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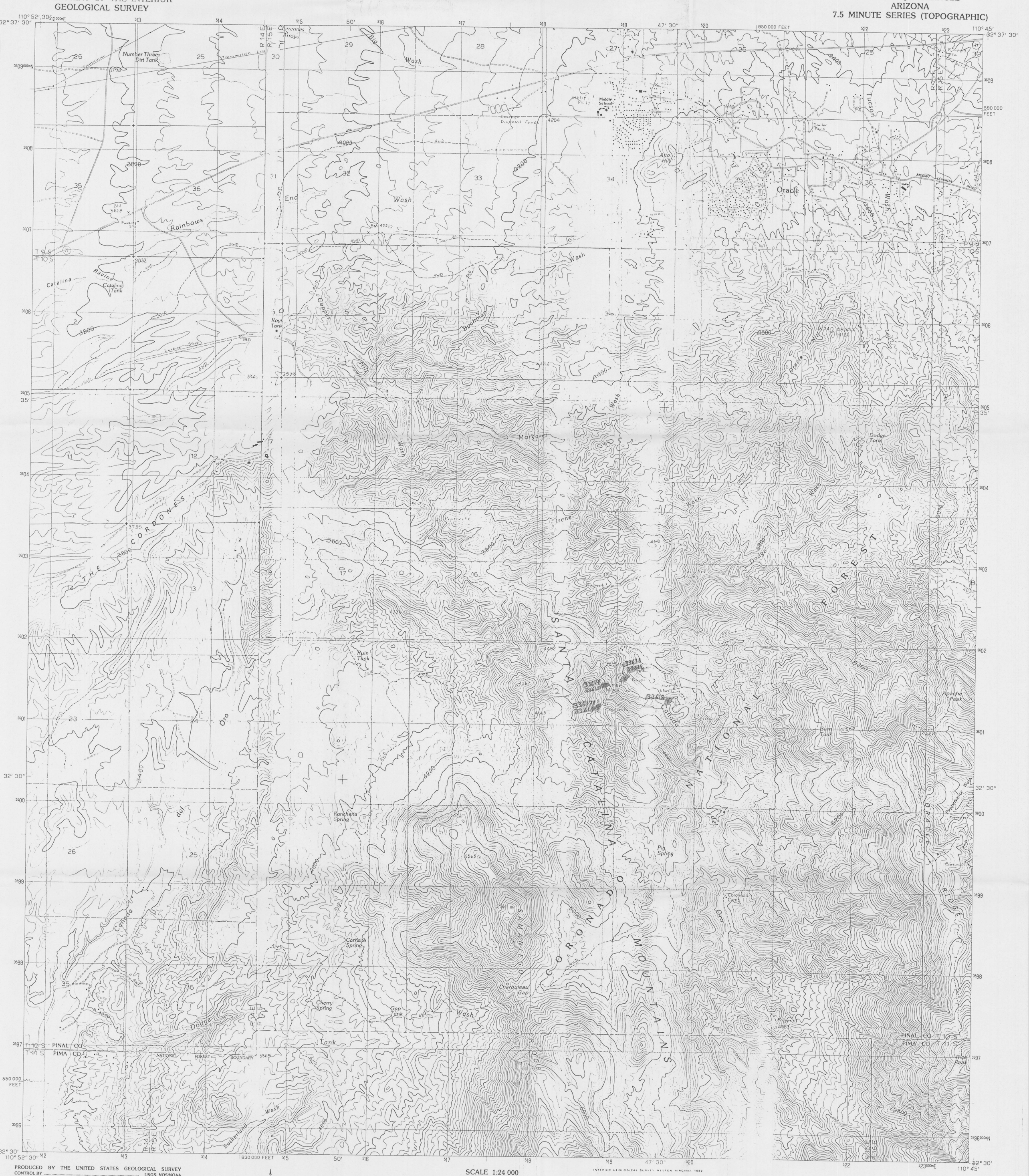
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ORACLE QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1984. MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06' EAST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (5 meters south and 62 meters east)

There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map

No distinction made between houses, barns, and other buildings

Public Land Survey System is shown as published in 1959 and verified or supplemented in 1984

NORTH

SCALE 1:24 000

KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 40 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check.

Where omitted, land lines have not been established

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA 1989

QUADRANGLE LOCATION

ADJOINING 7.5' QUADRANGLES

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route U.S. Route State Route

ORACLE, ARIZONA

PROVISIONAL EDITION 1988

32110-E7-TF-024

CAMBIOR USA, INC. NO. 33612

ROCK: [X] Date: 8/14/93

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: ~~[illegible]~~ Burney, Copper Rose, crest of ridge

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N (S); R 15 (E) W; SE ¼; S 21

Quad: ORACLE Scale 7.5

RX: Dump/ Tailings (Outcrop/ Float) Fresh/ Weathered

15'

Outcrop Location: near crest of ridge w. facing workings

Cu workings NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Qtzite / silic metasons; silicif along high angle frac with local poddy malachite, minor covellite, mostly abund frac black cu oxide chalcocite? Neodocite?

CAMBIOR USA, INC. NO. 33613

ROCK: [X] Date: 8/14

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: "Copper Rose"

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N (S); R 15 (E) W; SE ¼; S 21

Quad: ORACLE Scale 25

RX: Dump/ Tailings (Outcrop/ Float) Fresh/ Weathered

10'

Outcrop Location: ≈ 20' w. of #33612

cross cuts bedding Cu workings NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

similar to #612 without

silicif, assoc with x fracturing

poddy strong malach assoc w/ pale

qtzite

CAMBIOR USA, INC. NO. 33614

ROCK: [X] Date: 8/14

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: 'Lead Reef' Burney mines Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N (S); R 15 (E) W; SE ¼; S 21

Quad: ORACLE Scale 7.5

RX: Dump/ Tailings (Outcrop/ Float) Fresh/ Weathered

12' +

Outcrop Location: back face Lead Reef

Zone up to 20-30' wide NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Bx; well oxid, clay alt, well sheared

mostly strong, hem-lim-MnOx? soot

patchy pale Cu oxide → malachite,

cerrusite, pale yellow-green oxide

after arsenic??

(reported to run 8% Pb 10 oz Ag)

reported 300 Hg gold

Check gov assays

vertical Bx zone devel. @ structural intersection

CAMBIOR USA, INC. NO. 33615

ROCK: ☒ Date: 8/14

SOIL: ☐ State: Az

SED.: ☐ County: Pinal

Project: 'Lead Reef' Burney Mines Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N/S; R 15 E/W; SE ¼; S 21

Quad: ORACLE Scale 7.5

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

~~#5~~ #221

Outcrop Location: at face behind shaft

Same site as #614 NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Same area as #614

well Brecciated / oxid silic Bx

well devel stable Bx, patchy bleaching

punky clay alt hem-lim gossan

zones, local strong MnOx

CAMBIOR USA, INC. NO. 33616

ROCK: ☒ Date: 8/14

SOIL: ☐ State: Az

SED.: ☐ County: Pinal

Project: Burkey Mine Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N (S); R 15 (E) W; SW ¼; S 22

Quad: ORACLE Scale 7.5

RX: 1-2'

Dump/ Tailings

(Outcrop/) Float

Fresh/ Weathered

Outcrop Location: in wash above shms diggings

street cuts bedding NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Thin bedded Pinal Schist, 1-2' pale yellow-white clay alt crush zone, local earthy hem gossan pods up to 12", local black ½"-1" oxide seams parallel to skoring

CAMBIOR USA, INC. NO. 33617

ROCK: [✓] Date: 8/14

SOIL: [ ] State: Az

SED.: [ ] County: Pima

Project: Burney Mine Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N/S; R 15 E/W; SW ¼; S 22

Quad: ORACLE Scale 25

RX: ≈4' | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: same site as #616

≈ 20' up wash NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

parallel structure same Rx/alt as #616

very similar to #616

CAMBIOR USA, INC. NO. 33618

ROCK: [X] Date: 8/14

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: Burney Mines Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N/S; R 15 E/W; SE ¼; S 22

Quad: ORACLE Scale 7.5

RX: ≈ 10'

Dump/Tailings

Outcrop/Float

Fresh/Weathered

Outcrop Location: Back face Right side

Birthday workings on Canada Del Oro NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Silic Metased, grey, abund disseminate
local 1-4" massive pods, local strong
chalcanthite with increased pyrite
some bleached clay gouge + black
sooty oxide, → silver??

INTERNATIONAL PLASMA LABORATORY LTD.

Barney Mines
Dave McGee
33612-618

CERTIFICATE OF ANALYSIS
iPL 93I0302

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Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Cambior Exploration USA, Inc.

Out: Sep 07, 1993 Project: None Given
In : Sep 03, 1993 Shipper: Michael Gustin
PO#: Shipment: -- ID=C013500
Msg: ICP(AqR)30
Msg:

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1	2	2	2	1
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Ph:702/856-5189
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27 Samples

	0= Rock	0= Soil	0= Core	0=RC Ct	27= Pulp	0=Other
Raw Storage:	--	--	--	--	12Mon/Dis	--
Pulp Storage:	--	--	--	--	12Mon/Dis	--

[044709:19:16:39090793]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description		Element	##
01	721P	ICP	Ag	0.1	100	ppm	Ag ICP		Silver	01
02	711P	ICP	Cu	1	20000	ppm	Cu ICP		Copper	02
03	714P	ICP	Pb	2	20000	ppm	Pb ICP		Lead	03
04	730P	ICP	Zn	1	20000	ppm	Zn ICP		Zinc	04
05	703P	ICP	As	5	10000	ppm	As ICP	5 ppm	Arsenic	05
06	702P	ICP	Sb	5	1000	ppm	Sb ICP		Antimony	06
07	732P	ICP	Hg	3	10000	ppm	Hg ICP		Mercury	07
08	717P	ICP	Mo	1	1000	ppm	Mo ICP		Molydenum	08
09	747P	ICP	Tl	10	1000	ppm	Tl ICP	10 ppm	Thallium	09
10	705P	ICP	Bi	2	10000	ppm	Bi ICP		Bismuth	10
11	707P	ICP	Cd	0.1	10000	ppm	Cd ICP		Cadmium	11
12	710P	ICP	Co	1	10000	ppm	Co ICP		Cobalt	12
13	718P	ICP	Ni	1	10000	ppm	Ni ICP		Nickel	13
14	704P	ICP	Ba	2	10000	ppm	Ba ICP		Barium	14
15	727P	ICP	W	5	1000	ppm	W ICP		Tungsten	15
16	709P	ICP	Cr	1	10000	ppm	Cr ICP		Chromium	16
17	729P	ICP	V	2	10000	ppm	V ICP		Vanadium	17
18	716P	ICP	Mn	1	10000	ppm	Mn ICP		Manganese	18
19	713P	ICP	La	2	10000	ppm	La ICP		Lanthanum	19
20	723P	ICP	Sr	1	10000	ppm	Sr ICP		Strontium	20
21	731P	ICP	Zr	1	10000	ppm	Zr ICP		Zirconium	21
22	736P	ICP	Sc	1	10000	ppm	Sc ICP		Scandium	22
23	726P	ICP	Ti	0.01	1.00	%	Ti ICP		Titanium	23
24	701P	ICP	Al	0.01	5.00	%	Al ICP		Aluminum	24
25	708P	ICP	Ca	0.01	10.00	%	Ca ICP		Calcium	25
26	712P	ICP	Fe	0.01	5.00	%	Fe ICP		Iron	26
27	715P	ICP	Mg	0.01	10.00	%	Mg ICP		Magnesium	27
28	720P	ICP	K	0.01	10.00	%	K ICP		Potassium	28
29	722P	ICP	Na	0.01	5.00	%	Na ICP		Sodium	29
30	719P	ICP	P	0.01	5.00	%	P ICP		Phosphorus	30

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

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Approved

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
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Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 93I0302

Report: 93I0302 R Cambior Exploration USA, Inc. Project: None Given

Sample Name	Type	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
33607	Pulp	0.7	59	98	94	11	5	<3	5	<10	<2	<0.1	9	24	2182	8	47
33608	Pulp	0.8	132	157	99	21	9	<3	6	<10	<2	<0.1	7	23	2118	7	55
33609	Pulp	2.7	8.6%	160	122	35	10	<3	9	<10	<2	0.8	6	21	1553	28	90
33610	Pulp	9.8	3.2%	28	99	27	<5	6	306	<10	<2	<0.1	13	29	209	18	53
33611	Pulp	0.2	343	19	105	21	<5	<3	14	<10	<2	<0.1	21	61	215	7	90
33612	Pulp	2.0	2632	250	430	<5	<5	<3	21	<10	6	<0.1	62	30	96	<5	43
33613	Pulp	7.4	3035	772	217	5	<5	<3	29	<10	62	<0.1	28	17	49	7	33
33614	Pulp	17.5	7526	2.6%	4889	64	136	<3	317	<10	76	2.7	37	10	28	24	16
33615	Pulp	10.5	3610	18352	1893	286	13	<3	266	<10	128	0.4	10	16	16	14	32
33616	Pulp	47.5	392	2.5%	1804	71	12	<3	10	<10	<2	12.0	13	17	54	<5	17
33617	Pulp	33.5	113	12164	977	47	6	<3	6	<10	<2	6.0	15	16	38	6	16
33618	Pulp	96.5	646	14939	5254	83	7	<3	12	<10	15	214.8	26	42	9	31	35
33619	Pulp	3.1	7921	48	92	<5	<5	<3	271	<10	<2	0.4	11	18	65	6	46
33620	Pulp	2.8	928	29	101	<5	<5	<3	168	<10	<2	<0.1	12	12	112	10	23
33621	Pulp	0.4	1255	13	61	<5	<5	<3	20	<10	<2	<0.1	9	13	76	<5	32
33622	Pulp	1.0	2258	15	96	<5	<5	<3	51	<10	<2	<0.1	11	12	100	7	23
33623	Pulp	1.3	1397	23	65	<5	<5	<3	12	<10	<2	<0.1	9	12	58	5	24
33624	Pulp	0.7	784	16	77	<5	<5	<3	60	<10	<2	<0.1	14	10	140	18	17
33625	Pulp	3.0	7215	41	40	7	5	<3	852	<10	<2	<0.1	7	18	38	9	44
33626	Pulp	15.3	7.1%	31	92	11	25	<3	0.6%	<10	<2	2.3	7	10	44	19	48
33627	Pulp	3.0	3292	21	33	<5	9	<3	0.2%	<10	<2	0.7	5	5	29	<5	23
33628	Pulp	1.3	762	12	15	<5	5	<3	0.1%	<10	<2	<0.1	2	10	38	<5	26
33629	Pulp	5.0	7261	24	37	5	10	<3	0.3%	<10	<2	0.1	3	4	65	7	23
33630	Pulp	2.0	4258	11	158	<5	<5	<3	454	<10	<2	<0.1	24	33	96	6	55
33631	Pulp	2.1	10016	15	113	<5	<5	<3	767	<10	<2	0.8	14	13	70	9	24
33632	Pulp	4.4	10359	21	27	8	20	<3	0.5%	<10	<2	2.0	3	<1	28	8	22
33633	Pulp	0.3	16562	13	87	<5	<5	<3	459	<10	<2	0.6	16	32	40	5	56
Minimum Detection		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	10000.0	10000	10000	10000	1000	10000
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Barney Mines Area
Dave McGee
Pinal Co. AZ

--=No Test ReC=ReCheck ins=Insufficient Sample m=Est/1000 %=Est % Max=No Est

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 93I0302

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Vancouver, B.C.
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Phone (604) 879-7878
Fax (604) 879-7898

Report: 93I0302 R Cambior Exploration USA, Inc. Project: None Given

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
33607	58	398	20	74	7	4	0.09	0.73	0.47	2.92	0.12	0.32	0.04	0.19
33608	61	296	17	71	8	3	0.06	0.23	0.68	2.98	0.04	0.15	0.04	0.10
33609	46	243	8	288	5	2	0.03	0.41	0.25	2.43	0.06	0.12	0.02	0.04
33610	48	225	27	66	2	4	0.08	0.98	0.24	3.97	0.63	0.49	0.06	0.07
33611	64	959	27	40	4	4	0.03	1.58	1.09	5.1%	1.35	0.26	0.03	0.11
33612	64	3112	23	16	4	8	0.05	3.60	0.14	9.7%	1.81	0.25	0.03	0.06
33613	31	1446	13	13	3	3	0.02	1.81	0.05	5.3%	0.78	0.14	0.02	0.03
33614	35	1.0%	16	44	1	1	0.01	1.67	0.03	9.2%	0.05	0.16	0.04	0.04
33615	92	859	5	11	3	1	0.02	0.94	0.06	12%	0.05	0.09	0.02	0.11
33616	15	2889	27	65	3	3	0.06	1.27	1.12	5.5%	1.32	0.63	0.03	0.22
33617	12	1229	20	80	2	2	0.02	1.11	0.94	4.18	0.96	0.54	0.03	0.73
33618	18	299	21	8	2	2	<0.01	0.92	0.22	5.2%	0.47	0.35	0.02	0.16
33619	30	328	14	26	1	2	0.05	1.04	0.20	3.30	0.56	0.27	0.06	0.04
33620	53	458	16	42	1	3	0.13	1.09	0.66	2.98	0.84	0.45	0.07	0.06
33621	42	381	18	36	1	2	0.03	1.03	0.46	2.80	0.81	0.14	0.05	0.07
33622	51	464	16	36	1	3	0.12	1.04	0.35	2.97	0.85	0.35	0.05	0.06
33623	37	415	25	22	1	2	0.01	0.97	1.09	2.74	0.73	0.15	0.04	0.06
33624	55	401	16	47	2	3	0.16	0.93	0.40	2.73	0.75	0.57	0.06	0.05
33625	15	194	18	11	1	<1	<0.01	1.02	0.17	3.16	0.28	0.35	0.03	0.02
33626	<2	139	7	20	<1	<1	<0.01	0.33	0.26	3.99	0.04	0.04	0.02	0.01
33627	<2	128	30	19	2	<1	0.04	0.46	0.16	2.09	0.17	0.10	0.03	0.03
33628	<2	109	14	7	2	<1	0.02	0.21	0.09	1.78	0.07	0.09	0.03	0.01
33629	<2	94	22	11	2	<1	0.01	0.57	0.07	2.65	0.05	0.28	0.04	0.01
33630	120	696	21	74	3	9	0.21	1.55	0.82	5.3%	1.34	0.44	0.07	0.13
33631	47	501	21	24	2	3	0.05	1.36	0.42	3.87	0.92	0.24	0.03	0.12
33632	<2	101	32	17	3	<1	0.04	0.41	0.33	1.61	0.08	0.11	0.03	0.03
33633	112	323	31	16	3	8	0.16	1.53	0.47	5.2%	1.10	0.21	0.05	0.10
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	5.00	10.00	5.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ReC=ReCheck ins=Insufficient Sample m=Est/1000 %=Est % Max=No Est

Unsurveyed

CAMBIOR USA, INC.

Sample Record

PROSPECT/PROPERTY Burney Area Pinal Co Az. Lead Reef, Copper Rose, Birthday SAMPLER N. BARR PAGE 1 OF 1

SAMPLE NUMBER	QUAD	SEC ?	TWNS	RNG	DATE	DESCRIPTION	LABORATORY ANALYSIS Ag ppm	Cu ppm	Pb ppm/%	Zn ppm		
33612	Oracle 7.5	SE 21	10S	15E	8-14-93	'Copper Rose' high angle structure + bedding frac 15' Quartzite, frac/bleb malachite, tr covellite? black Cu oxide	2.0	2632	250	430		
33613			10S	15E		'Copper Rose' (20' west of #33612) frac zone xcuts bedding 10' Quartzite, mostly strong poddy/frac malachite	7.4	3035	772	217		
33614			10S	15E		'Lead Reef' backface raise at road level zone up to 30' wide 12' Breccia, well oxid, clayey, strong hem-lim-Mnox, Cu ox + Cerussite	17.5	7526	2.6%	4889		
33615			10S	15E		'Lead Reef' immed adj to shaft collar 22' Breccia (similar) oxid, bleached, clay alt, lim-hem gossan	10.5	3610	18352	1893		
33616		SW 22	10S	15E		In wash above 'Slims' diggings local earthy hem gossan 1-2' Pinal Schist, bleached shear zone, local blk oxide seams	47.5	392	2.5%	1804		
33617		SW 22	10S	15E		Same site as #33616 4' Similiar to 616, parallel structure same Rx type	33.5	113	12164	977		
33618		SE 22	10S	15E		Birthday Workings backface right side, sooty blk oxide 10' Silic Metaseds, abund dissem-cr bleb pyrite, local Cu ox	96.5	646	14939	5254		

cc: MMG
em
NB

Fax: (602) 622-0813

Jacobs Assay Office
Registered Assayers, Estab. 1880

Ph. (602) 622-0813
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1435 S. 10th Ave. Tucson, AZ 85713

Certificate No camboo8 08-18 1993

Sample Submitted By Mr. Cambior Project 304

SAMPLE MARKED	GOLD OZ PER TON	SILVER OZ PER TON	COPPER %	LEAD %	ZINC %	MO ppm Per cent Wet Assay	Per cent Wet Assay
#33607	---	$--	0.01			3.0	
33608	--	--	0.01	--	--	3.0	
33609	--	--	6.31	--	--	39.0	
33610	--	--	2.29	--	--	76.8	
33611	--	--	0.03	--	--	0.6	
33612	TRACE	0.05	0.20	0.03	0.01	6.0	
33613	0.002	0.05	0.26	0.07	0.01	9.0	
33614	0.009	0.80	0.59	21.34	0.34	74.4	
33615	0.005	0.40	0.32	1.78	0.11	60.6	
33616	0.003	1.30	0.03	2.03	0.08	3.0	
33617	TRACE	0.95	0.01	1.12	0.04	10.2	
33618	TRACE	1.45	0.05	1.36	0.36	10.2	

Very respectfully,

Charges $

TO: Randy Moore
FROM: Nick Barr
DATE: September 5, 1993
SUBJECT: Monthly Report - August, 1993

SUMMARY

304-SW Copper:

Desert Peak Area, Pinal County, AZ - Copper mineralization appears restricted to one 2-foot wide vein structure at the contact of fragmented volcanics and a coarse-grained sandstone unit. Outcrop exposure is very limited. No further work is anticipated.

Magma Well/Blue Copper Area, Pinal County, AZ - Assaying of Magma Well drill cuttings returned negative results. Further research on this area indicates additional drilling efforts adjacent to the Magma Well site also returned negative results. Limited field work is anticipated to further evaluate the Blue Copper area.

Burney Mine Area, Canada Del Oro, Pinal County, AZ - Limited sampling of altered metasediment/porphyry breccias over 2500 feet of strike length returned trace gold and anomalous lead, zinc, and silver. Workings reported to host high grade gold zones were inaccessible. Several showings of oxide copper mineralization are in evidence in the immediate area and will be the focus of further work.

Ord Mountains, San Bernadino County, CA - Initial sampling results were positive and suggest good potential for a 30 to 35 million ton oxide copper resource grading +.5% Cu. A strong exploration target is indicated where mineralized structures can be projected beneath pediment cover. Efforts are underway to gain additional information and determine lease terms.

305-NV Generative:

East Humboldt Range/Secret Valley, Elko County, NV - Twenty-six rock chip samples yielded weakly anomalous gold. Several sections hosting untested jasperoids are privately held and access permission will be required prior to further sampling. Additional research on this area is warranted.

Iron Blossom Mountain (Area A), Eureka County, NV - Initial sampling of altered volcanics

is considered a prospective oxide copper resource that could be commingled with inferred ore reserves at Little Hills.

Burney Mines Area, Canada Del Oro, Pinal County, Arizona: Located in T10S, R15E, unsurveyed. Historically this area is reported to have produced gold, silver, and lead. More recent activity included limited production of oxide copper flux material by Dave McGee. In addition, exploration activity in the 1980's including some drilling, defined a small resource of low-grade silver mineralization grading .5 to 1 oz/ton.

Limited select sampling in this area tested prospect showings along approximately 2500 feet of a west-northwest trending structural zone cutting siliceous metasediments. Near vertical, oxidized and bleached breccia zones up to 30 feet wide were observed at several locations and best developed where the west-northwest structure is cut by north-south faulting. Mineralization is typically composed of quartz vein and breccia hosted galena with lesser sphalerite, pyrite, chrysocolla, and malachite. Mineralizing fluids appear to have been derived from an underlying intermediate composition porphyry. Some poddy, massive pyrite with local oxide copper was noted near this contact.

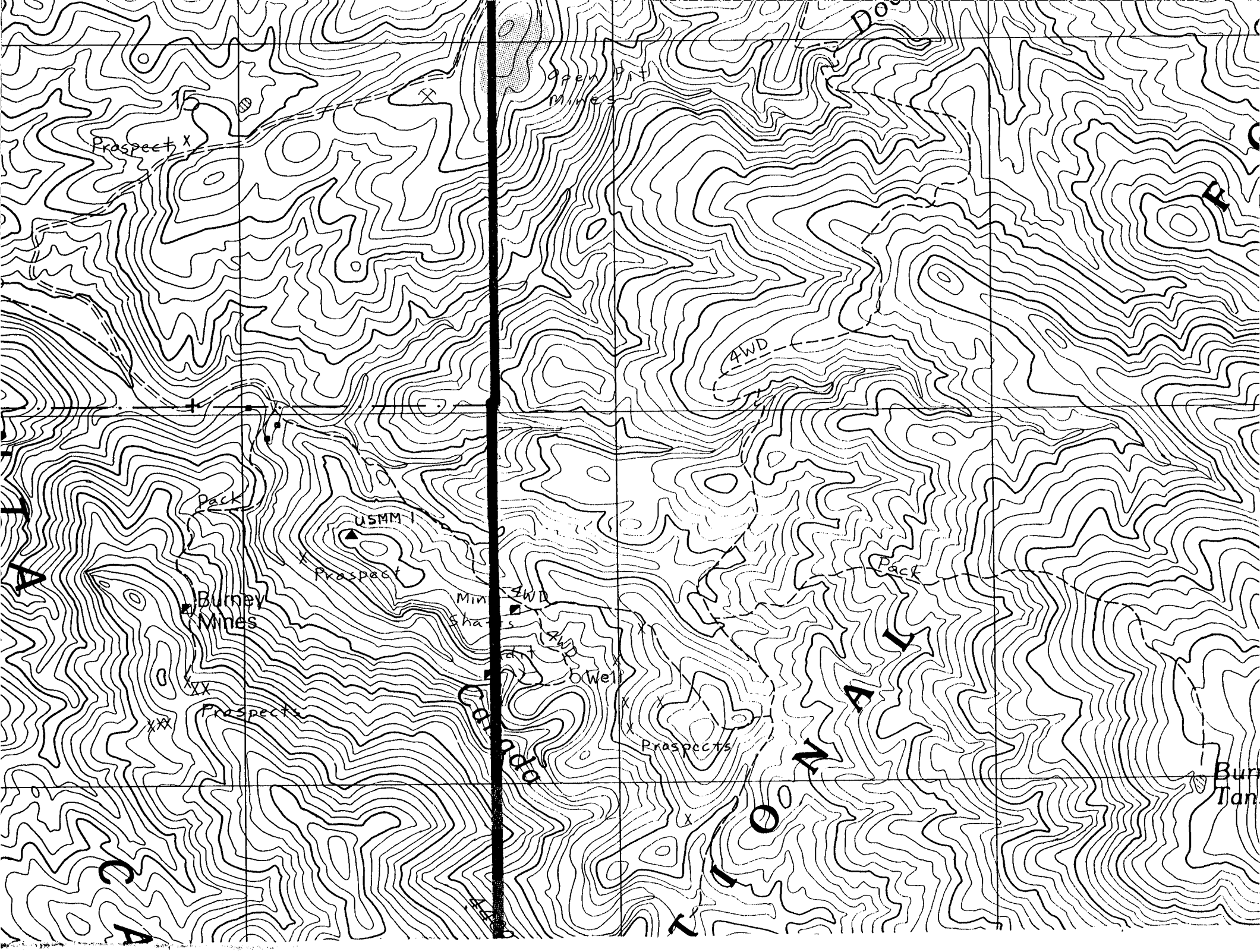
Seven samples collected in August yielded trace gold and highs of 1.3 oz Ag, .59% Cu, 21.3% Pb and .36% Zn. Workings reported to have produced high-grade gold ores were inaccessible but may be exposed by Dave McGee in the near future.

At least one reported showing of oxide copper mineralization was not visited, and will be the focus of further work. At this time copper mineralization appears to be best developed along north-south faults peripheral to the west-northwest structure hosting the Burney Mine. Access is difficult in the Burney Mine area due to poor roads and steep bluffy terrain.

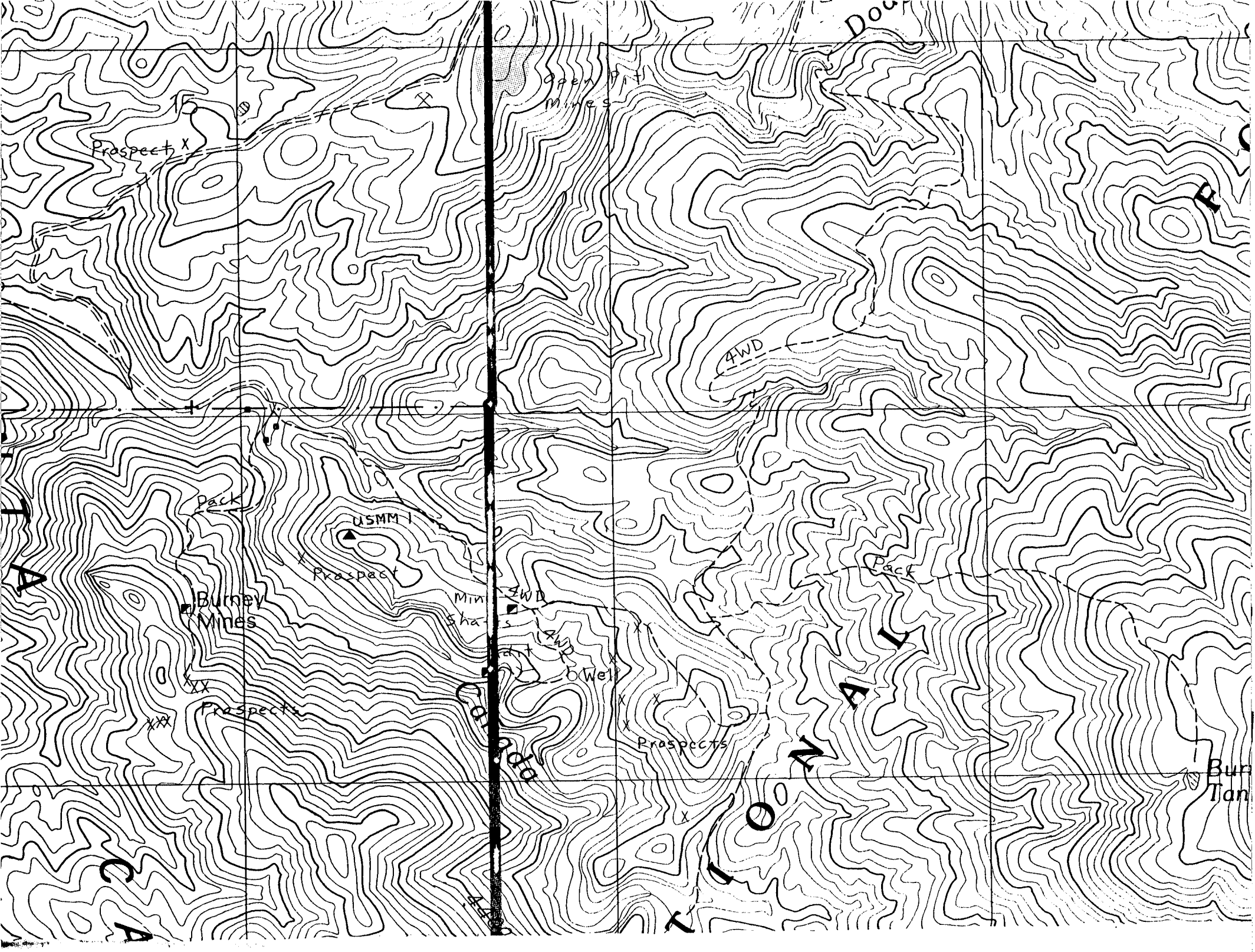
Ord Mountain, San Bernadino County, California: Located in Sections 30, 31, and 32, T7N, R2E; and Sections 6 and 7, T6N, R2E. Copper mineralization, closely associated with north-south aligned quartz veins and siliceous latite and rhyolite porphyry dikes cutting quartz monzonite, is exposed in a structural zone measuring up to 600 feet in an east-west direction and intermittently along strike in a north-south direction for 7000 feet. Chrysocolla and lesser malachite, best developed in 5 to 30 foot wide quartz veins and linear quartz stockwork zones also show better grades where the north-south regional fabric is cut by east-west to north 40°W fracture sets measuring 20 to locally 100 feet in width.

Mineralization appears to be exclusively vein controlled. Evidence for disseminated sulfides is lacking and due to the generally low pyrite content the potential for enrichment is considered low. Silicification and potassic and sericitic alteration is locally evident but only well developed as narrow envelopes along vein selvages.

Open Pit Mines
Prospect
Oxide Cu
4WD
Pack
USMM 1
Slims workings
Prospect
Burney Mines
Lean Reef
Fault
Argalt
Min Shafts
4WD
Well
Birthday workings
Prospects
Copper Rose
Silic Metasedes
Hem Zone
Low Grade Ag
Prospects
Canada
Pack



Open Pit Mines
Prospect
4WD
Pack
USMM 1
Prospect
Burney Mines
Mine Shafts
4WD
4WD
Well
Prospects
Prospects
Pack
Canada



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