.005	0.457	<0.05		46.7	5.55	<0.005
	TOTAL		<0.001	0.23	<0.06	0.083	<0.001	215	0.003	0.036	<0.006	<0.006	0.58	<0.06		45.0	5.49	<0.006
S6A	DISSOLV		<0.001	0.51	<0.05	0.55	<0.001	113	<0.002	0.017	<0.005	<0.005	5.12	<0.05		21.2	8.57	<0.005
	EXTRAC		<0.001	<0.05	<0.05	0.057	<0.001	111	<0.002	0.02	<0.005	<0.005	7.34	<0.05		20.7	8.35	0.006
	TOTAL		<0.001	<0.06	<0.06	0.053	<0.001	104	<0.002	0.017	<0.006	<0.006	7.04	<0.06		19.7	7.84	<0.006

TABLE 4 - WATER QUALITY - METALS (mg/l)

LOCATION: CYPRIUS ANNUL

STATION	DATE	DEPTH	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	V	Zn				
X2	EXTRACT		3.1	<0.02	<0.02	<0.05	<0.05	5.6	<0.01	0.174	<0.002	<0.01	0.026				
	TOTAL		2.9	<0.02	<0.02	<0.06	<0.06	5.5	<0.01	0.170	<0.002	<0.01	0.028				
X4	EXTRACT		59.9	0.04	<0.02	<0.05	<0.05	5.0	<0.01	0.931	<0.002	<0.01	3.15				
	TOTAL		55.6	<0.02	<0.02	<0.06	<0.06	4.8	<0.01	0.412	<0.002	<0.01	3.09				
X5-13	EXTRACT		89.7	<0.02	<0.02	<0.05	<0.05	4.5	<0.01	0.937	<0.002	<0.01	0.018				
	TOTAL		80.6	<0.02	<0.02	<0.06	<0.06	4.2	<0.01	0.403	<0.002	<0.01	0.012				
X7	DISSOLV		6.1	<0.02	0.81	<0.05	<0.05	1.9	<0.01	1.36	<0.002	<0.01	0.012				
	EXTRACT		6.2	0.02	3.77	<0.05	<0.05	7.1	<0.01	1.96	0.012	<0.01	2.05				
	TOTAL		5.5	<0.02	3.56	<0.06	<0.06	7.5	<0.01	1.82	0.036	<0.01	3.74				
X10	EXTRACT		2.6	<0.02	<0.02	<0.05	<0.05	4.7	<0.01	0.159	<0.002	<0.01	0.009				
	TOTAL		2.3	<0.02	<0.02	<0.06	<0.06	4.3	<0.01	0.142	<0.002	<0.01	0.015				
X11	EXTRACT		110	0.03	<0.02	<0.05	<0.05	4.2	<0.01	0.938	<0.002	<0.01	<0.002				
	TOTAL		98.8	<0.02	<0.02	<0.06	<0.06	4.0	<0.01	0.406	<0.002	<0.01	<0.002				
X12	EXTRACT		53.9	<0.02	<0.02	<0.05	<0.05	4.0	<0.01	0.329	<0.002	<0.01	<0.002				
	TOTAL		48.3	<0.02	<0.02	<0.06	<0.06	4.1	<0.01	0.305	0.007	<0.01	<0.002				
X13	EXTRACT		99.7	0.03	<0.02	<0.05	<0.05	4.1	<0.01	0.429	<0.002	<0.01	<0.002				
	TOTAL		93.6	<0.02	<0.02	<0.06	<0.06	4.0	<0.01	0.417	<0.002	<0.01	<0.002				
X14	EXTRACT		46.6	<0.02	<0.02	<0.05	<0.05	4.6	<0.01	0.299	<0.002	<0.01	0.006				
	TOTAL		43.2	<0.02	<0.02	<0.06	<0.06	4.4	<0.01	0.285	<0.002	<0.01	0.007				
X23	EXTRACT		19.	0.10	0.04	<0.05	<0.05	7.2	<0.01	0.974	<0.002	<0.01	5.66				
	TOTAL		17.5	0.02	0.03	<0.06	<0.06	7.2	<0.01	0.922	0.003	<0.01	5.56				
S6A	DISSOLVED		27.5	0.03	0.02	<0.05	<0.05	5.2	<0.01	0.342	<0.002	<0.01	3.27				
	EXTRACT		26.9	0.05	0.03	<0.05	<0.05	5.2	<0.01	0.335	<0.002	<0.01	3.38				
	TOTAL		24.6	0.02	<0.02	<0.06	<0.06	4.9	<0.01	3.12	<0.002	<0.01	3.29				

TABLE 3 - WATER QUALITY - METALS (mg/l)

LOCATION: CYPRUS ANNUL

STATION	DATE	DEPTH (m)	Ag	Al	As	Ba	Be	Cd	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo
S6 AF	DISSOLV			0.33	<0.05	0.105	<0.001	106	<0.002	<0.005	<0.005	0.005	0.592	<0.05		18.0	5.3	<0.005
	EXTRACT			0.08	<0.05	0.118	<0.001	104	<0.002	<0.005	<0.005	<0.005	1.70	<0.05		17.6	4.79	<0.005
	TOTAL			0.26	<0.06	0.126	<0.001	98.8	<0.002	<0.006	<0.006	<0.006	1.92	<0.06		17.0	4.55	<0.006
101 BOT	EXTRACT			<0.05	<0.05	0.045	<0.001	120	<0.002	0.009	<0.005	<0.005	1.23	<0.05		17.5	5.77	<0.005
	TOTAL			<0.06	<0.06	0.059	<0.001	116	<0.002	0.008	<0.006	<0.006	1.23	<0.06		17.1	5.79	<0.006
101 SUR	EXTRACT			0.06	<0.05	0.058	<0.001	125	<0.002	0.018	<0.005	<0.005	3.27	<0.05		23.0	9.09	<0.005
	TOTAL			<0.06	<0.06	0.058	<0.001	123	<0.002	0.016	<0.006	<0.006	3.29	<0.06		23.1	8.98	<0.006
103 SUR	EXTRACT			0.07	<0.05	0.045	<0.001	120	<0.002	0.016	<0.005	<0.005	0.226	<0.05		20.6	6.77	<0.005
	TOTAL			<0.06	<0.06	0.047	<0.001	121	<0.002	0.015	<0.006	<0.006	0.239	<0.06		21.3	6.86	<0.006
1-2 SUR	DISSOLV			0.05	<0.05	0.046	<0.001	121	<0.002	0.015	<0.005	0.015	0.041	<0.05		21.7	6.33	<0.005
	EXTRACT			<0.05	<0.05	0.044	<0.001	114	<0.002	0.016	<0.005	<0.005	0.274	<0.05		20.3	5.88	0.006
	TOTAL			<0.06	<0.06	0.045	<0.001	115	<0.002	0.015	<0.006	<0.006	0.292	<0.06		20.8	5.99	<0.006
1-2 BOT	DISSOLVED			0.41	<0.05	0.040	<0.001	150	<0.002	0.012	<0.005	<0.005	0.032	<0.05		16.4	4.37	<0.005
	EXTRACT			0.08	<0.05	0.036	<0.001	137	<0.002	0.013	<0.005	<0.005	0.285	<0.05		15.0	4.14	0.006
	TOTAL			<0.06	<0.06	0.038	<0.001	140	<0.002	0.011	<0.006	<0.006	0.306	<0.06		15.6	4.27	<0.006
2-3	DISSOLV			0.55	<0.05	0.048	<0.001	123	<0.002	0.015	<0.005	0.044	0.125	<0.05		22.4	6.63	<0.005
	EXTRACT			0.06	<0.05	0.044	<0.001	116	<0.002	0.015	<0.005	<0.005	0.523	<0.05		20.6	6.09	<0.005
	TOTAL			<0.06	<0.06	0.044	<0.001	116	<0.002	0.015	<0.006	<0.006	0.528	<0.06		21.0	6.13	<0.006

TABLE 4 - WATER QUALITY - METALS (mg/l)

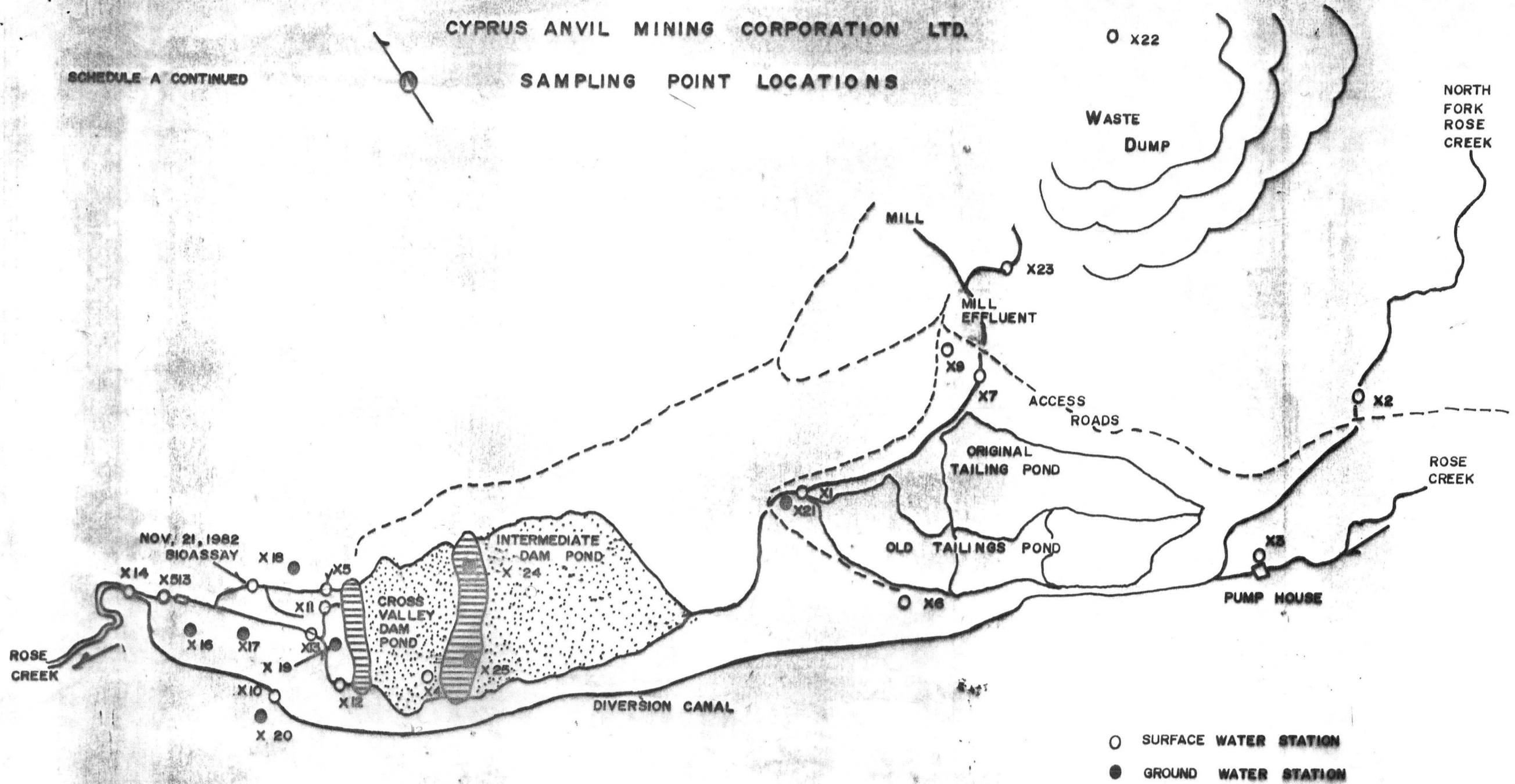
LOCATION: CYPRUS ANVIL

STATION	DATE	DEPTH	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	V	Zn				
56AF	DISSOLV		11.4	0.05	0.03	<0.05	<0.05	5.3	<0.01	0.289	<0.002	<0.01	0.740				
	EXTRACT		10.3	0.04	0.03	<0.05	<0.05	5.3	<0.01	0.287	<0.002	<0.01	0.756				
	TOTAL		9.5	0.03	<0.02	<0.06	<0.06	5.4	<0.01	0.273	0.007	<0.01	0.729				
101 BOT	EXTRACT		95.2	<0.02	<0.02	<0.05	<0.05	4.4	<0.01	0.346	<0.002	<0.01	1.38				
	TOTAL		89.7	<0.02	<0.02	<0.06	<0.06	4.3	<0.01	0.335	<0.002	<0.01	1.37				
101 SUR	EXTRACT		48.8	0.03	<0.02	<0.05	<0.05	5.1	<0.01	0.37	<0.002	<0.01	2.95				
	TOTAL		47.2	0.03	<0.02	<0.06	<0.06	5.1	<0.01	0.366	<0.002	<0.01	2.97				
103 SUR	EXTRACT		57.9	0.04	<0.02	<0.05	<0.05	4.3	<0.01	0.362	<0.002	<0.01	2.72				
	TOTAL		57.5	0.03	<0.02	<0.06	<0.06	4.4	<0.01	0.369	<0.002	<0.01	2.80				
1-2 SUR	DISSOLV		58.3	0.03	<0.02	<0.05	<0.05	4.8	<0.01	0.379	<0.002	<0.01	2.82				
	EXTRACT		54.8	0.03	<0.02	<0.05	<0.05	4.5	<0.01	0.359	<0.002	<0.01	2.83				
	TOTAL		54.0	0.03	<0.02	<0.06	<0.06	4.6	<0.01	0.357	<0.002	<0.01	2.91				
1-2 BOT	DISSOLV		107	0.02	0.03	<0.05	<0.05	4.0	<0.01	0.426	<0.002	<0.01	0.377				
	EXTRACT		96.5	0.03	0.02	<0.05	<0.05	3.7	<0.01	0.379	<0.002	<0.01	0.682				
	TOTAL		97.1	<0.02	<0.02	<0.06	<0.06	3.8	<0.01	0.394	<0.002	<0.01	0.704				
2-3'	DISSOLV		59.8	0.02	<0.02	<0.05	<0.05	4.8	<0.01	0.388	<0.002	<0.01	2.96				
	EXTRACT		54.6	0.02	0.03	<0.05	<0.05	4.5	<0.01	0.356	<0.002	<0.01	2.99				
	TOTAL		53.6	<0.02	0.02	<0.06	<0.06	4.5	<0.01	0.360	<0.002	<0.01	3.04				

CYPRUS ANVIL MINING CORPORATION LTD.

SCHEDULE A CONTINUED

SAMPLING POINT LOCATIONS





Northern Affairs Program  
200 Range Road,  
Whitehorse, Y.T. Y1A 3V1  
15 September 1983

Your file    Votre référence

Our file    Notre référence

Mr. N. G. Cornish  
Superintendent of Environmental  
Control,  
Cyprus Anvil Mining Corp. Ltd.  
P.O. Box 1000  
Faro, Y.T.

Dear Sir:

Re: Data from DIAND/EPS Water  
Sampling - June 15, 1983

I am enclosing the June 15, 1983 sample results as I promised today.

If you have any questions on sample locations, please call me.

Yours truly,

Mary Jack,  
Administrator,  
Pollution Control  
Water Resources Division

encls







