



## **CONTACT INFORMATION**

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PRINTED: 09/05/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: VANGUARD CLAIMS

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 805

LOCATION: TOWNSHIP 2 N RANGE 8 E SECTION 18 QUARTER NW  
LATITUDE: N 33DEG 31MIN 27SEC LONGITUDE: W 111DEG 34MIN 27SEC  
TOPO MAP NAME: STEWART MTN - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:  
COPPER OXIDE

BIBLIOGRAPHY:  
ADMMR VANGUARD CLAIMS FILE



**Tucson Office**  
P.O. Box 50427, Tucson, AZ 85703-1427  
2560 North Coyote Drive, Suite 103, Tucson, AZ 85745  
Phone: (520) 792-4981  
Fax: (520) 882-9461

*April 25, 1996*

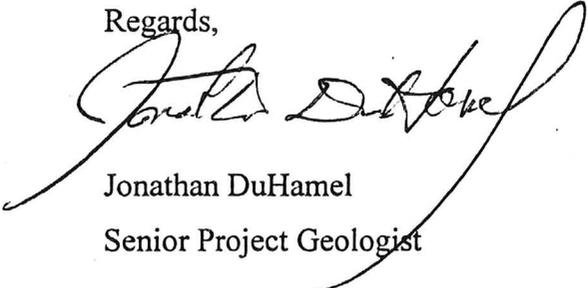
Mr. Dennis Dunlap  
214 N. Gilbert Road, # 239  
Mesa, AZ 85203

Re: Vanguard Claims, Maricopa County, AZ 293

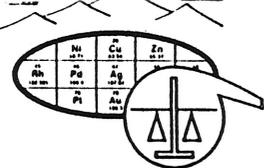
Dear Mr. Dunlap,

We have completed our examination of the Vanguard claims. Geochemical and petrographic results are attached. These data indicate that the property is not of interest to Phelps Dodge at this time. Thank you for allowing us to inspect the property.

Regards,



Jonathan DuHamel  
Senior Project Geologist



**SKYLINE LABS, INC.**  
 1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703

JOB NUMBER TEO5724  
 April 11, 1996  
 T21434-T21438  
 PAGE 1 OF 1

**PHELPS DODGE CORPORATION**  
 Attn: Mr. Syver More  
 Western Exploration Office  
 P.O. Box 50427  
 Tucson, AZ 85703-1427

**REPORT OF ANALYSIS**

**Analysis of 5 Rock Chip Samples**

		FIRE ASSAY								
ITEM	SAMPLE NO.	Au* (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Bi (ppm)
1	T-21434	< .005	.4	1.4	.2	20.	18.	35.	6.	< .1
2	T-21435	< .005	.1	1.2	.2	16.	20.	30.	2.	< .1
3	T-21436	< .005	< .1	.8	.2	6.	16.	8.	< 2.	.1
4	T-21437	< .005	.1	1.4	.5	10.	28.	16.	2.	.1
5	T-21438	.005	.4	1.8	.1	16.	8.	50.	2.	.1

\*NOTE: Method of analysis by combination fire assay and atomic absorption.

cc: PHELPS DODGE CORPORATION  
 Attn: Dr. W.H. Wilkinson  
 Western Exploration Office  
 P.O. Box 50427  
 Tucson, AZ 85703-1427

0428  
 WILLIAM L. LEHMBECK  
 Manager  
 4/11/96

QUAD: AZ-293  
QUAD NAME: STEWART MTN.  
AREA: GOLDFIELD MTNS  
S. W. MORE

T21434 293-2N-8E-18

The rock is a quartz monzonite with square grains of plagioclase in a matrix of ragged interlocking quartz and perthitic orthoclase crystals. Books of primary biotite join a few prisms of hornblende but the latter mineral has been replaced by biotite and epidote. Other deuteric alteration shown by the rock is feeble including light sausseritization of the plagioclase but the fabric is beginning to break down along a crush zone that fades out progressively across the field of view.

T21435 293-2N-8E-18

This is a granite - almost pegmatite in nature - with enormous phenocrysts of perthite and rectangular ones of plagioclase in a matrix of finer grained perthite and quartz. Occasionally these minerals enter into graphic intergrowth. The rock is leucocratic with no mafites visible and is quite fresh although the fabric is disturbed in places by crush zones that have deformed quartz and feldspars, followed by their recrystallization.

T21438 293-2N-8E-18

This rock is a quartz monzonite, somewhere between the first two samples texturally and more erratic in grain size with some very large plagioclase and perthite grains gradational into a matrix of finer grained quartz and two feldspars. Biotite is relatively abundant here occurring in large clusters with magnetite and sphene. Except for mild sausseritization of plagioclase, the rock is quite fresh but the fabric is disturbed by weak crush zones along which quartz is deformed into ribbon-like shapes.



Cyprus Metals Exploration

1320 Freeport Blvd., Suite 106  
Sparks, Nevada 89431  
702-358-0533  
Fax 358-0587

May 9, 1996

Dennis J. Dunlap  
214 N. Gilbert Rd. #239  
Mesa, AZ 85203

602-833-9256

Dear Mr. Dunlap:

I am writing in response to your property submittal for the Vanguard Mine northeast of Mesa which was forwarded to our office. I had the opportunity to spend a day walking over the area as I was returning from New Mexico in mid-April. I took six rock samples while I was there, of which only one had detectible Au.

I am enclosing a map with sample locations, copies of my sample descriptions, and a copy of the geochemical results. Please note that samples 2484B-2489B are from your property, samples 2490B-2492B are from a different property, and sample 2493B is a Cyprus control sample we use to check the lab's assays.

I thank you for submitting and wish you luck in your future ventures. Should you have any questions please feel free to contact me at the Sparks office.

Sincerely,

A handwritten signature in black ink that reads 'Michael Allen'.

Michael Allen

Enclosures:



# Bondar Clegg

Inchcape Testing Services

Bondar-Clegg & Co. Ltd  
130 Pemberton Avenue  
North Vancouver, B. C.  
V7P 2R5

Tel: (604) 985-0681

**" URGENT & CONFIDENTIAL "**

To: CYPRUS AMAX MINERALS CO.  
Attention :  
Reference : REQ. #00024  
Submitter : M. ALLAN

Our Fax No: (604) 985-1071  
Your Fax No: 1-702-358-0587  
Number of Pages : 5 including this page.

Report : R96-10275.0

Status : COMPLETE

Total number of samples: 10

Element Method	Totl	Element Method	Totl	Element Method	Totl
Au30 30g Fire Assay - AA	10	Au CALCULATION	10	Ag INDUC. COUP. PLASMA	10
AuRew1	1	Cu INDUC. COUP. PLASMA	9	Pb INDUC. COUP. PLASMA	9
Zn INDUC. COUP. PLASMA	9	Mo INDUC. COUP. PLASMA	9	Ni INDUC. COUP. PLASMA	9
Co INDUC. COUP. PLASMA	9	Cd INDUC. COUP. PLASMA	9	Bi INDUC. COUP. PLASMA	9
As INDUC. COUP. PLASMA	9	Sb INDUC. COUP. PLASMA	9	Hg COLD VAPOR AA	9
Fe INDUC. COUP. PLASMA	9	Mn INDUC. COUP. PLASMA	9	Te INDUC. COUP. PLASMA	9
Ba INDUC. COUP. PLASMA	9	Cr INDUC. COUP. PLASMA	9	V INDUC. COUP. PLASMA	9
Sn INDUC. COUP. PLASMA	9	W INDUC. COUP. PLASMA	9	La INDUC. COUP. PLASMA	9
Al INDUC. COUP. PLASMA	9	Mg INDUC. COUP. PLASMA	9	Ca INDUC. COUP. PLASMA	9
Na INDUC. COUP. PLASMA	9	K INDUC. COUP. PLASMA	9	Sr INDUC. COUP. PLASMA	9
Y INDUC. COUP. PLASMA	9	Ga INDUC. COUP. PLASMA	9	Li INDUC. COUP. PLASMA	9
Nb INDUC. COUP. PLASMA	9	Sc INDUC. COUP. PLASMA	9	Ta INDUC. COUP. PLASMA	9
Ti INDUC. COUP. PLASMA	9	Zr INDUC. COUP. PLASMA	9		

Sample Preparations	Totl	Sample Type	Totl	Size Fraction	Totl	Remarks
CRUSH/SPLIT & PULV.	9	ROCK	9	-150	9	
AS RECEIVED	1	PREPARED PULP	1	AS RECEIVED	1	

Notes:

If you do not receive the entire transmission in legible form, please contact us as soon as possible.

CYPRUS MINERALS COMPANY  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. J2484 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>Sediment</u>
Length: <u></u>	<u>~1 mi south of Hwy</u>

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- White-Pink Granite
- Fresh (v to chlor Biot)
  - Qtz - Plag - KSPAR - Biot
  - Med - Coarse grained

CYPRUS MINERALS COMPANY  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. 02485 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>Point of Ridge</u>
Length: <u></u>	

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- Sample of small vein Qtz
- a N13°W, 60°SW
  - Clear - Tan xl Qtz
  - 1/4" - 2" thick
  - to lim

CYPRUS MINERALS COM  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. 02486 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>~ 200' N powerline</u>
Length: <u></u>	<u>South side ridge</u>

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- Semi-channel across v. sl  
clay alt volc w/ 1/2" silica v. lts
- v. lts clear xl quartz spaced 6" - 2' apart
  - weak MnO & lim
  - volc - f gr dacite? (some lithics & pumice)
  - sample ~ 12' across (alt area much larger)

CYPRUS MINERALS COMPANY  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. 02487 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>Just ~ 100 E of</u>
Length: <u></u>	<u>End in Canyon</u>

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- Brecciated Dike? or  
se. sific fault breccia
- w/ country rock as clasts
- poorly healed by later Qtz & Hem
  - N60°-65°W, 40°-50°SW
  - 10' or more across
  - country rock - pink sl aplitic med gran granite

CYPRUS MINERALS COMPANY  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. 02488 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>Just south of</u>
Length: <u></u>	<u>head in canyon @</u>
	<u>N face</u>

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- Fault Gouge
- Sample of gouge supporting blocks & clasts of granite
  - gouge is poorly cemented ground up granite
  - gouge is ~ 5% of total rock

CYPRUS MINERALS COMPANY  
1320 Freeport Blvd., Suite 106  
Sparks, NV 89431  
(702) 358-0533

No. 02489 B

Sampled by: <u>WHT</u>	Property/Project: <u>Bull Dog Canyon</u>
Date: <u>4-18-96</u>	County: <u>Clark</u>
Sample Character: <u>Rock Chip</u> Float Subcrop	State: <u>NV</u>
Dump Stream Sediment Soil	Section: <u></u>
Drilling Samples	Township: <u></u>
Core Drill Cuttings	Range: <u></u>
Hole# From/To: <u></u>	Sample Location: <u>Stream bed</u>
Length: <u></u>	<u>near head</u>

SAMPLE DESCRIPTION

[Rock Type, Color, Alteration, Mineralization (oxides, sulfides, veins, etc.)]  
Width:

- Fault Breccia in  
aplitic granite
- rounded frags cemented by pink hem - clay ± sil
  - a N60°W, v 6" - 2' wide
  - may more shear like this - ext zone up to 100' plus thick

CLIENT: CYPRUS AMAX MINERALS CO.  
REPORT: R96-10275.0 ( COMPLETE )

PROJECT: GOLD GEN  
DATE PRINTED: 5-MAY-96 PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Au OPT	Ag PPM	AuRwl PPB	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM
R2 2484B	<i>Mr. Dundas Subm. Bulldog CMA</i>	<	<0.001	<0.2		10	15	27	<	6	3	<0.2	<
R2 2485B		<	<0.001	<0.2		8	19	22	1	8	2	<0.2	<
R2 2486B		<	<0.001	<0.2		10	28	36	<	8	3	<0.2	<
R2 2487B		6	<0.001	<0.2		9	15	15	<	6	1	<0.2	<
R2 2488B		<	<0.001	<0.2		8	30	29	1	7	3	<0.2	<
R2 2489B		<	<0.001	<0.2		4	21	10	<	4	<	<0.2	<
R2 2490B	<i>Other Property</i>	<	<0.001	0.2		540	3	40	3	8	6	<0.2	<
R2 2491B		<	<0.001	0.2		839	6	35	6	7	5	<0.2	<
R2 2492B		<	<0.001	<0.2		6	5	23	<	11	6	<0.2	<
P4 2493B			142	0.004	5.2	98							

*Control Sample*





CLIENT: CYPRUS AMAX MINERALS CO.  
REPORT: R96-10275.0 ( COMPLETE )

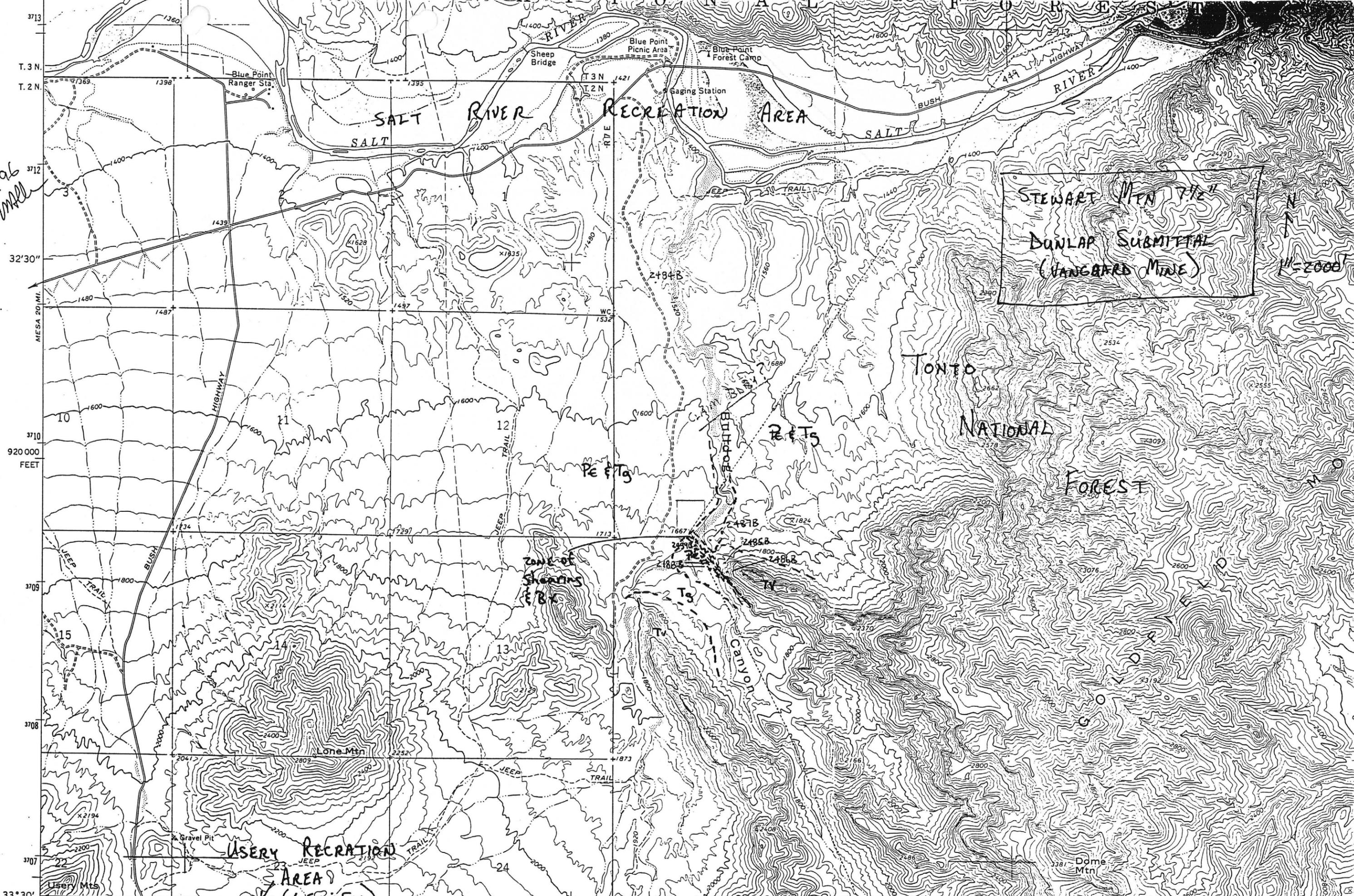
PROJECT: GOLD GEN

DATE PRINTED: 5-MAY-96

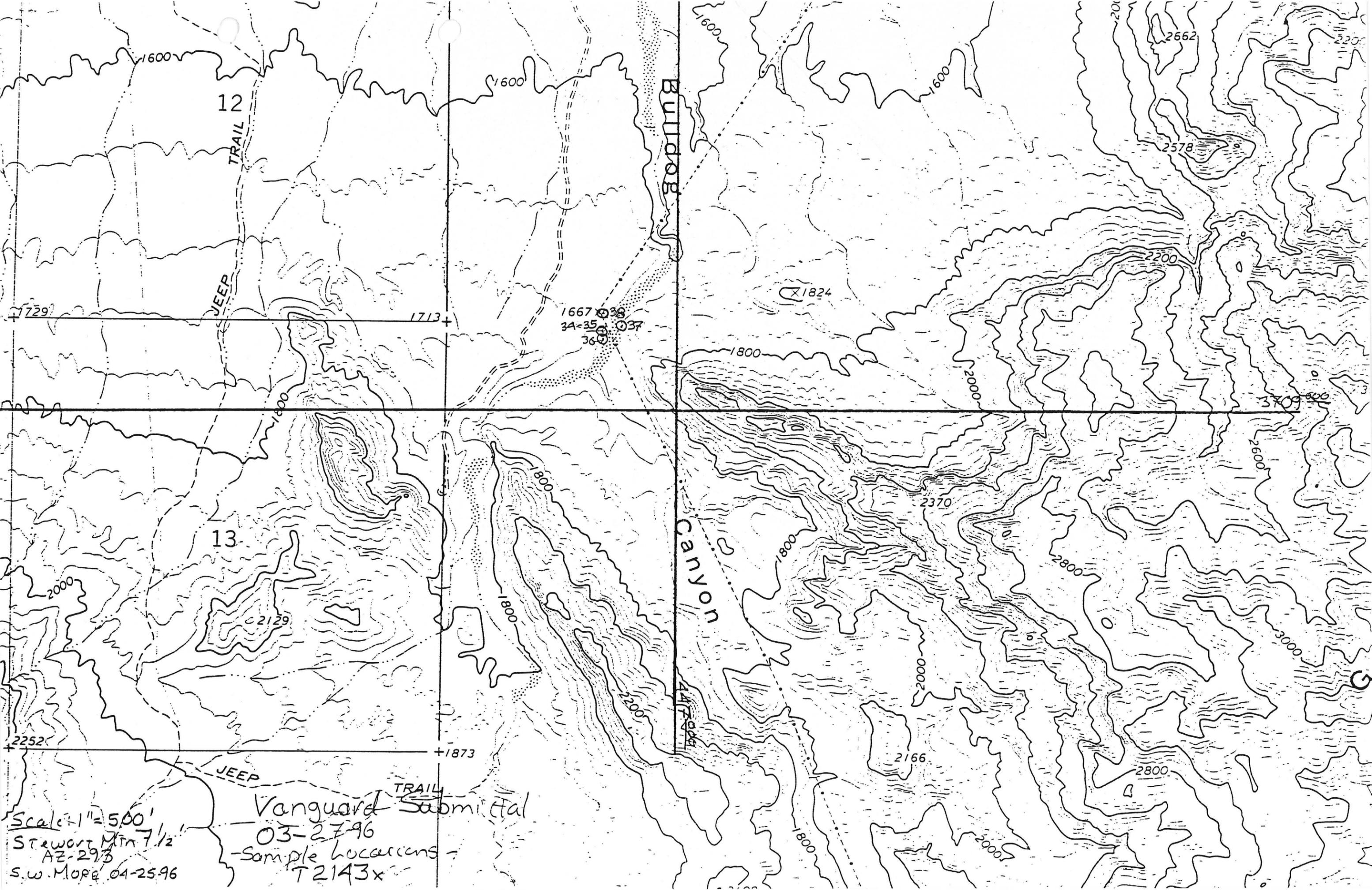
PAGE 1D

SAMPLE NUMER	ELEMENT UNITS	Ti PCT	Zr PPM
R2 2484B		0.10	3
R2 2485B		0.03	11
R2 2486B		0.05	19
R2 2487B		0.01	8
R2 2488B		0.10	7
R2 2489B		0.02	9
R2 2490B		0.18	4
R2 2491B		0.10	2
R2 2492B		0.10	1
P4 2493B			

Dis  
A/29/ab  
MALL



33° 30' 111.227200 590 000 FEET, MESA 16 MI.



Vanguard Submittal  
03-27-96  
Sample Locations  
T 2143x

Scale 1" = 500'  
Stewart Mtn 7 1/2  
AZ-293  
S.W. More 04-25-96