CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
http://www.azgs.az.gov
inquiries@azgs.az.gov

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James Doyle Sell Mining Collection

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Jim — Please call
505-325-7685
*/or leave a Message
Elmo Poteet
Farmington, N.M.
However he will call
again 'bout 8 pm. —

Me

1000 hrs
6/30/95

7/2 call: Elmo
~~has found~~ Nichol in
~~his car @~~ Moab
~~Will send data to~~
~~Holliday St.~~

1624

GEODATA Safford area

Jim Briscoe Morden L Property

W 885-9141

H 721-1375 ✓

Joe Murry Palmdale, CA 805-273-3328 FAX 805 273-3330

bought bunches of data from Geodata.

To Sell

Date 2-18 Time 11:50 ☒ AM ☐ PM

WHILE YOU WERE OUT

M Joe Murry

of

Phone ( ) Area Code Number Extension

TELEPHONED		PLEASE CALL	✓
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		URGENT	

RETURNED YOUR CALL ☒

Message

Operator

AMPAD EFFICIENCY®

REORDER #23-000

2/18:
He will check thru his archives & if he finds anything, he'll call back.

Rick Haesner collecting for Pamela

JDS.

wk 505/ 325-7685

home 505/ 327-1394

FROM: J. D. SELL 1/9-92

TO: Elmo

Your packet of material from your Bullard area — Yavapai Co and the Marla L Prospect — Graham Co has been received.

go see week of Jan 20th

I'll be reviewing it in the next several weeks & get back to you.

Thanks for the data

JD Sell

Marla L Property File
Graham Co, AZ
T5S, R25E
Thatcher 15' Quad
Silver City NMS

JDS

ASARCO

Exploration Department
Southwestern United States Division
James D. Sell
Manager

February 18, 1992

Mr. Elmo Poteet
Poteet Engineering Co.
P.O. Box 27
Farmington, New Mexico 87499

Marla L. Property
T5S, R25E
Graham County, AZ

Dear Elmo:

Thank you for the tour of the west Safford District.

Of the two samples of cuttings from the drill holes which I collected, neither had any values which would prompt you to go looking at +1500 feet in depth. Assays are attached with topo showing sample sites.

I have contacted the man who bought all the Geodata files when they disbanded, but he couldn't remember if the Safford drill data is part of the collection. He will dig thru the pile and recheck for the Safford data and contact me if he finds it.

Thanks also for the tour of the Bullard Peak area and best of discovery on all your projects.

Sincerely,

James D. Sell

James D. Sell

JDS:mek
Att.

cc: W.L. Kurtz

ASARCO Incorporated P.O. Box 5747 Tucson, Az 85703-0747
1150 North 7th Avenue FAX (602) 792-3934 Phone (602) 792-3010

JDS

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TAJ 738
February 12, 1992
ML #2 AND BC-14

ASARCO INCORPORATED
Attn: Mr. James D. Sell
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

Analysis of 2 Rock Chip Samples

ITEM	SAMPLE NO.	FIRE ASSAY Au* (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
1	ML #2	.004	18.	14.	60.
2	BC-14	.006	50.	14.	150.

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

ASARCO

FEB 14 1992

SW Exploration

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

INVOICE
NET 30 DAYS

Job No. TAJ 738
February 12, 1992
ML #2 AND BC-14

ASARCO INCORPORATED
Attn: Mr. James D. Sell
Southwestern Exploration
P.O. Box 5747
Tucson, AZ 85703

Analysis of 2 Rock Chip Samples

2 Au(ppm) @ $9.50.....	$19.00
2 Cu,Pb,Zn(ppm) @ $6.30*.....	$12.60
2 samples crushed, split and pulverized @ $3.20	$6.40
Totals	$38.00

* Multi Element Discount

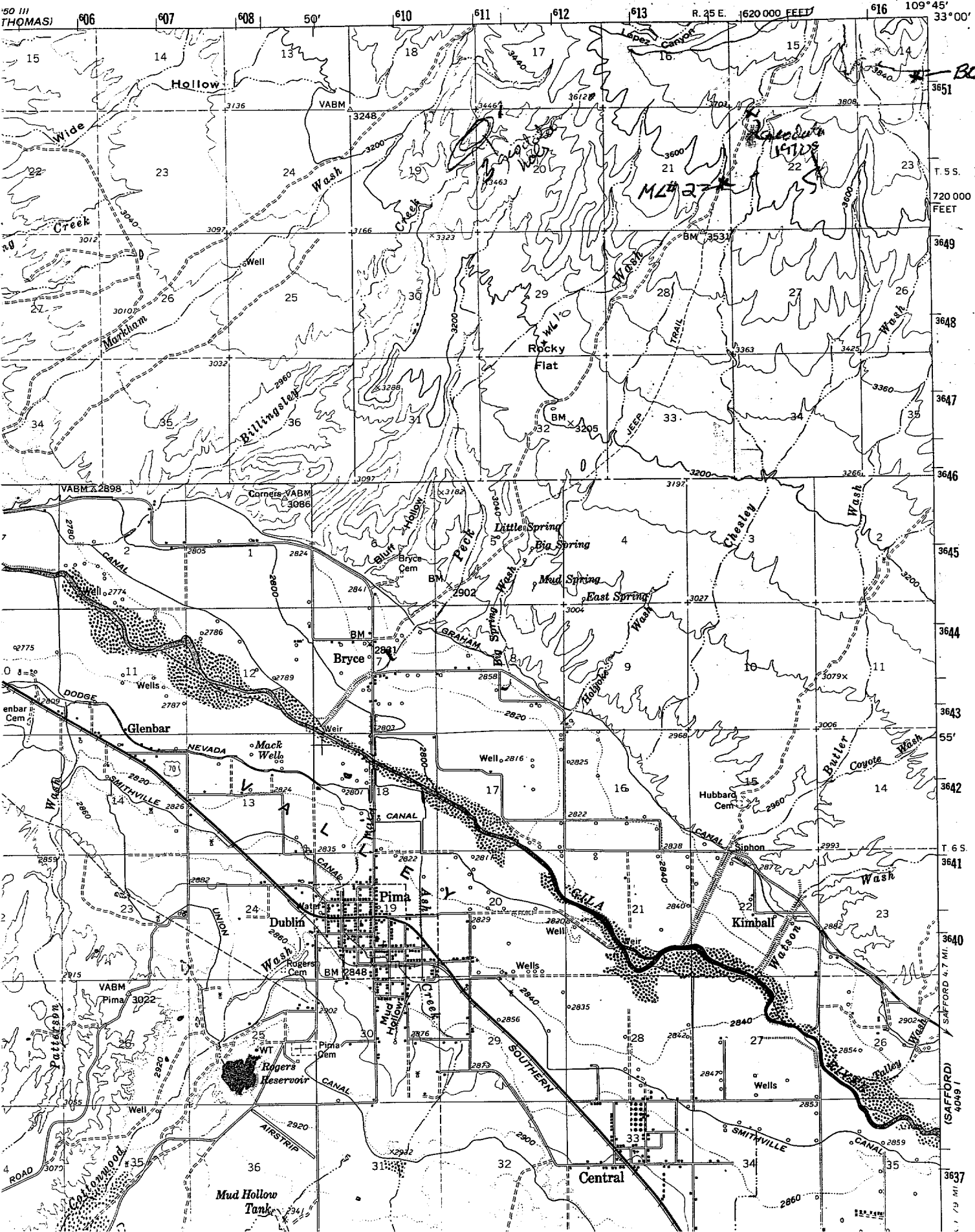
COPY

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

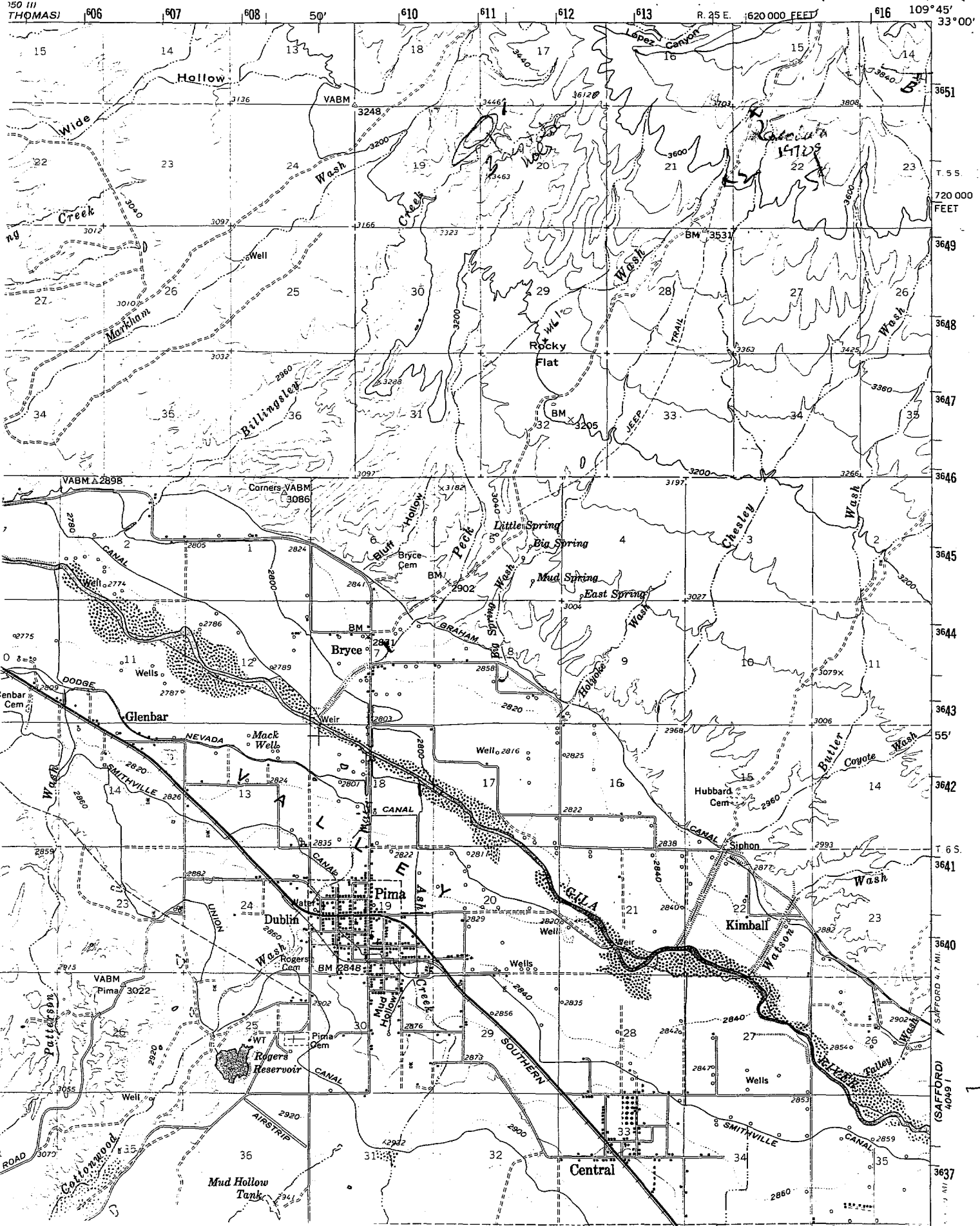
James A. Martin
Arizona Registered Assayer No. 11122

THATCHER QUADRANGLE
ARIZONA–GRAHAM CO.
15 MINUTE SERIES (TOPOGRAPHIC)



? Fort Thomas ?

THATCHER QUADRANGLE
ARIZONA–GRAHAM CO.
15 MINUTE SERIES (TOPOGRAPHIC)

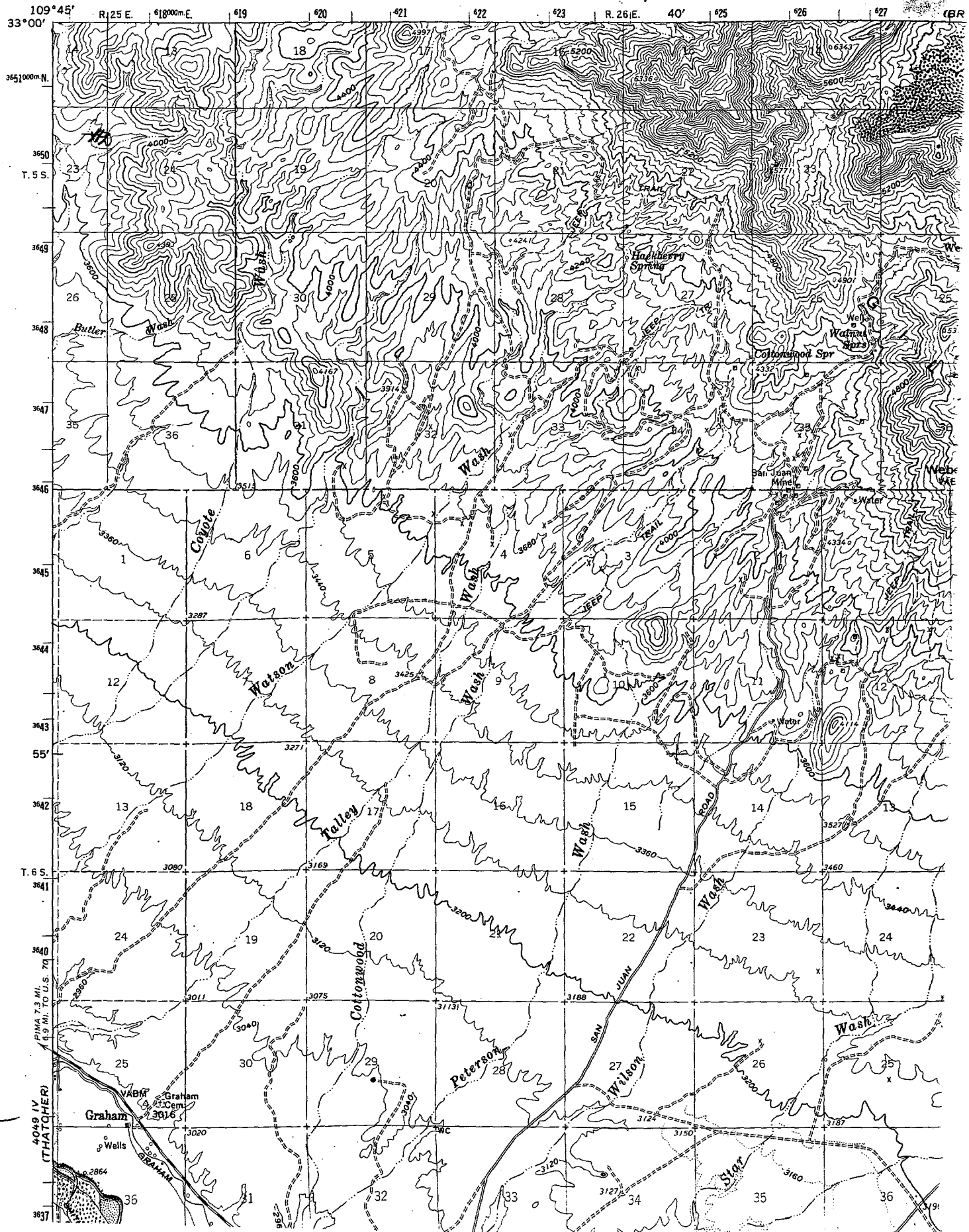


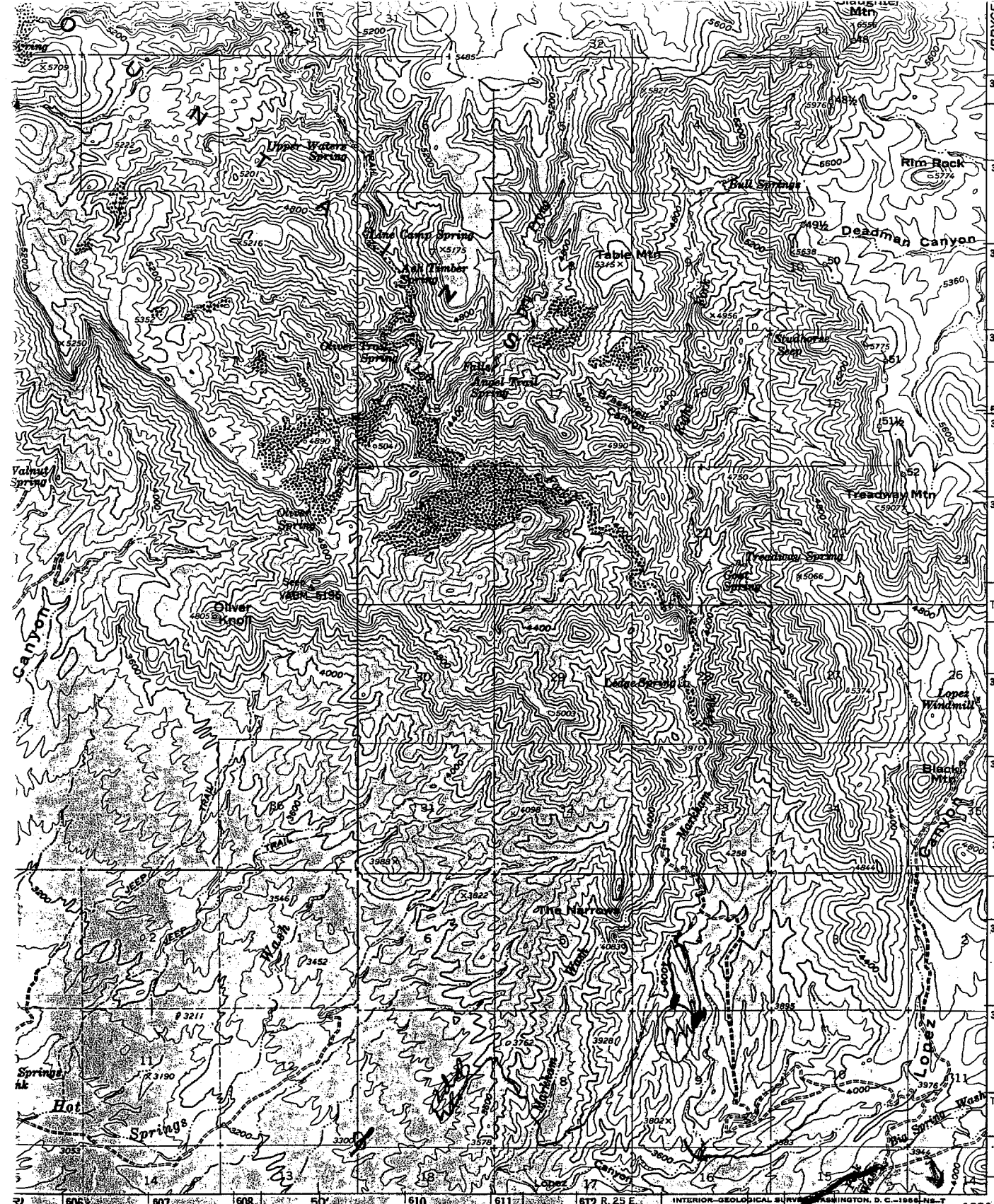
↑ Bryce mtn ↑

Safford

4050 III (FORT THOMAS)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





80 FEET
0-FOOT CONTOURS
A LEVEL

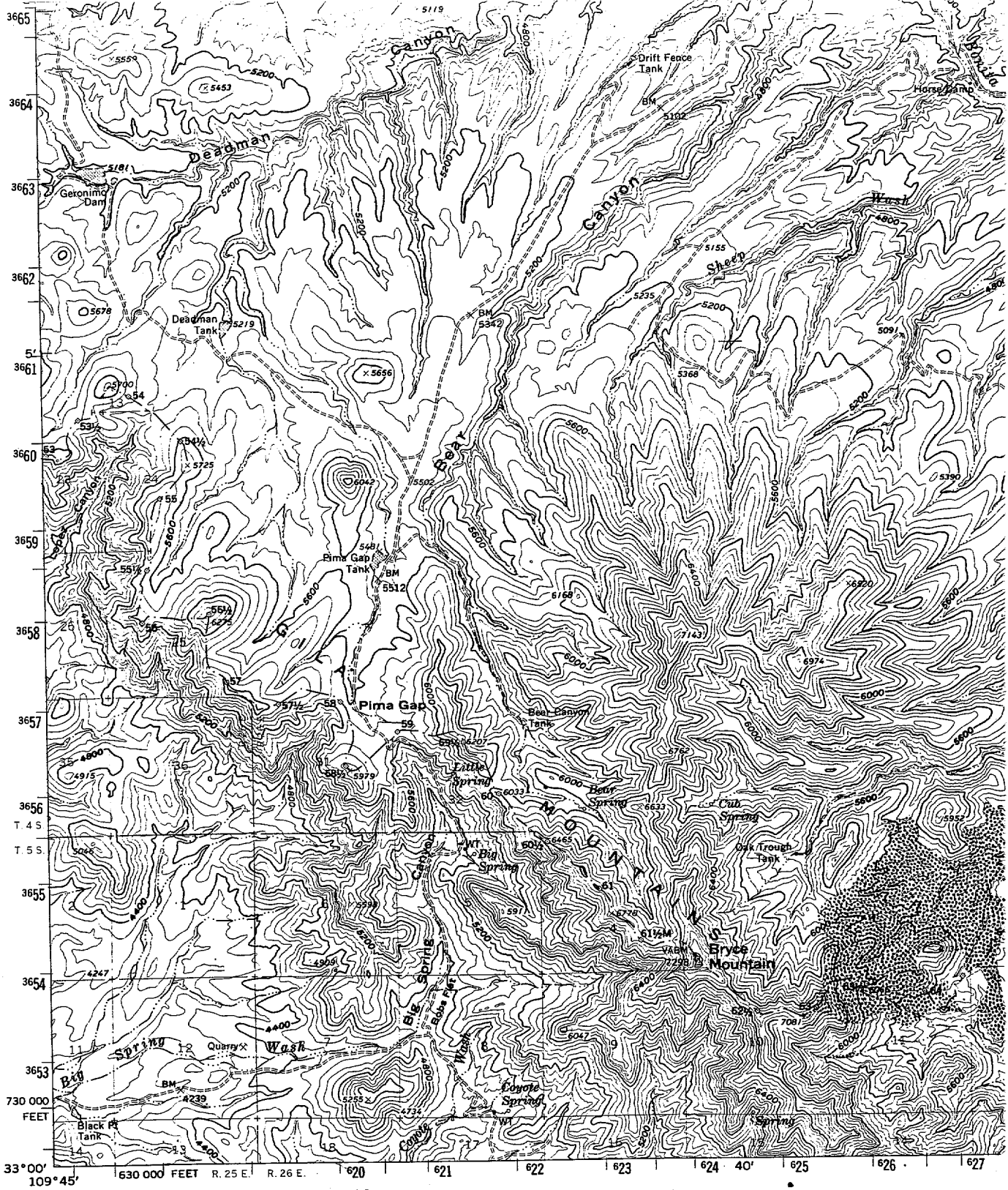
MAP ACCURACY STANDARDS
LORADO 80225, OR WASHINGTON, D.C. 20242
SYMBOLS IS AVAILABLE ON REQUEST

FORT THOMAS, ARIZ.

N3300—W10945/15

1960

AMS 4050 III—SERIES V798



(THATCHER) 4049 IV

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1959. Field checked 1962

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Where omitted, land lines have not been established

Bryce Mtn

GN MN 0°45' 13 MILS 13° 231 MILS

UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIE
FOR SALE BY U. S. GEOLOGICAL SURV
A FOLDER DESCRIBING TOPOG

Safford

Marla L
E Poteet
Graham Co

COSTS

2 days, 9 hrs, Jan 27-28, 1992 @ 35 8.30	= $ 716.60
Room 20.29 + 1/2 @ 65.30	= 52.99
Meals	= 51.55
Vehicle: 221 miles x 0.40	= 88.40
Assay: 2 Skylines	38.00
	$ 947.54

UNITED STATES POSTAL SERVICE
0000

AMOUNT
$2.90

U.S. POSTAGE
PAID
FARMINGTON, NM
87401
JUL 22 '94
00038614-01
85703-5747

Elmo

POTEET ENGINEERING CO.
P.O. Box 27
Farmington, NM 87499-0027
Phone: 505-325-7685

To James Sell, Exploration Manager

Asarco Inc.
P. O. Box 5747
Tucson, Arizona 85703

phelps dodge Mining Company
Exploration Group
Union Plaza Suite 300, 200 Union Boulevard, Lakewood, Colorado 80228
Telecopier (303) 989-8993 Telephone (303) 989-8873

May 18, 1994 Certified No. P 377 648 493

Elmo L. Poteet
P.O. Box 27
Farmington, New Mexico 87499-0027

Re: Exploration Data

Dear Elmo:

Enclosed please find the data developed on your property subject to the Mineral Lease and Purchase Option Agreement dated May 17, 1993.

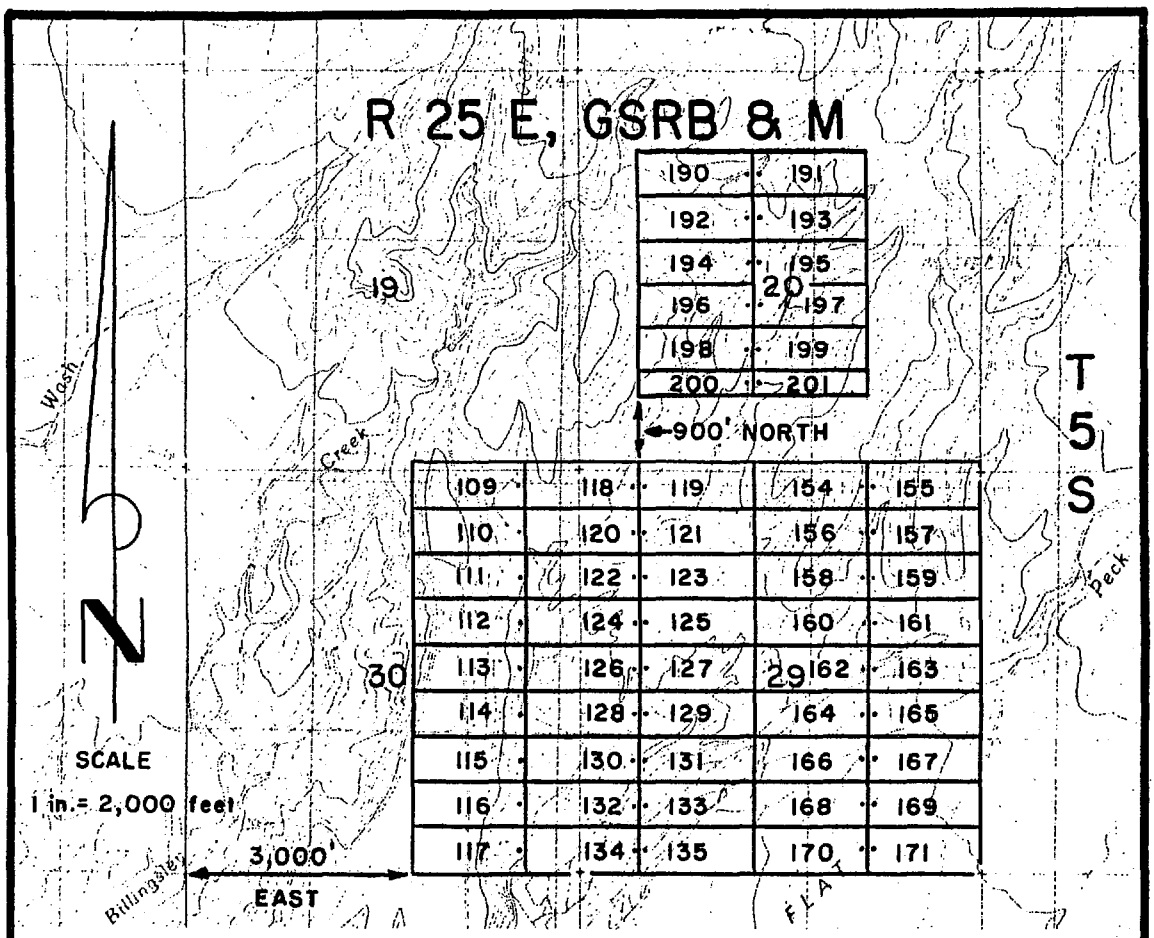
Included are drill hole logs and assays, geophysical data and vegetation sampling assays.

If you have any questions please give me a call.

Yours truly,

Don Stillwell

Don A. Stillwell
Landman

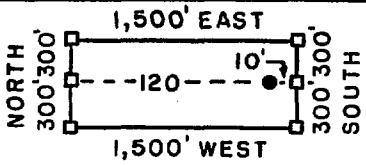


BILL LODE CLAIMS 109-135, 154-171 & 190-201

GRAHAM COUNTY, ARIZONA

ALL CLAIMS ARE 600' X 1,500' EXCEPT BILL 200-201, WHICH ARE 300' X 1,500'.

TYPICAL BILL CLAIM



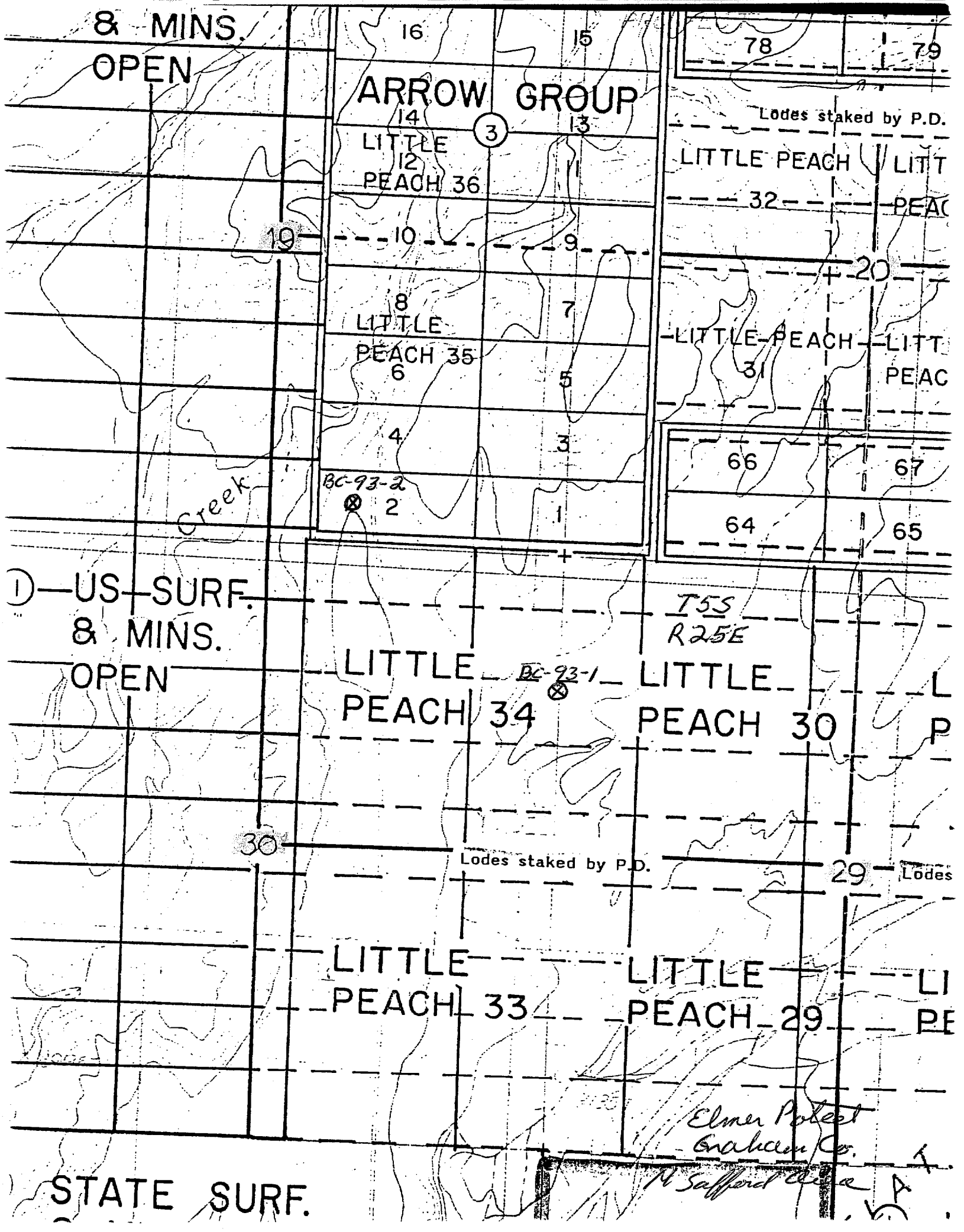
□ = CORNER MONUMENT / END CENTER MONUMENT

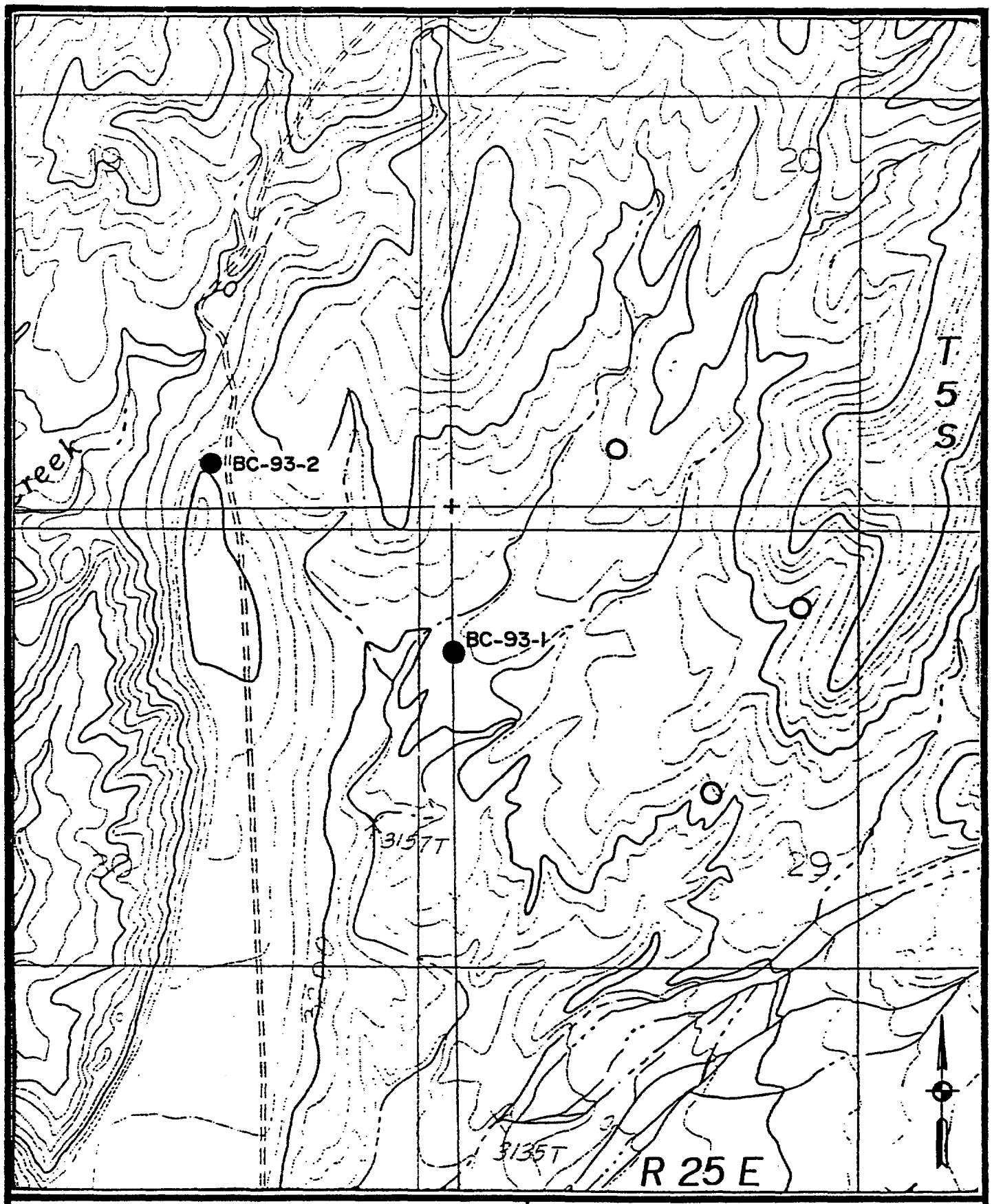
● = LOCATION MONUMENT

ALL MONUMENTS ARE 2" X 2" X 5' WOOD POSTS.

PHELPS DODGE MINING COMPANY
200 UNION BOULEVARD, SUITE 300
LAKEWOOD, COLORADO 80228

ATTACHED TO AND MADE A PART OF BILL LOCATION NOTICE
PAGE 2 OF 2


& MINS.
OPEN
ARROW GROUP
16
15
14
13
12
11
LITTLE
PEACH 36
10
9
8
7
LITTLE
PEACH 35
6
5
4
3
BC-93-2
2
1
Creek
78
79
Lodes staked by P.D.
LITTLE PEACH
32
20
LITTLE PEACH
31
66
67
64
65
US SURF.
& MINS.
OPEN
T55
R25E
LITTLE
PEACH 34
BC-93-1
LITTLE
PEACH 30
19
30
Lodes staked by P.D.
29
LITTLE
PEACH 33
LITTLE
PEACH 29
Elmer Poleet
Graham Co.
M Safford Ariz
STATE SURF.



○ PROPOSED DRILL HOLE
◒ DRILL HOLE IN PROGRESS
● COMPLETED DRILL HOLE

EXPLORATION GROUP - PHELPS DODGE MINING CO.

DRILL HOLE LOCATION MAP

BILLINGSLEY CREEK PROJECT

Graham County, Arizona

SCALE	H: 1" = 1000'	CONTOUR INTERVAL:		REVISIONS
	V:	DATE: 9/93	BY: ROW/mbc	
SHEET OF		DRAWING NO:		FILE: AZ 368

BC-93-1

PD35/93

Q368AZ
FORT THOMAS GILA MTNS. BILLINGSLEY CR.
368-5-25-29-
R.O.W.

T16560 1a (1057.5') SPL DATE: 10-8-93

The rock is an andesite, a porphyritic lava with plagioclase mostly fresh or lightly altered to illite and oxidized chlorite replacing hornblende. A little bit of quartz has begun to grow in the matrix.

T16561 1b (1074.5')

This is the same andesite as described above but here alteration of plagioclase to illite is far more advanced, especially the phenocrysts and quartz growth is more evident though still minor. Chlorite replacing hornblende is only partially oxidized.

T16562 1c (1087)

This is the same andesite as described above with alteration of plagioclase to illite moderately advanced. Chlorite replaces all of the hornblende and is an oxidized variety. Growth of quartz is more pronounced here and pods and vein-forms of this mineral have begun to develop.

T16564 1e ~~(1105')~~ (1107')

This is the same andesite as above but with texture blurred here for alteration of feldspars to illite is pronounced and heavy. Quartz growth is also more advanced here and mafite sites have disappeared for they are replaced by illite stained with hisingerite.

T16565 1f ~~(1107')~~ (1117')

This is the same andesite as above with oxidized chlorite and sometimes biotite representing mafites and plagioclase heavily altered to illite but not entirely so. Quartz growth is minor and patchy. Hematite was seen in vein-forms with no other gangue that cut the fabric.

T16566 1g (1121')

Perhaps this is the same rock as above but here textures have been destroyed for the rock is entirely altered to quartz-illite and carbonate was once present as strings of clustered grains running through the fabric. The carbonate has been oxidized and replaced by hematite. Veins of cherty-textured quartz cut the fabric in parallel.

T16567 1h (1130')

This is an andesite porphyry much like those described above but with some biotite phenocrysts as well as hornblende and phenocrysts more crowded. Quartz is present throughout the matrix and is presumed to have grown during alteration of plagioclase to illite. Oxidized chlorite has replaced mafites and any glass residue.

T16568 1i (1161')

This is an andesite like above with phenocrysts more crowded and quartz growth minor but even throughout the matrix. Biotite phenocrysts are often fresh but hornblende is altered entirely to chlorite and plagioclase heavily altered to illite.

T16570 1k (1182')

The rock is an andesite similar to those above but here with crowded phenocrysts and virtually no matrix giving it an hypabyssal aspect. Plagioclase is just lightly dusted with sericite/illite but mafites have been replaced by oxidized chlorite and Fe/Ti-oxide residue.

T16571 1l (1193')

An andesite much like above with virtually no matrix and crowded plagioclase rectangles joined by hornblende. The latter mineral is replaced by chlorite which is only partially oxidized and some carbonate is involved in the replacement. Plagioclase is crowded with illite but not heavily altered. Quartz growth is minor.

T16572 1m (1215')

This rock is presumed to be an andesite not a dacite and it shows autobrecciation features but is otherwise similar to those described above. Carbonate was one present as an alteration product of plagioclase and hornblende but is mostly leached and oxidized leaving goethite stain. Plagioclase is dusted with sericite/illite. Pods and vein-forms of quartz wander through the fabric and traces of anhydrite were seen in the sample.

T16573 1n (1220')

This is an andesite of finer grain size with mostly matrix microlites of plagioclase and only scattered phenocrysts. Plagioclase is clouded with sericite/illite but alteration is not far advanced. Fe-oxides, oxidized biotite/chlorite, and probably some carbonate have replaced mafites but the carbonate is leached and oxidized now.

T16574 1o (1237')

An andesite with a somewhat autobrecciated matrix and phenocrysts of plagioclase of various sizes. They are dusted with sericite/illite but not heavily altered. Mafites have disappeared leaving a residue of oxidized chlorite and goethite stain. Quartz has begun to grow along irregular fractures but the abundance of it is not great here.

T16575 1p (1250')

This rock is an andesite, less likely a dacite, with phenocrysts of plagioclase jumbled in a matrix of plagioclase microlites and quartz is interstitial to that. Carbonate was once fairly common here as an alteration mineral but has been leached leaving earthy goethite residue. Illite attacks plagioclase but only to a minor degree and mafites have vanished replaced by carbonate, oxidized chlorite, and then goethite.

T16576 1q (1259')

This is an andesite much like those described above but with a chilled matrix hosting crudely aligned plagioclase phenocrysts. Mafites are replaced by chlorite and Fe/Ti-oxide residue and a little quartz occurs in some pseudomorphs. It also is present in veinlets that wander through the fabric. Alteration of plagioclase to sericite/illite is minor here.

Q368AZ
FORT THOMAS GILA MTNS. BILLINGSLEY Cr. RECONN.
368-5-25-29-
R.O.W.

T16563 1d (1105') SPL DATE: 10-8-93

The protolith here is uncertain but may well have been a dacite. Grains of quartz within it may represent recrystallized phenocrystals and the rest of the matrix is a fine grained paste of illite derived largely from plagioclase but also from dark minerals where it is then associated with leucoxene. Thin vuggy quartz veinlets wandering through the fabric carry leached oxidized carbonate crystals.

T16569 1j (1167')

The rock is believed to have been an andesite and it has been brecciated and cemented by abundant granular calcite in veins and pods. Within the andesite fragments quartz has grown in the matrix, if indeed it is not primary, and plagioclase is fresh though now sodic. Illite has replaced mafites and represents earlier chlorite. Earthy hematite found in the calcite matrix is of uncertain origin.

T16577 1r (1271')

This is a fine grained porphyritic andesite lava with phenocrysts of plagioclase that are still fresh but now very sodic and sometimes they are replaced by orthoclase and then calcite. Calcite in fact pervades the matrix and fills fractures and also replaces hornblende together with quartz and chlorite. Veins of quartz and calcite cutting the fabric carry pyrite and minor amounts of anhydrite.

T16578 1s (1292')

This is a coarse grained andesite similar to 1j described earlier and showing still fresh but cloudy albite representing the original plagioclase. Mafites have been obliterated for they are replaced by chlorite entirely with accessory magnetite. The rock is cut by veins of feathery quartz prisms with considerable interstitial calcite and these carry pyrite and chlorite as well.

Q368AZ
FORT THOMAS GILA MTNS BILLINGSLEY Cr.
DRILL HOLE NO. BC-93-1
368-5-25-29
R.O.W.

T16589 2a (1318′) SPL DATE: 10-19-93

This rock may have been an andesite originally but textures are blurred here for quartz has grown as ragged patches throughout the matrix whilst illite occurs as a paste-like mass replacing all former feldspars and mafites. Partially oxidized sulfides occur in vein-forms with a gangue of quartz and tiny grains of anhydrite were seen in the quartz.

T16590 2b (1366′)

This rock shows a distinct fluidal structure and surely was andesite originally. Much of the plagioclase here is fresh; it is present as lath-like grains flowing in parallel through the matrix but the plagioclase is dusted with sericite. Hornblende is replaced by hydrobiotite and biotite may have been an intermediate alteration product. Veins of coarse almost cherty-textured quartz cut the fabric and these features have no other gangue minerals.

T16591 2c (1379′)

This is an andesite, a fluidal porphyry similar to that described above with plagioclase showing dusting by illite and traces of sericite and quartz growing on grain boundaries throughout the matrix. Cherty-textured quartz also occurs in veins that cut the fabric. Patches of minute cloudy needles of tourmaline occur in mafite sites.

T16592 2d (1400.5′)

This is a fluidal andesite with plagioclase dusted by illite and minor amounts of sericite and quartz growing as irregular patches throughout the matrix. Biotite once represented some of the mafites but much of it has decayed to clays, probably smectite. Incipient quartz veins cut the fabric and carry some calcite.

T16593 2e (1403')

The texture of this rock can no longer be determined though it seems to have been an andesite with numerous large plagioclase phenocrysts. Quartz has grown strongly throughout the matrix as crystalloblasts and veins of cherty quartz cut the fabric carrying sulfides. Calcite occurs in the veins, often filling their interiors and illite is present in abundance replacing plagioclase in the walls.

T16594 2f (1419')

The texture of this rock has been destroyed for it has been replaced almost entirely by cherty-textured quartz with sprays of tiny tourmaline needles floating in it as inclusions. Calcite is also abundant, occurring sometimes with sericite in patches representing former feldspars.

T16595 2g (1440')

This rock is an andesite showing fluidal structure and the plagioclase in it is heavily clouded with sericite and illite. Biotite occurs in mafite sites but much of it seems to have altered to sulfides, or chlorite, or hydromicas. Veins of granular calcite cutting the fabric carry some sulfide.

T16596 2h (1466')

This rock is believed to have been an andesite and fluidal structure is visible in most areas. The plagioclase here is mostly fresh, just lightly dusted with sericite and biotite represents mafites in pseudomorphs where it is joined by Fe-oxides and then some retrograde pennine. Occasional thin veins of calcite cut through the fabric sharply.

T16597 2i (1506')

The rock is an andesite, a fairly coarse grained unit with quartz growing as ragged patches on grain boundaries but not uniformly present. Dust-like Fe-oxides and smectite derived from biotite have replaced mafites. Plagioclase hosts very little sericite here and calcite was found in a few former augite phenocrysts.

1" = 10'

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vertical	Logged By ROW Date 10/93	Hole Number BC-93-1	Page 1 of 5

TD 1508.5

Intrvl / Smpl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Kap, Bio, Chl, Epi, Q-S, Sil, Arg, hem	Mineralization (Volume %): Jar, Gos, Hem, Cu Acid Test, Cup, Neo, Ten, Bro, Mal, Chr, Cc, Cov, Cpy, Py, CO_2, Mn	Enr & Cap	Notes
— 1040	—	TCu, XCu	Rec, RQD, No., Long	Gila Cond.					N 25 – 1049.5) Gila(?) Conglomerate subangular to rounded vol. and intrusive clasts - matrix supported loss - supergene alt. - some clasts
— 1049.5	—	SAP, Rec	Rec, RQD, No., Long		No sig Oxidation @ contact				Stone altered w chlor / epidote - chlor. Note: No sig. oxidation @ contact
— 1060	—	Ag, Au, Zn	Rec 100%, RQD, No., Long	(Dp)	minor - Trace $CaCO_3$ in fxs	✓ mod	tr. diss. / WK on fxs / min.	hem Jar. in fxs	1049.5 – Andesite / Dacite Por. light green - brown por. w argill Plag phenos - chloritized bio - chlor. FeOx halos - fxs coated w lim
— 1070	—	S, Spec Grav	Rec 100%, RQD, No., Long	hem lim	increasing chlor. lim in groundmass	✓ mod / ✓ WK.	tr. diss. / " / "	"	MnO_2 - diss. MnO_2 1069 – 1071 Tight fx zone w fxs coated
— 1080	—	Bottle Test Recov, Elev	Rec 100%, RQD, No., Long	(Dp)		✓ mod. / mod fx.	tr. diss. / " / " Mod on fxs	hem fxs.	by hematite lim. minor MnO_2 - MnO_2 diss. in core adj. to fxs. fxs @ 80° 1073 4 Bands of FeOx chlor @ 70°
— 1090	—	TCu, XCu	Rec 100%, RQD, No., Long	(Dp)		✓	" / "	"	trace diss. py along tight fxs. mass - MnO_2 in fxs "Iron"
— 1100	—	SAP, Rec	Rec 100%, RQD, No., Long	hem MnO_2	1099 – 1107 - Fault gouge	✓ mod str / ✓ mod	FH str hem / " / str fxs	hem FH gouge	1096 – 1107 Fault / alt zone. - fxs coated w hem - MnO_2 - bleached argill
— 1110	—	Ag, Au, Zn	Rec 95%, RQD, No., Long	Jar	hem / Jar - bx. Mass. MnO_2 in fxs. 1107 – 1111 - Jar in fx. in chlor Dp.	✓ str / str ✓ mod	FH hem / " / mod str "	hem str Jar fxs	Dp. - bx fragments alt Dp
— 1120	—	S, Spec Grav	Rec 90%, RQD, No., Long	(Dp) Dac An.	Dacite - Andesite Por decreasing hem - gouge - clay ser.	✓ mod str / ✓ mod	Jar fxs. / " / "	Jar - hem. FH gouge	1113 - Decreasing plag - phenos / mass Andesite - Dacite flow unit - ground mass hem / lim. - diss. MnO_2 chlor. bio
— 1130	—	Bottle Test Recov, Elev	Rec 93%, RQD, No., Long		Jar. MnO_2 in fxs. Jar. in fx. - chlor.	✓ mod str / ✓ mod	hem FH Jar / "	fx. Jar. fxs. hem	1119 – 1126 FH. fx zone - hem. - chlor Jar. in fxs. - Texture of Dac. to tuff perves. clay - ser. 1127 – 1130 hem. chlor. slips @ 60°

Billingsley CREEK	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation	Logged By Row Date 10/93	Hole Number BC-93-1	Page 2 of 5

Intrvl / Smpl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Ksp, Bio, Chl, Ep1, Qz-S, Sil, Arg	Mineralization (Volume %): Jar Gos Hem / Cu Acid Test, Neo, Cup, Ten, Bro, Mal, Chr, Cc, Cov, Cpy, Py, CO_3, Mn	Enr & Cap	Notes
1140		TCu, XCu	Rec 95%, RQD, No., Long	Dp	1135-1132 - fx. zone hem - Jar. 1137 Several 1/8" qtz-$CaCO_3$ vns. @ 70° - tight	Chl: fxs fill coating; Arg: wk fxs	Mn: Mod fxs	hem - Jar fxs.	(Cont.) And - Dacite por ; chlor. bio - small subhdrl plag. - fxs. with hem - Jar. - chlorite on slips fxs - filled mini. lgtz treally
1150		SAP, Rec	Rec 83%, RQD, No., Long	Dp. bx	fxs. w Goe / Jar. / chlor 1143-1147 fxs - bx zone hem - MnO_2 on fxs.	Chl: " ; Arg: Mod str fx zone	Mn: Mod fxs	" ± Goe.	1143-1156 - Freq. - bx zone - qtz frag. dp - fxs in MnO_2 coating - chl. - hem - @ 70-80°
1160		Ag, Au, Zn	Rec 93%, RQD, No., Long		bleaching fx. - hem @ 1158	Chl: " ; Arg: wk fxs	Mn: "	"	
1170		S, Spec Grav	Rec 98%, RQD, No., Long	Dp	1168 bx Dp - flt gouge matrix - Jar. / hem.	Chl: " ; Arg: "	Mn: Wk fxs	Goe Jar fxs bx	1164-1170 Str. fxs - flt / bx w qtz-$CaCO_3$ diss. MnO_2 in vns. - stockwork 1169-1170 1/4" qtz. $CaCO_3$ vn @ 70° w
1180		Bottle Test Recov, Elev	Rec 95%, RQD, No., Long	Dp Ant	Rubble zone - str. fxs. @ 1174-1180 - gouge	Chl: chlor fxs; Arg: str pervs fx zone	Mn: "	str Goe Jar. fxs	chlor - MnO_2 - Jar on adj. fxs. 1174-1180 Str. fx-flt zone - bleached Dp w hem - Jar. on fxs
1190		TCu, XCu	Rec 98%, RQD, No., Long	Dp	on slips 1180-1182 pervas. chlor. hem - matrix - fxs. 1186 - slip fx @ 75° - chlor hem	Chl: " ; Arg: wk	Mn: "	Goe Jar + hem fxs.	hem - Jar oxide halos adj. to fxs. And - Dac. Por. - tight fxs w hem - Jar. - chlor. bio
1200		SAP, Rec	Rec 93%, RQD, No., Long			Chl: thick on flt surf. ; Arg: "	Mn: "	"	
1210		Ag, Au, Zn	Rec 100%, RQD, No., Long	Dp Oxid. hem Jar.	Note: 1200 - N 1232 Dp - str. oxidized hematite on fxs as halos - dendrite of Fe - Mn / bands	Chl: m fx; Arg: str. flt gouge	Mn: Mod Ox.	str. on fxs. + diss.	1201-1208 flt - gouge zone @ 80-90° Jar - hem. alt halos fxs - veins gouge - clay 1209 Cavities lined MnO_2 - py
1220		S, Spec Grav	Rec 97%, RQD, No., Long		hem - Jar.	Chl: " ; Arg: wk	Mn: tr. hard incr	" ± Goe Jar.	pervasive argill. - Jar. pervasive w deep red hematite halos around fxs. 1218 gouge - flt
1230		Bottle Test Recov, Elev	Rec 92%, RQD, No., Long	Dp. hem fxs		Chl: " ; Arg: "	Mn: "	"	1224-1229 Patchy - pervasive Fe st - ox w hematite halos - pervas Jar - Goe.

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By ROW Date 10/93	Hole Number BC-93-1	Page 3 of 5

Intrvl / Smpl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Kep	Bio	Chl	Epi	Q-S	Sil	Arg	Mineralization (Volume %): Jar Goe Hem / Cu Acid Test	Neo Cup	Ten	Bro	Mal	Chr	Cc	Cov	Cpy	Py	CO_2	Mn.	Enr & Cap	Notes
— 1240	—	TCu / XCu	Rec 90% RQD No. Long	DP				Hard fxs				WK fxs											on fxs. WK		lim-Jar. + Goe on fxs	lim-tight fxs @ 60-70° w Goe/Jaro. Jarosite (kaol?) pervasive
— 1250	—	SAP / Rec	Rec 95% RQD No. Long	Dp	Jarosite - Goe./on fxs pervasive Jar.			"				"											"		"	1247-1252 Pervasive Jarosite w minor Goe. on fxs.
— 1260	—	Ag / Au / Zn	Rec 95% RQD No. Long					"				"											"		"	1258 pervasive chlor adj. to fx @ 30°
— 1270	—	S / Spec Grav	Rec 100% RQD No. Long	Oxid. ↑ Sulf ↓	1267 fx @ 40° - Jaros. - py. @ N 1268 Ox - Sulfide interface - chlor-tr. becomes dominant + overpas. chlor			"				" Jar											"		< OX - minor Jar. fxs	1262 slip-gouge @ 60°/ Goe/Jar. 1268 Sulfide zone / qtz-py vns.
— 1280	—	Bottle Test Recov / Elev	Rec 100% RQD No. Long		1273-1274 fx-zone w py-chlor. - hornf/t halo. 1276-1279.			str. fxs vns				"											"		WK Jar. fxs	w chlor & clay-sericite alt halos up to 1" locally. (Dacite - Latite) @ sulfide contact. Euhedral phenos - fragmental plag
— 1290	—	TCu / XCu	Rec 90% RQD No. Long	Dp-	Jar. on fxs. w residual py - $CaCO_3$ - chlor	fxs? vns		"				"											"		No sig. OX.	alt. clay - kaolinite replacement - Kspar. phenos? - Sub-Euhedral in aphanitic gray matrix
— 1300	—	SAP / Rec	Rec 90% RQD No. Long	Dec.	Wk chlor. hio - ∠ plag phenos Dacite - latite	"		"				"											"		⅋	1292 - ⅛" qtz-chlor - $CaCO_3$ vn @ 50° minor diss. py 1299 ½" fx. - seam @ 65° w chlor - py
— 1310	—	Ag / Au / Zn	Rec 100% RQD No. Long					"				"											fxs vns w qtz		WK local fhs	bleached halo - diss. py. 1303 irregular qtz chlor seam ⅛-¼"
— 1320	—	S / Spec Grav	Rec 92% RQD No. Long	Dec	Note: tight fractures w pyrite - chlorite 1319. Major fault - by zone gouge - pyrite Jarosite!			" fxs vns				WK w chlor											"		" Jar. in FHS.	w chlor! selvages & aggreg pyrite 1316 fxs @ 80° w ½ Jarosite halos
— 1330	—	Bottle Test Recov / Elev	Rec 84% RQD No. Long	Dec				" fh gouge				str fh gouge											str. gouge		"	Fault-breccia zone - gouge str. pyrite @ 60° - 1319' - diss. py throughout - gouge w clay - Jarosite to N 1330'

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By ROW Date	Hole Number BC-93-1	Page 4 of 5

Intrvl — Sampl #	TCu — XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Xsp	Bio	Chl	Epl	Q-S	Sil	Arg	hem	Mineralization (Volume %): Jar Goe Hem / Cu Acid Test	Cup	Neo Ten	Bro	Mal	Chr	Cc	Cov	Cpy	Py	CO_3	Mn	Enr & Cap	Notes
— 1340	—	TCu XCu	Rec 81% RQD No. Long	Jar.	1330-1331 str. Jar. after pyrite in fxs. 1339-1347 fx-slip			perv. wk Mod.			wk Mod.	vn slory												Trace fxs.	flt zone Trace	Jarosite in fxs: after py	Andesite / Dacite - flow unit < porphyritic in character; green chlor pervasive wk-mod / alt of biotite py-qtz vns predominant w bleached
— 1350	—	SAP Rec	Rec 91% RQD No. Long		1/4" @ 85° - thick Jar.			"			"	"												"	"	"	alteration halos - Oxid of pyrite to Jarosite continues along fracture zones to depth. / Specr hematite (primary) in veins and silicification
— 1360	—	Ag Au Zn	Rec 94% RQD No. Long	Sil. Jar. fxs.	1356-1359 Jarosite fxs. chlor. bio / hem.			"			"	"												"	"	"	increasing; Calcite (isolated rare) on some fracture surfaces - gypsum coat. fractures w Jarosite;
— 1370	—	S Spec Grav	Rec 60% RQD (Hole Unstable) No. Long					"			"	"												"	"	Spec. hem. "	Note: 1350-1376 Tight fxs @ 70-80°; coated with Jarosite - Gypsum - py - $CaCO_3$ - diss. bio - retrograde? to chlorite
— 1380	—	Bottle Test Recov Elev	Rec 80% RQD No. Long	Jar. qtz. Jar.	1371 str. Jar. on fxs. 1376-1378 flt gouge - Jar. py. @ 60-70°; 1378 - 1380 Sil. floating			"			"	"												"	"	Spec. hem. "	throughout - core siliceous overall.
— 1390	—	TCu XCu	Rec 93% RQD No. Long	Sil.	bleached pyrite boxwork @ 60-80°/bleaching-sil zone Note: increasing sil. Spec. hem		diss adj. vns	"			> on fxs	"	Trace											"	"	"	1380-1398 Tight fxs @ 60-80° w Jarosite
— 1400	—	SAP Rec	Rec 94% RQD No. Long	Jar qtz bio.	1398-1399 Qtz flood in pyrite boxwork - Jarosite, Silvages of spec. hem. to qtz vns.	Trace "	> qtz py vns	"			fxs wk perv sive	"	on fxs											"	Good pitted Mn?	"	Calcite - Gypsum MnO_2 dendrites 1396 - Well formed Manganese dendrites Note: 1399-1401 Secondary Bio becomes prominent
— 1410	—	Ag Au Zn	Rec 100% RQD No. Long	spec. py chlor.	1402-1405 1-2" fxd vn. multistage w bleaching of rsl. sil / vuggy pyrite	selvage w/ hem.	"						fxs. locally											"	tr. fxs	Wk.	occurring as packed clots adj. to qtz pyrite vns & disseminated in core Silicification increasing @ ~1380 w bio: spec. hem; evidence of Kspar
— 1420	—	S Spec Grav	Rec 98% RQD No. Long	Dike	specularite w qtz stringers on adj. fxs		"	fxs adj. vn			str. in vn zone	adj. vn.												"	"	on fxs after py.	alteration halos pass. to some vns. 1402-1405 Vn/fx zone 1-2" wide @ 70° spec. - py - chlor - qtz. 1419-1420 Intrusive felsic - aplitic dike
— 1430	—	Bottle Test Recov Elev	Rec 95% RQD No. Long	spec. hem	1419-1420 Dike @ 55° bleached contacts		"	"			"	"												"	"	"	diss. py - bleach / silica contacts - aggreg. w felsic constituent. - spec. hematite coats fxs. and fills vugs in core adj. to dike

Billingslea Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By RDW Date 10/93	Hole Number BC-93-1	Page 5 of 5

Intrvl / Sapl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Xap, Bio, Chl, Ep1, Q-S, Sil, Arg, hem	Mineralization (Volume %): Jar Gge Hem / Cu Acid Test, Cup, Neo, Ten, Bro, Mal, Chr, Cc, Cov, Cpy, Py, CO_2, Mn.	Enr & Cap	Notes
1440		TCu XCu	Rec 90% RQD No. Long	chlor py py. clay.	1438 fx vn 4" @ 30° qtz-py 1440 2" fx vn @ 20° w diss. py rotic. Kspar - clay - chlor.	Mid M fxs str spec. hem fxs.	str fxs-locally WK fxs fr.	WK Jar. m fxs-locally	Dacite? siliceous flow unit - chlor. bio intermediate? Sericitic bio assoc. in vns and fx zones - strong spec. hemat. to m fxs and in silicates in vns.
1450		SAP Rec	Rec 95% RQD No. Long			diss silt " zoned M VR calcite?	" " "	"	py dis. along fxs - spec. and filling vugs fractures - locally sil. adj. to vns is strong - multistage vns is bleached halos & cobbwebbed w spec. hem.
1460		Ag Au	Rec 100% RQD No. Long	spec. py Jarc.	1450-1454 Tight fxs - vn @ 50-60° w halos ↑ sec. bio - chlor. Jarosite - spec. hem on fxs	Mid fxs fr "	" " "	" No Oxid.	Calcite in fractures late - Jarosite in fractures after pyrite.
1470		Zn S Spec Grav	Rec 93% RQD No. Long	py. bio	1461 Tight fxs w py. 1464 Sec. bio on fxs incon. halos adj. to fxs.	" I "	" " "	↓	Siliceous - dark andesite / Dacite - Tight fxs - vns w spec. hem - bio - chlor. py. bleaching adj. to fxs or vns locally
1480		Bottle Test Recov Elev	Rec 93% RQD No. Long		Note: core siliceous and WK fxd. vn.	" M "	" " "	↓	
1490		TCu XCu	Rec 82% RQD No. Long	py fxs. gouge qtz py spec. fxs spec hem	Fit gouge w pyrite - spec. bleaching of adj. core. 1489 1-2" qtz py vn @ 70° Thick coating - spec. hem on fxs - sil assoc.	" str. fxs fit gouge str. med	" str fxs. vns " "	↓	Note: 1484-1493 Fault fracture - vein zone; fit gouge @ 1483-1489 - multi: tone qtz-py vn @ 60-70° (1489-1493) w/ fxs - cntd by spec. hem - py. - chlor. Fractures adj. to vns fit cntd w py.
1500		SAP Rec	Rec 90% RQD No. Long				fxs. vns " "	↓	TD @ 1508.5 - no sig. veining
1508.5		Ag Au Zn	Rec 88% RQD No. Long	spec. py.	1506 Tight fxs w spec. hem py - leached $CaCO_3$ core sil.	" WK med	" Tight fxs	leached from fxs	
TD.		S Spec Grav	Rec RQD No. Long	TD				TD.	
		Bottle Test Recov Elev	Rec RQD No. Long						

SKYLINE LABS, INC.
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Tucson, Arizona 85703

LOCATION:
BILLINGSLEY CREEK PROJECT
GILA MTNS.
QUAD 368
ARIZONA

BC-93-1

JOB NUMBER TEO4371
October 28, 1993
I.D. NO. 93-965
16560-16578

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

REPORT OF ANALYSIS

Analysis of 19 Rock Chip Samples

R. O. WHITE

SPL DATE: 10-8-93

	ITEM	SAMPLE NO.	T-NUMBER	TWNP	RGE	SEC	NO..	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Bi (ppm)	Ni (ppm)	Cd (ppm)
(1057.5')	1	16560	5	25	29		la	< .02	.2	110.	6.	240.	.3	38.	< .1
	2	16561					b	< .02	.2	145.	22.	260.	.3	50.	< .1
	3	16562					c	< .02	.1	150.	16.	260.	.6	75.	< .1
	4	16563					d	< .02	.1	36.	10.	50.	1.0	8.	.1
	5	16564					e	< .02	.3	140.	8.	115.	.4	20.	.2
	6	16565					f	< .02	.2	85.	12.	245.	.3	28.	.2
	7	16566					g	< .02	.1	26.	38.	48.	.6	6.	< .1
	8	16567					h	< .02	.2	105.	22.	170.	.2	22.	.1
	9	16568					i	< .02	.2	135.	16.	165.	.2	22.	.7
	10	16569					j	< .02	.1	110.	26.	155.	.1	30.	.4
	11	16570					k	< .02	.2	60.	8.	125.	.2	48.	< .1
	12	16571					l	< .02	.2	80.	22.	155.	.3	46.	.1
	13	16572					m	< .02	.2	225.	18.	185.	.1	100.	< .1
	14	16573					n	< .02	.1	50.	46.	195.	.5	80.	< .1
	15	16574					o	< .02	.1	65.	16.	230.	.2	95.	< .1
	16	16575					p	< .02	.1	32.	16.	230.	1.1	70.	< .1
	17	16576					q	.02	.1	48.	16.	220.	.1	55.	< .1
	18	16577					r	< .02	.5	60.	16.	150.	.1	70.	.1
(1292')	19	16578					s	< .02	.2	100.	34.	95.	.3	48.	.8

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JOB NUMBER TE04371
October 28, 1993
16560-16578

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

REPORT OF ANALYSIS

Analysis of 19 Rock Chip Samples

ITEM	SAMPLE NO.	Te (ppm)	Se (ppm)	Tl (ppm)	Mn (ppm)	Sn (ppm)
1	16560	< .1	< .1	< .5	600.	< 2.
2	16561	.1	.1	< .5	680.	< 2.
3	16562	.3	.1	< .5	460.	< 2.
4	16563	.7	.7	< .5	190.	< 2.
5	16564	.1	< .1	< .5	400.	< 2.
6	16565	< .1	< .1	< .5	680.	< 2.
7	16566	1.5	4.2	< .5	210.	< 2.
8	16567	< .1	< .1	< .5	640.	< 2.
9	16568	< .1	< .1	< .5	1200.	< 2.
10	16569	< .1	< .1	< .5	1300.	< 2.
11	16570	< .1	< .1	.5	620.	< 2.
12	16571	.2	< .1	< .5	1100.	< 2.
13	16572	< .1	< .1	< .5	700.	< 2.
14	16573	.5	.3	< .5	500.	< 2.
15	16574	.5	.1	< .5	630.	< 2.
16	16575	.8	.4	< .5	480.	< 2.
17	16576	< .1	< .1	< .5	1000.	< 2.
18	16577	.3	1.1	< .5	1350.	< 2.
19	16578	< .1	.1	< .5	1700.	< 2.

*NOTE: INAA analysis pending.

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Chief Chemist 10/28/93

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LOCATION:
BILLINGSLEY CREEK PROJECT
QUAD. 368
ARIZONA
DDH BC-93-1

JOB NUMBER TEO 4408
November 22, 1993
ID NO.: 93-1002
PROJECT: BILLINGSLEY CREEK
BC-93-1 T16589-T16597

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

REPORT OF ANALYSIS

Analysis of 9 Rock Chip Samples

R. O. WHITE

SPL DATE: 10-15-93

ITEM	SAMPLE NO.	FOOTAGE	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Bi (ppm)	Ni (ppm)	Cd (ppm)	Te (ppm)
1	T-16589	1318'	< .02	1.5	80.	140.	36.	1.4	12.	< .1	1.1
2	T-16590	1366	< .02	.1	85.	48.	90.	.1	48.	.8	< .1
3	T-16591	1379	< .02	.4	95.	6.	22.	.7	38.	< .1	1.5
4	T-16592	1400.5	< .02	< .1	90.	20.	65.	.4	48.	.3	.1
5	T-16593	1403	< .02	.1	18.	110.	16.	.6	28.	< .1	.7
6	T-16594	1419	< .02	< .1	8.	18.	28.	.6	22.	< .1	.8
7	T-16595	1440	< .02	< .1	10.	10.	48.	.7	36.	< .1	.8
8	T-16596	1466	< .02	< .1	60.	16.	95.	.9	50.	.4	< .1
9	T-16597	1506	< .02	< .1	12.	10.	80.	.3	48.	< .1	.5

ITEM	SAMPLE NO.	Se (ppm)	Tl (ppm)	Mn (ppm)	Sn (ppm)	Au* (ppb)	Ag* (ppm)	As* (ppm)	Ba* (ppm)	Br* (ppm)
1	T-16589	4.2	< .5	220.	< 2.	10	<5	13	160	<1
2	T-16590	.2	.5	660.	< 2.	8	<5	4	1100	<1
3	T-16591	15.0	< .5	200.	< 2.	8	<5	20	120	<1
4	T-16592	.5	.5	600.	< 2.	<5	<5	5	1100	<1
5	T-16593	4.4	< .5	760.	< 2.	6	<5	11	310	<1
6	T-16594	3.7	< .5	1050.	< 2.	<5	<5	3	140	<1
7	T-16595	1.2	.5	840.	< 2.	<5	<5	6	710	<1
8	T-16596	.6	.5	980.	< 2.	<5	<5	5	1400	<1
9	T-16597	.6	< .5	1050.	< 2.	<5	<5	3	1200	<1

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JOB NUMBER TEO 4408
November 22, 1993
ID NO.: 93-1002
PROJECT: BILLINGSLEY CREEK
BC-93-1 T16589-T16597

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

REPORT OF ANALYSIS

Analysis of 9 Rock Chip Samples

ITEM	SAMPLE NO.	Ca* (%)	Co* (ppm)	Cr* (ppm)	Cs* (ppm)	Fe* (%)	Hf* (ppm)	Hg* (ppm)	Ir* (ppb)	Mo* (ppm)
1	T-16589	<1	8	68	6	2.82	6.6	<1	<5	5
2	T-16590	2	16	61	9	3.95	7.2	<1	<5	<5
3	T-16591	<1	11	56	6	2.94	5.9	<1	<5	<5
4	T-16592	2	16	52	7	3.21	6.8	<1	<5	<5
5	T-16593	4	18	140	7	3.00	6.4	<1	<5	6
6	T-16594	3	13	61	<2	2.66	3.6	<1	<5	<5
7	T-16595	2	15	53	5	2.70	6.5	<1	<5	<5
8	T-16596	2	18	58	5	3.38	7.3	<1	<5	<5
9	T-16597	1	18	47	7	3.99	7.0	<1	<5	<5

ITEM	SAMPLE NO.	Na* (ppm)	Ni* (ppm)	Rb* (ppm)	Sb* (ppm)	Sc* (ppm)	Se* (ppm)	Sr* (%)	Ta* (ppm)	Th* (ppm)	U* (ppm)
1	T-16589	1460	<50	180	1.0	7.3	6	<.05	<1	11.0	2.8
2	T-16590	41100	120	77	0.6	9.7	<5	<.05	<1	11.0	3.4
3	T-16591	25800	120	81	0.7	7.1	14	<.05	<1	8.5	3.7
4	T-16592	32900	<50	96	0.3	9.0	<5	<.05	<1	11.0	2.9
5	T-16593	2040	<50	120	0.8	7.1	<5	<.05	<1	10.0	12.0
6	T-16594	38200	<50	35	0.4	4.6	<5	<.05	2	7.7	5.6
7	T-16595	27300	<50	80	0.5	7.0	<5	<.05	<1	13.0	3.1
8	T-16596	36200	<50	81	0.4	9.5	<5	<.05	<1	11.0	3.2
9	T-16597	30700	<50	110	0.4	9.3	<5	.09	<1	12.0	2.5

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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

JOB NUMBER TEO 4408
November 22, 1993
ID NO.: 93-1002
PROJECT: BILLINGSLEY CREEK
BC-93-1 T16589-T16597

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

REPORT OF ANALYSIS

Analysis of 9 Rock Chip Samples

ITEM	SAMPLE NO.	W* (ppm)	Zn* (ppm)	La* (ppm)	Ce* (ppm)	Nd* (ppm)	Sm* (ppm)	Eu* (ppm)	Tb* (ppm)	Yb* (ppm)	Lu* (ppm)
1	T-16589	<4	50	42	75	26	3.3	1.0	<0.5	1.27	0.26
2	T-16590	<4	<50	47	86	32	5.2	1.7	<0.5	1.95	0.32
3	T-16591	<4	<50	34	64	22	3.4	1.1	<0.5	1.28	0.23
4	T-16592	<4	58	45	83	25	4.9	1.5	0.6	1.78	0.30
5	T-16593	<4	<50	41	72	28	3.9	1.3	<0.5	1.60	0.31
6	T-16594	<4	<50	16	30	9	2.2	0.9	<0.5	0.83	0.19
7	T-16595	<4	75	39	71	20	4.1	1.2	<0.5	1.73	0.28
8	T-16596	<4	100	47	89	30	5.2	1.6	<0.5	2.04	0.30
9	T-16597	<4	137	48	85	28	5.2	1.6	<0.5	1.89	0.31

NOTE: INT. denotes interference.

*NOTE: Analysis by INAA.
Analysis provided by ACTLABS.
**NOTE: Indeterminate value due to Copper interference.

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK

William L. Lehmbeck
Manager

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TEO 4360
October 14, 1993
I.D. NO. 93-954
PROJECT: BC-93-1
0-432

PHELPS DODGE CORPORATION
Western Exploration Office
P.O. Box 50427
Tucson, AZ 85703-1427

LOCATION:

BILLINGSLEY CREEK PROJECT
QUAD. 368
RDH BC-1
ARIZONA

Analysis of 17 Drill Cutting Samples

R. O. WHITE

SPL DATE: 10-1-93

ITEM	SAMPLE NUMBER (FOOTAGE)	Cu (ppm)	Zn (ppm)	Mo (ppm)
1	0-10	32.	55.	<2.
2	10-20	28.	48.	<2.
3	20-30	22.	100.	<2.
4	30-40	28.	335.	<2.
5	40-50	28.	85.	<2.
6	50-60	26.	190.	<2.
7	60-70	30.	90.	<2.
8	70-80	26.	405.	<2.
9	80-90	26.	75.	<2.
10	90-100	26.	65.	<2.
11	100-150	28.	55.	<2.
12	150-200	32.	65.	<2.
13	200-250	28.	110.	<2.
14	250-300	28.	65.	<2.
15	300-350	30.	90.	4.
16	350-400	32.	305.	4.
17	400-432	32.	260.	4.

Gila Conglomerate

William L. Lehmbeck
Manager

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

LOCATION:
BILLINGSLEY CREEK PROJECT
SAFFORD DISTRICT DDH BC-93.1
QUAD. 368
ARIZONA

JOB NUMBER TEO 4388
November 6, 1993
I.D. NO. 93-982
BC-93-1 (1049.5-1508.5)

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

REPORT OF ANALYSIS

Analysis of 46 Drill Core Samples

R. O. WHITE

SPL DATE: 10-19-93

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
	FOOTAGE								
1	BC-93-1 1049.5-1060	< .02	.1	5.5	.2	115.	12.	240.	10.
2	BC-93-1 1060-1070	< .02	< .1	4.8	.2	90.	10.	285.	2.
3	BC-93-1 1070-1080	< .02	< .1	3.6	.2	100.	12.	260.	< 2.
4	BC-93-1 1080-1090	< .02	< .1	3.8	.2	175.	10.	290.	2.
5	BC-93-1 1090-1100	< .02	< .1	7.0	.2	170.	18.	155.	6.
6	BC-93-1 1100-1110	< .02	.1	4.2	.2	80.	20.	100.	4.
7	BC-93-1 1110-1120	< .02	< .1	4.4	< .1	85.	20.	260.	6.
8	BC-93-1 1120-1130	< .02	< .1	9.0	.1	75.	32.	160.	32.
9	BC-93-1 1130-1140	< .02	< .1	3.2	.2	85.	26.	160.	2.
10	BC-93-1 1140-1150	< .02	< .1	3.0	< .1	75.	32.	160.	8.
11	BC-93-1 1150-1160	< .02	< .1	3.4	< .1	80.	18.	185.	6.
12	BC-93-1 1160-1170	< .02	.1	3.0	< .1	115.	26.	150.	6.
13	BC-93-1 1170-1180	< .02	< .1	4.4	.4	95.	30.	115.	6.
14	BC-93-1 1180-1190	< .02	< .1	2.4	.3	70.	16.	135.	4.
15	BC-93-1 1190-1200	< .02	< .1	2.6	.5	85.	12.	150.	4.
16	BC-93-1 1200-1210	< .02	< .1	13.0	.4	190.	40.	105.	6.
17	BC-93-1 1210-1220	< .02	< .1	26.0	.4	145.	42.	160.	6.
18	BC-93-1 1220-1230	< .02	< .1	15.0	.5	36.	36.	210.	6.
19	BC-93-1 1230-1240	< .02	< .1	20.0	.6	36.	18.	245.	6.
20	BC-93-1 1240-1250	< .02	< .1	16.0	.5	36.	14.	260.	4.
21	BC-93-1 1250-1260	< .02	< .1	14.0	.5	38.	14.	265.	2.
22	BC-93-1 1260-1270	< .02	< .1	7.0	.4	36.	12.	245.	2.
23	BC-93-1 1270-1280	< .02	.7	2.0	.3	180.	20.	110.	2.
24	BC-93-1 1280-1290	< .02	.6	1.8	.2	130.	22.	125.	< 2.
25	BC-93-1 1290-1300	< .02	.3	1.4	< .1	90.	18.	75.	2.

oxide
sulfide

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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

LOCATION:
BILLINGSLEY CREEK PROJECT
SAFFORD DISTRICT
DDH BC-93.-1
QUAD. 368
ARIZONA

JOB NUMBER TEO 4388
November 6, 1993
BC-93-1 (1049.5-1508.5)

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

REPORT OF ANALYSIS

Analysis of 46 Drill Core Samples

ITEM	SAMPLE NO.	Bi (ppm)	Co (ppm)	Ni (ppm)	Cd (ppm)	Te (ppm)	Se (ppm)	Tl (ppm)	W (ppm)
1	BC-93-1 1049.5-1060	.2	14.	50.	< .1	< .1	< .1	< .5	4.
2	BC-93-1 1060-1070	< .1	16.	65.	.1	< .1	< .1	< .5	2.
3	BC-93-1 1070-1080	< .1	12.	60.	< .1	< .1	< .1	< .5	4.
4	BC-93-1 1080-1090	.2	18.	85.	< .1	< .1	< .1	< .5	2.
5	BC-93-1 1090-1100	1.2	12.	60.	< .1	.5	.3	< .5	< 2.
6	BC-93-1 1100-1110	1.0	10.	32.	< .1	1.4	.4	< .5	4.
7	BC-93-1 1110-1120	.2	16.	40.	< .1	.1	< .1	< .5	2.
8	BC-93-1 1120-1130	.3	10.	32.	< .1	.3	.1	< .5	4.
9	BC-93-1 1130-1140	.1	16.	46.	< .1	< .1	< .1	< .5	2.
10	BC-93-1 1140-1150	< .1	16.	38.	.1	< .1	< .1	< .5	2.
11	BC-93-1 1150-1160	.1	18.	40.	< .1	< .1	< .1	.5	2.
12	BC-93-1 1160-1170	.1	12.	36.	< .1	.1	< .1	< .5	2.
13	BC-93-1 1170-1180	.1	16.	46.	< .1	.1	< .1	< .5	< 2.
14	BC-93-1 1180-1190	< .1	20.	50.	< .1	< .1	< .1	< .5	2.
15	BC-93-1 1190-1200	.1	18.	60.	.1	.1	< .1	< .5	2.
16	BC-93-1 1200-1210	.5	16.	60.	< .1	1.1	.2	< .5	< 2.
17	BC-93-1 1210-1220	.3	12.	85.	.2	.4	< .1	< .5	< 2.
18	BC-93-1 1220-1230	.5	16.	85.	< .1	.9	.6	< .5	< 2.
19	BC-93-1 1230-1240	.4	16.	95.	.1	.4	< .1	< .5	< 2.
20	BC-93-1 1240-1250	.2	16.	80.	< .1	.4	< .1	< .5	< 2.
21	BC-93-1 1250-1260	.4	16.	75.	< .1	.9	.1	< .5	< 2.
22	BC-93-1 1260-1270	< .1	16.	80.	< .1	< .1	< .1	< .5	< 2.
23	BC-93-1 1270-1280	.3	20.	65.	.6	.6	.6	< .5	< 2.
24	BC-93-1 1280-1290	< .1	20.	50.	.7	< .1	.2	< .5	< 2.
25	BC-93-1 1290-1300	< .1	16.	46.	< .1	< .1	.1	< .5	< 2.

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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

LOCATION:

BILLINGSLEY CREEK PROJECT
SAFFORD DISTRICT

DDH BC-93-1
QUAD. 368
ARIZONA

JOB NUMBER TEO 4388
November 6, 1993
BC-93-1 (1049.5-1508.5)

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

REPORT OF ANALYSIS

Analysis of 46 Drill Core Samples

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)
26	BC-93-1 1300-1310	< .02	.4	2.0	.1	80.	30.	110.	2.
27	BC-93-1 1310-1320	< .02	.3	6.0	.1	90.	80.	95.	6.
28	BC-93-1 1320-1330	< .02	.3	4.0	.2	65.	46.	65.	4.
29	BC-93-1 1330-1340	< .02	.7	5.0	.2	215.	12.	60.	< 2.
30	BC-93-1 1340-1350	< .02	.9	7.0	.2	235.	16.	75.	2.
31	BC-93-1 1350-1360	< .02	.1	2.8	< .1	110.	55.	80.	< 2.
32	BC-93-1 1360-1370	< .02	.1	2.8	< .1	110.	46.	65.	< 2.
33	BC-93-1 1370-1380	< .02	.4	7.0	.2	160.	38.	42.	2.
34	BC-93-1 1380-1390	< .02	.1	2.6	.2	145.	50.	65.	< 2.
35	BC-93-1 1390-1400	< .02	< .1	1.6	2.0	75.	42.	65.	< 2.
36	BC-93-1 1400-1410	< .02	< .1	1.2	1.4	48.	38.	55.	2.
37	BC-93-1 1410-1420	< .02	< .1	1.6	.4	85.	20.	70.	2.
38	BC-93-1 1420-1430	< .02	< .1	1.8	.2	90.	12.	65.	< 2.
39	BC-93-1 1430-1440	< .02	.1	2.6	< .1	85.	20.	70.	< 2.
40	BC-93-1 1440-1450	< .02	< .1	1.6	< .1	100.	20.	80.	< 2.
41	BC-93-1 1450-1460	< .02	< .1	2.4	.4	110.	26.	85.	2.
42	BC-93-1 1460-1470	< .02	< .1	2.4	.2	85.	22.	95.	< 2.
43	BC-93-1 1470-1480	< .02	.3	2.2	< .1	100.	22.	80.	2.
44	BC-93-1 1480-1490	< .02	.4	3.0	< .1	85.	50.	80.	6.
45	BC-93-1 1490-1500	< .02	.3	3.6	.2	80.	36.	75.	4.
46	BC-93-1 1500-1508.5	< .02	.3	1.6	< .1	75.	16.	90.	< 2.

Charles E. Thompson
Arizona Registered Assayer No. 9427

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Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

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

LOCATION:
BILLINGSLEY CREEK PROJECT
SAFFORD DISTRICT
DDH BC-93-1
QUAD. 368
ARIZONA

JOB NUMBER TEO 4388
November 6, 1993
BC-93-1 (1049.5-1508.5)

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

REPORT OF ANALYSIS

Analysis of 46 Drill Core Samples

ITEM	SAMPLE NO.	Bi (ppm)	Co (ppm)	Ni (ppm)	Cd (ppm)	Te (ppm)	Se (ppm)	Tl (ppm)	W (ppm)
26	BC-93-1 1300-1310	.6	18.	55.	.1	< .1	.2	< .5	< 2.
27	BC-93-1 1310-1320	.5	18.	48.	.2	.2	1.4	< .5	< 2.
28	BC-93-1 1320-1330	1.3	18.	50.	< .1	1.1	1.4	< .5	2.
29	BC-93-1 1330-1340	.5	18.	50.	.1	.3	1.5	.5	2.
30	BC-93-1 1340-1350	.6	20.	50.	< .1	.8	1.4	.5	< 2.
31	BC-93-1 1350-1360	< .1	18.	60.	.3	< .1	.4	.5	< 2.
32	BC-93-1 1360-1370	< .1	18.	55.	.3	< .1	< .1	1.0	< 2.
33	BC-93-1 1370-1380	.6	18.	50.	.7	.4	1.7	1.0	< 2.
34	BC-93-1 1380-1390	.2	18.	60.	.6	.1	.1	.5	< 2.
35	BC-93-1 1390-1400	.2	18.	55.	.6	< .1	.1	.5	< 2.
36	BC-93-1 1400-1410	.6	18.	50.	.4	.2	1.4	.5	< 2.
37	BC-93-1 1410-1420	.5	18.	50.	.2	.1	.6	.5	< 2.
38	BC-93-1 1420-1430	.2	18.	55.	.4	.1	.4	< .5	< 2.
39	BC-93-1 1430-1440	.4	18.	60.	.2	.2	.6	.5	< 2.
40	BC-93-1 1440-1450	.7	18.	60.	.5	.1	.4	< .5	< 2.
41	BC-93-1 1450-1460	.3	16.	55.	.7	.1	.3	< .5	< 2.
42	BC-93-1 1460-1470	1.0	16.	60.	.5	.1	.1	< .5	< 2.
43	BC-93-1 1470-1480	1.3	18.	60.	.5	.2	.3	1.0	< 2.
44	BC-93-1 1480-1490	.6	12.	48.	< .1	.1	.2	.5	< 2.
45	BC-93-1 1490-1500	1.0	16.	48.	.6	.4	.5	< .5	< 2.
46	BC-93-1 1500-1508.5	.5	16.	55.	.4	.2	.3	< .5	< 2.

William L. Lehmbeck, Manager

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK ARIZONA U.S.A.

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

Billingsley Creek Project	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By ROW Date 11/93	Hole Number BC-93-2	Page 1 of 5

Intrvl / Sapl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Kap	Bio	Chl	Epi	Q-S	Sil	Arg	hem	Mineralization (Volume %): Jar Goe Hem / Cu Acid Test	Cup	Neo Ten	Bro	Mal	Chr	Cc	Cov	Cpy	Py	CO_3	Enr & Cap	Notes TD 1526.7 N 340' to
— 1080	—	TCu / XCu	Rec / RQD / No. / Long	Gila Cgl	0–1086 Gila Conglom. pervasive hem./sandy matrix – $CaCO_3$? silica fills fractures. Some clasts strongly altered.								Mod													(– 1086) Gila Conglomerate; Flat oxidized contact in lower mid-Tert? volcanics – clasts subangular to rounded up to 6" dia. matrix supported – sandy.
— 1090	—	SAP / Rec	Rec / RQD / No. / Long	1086 →								Mod	Mod													1086 –) Andesite Porp. Oxidized pervasive hematite / Goe. – clay.
— 1100	—	Ag / Au / Zn	Rec / RQD / No. / Long	Ox ↓ An. por	Crowded plag lathes pervasive hematite argillization. 1196' 1" clay seams inclusions							str. per vas.	per vas. str													Texture destroyed. – (Mid-Tert.? Vol.) Jarosite after pyrite – MnO_2 locally
— 1110	—	S / Spec Grav	Rec / RQD / No. / Long	"	1104 – 2" gouge 1106 – angular xenolith fg. vol. fragment. 1107–1120 Fragmental zone							"	"													
— 1120	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long	"	healed fracture zone bleached. – clay seam alt. vol frags.							"	Mod													
— 1130	—	TCu / XCu	Rec / RQD / No. / Long	"	1120 ~ Multilithic fragmental and vol. clay alt pervasive Jarosite – Goe pseudom.							"	"													
— 1140	—	SAP / Rec	Rec / RQD / No. / Long	"								"	str per vas.													Note: Pervasive Goe / Jarosite throughout zone of pervasive hematite – multilithic fragmental qtz – qtz vn frequents – Jarosite after pyrite
— 1150	—	Ag / Au / Zn	Rec / RQD / No. / Long	"								"	"													
— 1160	—	S / Spec Grav	Rec / RQD / No. / Long	"	1157–1160 clay alt. bx fracture zone. – Jar. 1164 MnO_2 on fx ~ 85°							"	"													
— 1170	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long	"	1167–1170 qtz frag – vn fragments in hematite hole chlor seams – core more siliceous							"	"													

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation	Logged By Row Date 11/93	Hole Number BC-93-2	Page 2

Intrvl / Sapl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Kep	Bio	Chl	Epi	Q-S	Sil	Arg	hem	Mineralization (Volume %): Jar Goe Hem / Cu Acid Test	Cup	Neo Ten	Bro	Mal	Chr	Cc	Cov	Cpy	Py	CO_2	Enr & Cap	Notes
— 1180	—	TCu / XCu	Rec / RQD / No. / Long	Ox	1174-1176 qtz fragments vns. w/ Jarosite halos, clay-chlor. rims								Mod-str	Mod												(Cont.) Str. oxidized Andesitic vol. fragments & por. – Tert.?
— 1190	—	SAP / Rec	Rec / RQD / No. / Long	clay hem.									"	"												1194 – N 1214 Pervasive hem/Jar. hem – MnO_2 on fxs. – Vol. matrix converted to clay.
— 1200	—	Ag / Au / Zn	Rec / RQD / No. / Long		1194-1204 Fragmental zone – multilithic w/ vn frags								"	"									tr.			
— 1210	—	S / Spec Grav	Rec / RQD / No. / Long		1209-1217 fx-bx zone @ 20-50° – hem filled clay alt clasts								WK mod.	Mod str									"			
— 1220	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long	PY	1217 – tight fxs coated w/ pyrite – str axial of core								WK fxs	str									PY .5 -1			
— 1230	—	TCu / XCu	Rec / RQD / No. / Long	< Ox									"	"									"			
— 1240	—	SAP / Rec	Rec / RQD / No. / Long	PY on fxs	1233 str. fx. – stockwork w/ py – tight iron. fxs								"	"									1-2			Note: N 1240 – 1260 Gradational decrease in FeOx – Oxidation Jar/Goe restricted to fxs.
— 1250	—	Ag / Au / Zn	Rec / RQD / No. / Long	End pervas Ox.	N 1240 End of pervasive Ox. – Jar. on fxs w/ py – minor hem.								"	Mod on fxs									3-4			py dominant on fxs surfaces
— 1260	—	S / Spec Grav	Rec / RQD / No. / Long		1259 Gouge – slip @ 60°								"										"			
— 1270	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long	Frag qtz PY.	mass py – clay; Green clay – pervasive; py – Jar. fxs – qtz vn fragments									WK mod fxs									"			

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By Row Date 11/93	Hole Number BC-93-2	Page 3

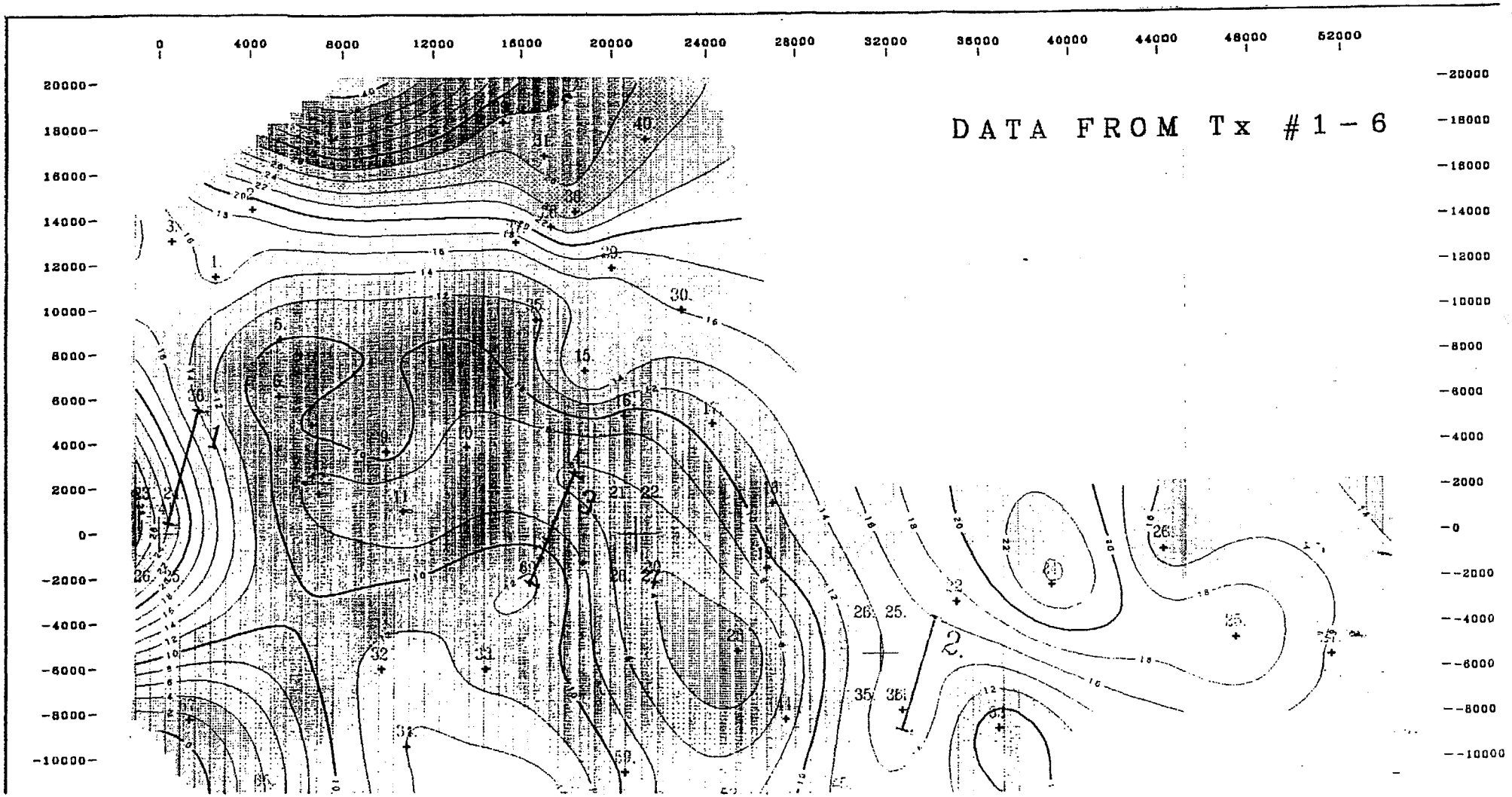
Intrvl / Sampl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log		Graphic Log Notes	Alteration: Kep	Bio	Chl	Epi	Q-S	Sil	Arg	hem	Mineralization (Volume %): Jar Gos Hem / Cu Acid Test	Cup	Neo Ten	Bro	Hal	Chr	Cc	Cov	Cpy	Py	CO_2	Enr & Cap	Notes
— 1280	—	TCu / XCu	Rec / RQD / No. / Long		Tuff And	1270-1274 Tight fxs w̄ hematite. Note: Punky-frag. Tuff			Wk Mod				Wk mod	Mod fxs										1-2 %		Wk Jarosite fx	@ 1270-1294 Welded Tuff; Fragental-qtz filled vug; -diss. py Jarosite on fxs.
— 1290	—	SAP / Rec	Rec / RQD / No. / Long		"				"				"	"										"		"	
— 1300	—	Ag / Au / Zn	Rec / RQD / No. / Long		Tuff Ves. And.	1290-1294 strikewk fxs @ 40-90° - diss py pervas. chlr. -			Mod pervasive				"	Wk fxs										3-4 %		"	1294-1314 Vesicular Lithic Tuff; Plag-vol fragments - amygdales filled with pyrite, zeolites - qtz; strong diss. py - throughout unit.
— 1310	—	S / Spec Grav	Rec / RQD / No. / Long		And por	1300-1304 str. Jar. on fxs. @ 70-90°			"				Wk fxs	"										"		Wk fxs hem	1314 Fragental Andesite Porphyry. amygdales w̄ zeolites, gypsum qtz
— 1320	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long		And por.	1308-1312 fxd. @ 40-60° bleached clay diss py. 1315 Tight fx @ 70° chlor. - clay halo - diss. py.			"				"	"										"		"	(Tertiary Vol.) Note:
— 1330	—	TCu / XCu	Rec / RQD / No. / Long		A por	1313 fx w̄ diss py chl. pervas. chlr. - arg.			"				"	"										2-3 %		"	And. silicein with depth - Vesicles lined w̄ py-hem - zeolite clay-zeolite filled vesicles locally pyrite lined
— 1340	—	SAP / Rec	Rec / RQD / No. / Long		"	1324-1334 Tight fxs @ 30-60° - w̄ hematite irregular chlor. halos. devitrifed glass filled amygdales			"				"	"										"		"	
— 1350	—	Ag / Au / Zn	Rec / RQD / No. / Long		And por	Tight fxs - hem/chlor. diss. py			"				"	"										"		"	
— 1360	—	S / Spec Grav	Rec / RQD / No. / Long		And por.				"				"	"										"		Wk mod	
— 1370	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long		hem. py bx	1362.5 qtz-hem. bx open qtz vns - massive pyrite - xylots zeolites 1368-1370 fx-vn zone			fx str				str fx zone	Wk Mod										3-4 %		Mod vn zone	Note: 1368-1370 str. fx. strikewk bleached core - py/chlor tight fxs minor hematite -

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By ROW Date 11/93	Hole Number BC-93-2	Page 4

Intrvl / Sampl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Ksp, Bio, Chl, Epl, Q-S, Sil, Arg, Hem	Mineralization (Volume %): Jar, Goe, Hem, Cu Acid Test, Cup, Neo, Ten, Bro, Mal, Chr, Cc, Cov, Cpy, Py, CO_3	Enr & Cap	Notes
— 1380	—	TCu / XCu	Rec / RQD / No. / Long	Jar. py	1371 - 1385 Tight irreg. fxs in bleached clay halos Jarosite w/ trace py. Argillic Jarosite locally in zone	Arg: Mod str. fxs; Hem: WK fxs	Py: 1-2		
— 1390	—	SAP / Rec	Rec / RQD / No. / Long			Arg: " ; Hem: "	Py: "		N 1385 Siliceous Andesite Por; Crowded plag phenos; aphanitic matrix hematite on fxs. - bleached clay halos
— 1400	—	Ag / Au / Zn	Rec / RQD / No. / Long		1393 - 1406 Numerous tight fxs. @ 30 - 70° bleached - clay - Jar. halos patchy clay alteration	Arg: WK fxs; Hem: "	Py: .5-1%		locally - < pyrite diss - becoming restricted to fxs - vns.
— 1410	—	S / Spec Grav	Rec / RQD / No. / Long		1410 Tight fxs @ 50° 1/2" bleached halos - py minor hematite	Arg: " ; Hem: "	Py: "		
— 1420	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long			Arg: "	Py: "		
— 1430	—	TCu / XCu	Rec / RQD / No. / Long		1423 - 1433 Fx-stockwork zone - patchy chl - Jaros. pervasive locally strong fxs - oxidation -	Arg: Mod str; Hem: Mod fxs	Py: 1-2 %		
— 1440	—	SAP / Rec	Rec / RQD / No. / Long		Note: Mineralization is distinctly Tert. in character - As seen in mtns along Range Front.	Arg: " ; Hem: "	Py: 3-5 %		
— 1450	—	Ag / Au / Zn	Rec / RQD / No. / Long		1436 Str diss. py	Arg: WK fxs; Hem: "	Py: 1-2 %		1440 - 1460 And. Por. - Large Plag Phenos euhedral - Crowded - / Biotite hem / Jarosite on tight isolated fxs.
— 1460	—	S / Spec Grav	Rec / RQD / No. / Long			Arg: " ; Hem: WK fxs	Py: .5-1%	hem Flt gouge	
— 1470	—	Bottle Test Recov / Elev	Rec / RQD / No. / Long	hem gouge	1459 - 1464 Fault Zone developed @ contact gouge @ 60° - gypsum on fxs - hematite	Arg: WK Mod fxs; Hem: Str Flt	Py: "	"	1460 Siliceous And. Por; Pervasive WK hematite

Billingsley Creek	SAFFORD DOS POBRES	Collar Coordinates ____ N ____ E ____ CE	Orientation Vert.	Logged By ROW Date 11/93	Hole Number BC-93-2	Page 5

Intrvl / Smpl #	TCu / XCu	Composite Analyses	Core Data	Graphic Log	Graphic Log Notes	Alteration: Kap	Bio	Chl	Epi	Q-S	Sil	Arg	hem	Mineralization (Volume %): Jar Gos Hem / Cu Acid Test	Cup	Neo Ten	Bro	Mal	Chr	Cc	Cov	Cpy	Py	CO_2	Enr & Cap	Notes
— 1480	—	TCu / XCu	Rec / RQD / No. / Long		Note: Siliceous cont. And. Por.								WK per vns										< .5 %			Cont. 1470 And. Por.; Pervasive wk hem. — < pyrite with dense vns — fxs. clay alteration
— 1490	—	SAP / Rec	Rec / RQD / No. / Long		1487 irregular fxs. w/ hematite-chlor. on matrix —								"										"			
— 1500	—	Ag / Au	Rec / RQD / No. / Long										WK fxs										"			
— 1510	—	Zn / S	Rec / RQD / No. / Long		1500 – 1502 fxs. @ 80° – Tourmaline – Qtz. chlor aggregates in matrix – halos and planes								"										"			
— 1520	—	Spec Grav / Bottle Test Recov / Elev	Rec / RQD / No. / Long										"										"			
— 1526.7 TD	—	TCu / XCu	Rec / RQD / No. / Long	1526.7 T.D.	1525 Clay-chlor cont'd fxs. @ 80° – Hem, deuterium – Sericite & minor hematite.					fxs WK			"										"			TD. 1526.7 Andesite Por. Siliceous – wk pyrite disc.
—	—	SAP / Rec	Rec / RQD / No. / Long																							
—	—	Ag / Au	Rec / RQD / No. / Long																							
—	—	Zn / S	Rec / RQD / No. / Long																							
—	—	Spec Grav / Bottle Test Recov / Elev	Rec / RQD / No. / Long																							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20000
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10000
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2000
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-4000
-6000
-8000
-10000

SKYLINE LABS, INC.
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Tucson, Arizona 85703
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REPORT OF ANALYSIS

JOB NO. TEO 4441
December 2, 1993
PROJECT: BILLINGSLEY CREEK
ID NO.: 93-1035
DH-BC-93-2 (0 TO 380)

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

LOCATION:

BILLINGSLEY CREEK PROJECT
DH BC-93-2
QUAD. 368
ARIZONA

Analysis of 16 Drill Cutting Samples

R. O. WHITE

SPL DATE: 11-12-93

ITEM	SAMPLE NUMBER	Au (ppm)	Cu (ppm)	Zn (ppm)	Mo (ppm)
1	DH-BC-93-2 0-10	<.02	30.	55.	<2.
2	DH-BC-93-2 10-20	<.02	30.	205.	<2.
3	DH-BC-93-2 20-30	<.02	30.	95.	<2.
4	DH-BC-93-2 34-40	<.02	26.	355.	<2.
5	DH-BC-93-2 40-50	<.02	22.	55.	<2.
6	DH-BC-93-2 50-60	<.02	26.	570.	<2.
7	DH-BC-93-2 60-70	<.02	22.	65.	<2.
8	DH-BC-93-2 70-80	<.02	32.	550.	<2.
9	DH-BC-93-2 80-90	<.02	26.	95.	<2.
10	DH-BC-93-2 90-100	<.02	28.	730.	<2.
11	DH-BC-93-2 100-150	<.02	30.	100.	<2.
12	DH-BC-93-2 150-200	<.02	28.	75.	<2.
13	DH-BC-93-2 200-250	<.02	26.	80.	<2.
14	DH-BC-93-2 250-300	<.02	26.	100.	<2.
15	DH-BC-93-2 300-350	<.02	22.	80.	<2.
16	DH-BC-93-2 350-380	<.02	26.	85.	2.

Gila Conglom.

REGISTERED ASSAYER CERTIFICATE No. 9425 WILLIAM L. LEHMBECK

William L. Lehmbeck
Manager

Charles E. Thompson
Arizona Registered Assayer No. 9427

William L. Lehmbeck
Arizona Registered Assayer No. 9425

James A. Martin
Arizona Registered Assayer No. 11122

SKYLINE LABS, INC.
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REPORT OF ANALYSIS

JOB NO. TEO 4447A
December 18, 1993
PROJECT: BILLINGSLEY CREEK
SAFFORD DISTRICT
BC-93-2 (1086-1526.7)

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

LOCATION:

BILLINGSLEY CREEK PROJECR
DH BC-93-2
QUAD. 368
ARIZONA

Analysis of 45 Pulp Samples

ITEM	SAMPLE NUMBER	Au (ppm)
1	BC-93-2 1086-1090	<.02
2	BC-93-2 1090-1100	<.02
3	BC-93-2 1100-1110	<.02
4	BC-93-2 1110-1120	<.02
5	BC-93-2 1120-1130	<.02
6	BC-93-2 1130-1140	<.02
7	BC-93-2 1140-1150	<.02
8	BC-93-2 1150-1160	<.02
9	BC-93-2 1160-1170	<.02
10	BC-93-2 1170-1180	<.02
11	BC-93-2 1180-1190	<.02
12	BC-93-2 1190-1200	<.02
13	BC-93-2 1200-1210	<.02
14	BC-93-2 1210-1220	.04
15	BC-93-2 1220-1230	<.02
16	BC-93-2 1230-1240	<.02
17	BC-93-2 1240-1250	<.02
18	BC-93-2 1250-1260	<.02
19	BC-93-2 1260-1270	<.02
20	BC-93-2 1270-1280	.02
21	BC-93-2 1280-1290	<.02
22	BC-93-2 1290-1300	<.02
23	BC-93-2 1300-1310	<.02
24	BC-93-2 1310-1320	<.02
25	BC-93-2 1320-1330	<.02

SKYLINE LABS, INC.
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(602) 622-4836

JOB NO. TEO 4447A
December 18, 1993

ITEM	SAMPLE NUMBER	Au (ppm)
26	BC-93-2 1330-1340	<.02
27	BC-93-2 1340-1350	<.02
28	BC-93-2 1350-1360	<.02
29	BC-93-2 1360-1370	<.02
30	BC-93-2 1370-1380	<.02
31	BC-93-2 1380-1390	<.02
32	BC-93-2 1390-1400	<.02
33	BC-93-2 1400-1410	<.02
34	BC-93-2 1410-1420	<.02
35	BC-93-2 1420-1430	<.02
36	BC-93-2 1430-1440	<.02
37	BC-93-2 1440-1450	<.02
38	BC-93-2 1450-1460	<.02
39	BC-93-2 1460-1470	<.02
40	BC-93-2 1470-1480	<.02
41	BC-93-2 1480-1490	<.02
42	BC-93-2 1490-1500	<.02
43	BC-93-2 1500-1510	<.02
44	BC-93-2 1510-1520	<.02
45	BC-93-2 1520-1526.7	<.02

REGISTERED ASSAYER CERTIFICATE NO. 9425 WILLIAM L. LEHMBECK

William L. Lehmbeck
Manager

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

LOCATION:
BILLINGSLEY CREEK PROJECT
DH BC-93-2
QUAD. 368
ARIZONA

JOB NUMBER TEO 4447
December 8, 1993
I.D. NO. 10-1041
BILLINGSLEY CREEK PROJECT
SAFFORD DISTRICT
BC-93-2 (1086-1526.7)

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

REPORT OF ANALYSIS

Analysis of 45 Rock Chip Samples

R. O. WHITE

SPL DATE: 11-12-93

ITEM	SAMPLE NO.	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Bi (ppm)
1	BC-93-2 1086-1090	< .1	2.0	.4	100.	22.	40.	2.	.6
2	BC-93-2 1090-1100	.1	2.6	.3	40.	8.	22.	2.	.5
3	BC-93-2 1100-1110	< .1	8.0	.2	65.	2.	22.	12.	.6
4	BC-93-2 1110-1120	< .1	5.0	.2	42.	< 2.	16.	6.	.3
5	BC-93-2 1120-1130	< .1	6.0	.3	85.	< 2.	28.	8.	.5
6	BC-93-2 1130-1140	< .1	2.0	.2	95.	< 2.	30.	8.	.4
7	BC-93-2 1140-1150	< .1	2.6	.2	18.	< 2.	6.	14.	.5
8	BC-93-2 1150-1160	< .1	2.4	.2	32.	< 2.	8.	4.	.4
9	BC-93-2 1160-1170	< .1	3.0	.1	220.	< 2.	75.	4.	.4
10	BC-93-2 1170-1180	< .1	2.0	.2	405.	< 2.	235.	4.	.4
11	BC-93-2 1180-1190	< .1	3.6	.2	50.	< 2.	8.	8.	.4
12	BC-93-2 1190-1200	< .1	4.6	.3	16.	2.	20.	12.	.5
13	BC-93-2 1200-1210	< .1	5.5	.1	20.	2.	16.	6.	.4
14	BC-93-2 1210-1220	< .1	7.5	.2	65.	2.	16.	6.	.4
15	BC-93-2 1220-1230	.3	11.0	.2	80.	2.	16.	12.	.5
16	BC-93-2 1230-1240	.3	6.5	.2	95.	2.	18.	6.	.4
17	BC-93-2 1240-1250	.1	6.5	.1	95.	2.	80.	< 2.	.6
18	BC-93-2 1250-1260	< .1	8.0	.3	85.	< 2.	40.	< 2.	.4
19	BC-93-2 1260-1270	.3	7.0	.2	100.	< 2.	175.	< 2.	.4
20	BC-93-2 1270-1280	< .1	8.5	.2	75.	4.	12.	2.	.7
21	BC-93-2 1280-1290	< .1	12.0	.4	90.	6.	26.	< 2.	.8
22	BC-93-2 1290-1300	< .1	12.0	1.2	205.	6.	46.	6.	.4
23	BC-93-2 1300-1310	< .1	14.0	.3	120.	6.	40.	< 2.	.1
24	BC-93-2 1310-1320	< .1	5.5	.4	110.	2.	165.	< 2.	.2
25	BC-93-2 1320-1330	< .1	3.6	.4	120.	8.	180.	< 2.	.3

Charles E. Thompson William L. Lehmbeck James A. Martin

SKYLINE LABS, INC.
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JOB NUMBER TEO 4447
December 8, 1993
BC-93-2 (1086-1526.7)

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

REPORT OF ANALYSIS

Analysis of 45 Rock Chip Samples

ITEM	SAMPLE NO.	Co (ppm)	Ni (ppm)	Cd (ppm)	Te (ppm)	Se (ppm)	Tl (ppm)	W (ppm)
1	BC-93-2 1086-1090	4.	2.	< .1	.7	.1	< .5	< 2.
2	BC-93-2 1090-1100	2.	< 2.	< .1	.7	.4	< .5	< 2.
3	BC-93-2 1100-1110	8.	6.	< .1	.8	.5	< .5	< 2.
4	BC-93-2 1110-1120	6.	6.	< .1	.4	.4	< .5	< 2.
5	BC-93-2 1120-1130	2.	6.	.1	.3	.4	< .5	< 2.
6	BC-93-2 1130-1140	8.	8.	< .1	.4	.2	< .5	< 2.
7	BC-93-2 1140-1150	< 2.	2.	< .1	.7	.5	< .5	< 2.
8	BC-93-2 1150-1160	< 2.	2.	< .1	.7	.4	< .5	< 2.
9	BC-93-2 1160-1170	22.	30.	< .1	.2	.2	< .5	< 2.
10	BC-93-2 1170-1180	50.	175.	< .1	.1	.1	.5	< 2.
11	BC-93-2 1180-1190	< 2.	2.	< .1	1.1	< .1	< .5	< 2.
12	BC-93-2 1190-1200	< 2.	6.	< .1	1.0	.3	< .5	< 2.
13	BC-93-2 1200-1210	< 2.	2.	< .1	.8	.2	< .5	< 2.
14	BC-93-2 1210-1220	2.	6.	< .1	1.0	.2	< .5	< 2.
15	BC-93-2 1220-1230	6.	12.	< .1	1.5	2.0	< .5	< 2.
16	BC-93-2 1230-1240	6.	16.	< .1	1.1	2.4	< .5	< 2.
17	BC-93-2 1240-1250	10.	32.	< .1	.9	1.7	< .5	< 2.
18	BC-93-2 1250-1260	12.	28.	< .1	.8	1.2	< .5	< 2.
19	BC-93-2 1260-1270	10.	26.	< .1	.2	1.6	< .5	< 2.
20	BC-93-2 1270-1280	12.	26.	< .1	.9	2.1	< .5	< 2.
21	BC-93-2 1280-1290	16.	42.	.9	1.6	2.1	< .5	< 2.
22	BC-93-2 1290-1300	16.	38.	1.2	1.2	2.0	.5	< 2.
23	BC-93-2 1300-1310	18.	38.	.2	.7	3.8	< .5	< 2.
24	BC-93-2 1310-1320	16.	32.	.5	.5	1.7	< .5	< 2.
25	BC-93-2 1320-1330	16.	36.	< .1	.5	1.0	< .5	< 2.

Charles E. Thompson William L. Lehmbeck James A. Martin

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

REPORT OF ANALYSIS

Analysis of 45 Rock Chip Samples

ITEM	SAMPLE NO.	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mo (ppm)	Bi (ppm)
26	BC-93-2 1330-1340	< .1	2.4	.5	160.	6.	245.	2.	.3
27	BC-93-2 1340-1350	< .1	1.8	.3	220.	6.	245.	2.	.3
28	BC-93-2 1350-1360	< .1	2.6	.3	115.	8.	145.	< 2.	.3
29	BC-93-2 1360-1370	< .1	20.0	.4	80.	8.	80.	6.	.4
30	BC-93-2 1370-1380	< .1	14.0	.5	105.	10.	18.	8.	.3
31	BC-93-2 1380-1390	.1	9.5	.5	135.	20.	10.	6.	.5
32	BC-93-2 1390-1400	< .1	11.0	1.1	160.	18.	20.	8.	.3
33	BC-93-2 1400-1410	< .1	8.5	.5	160.	12.	85.	2.	.4
34	BC-93-2 1410-1420	< .1	3.2	.2	145.	10.	125.	< 2.	.2
35	BC-93-2 1420-1430	.3	10.0	.3	150.	16.	36.	4.	.1
36	BC-93-2 1430-1440	.1	10.0	.4	175.	18.	18.	6.	.8
37	BC-93-2 1440-1450	< .1	6.5	.4	95.	8.	110.	2.	.1
38	BC-93-2 1450-1460	.1	11.0	.5	90.	16.	80.	2.	< .1
39	BC-93-2 1460-1470	.3	6.0	.4	46.	18.	145.	< 2.	.2
40	BC-93-2 1470-1480	.3	4.2	.3	14.	8.	150.	< 2.	.1
41	BC-93-2 1480-1490	< .1	4.0	.5	30.	6.	140.	< 2.	< .1
42	BC-93-2 1490-1500	< .1	2.0	.4	36.	8.	140.	< 2.	< .1
43	BC-93-2 1500-1510	< .1	1.6	.3	26.	8.	160.	< 2.	.8
44	BC-93-2 1510-1520	.1	1.2	.4	36.	6.	160.	< 2.	.1
45	BC-93-2 1520-1526.7	.1	1.0	.2	28.	6.	110.	< 2.	< .1

Charles E. Thompson William L. Lehmbeck James A. Martin

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

JOB NUMBER TEO 4447
December 8, 1993
BC-93-2 (1086-1526.7)

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

REPORT OF ANALYSIS

Analysis of 45 Rock Chip Samples

ITEM	SAMPLE NO.	Co (ppm)	Ni (ppm)	Cd (ppm)	Te (ppm)	Se (ppm)	Tl (ppm)	W (ppm)
26	BC-93-2 1330-1340	12.	32.	1.0	.2	.6	< .5	< 2.
27	BC-93-2 1340-1350	12.	36.	2.1	< .1	.2	< .5	< 2.
28	BC-93-2 1350-1360	16.	38.	.3	.5	.8	< .5	< 2.
29	BC-93-2 1360-1370	22.	40.	.5	1.3	5.0	< .5	< 2.
30	BC-93-2 1370-1380	18.	42.	.2	1.3	9.0	< .5	< 2.
31	BC-93-2 1380-1390	22.	60.	.4	.7	4.8	< .5	< 2.
32	BC-93-2 1390-1400	30.	75.	.2	.1	7.0	< .5	< 2.
33	BC-93-2 1400-1410	18.	32.	1.0	1.0	4.9	< .5	< 2.
34	BC-93-2 1410-1420	10.	20.	.7	.1	.5	< .5	< 2.
35	BC-93-2 1420-1430	20.	50.	< .1	.8	5.5	< .5	< 2.
36	BC-93-2 1430-1440	20.	36.	1.0	.9	9.0	< .5	< 2.
37	BC-93-2 1440-1450	16.	22.	.8	.2	2.4	< .5	< 2.
38	BC-93-2 1450-1460	12.	18.	< .1	.4	2.7	< .5	< 2.
39	BC-93-2 1460-1470	8.	20.	.4	.1	.4	< .5	< 2.
40	BC-93-2 1470-1480	8.	22.	< .1	< .1	.1	< .5	< 2.
41	BC-93-2 1480-1490	6.	18.	.1	< .1	< .1	< .5	< 2.
42	BC-93-2 1490-1500	8.	20.	< .1	< .1	.1	< .5	< 2.
43	BC-93-2 1500-1510	8.	20.	< .1	< .1	.1	< .5	< 2.
44	BC-93-2 1510-1520	6.	20.	< .1	< .1	< .1	< .5	< 2.
45	BC-93-2 1520-1526.7	6.	18.	< .1	< .1	< .1	< .5	< 2.

REGISTERED ASSAYER
CERTIFICATE NO.
9425
WILLIAM L. LEHMBECK
ARIZONA U.S.A.

William L. Lehmbeck
Manager

Charles E. Thompson William L. Lehmbeck James A. Martin

82

681

707

MESQUITE Mo

MBG = 1.5 ppm

5 ppm

8 ppm

15 ppm

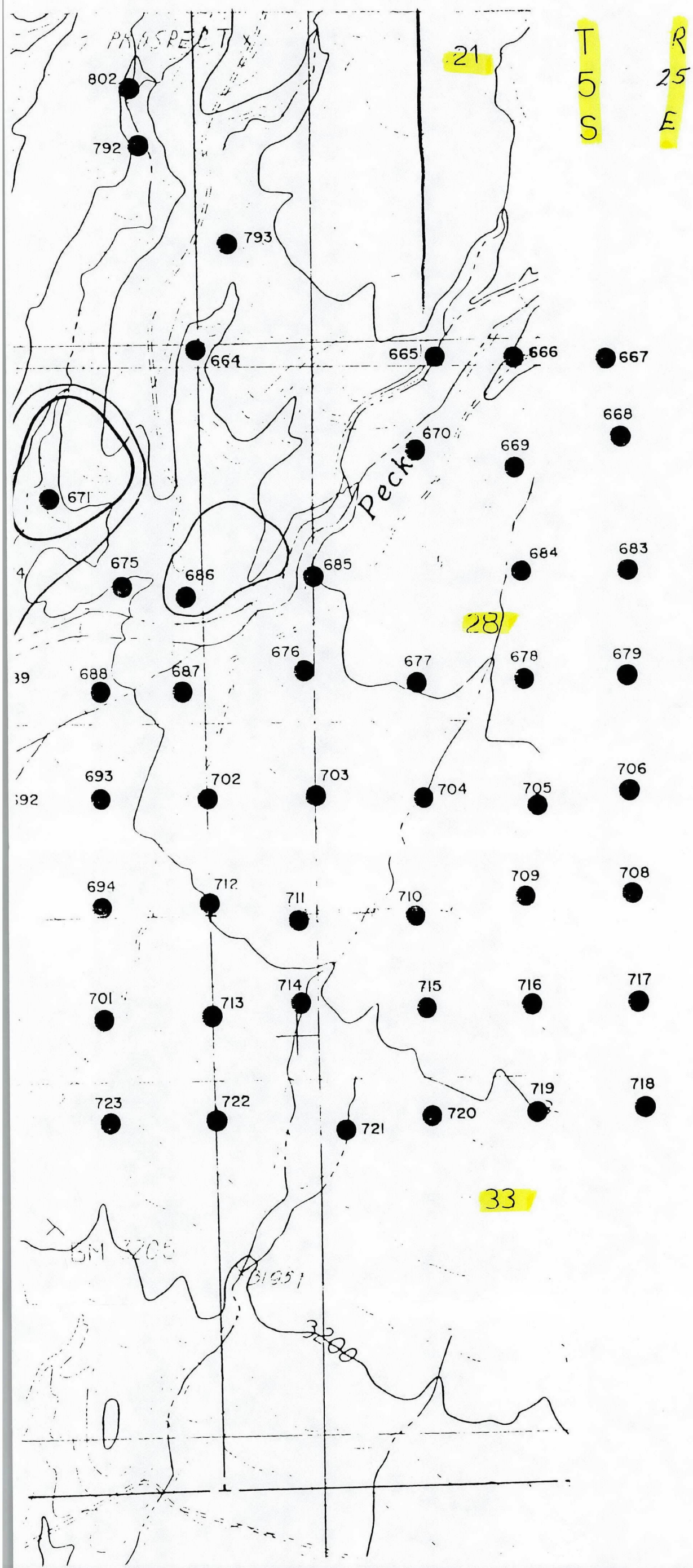
Sample Location

XPLORATION GROUP - PHELPS DODGE MINING CO.

BILLINGSLEY WASH

Graham County, Arizona

ALE	H: 1" = 1000'	CONTOUR INTERVAL:		REVISIONS
	V:	DATE: 6/93	BY: ROW/mbc	
IEET OF		DRAWING NO:		FILE: AZ 368



MESQUITE Mo

MBG = 1.5 ppm

5 ppm

8 ppm

15 ppm

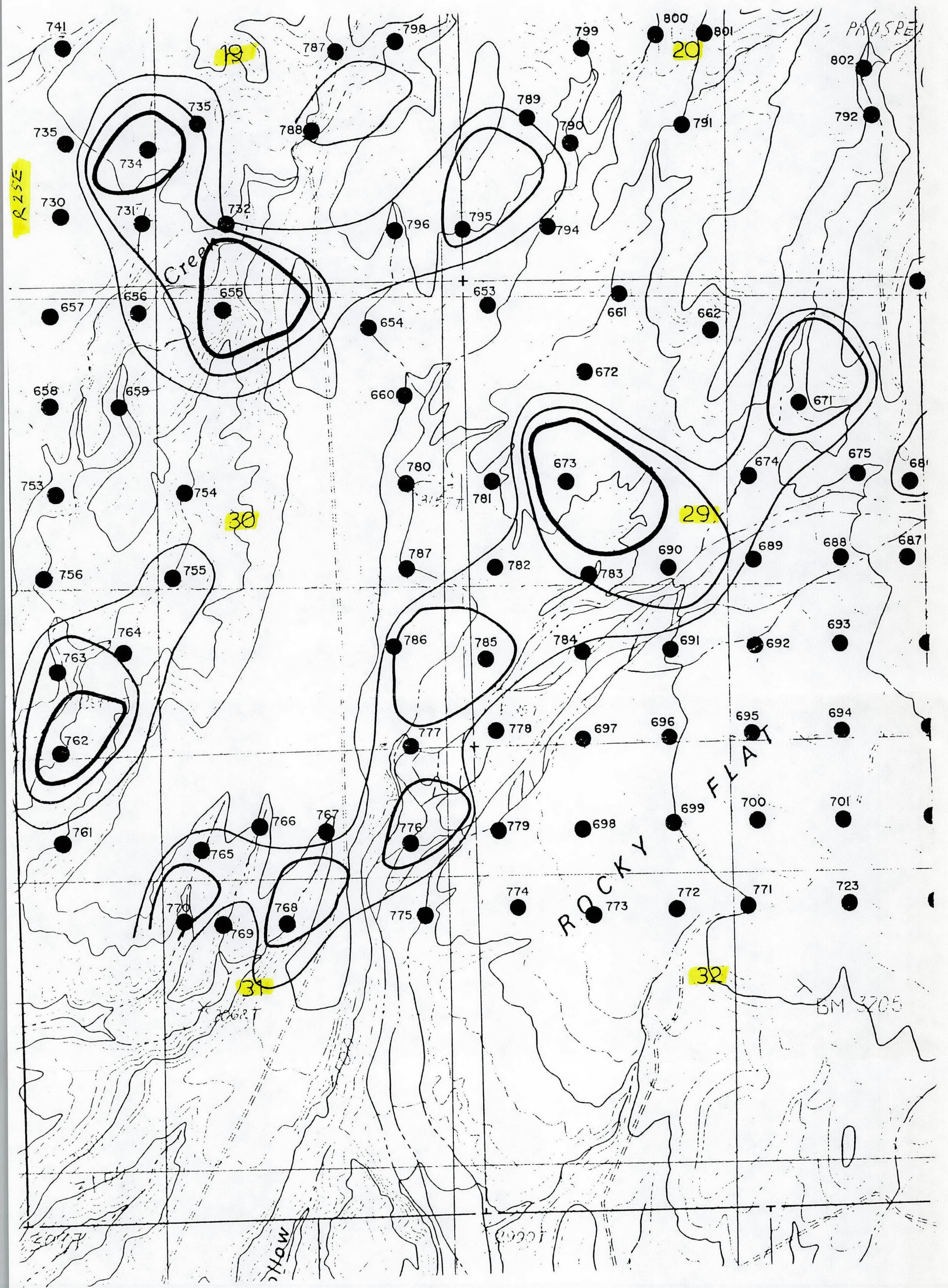
Sample Location

EXPLORATION GROUP - PHELPS DODGE MINING

BILLINGSLEY WASH

Graham County, Arizona

SCALE	H: 1" = 1000'	CONTOUR INTERVAL:		REVISI
	V:	DATE: 6/93	BY: ROW/mbc	
SHEET OF		DRAWING NO:		FILE: AZ


R 25 E
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BM 3705
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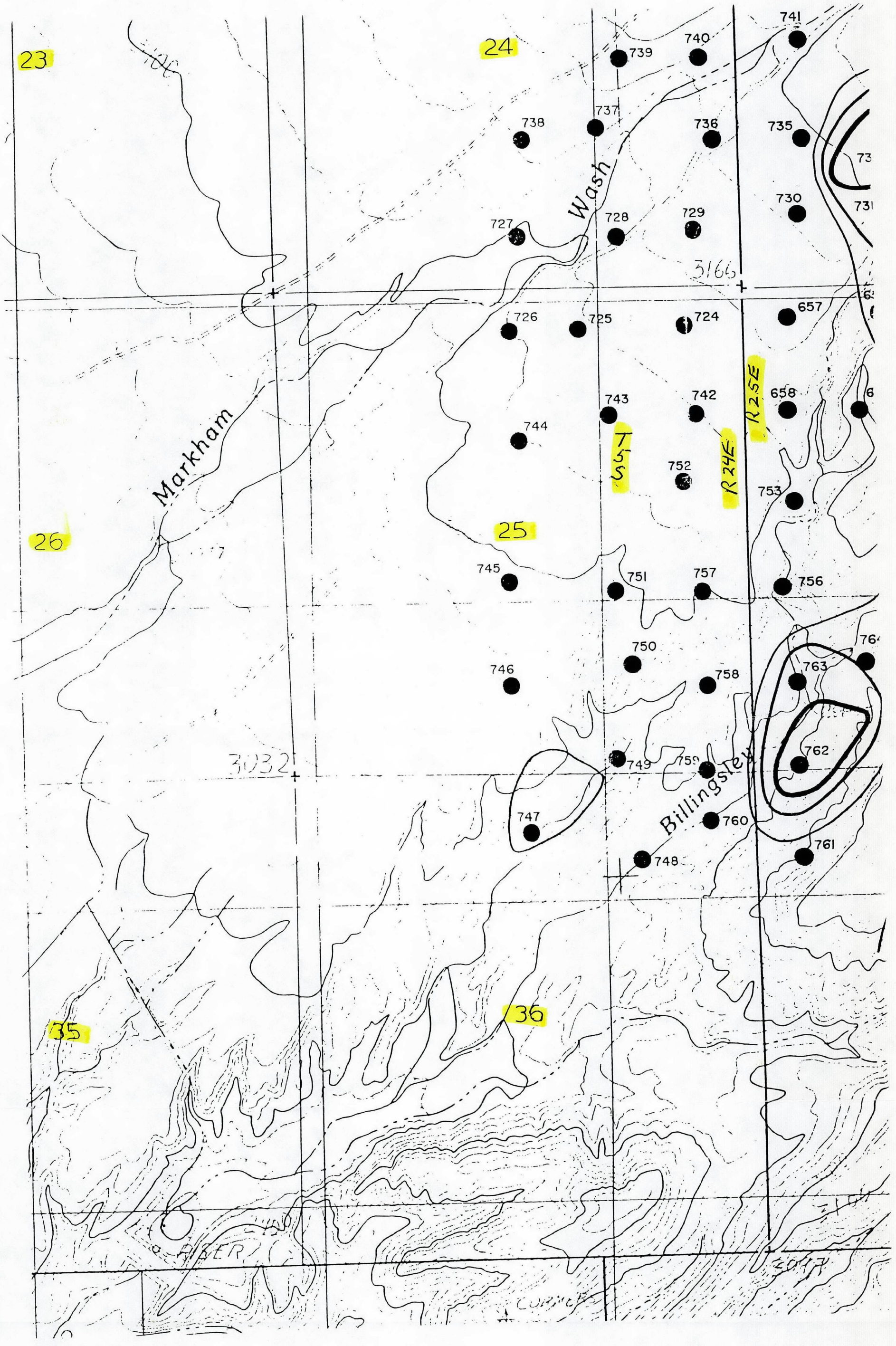
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T 5 S
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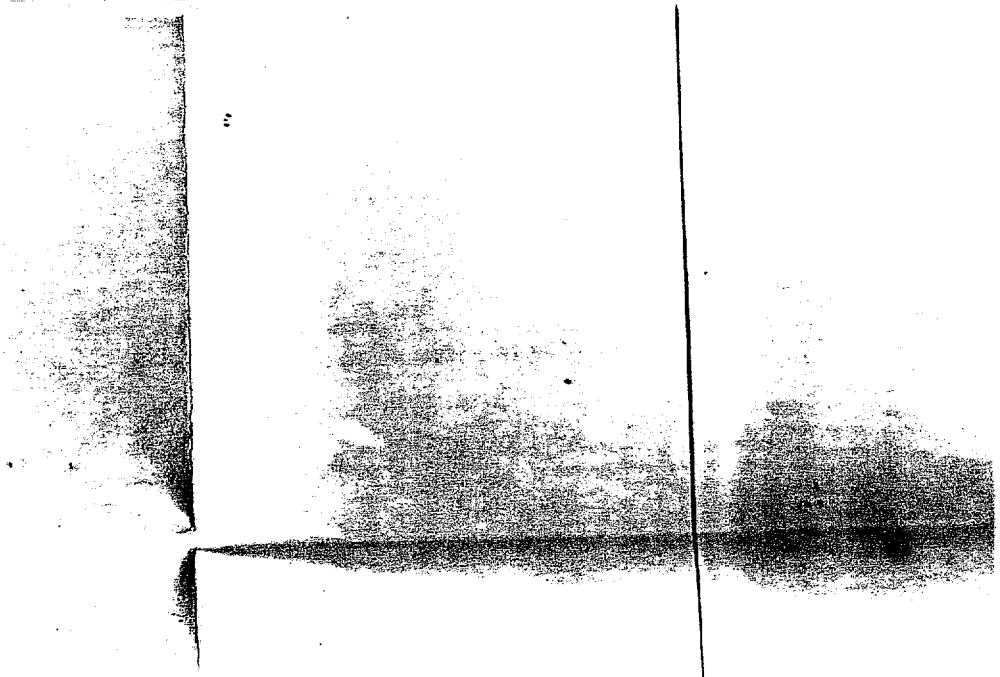
MESQUITE Cu

MBG = 52 ppm

80 ppm

100 ppm



MESQUITE Zn

MBG = 125 ppm

230 ppm

300 ppm

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10064.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

PROJECT: NONE GIVEN

SUBMITTED BY: M. STAUFFER

DATE PRINTED: 24-FEB-93

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	49	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	49	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	49	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	49	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	49	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
1 ASH	49	5 OTHER	49	ASHING	49

REPORT COPIES TO: MR. MIKE ELZY
MR. KEN A. LOVSTROM
MR. RANDY WHITE
MR. MIKE PAWLOWSKI

INVOICE TO: MR. RANDY WHITE

Bondar-Clegg Inc.
625 Spice Island Drive, Building 1, Unit A, Sparks, Nevada, 89431, U.S.A.
Tel: (702) 359-9330, Fax: (702)359-9386

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10064.0 (COMPLETE)

DATE PRINTED: 23-FEB-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
15 T05501		<0.2	135	5	257	10
15 T05502		<0.2	81	2	186	4
15 T05503		<0.2	52	23	97	<1
15 T05504		<0.2	104	<2	333	4
15 T05505		<0.2	85	3	318	5
15 T05506		<0.2	69	7	138	5
15 T05507		<0.2	50	3	97	2
15 T05508		<0.2	73	<2	161	4
15 T05509		<0.2	42	14	75	2
15 T05510		<0.2	60	3	88	3
15 T05511		<0.2	55	<2	103	2
15 T05512		<0.2	130	18	433	7
15 T05513		<0.2	88	3	187	8
15 T05514		<0.2	86	2	242	3
15 T05515		<0.2	70	<2	188	2
15 T05516		<0.2	57	<2	256	8
15 T05517		<0.2	60	<2	128	2
15 T05518		<0.2	74	<2	148	5
15 T05519		<0.2	66	2	140	6
15 T05520		0.2	67	3	133	2
15 T05521		<0.2	76	<2	227	5
15 T05522		<0.2	34	<2	98	1
15 T05523		<0.2	59	<2	117	2
15 T05524		<0.2	56	2	89	3
15 T05525		<0.2	48	<2	108	2
15 T05526		<0.2	47	<2	89	2
15 T05527		<0.2	93	<2	172	4
15 T05528		<0.2	89	<2	155	4
15 T05529		<0.2	45	2	72	1
15 T05530		<0.2	88	2	373	4
15 T05531		<0.2	47	<2	127	2
15 T05532		<0.2	89	<2	185	4
15 T05533		<0.2	55	<2	122	4
15 T05534		<0.2	88	4	157	4
15 T05535		0.4	85	4	194	6
15 T05536		0.7	84	<2	172	3
15 T05537		0.4	69	2	263	5
15 T05538		0.3	79	<2	215	6
15 T05539		<0.2	90	<2	223	4
15 T05540		<0.2	38	<2	79	1

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Tel: (702) 359-9330, Fax: (702)359-9386

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10064.0 (COMPLETE)

DATE PRINTED: 23-FEB-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
15 T05541		<0.2	48	<2	173	3
15 T05542		<0.2	55	<2	137	3
15 T05543		<0.2	65	<2	159	2
15 T05544		<0.2	63	2	114	2
15 T05545		<0.2	70	<2	125	2
15 T05546		<0.2	80	6	109	3
15 T05547		<0.2	89	4	122	4
15 T05548		<0.2	78	<2	131	5
15 T05549		<0.2	83	2	108	3

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10064.0 (COMPLETE)

DATE PRINTED: 23-FEB-93
PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
GS89-2		4.7	835	210	459	476
Number of Analyses		1	1	1	1	1
Mean Value		4.70	835.3	210.0	458.7	476.4
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
Number of Analyses		2	2	2	2	2
Mean Value		0.10	0.5	1.0	0.5	0.5
Standard Deviation		<0.001	<0.01	<0.01	<0.01	<0.01
Accepted Value		0.2	1	2	1	1
GEO TRACE STD1(1989)		30.8	185	-	52	14
Number of Analyses		1	1	-	1	1
Mean Value		30.81	184.5	-	51.8	14.2
Standard Deviation		-	-	-	-	-
Accepted Value		34.0	190	15	62	17

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10064.0 (COMPLETE)

DATE PRINTED: 23-FEB-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05505		<0.2	85	3	318	5
Duplicate		<0.2	84	2	315	5
T05522		<0.2	34	<2	98	1
Duplicate		<0.2	39	3	91	1
T05542		<0.2	55	<2	137	3
Duplicate		<0.2	54	<2	138	3

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

PROJECT: NONE GIVEN

SUBMITTED BY: K. LOVSTROM

DATE PRINTED: 4-MAY-93

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	38	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	38	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	38	5 OTHER	38	ASHING	38
				DRY MACERATE BLEND	38

REPORT COPIES TO: MR. RANDY WHITE
MR. KEN A. LOVSTROM
MR. W.H. WILKINSON

INVOICE TO: MR. RANDY WHITE

Bondar-Clegg Inc.
625 Spice Island Drive, Building 1, Unit A, Sparks, Nevada, 89431, U.S.A.
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BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

DATE PRINTED: 4-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05655		<0.2	122	6	450	12
!5 T05656		<0.2	62	5	174	5
!5 T05657		<0.2	34	5	273	2
!5 T05658		<0.2	30	5	171	<1
!5 T05659		<0.2	45	4	283	1
!5 T05665		<0.2	42	4	109	4
!5 T05666		<0.2	75	4	162	2
!5 T05667		<0.2	66	3	192	1
!5 T05668		<0.2	42	4	119	<1
!5 T05669		<0.2	55	4	132	1
!5 T05670		<0.2	66	7	157	2
!5 T05676		<0.2	69	4	130	3
!5 T05677		<0.2	54	2	139	2
!5 T05678		<0.2	91	4	149	2
!5 T05679		<0.2	57	4	117	2
!5 T05680		<0.2	49	5	185	2
!5 T05681		<0.2	42	3	182	2
!5 T05682		<0.2	52	3	251	2
!5 T05683		<0.2	46	<2	114	1
!5 T05684		<0.2	60	4	115	1
!5 T05685		<0.2	42	4	125	<1
!5 T05703		<0.2	66	3	142	2
!5 T05704		<0.2	49	4	134	<1
!5 T05705		<0.2	51	3	106	<1
!5 T05706		<0.2	65	4	158	1
!5 T05707		<0.2	39	2	147	2
!5 T05708		<0.2	52	3	166	2
!5 T05709		<0.2	66	2	142	2
!5 T05710		<0.2	62	3	142	2
!5 T05711		<0.2	56	3	136	<1
!5 T05714		<0.2	58	3	96	2
!5 T05715		<0.2	72	3	128	1
!5 T05716		<0.2	56	3	154	1
!5 T05717		<0.2	59	2	137	<1
!5 T05718		<0.2	54	3	131	1
!5 T05719		<0.2	53	4	130	1
!5 T05720		<0.2	65	3	156	1
!5 T05721		<0.2	79	3	242	3

Bondar-Clegg Inc.
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Tel: (702) 359-9330, Fax: (702)359-9386

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

DATE PRINTED: 4-MAY-93

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
TRACE GEOCHEM STD		0.5	237	27	231	4
Number of Analyses		1	1	1	1	1
Mean Value		0.46	236.8	27.3	230.6	4.1
Standard Deviation		-	-	-	-	-
Accepted Value		0.5	290	33	255	4
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
Number of Analyses		2	2	2	2	2
Mean Value		0.10	0.5	1.0	0.5	0.5
Standard Deviation		<0.001	<0.01	<0.01	<0.01	<0.01
Accepted Value		0.2	1	2	1	1
GS89-2		4.5	812	212	468	486
Number of Analyses		1	1	1	1	1
Mean Value		4.53	811.8	212.0	468.4	485.6
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600

Bondar-Clegg Inc.
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BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

DATE PRINTED: 4-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05655		<0.2	122	6	450	12
Duplicate		<0.2	133	4	451	12
T05683		<0.2	46	<2	114	1
Duplicate		<0.2	54	2	101	2
T05721		<0.2	79	3	242	3
Duplicate		<0.2	79	3	239	3

Bondar-Clegg Inc.
625 Spice Island Drive, Building 1, Unit A, Sparks, Nevada, 89431, U.S.A.
Tel: (702) 359-9330, Fax: (702)359-9386

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

PROJECT: NONE GIVEN

SUBMITTED BY: M. STAUFFER

DATE PRINTED: 6-MAY-93

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	112	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	112	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	112	5 OTHER	112	ASHING	112
				DRY MACERATE BLEND	112

REPORT COPIES TO: MR. KEN A. LOVSTROM
MR. RANDY WHITE
MR. W.H. WILKINSON

INVOICE TO: MR. W.H. WILKINSON

Bondar-Clegg Inc.
625 Spice Island Drive, Building 1, Unit A, Sparks, Nevada, 89431, U.S.A.
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BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05653		<0.2	56	4	105	2
!5 T05654		<0.2	60	3	90	3
!5 T05660		<0.2	59	3	144	3
!5 T05661		<0.2	62	3	98	2
!5 T05662		<0.2	33	2	118	2
!5 T05663		<0.2	77	3	87	3
!5 T05664		<0.2	49	4	120	1
!5 T05671		<0.2	93	4	116	6
!5 T05672		<0.2	40	3	119	3
!5 T05673		<0.2	100	3	218	22
!5 T05674		<0.2	64	3	133	5
!5 T05675		<0.2	60	4	155	2
!5 T05686		<0.2	60	4	133	5
!5 T05687		<0.2	72	3	265	3
!5 T05688		<0.2	64	5	166	4
!5 T05689		<0.2	50	7	132	3
!5 T05690		<0.2	109	3	244	13
!5 T05691		<0.2	58	5	103	3
!5 T05692		<0.2	49	3	135	2
!5 T05693		<0.2	80	2	176	3
!5 T05694		<0.2	62	4	133	<1
!5 T05695		<0.2	63	3	105	<1
!5 T05696		<0.2	59	3	104	3
!5 T05697		<0.2	57	3	133	1
!5 T05698		<0.2	77	4	121	1
!5 T05699		<0.2	75	2	127	2
!5 T05700		<0.2	57	2	104	1
!5 T05701		<0.2	55	2	150	1
!5 T05702		<0.2	66	3	111	3
!5 T05712		<0.2	51	3	100	<1
!5 T05713		<0.2	61	4	130	1
!5 T05722		<0.2	34	2	95	<1
!5 T05723		<0.2	57	3	165	1
!5 T05724		<0.2	43	4	177	4
!5 T05725		<0.2	88	5	136	4
!5 T05726		<0.2	52	4	124	<1
!5 T05727		<0.2	34	3	448	<1
!5 T05728		<0.2	43	3	168	3
!5 T05729		<0.2	58	3	121	2
!5 T05730		<0.2	46	4	173	3

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05731		0.2	75	4	269	7
!5 T05732		<0.2	63	3	173	2
!5 T05733		<0.2	76	5	129	5
!5 T05734		<0.2	67	4	126	14
!5 T05735		<0.2	54	3	108	1
!5 T05736		<0.2	33	4	86	1
!5 T05737		<0.2	50	4	336	<1
!5 T05738		<0.2	59	3	108	1
!5 T05739		<0.2	60	4	296	1
!5 T05740		<0.2	67	2	223	1
!5 T05741		<0.2	44	2	144	2
!5 T05742		<0.2	71	3	150	2
!5 T05743		<0.2	39	3	124	1
!5 T05744		<0.2	47	4	140	<1
!5 T05745		<0.2	56	4	153	1
!5 T05746		<0.2	60	4	178	1
!5 T05747		<0.2	78	5	155	6
!5 T05748		<0.2	97	2	150	5
!5 T05749		<0.2	62	3	238	4
!5 T05750		<0.2	75	6	113	2
!5 T05751		<0.2	68	6	149	1
!5 T05752		<0.2	50	3	162	2
!5 T05753		<0.2	81	5	150	2
!5 T05754		<0.2	82	4	130	4
!5 T05755		<0.2	79	5	116	5
!5 T05756		<0.2	64	4	222	2
!5 T05757		<0.2	40	3	81	1
!5 T05758		<0.2	70	4	95	2
!5 T05759		<0.2	76	4	189	5
!5 T05760		<0.2	59	5	166	4
!5 T05761		<0.2	77	6	116	3
!5 T05762		<0.2	81	3	100	13
!5 T05763		<0.2	97	7	188	7
!5 T05764		<0.2	72	3	103	5
!5 T05765		<0.2	96	2	192	5
!5 T05766		<0.2	50	3	93	2
!5 T05767		<0.2	59	4	206	1
!5 T05768		<0.2	70	3	220	6
!5 T05769		<0.2	53	3	262	4
!5 T05770		<0.2	81	3	172	6

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05771		<0.2	63	3	136	2
!5 T05772		<0.2	51	2	111	<1
!5 T05773		<0.2	44	2	81	2
!5 T05774		<0.2	68	3	130	2
!5 T05775		<0.2	66	2	120	<1
!5 T05776		<0.2	78	3	162	6
!5 T05777		<0.2	95	6	158	5
!5 T05778		<0.2	56	4	73	2
!5 T05779		<0.2	66	4	242	4
!5 T05780		<0.2	101	2	234	4
!5 T05781		<0.2	54	4	121	2
!5 T05782		<0.2	74	3	158	5
!5 T05783		<0.2	88	5	162	5
!5 T05784		<0.2	55	5	162	4
!5 T05785		<0.2	87	3	150	8
!5 T05786		<0.2	54	4	124	6
!5 T05787		<0.2	90	5	327	3
!5 T05788		<0.2	61	6	77	5
!5 T05789		<0.2	48	4	100	3
!5 T05790		<0.2	45	4	187	2
!5 T05791		<0.2	49	4	96	2
!5 T05792		<0.2	45	5	67	2
!5 T05793		<0.2	49	2	109	2
!5 T05794		<0.2	42	<2	83	2
!5 T05795		<0.2	56	7	65	7
!5 T05796		<0.2	52	11	79	5
!5 T05797		<0.2	29	6	107	<1
!5 T05798		<0.2	30	3	133	<1
!5 T05799		<0.2	27	3	320	<1
!5 T05800		<0.2	30	4	116	<1
!5 T05801		<0.2	49	8	89	<1
!5 T05802		<0.2	49	<2	107	4

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
TRACE GEOCHEM STD		0.3	272	29	241	4
TRACE GEOCHEM STD		0.3	-	27	213	4
Number of Analyses		2	1	2	2	2
Mean Value		0.29	272.0	27.9	227.1	3.8
Standard Deviation		0.014	-	1.69	19.32	0.10
Accepted Value		0.5	290	33	255	4
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
Number of Analyses		4	4	4	4	4
Mean Value		0.10	0.5	1.0	0.5	0.5
Standard Deviation		<0.001	<0.01	<0.01	<0.01	<0.01
Accepted Value		0.2	1	2	1	1
GS89-2		3.9	788	209	467	483
Number of Analyses		1	1	1	1	1
Mean Value		3.87	788.0	208.7	466.8	482.9
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600
GEO TRACE STD1(1989)		33.5	192	14	58	19
Number of Analyses		1	1	1	1	1
Mean Value		33.52	192.0	14.3	58.5	19.0
Standard Deviation		-	-	-	-	-
Accepted Value		34.0	190	15	62	17

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05664		<0.2	49	4	120	1
Duplicate		<0.2	48	4	120	1
T05697		<0.2	57	3	133	1
Duplicate		<0.2	59	4	137	2
T05734		<0.2	67	4	126	14
Duplicate		<0.2	65	3	122	13
T05751		<0.2	68	6	149	1
Duplicate		<0.2	68	4	150	1
T05771		<0.2	63	3	136	2
Duplicate		<0.2	58	3	129	2
T05788		<0.2	61	6	77	5
Duplicate		<0.2		4		5

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Geochemical Lab Report

Inscape Testing Services

REPORT: R93-10266.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

SUBMITTED BY: M. STAUFFER

PROJECT: NONE GIVEN

DATE PRINTED: 6-MAY-93

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	112	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	112	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	112	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	112	5 OTHER	112	ASHING	112
				DRY MACERATE BLEND	112

REPORT COPIES TO: MR. KEN A. LOVSTROM
MR. RANDY WHITE
MR. W.H. WILKINSON

INVOICE TO: MR. W.H. WILKINSON

Bondar-Clegg Inc.
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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05653		<0.2	56	4	105	2
!5 T05654		<0.2	60	3	90	3
!5 T05660		<0.2	59	3	144	3
!5 T05661		<0.2	62	3	98	2
!5 T05662		<0.2	33	2	118	2
!5 T05663		<0.2	77	3	87	3
!5 T05664		<0.2	49	4	120	1
!5 T05671		<0.2	93	4	116	6
!5 T05672		<0.2	40	3	119	3
!5 T05673		<0.2	100	3	218	22
!5 T05674		<0.2	64	3	133	5
!5 T05675		<0.2	60	4	155	2
!5 T05686		<0.2	60	4	133	5
!5 T05687		<0.2	72	3	265	3
!5 T05688		<0.2	64	5	166	4
!5 T05689		<0.2	50	7	132	3
!5 T05690		<0.2	109	3	244	13
!5 T05691		<0.2	58	5	103	3
!5 T05692		<0.2	49	3	135	2
!5 T05693		<0.2	80	2	176	3
!5 T05694		<0.2	62	4	133	<1
!5 T05695		<0.2	63	3	105	<1
!5 T05696		<0.2	59	3	104	3
!5 T05697		<0.2	57	3	133	1
!5 T05698		<0.2	77	4	121	1
!5 T05699		<0.2	75	2	127	2
!5 T05700		<0.2	57	2	104	1
!5 T05701		<0.2	55	2	150	1
!5 T05702		<0.2	66	3	111	3
!5 T05712		<0.2	51	3	100	<1
!5 T05713		<0.2	61	4	130	1
!5 T05722		<0.2	34	2	95	<1
!5 T05723		<0.2	57	3	165	1
!5 T05724		<0.2	43	4	177	4
!5 T05725		<0.2	88	5	136	4
!5 T05726		<0.2	52	4	124	<1
!5 T05727		<0.2	34	3	448	<1
!5 T05728		<0.2	43	3	168	3
!5 T05729		<0.2	58	3	121	2
!5 T05730		<0.2	46	4	173	3

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE CORPORATION

SUBMITTED BY: M. STAUFFER

PROJECT: NONE GIVEN

DATE PRINTED: 5-MAR-93

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	103	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	103	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	103	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	103	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	103	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	103	5 OTHER	103	ASHING	103

REPORT COPIES TO: MR. K.A. LOVSTROM
MR. MIKE ELZY
MIKE PAWLOWSKI
RANDY WHITE

INVOICE TO: RANDY WHITE

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 5-MAR-93

REPORT: R93-10077.0 (COMPLETE)

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05550		<0.2	66	7	114	11
!5 T05551		<0.2	61	8	123	9
!5 T05552		<0.2	69	8	105	11
!5 T05553		<0.2	71	7	130	10
!5 T05554		<0.2	62	7	94	9
!5 T05555		<0.2	50	6	105	9
!5 T05556		<0.2	62	9	117	10
!5 T05557		<0.2	56	9	93	9
!5 T05558		<0.2	49	7	87	9
!5 T05559		<0.2	68	9	120	9
!5 T05560		<0.2	31	7	63	9
!5 T05561		<0.2	54	7	70	9
!5 T05562		<0.2	53	8	115	10
!5 T05563		<0.2	77	6	226	15
!5 T05564		<0.2	78	7	130	11
!5 T05565		<0.2	48	8	192	8
!5 T05566		<0.2	63	8	108	11
!5 T05567		<0.2	51	6	106	10
!5 T05568		<0.2	51	7	70	8
!5 T05569		<0.2	56	6	269	11
!5 T05570		<0.2	74	8	267	9
!5 T05571		<0.2	45	6	90	8
!5 T05572		<0.2	69	7	101	8
!5 T05573		<0.2	105	8	237	8
!5 T05574		<0.2	114	6	174	10
!5 T05575		<0.2	94	9	156	9
!5 T05576		<0.2	79	7	165	9
!5 T05577		<0.2	63	7	118	11
!5 T05578		<0.2	67	6	131	11
!5 T05579		<0.2	68	7	88	11
!5 T05580		<0.2	78	8	144	10
!5 T05581		<0.2	70	6	89	10
!5 T05582		<0.2	82	8	155	12
!5 T05583		<0.2	71	6	121	12
!5 T05584		<0.2	66	6	122	10
!5 T05585		<0.2	56	7	136	11
!5 T05586		<0.2	50	6	98	9
!5 T05587		<0.2	58	7	104	12
!5 T05588		<0.2	51	5	103	10
!5 T05589		<0.2	52	6	88	13

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Geochemical Lab Report

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05590		<0.2	56	5	117	9
!5 T05591		<0.2	62	5	108	8
!5 T05592		<0.2	53	6	85	12
!5 T05593		<0.2	52	5	131	12
!5 T05594		<0.2	54	8	68	10
!5 T05595		<0.2	84	7	112	9
!5 T05596		<0.2	77	6	104	11
!5 T05597		<0.2	92	6	267	9
!5 T05598		<0.2	103	4	207	8
!5 T05599		<0.2	76	5	140	9
!5 T05600		<0.2	66	4	141	8
!5 T05601		<0.2	68	6	134	9
!5 T05602		<0.2	121	6	85	17
!5 T05603		<0.2	94	6	153	10
!5 T05604		<0.2	124	9	122	14
!5 T05605		<0.2	99	7	92	24
!5 T05606		<0.2	100	5	89	15
!5 T05607		<0.2	123	5	104	28
!5 T05608		<0.2	88	4	82	23
!5 T05609		<0.2	121	7	92	19
!5 T05610		<0.2	92	5	104	16
!5 T05611		<0.2	68	6	70	18
!5 T05612		<0.2	73	5	102	16
!5 T05613		<0.2	81	7	109	11
!5 T05614		<0.2	75	7	115	8
!5 T05615		<0.2	57	5	82	16
!5 T05616		<0.2	174	7	91	26
!5 T05617		<0.2	76	5	145	8
!5 T05618		<0.2	54	7	178	9
!5 T05619		<0.2	89	6	180	8
!5 T05620		<0.2	66	6	90	11
!5 T05621		<0.2	48	4	52	12
!5 T05622		<0.2	81	5	119	14
!5 T05623		<0.2	61	5	75	14
!5 T05624		<0.2	67	5	99	14
!5 T05625		<0.2	62	6	102	14
!5 T05626		<0.2	61	5	83	12
!5 T05627		<0.2	78	5	70	11
!5 T05628		<0.2	97	6	63	12
!5 T05629		<0.2	154	5	101	17

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Geochemical Lab Report

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REPORT: R93-10077.0 (COMPLETE) PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05630		<0.2	144	5	103	20
!5 T05631		<0.2	128	5	100	34
!5 T05632		<0.2	170	8	166	55
!5 T05633		<0.2	121	6	104	21
!5 T05634		<0.2	61	5	145	8
!5 T05635		<0.2	81	7	203	8
!5 T05636		<0.2	36	6	176	8
!5 T05637		<0.2	115	5	121	10
!5 T05638		<0.2	95	6	75	10
!5 T05639		<0.2	68	6	137	13
!5 T05640		<0.2	92	5	235	12
!5 T05641		<0.2	67	8	124	10
!5 T05642		<0.2	80	8	138	14
!5 T05643		<0.2	78	9	107	10
!5 T05644		<0.2	93	8	128	13
!5 T05645		<0.2	77	9	50	9
!5 T05646		<0.2	67	9	103	12
!5 T05647		<0.2	86	8	243	11
!5 T05648		<0.2	74	8	231	8
!5 T05649		<0.2	77	6	165	7
!5 T05650		<0.2	64	10	205	8
!5 T05651		<0.2	92	8	258	7
!5 T05652		<0.2	70	8	210	10

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 5-MAR-93

REPORT: R93-10077.0 (COMPLETE)

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
GS89-2		4.4	876	245	545	657
Number of Analyses		1	1	1	1	1
Mean Value		4.40	876.0	245.0	545.0	657.0
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600
ANALYTICAL BLANK		<0.2	<1	<2	1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	2	<1
Number of Analyses		3	3	3	3	3
Mean Value		0.10	0.5	1.0	1.2	0.5
Standard Deviation		<0.001	<0.01	<0.01	0.76	<0.01
Accepted Value		0.2	1	2	1	1
GEO TRACE STD1(1989)		32.1	190	15	61	16
Number of Analyses		1	1	1	1	1
Mean Value		32.13	189.7	14.5	61.0	16.5
Standard Deviation		-	-	-	-	-
Accepted Value		34.0	190	15	62	17
TRACE GEOCHEM STD		0.5	282	31	250	4
Number of Analyses		1	1	1	1	1
Mean Value		0.49	282.3	31.5	249.8	3.9
Standard Deviation		-	-	-	-	-
Accepted Value		0.5	290	33	255	4

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 5-MAR-93

REPORT: R93-10077.0 (COMPLETE)

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05557		<0.2	56	9	93	9
Duplicate		<0.2	54	7	93	9
T05574		<0.2	114	6	174	10
Duplicate		<0.2	107	6	165	9
T05594		<0.2	54	8	68	10
Duplicate		<0.2	53	7	66	10
T05611		<0.2	68	6	70	18
Duplicate		<0.2	67	5	72	18
T05631		<0.2	128	5	100	34
Duplicate		<0.2	130	8	97	31
T05648		<0.2	74	8	231	8
Duplicate		<0.2	74	7	227	7

BONDAR-CLEGG

Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

PROJECT: NONE GIVEN

SUBMITTED BY: M. STAUFFER

DATE PRINTED: 10-MAR-93

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	103	0.2 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
2	Cu	Copper	103	1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
3	Pb	Lead	103	2 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
4	Zn	Zinc	103	1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION
5	Mo	Molybdenum	103	1 PPM	HCL:HNO3 (3:1)	ATOMIC ABSORPTION

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	103	5 OTHER	103	ASHING	103

REPORT COPIES TO: MR. MIKE ELZY
MR. KEN A. LOVSTROM
MR. RANDY WHITE
MR. MIKE PAWLOWSKI

INVOICE TO: MR. RANDY WHITE

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

DATE PRINTED: 10-MAR-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05550		<0.2	66	7	114	11
!5 T05551		<0.2	61	8	123	9
!5 T05552		<0.2	69	8	105	11
!5 T05553		<0.2	71	7	130	10
!5 T05554		<0.2	62	7	94	9
!5 T05555		<0.2	50	6	105	9
!5 T05556		<0.2	62	9	117	10
!5 T05557		<0.2	56	9	93	9
!5 T05558		<0.2	49	7	87	9
!5 T05559		<0.2	68	9	120	9
!5 T05560		<0.2	31	7	63	9
!5 T05561		<0.2	54	7	70	9
!5 T05562		<0.2	53	8	115	10
!5 T05563		<0.2	77	6	226	15
!5 T05564		<0.2	78	7	130	11
!5 T05565		<0.2	48	8	192	8
!5 T05566		<0.2	63	8	108	11
!5 T05567		<0.2	51	6	106	10
!5 T05568		<0.2	51	7	70	8
!5 T05569		<0.2	56	6	269	11
!5 T05570		<0.2	74	8	267	9
!5 T05571		<0.2	45	6	90	8
!5 T05572		<0.2	69	7	101	8
!5 T05573		<0.2	105	8	237	8
!5 T05574		<0.2	114	6	174	10
!5 T05575		<0.2	94	9	156	9
!5 T05576		<0.2	79	7	165	9
!5 T05577		<0.2	63	7	118	11
!5 T05578		<0.2	67	6	131	11
!5 T05579		<0.2	68	7	88	11
!5 T05580		<0.2	78	8	144	10
!5 T05581		<0.2	70	6	89	10
!5 T05582		<0.2	82	8	155	12
!5 T05583		<0.2	71	6	121	12
!5 T05584		<0.2	66	6	122	10
!5 T05585		<0.2	56	7	136	11
!5 T05586		<0.2	50	6	98	9
!5 T05587		<0.2	58	7	104	12
!5 T05588		<0.2	51	5	103	10
!5 T05589		<0.2	52	6	88	13

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

DATE PRINTED: 10-MAR-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05590		<0.2	56	5	117	9
!5 T05591		<0.2	62	5	108	8
!5 T05592		<0.2	53	6	85	12
!5 T05593		<0.2	52	5	131	12
!5 T05594		<0.2	54	8	68	10
!5 T05595		<0.2	84	7	112	9
!5 T05596		<0.2	77	6	104	11
!5 T05597		<0.2	92	6	267	9
!5 T05598		<0.2	103	4	207	8
!5 T05599		<0.2	76	5	140	9
!5 T05600		<0.2	66	4	141	8
!5 T05601		<0.2	68	6	134	9
!5 T05602		<0.2	121	6	85	17
!5 T05603		<0.2	94	6	153	10
!5 T05604		<0.2	124	9	122	14
!5 T05605		<0.2	99	7	92	24
!5 T05606		<0.2	100	5	89	15
!5 T05607		<0.2	123	5	104	28
!5 T05608		<0.2	88	4	82	23
!5 T05609		<0.2	121	7	92	19
!5 T05610		<0.2	92	5	104	16
!5 T05611		<0.2	68	6	70	18
!5 T05612		<0.2	73	5	102	16
!5 T05613		<0.2	81	7	109	11
!5 T05614		<0.2	75	7	115	8
!5 T05615		<0.2	57	5	82	16
!5 T05616		<0.2	174	7	91	26
!5 T05617		<0.2	76	5	145	8
!5 T05618		<0.2	54	7	178	9
!5 T05619		<0.2	89	6	180	8
!5 T05620		<0.2	66	6	90	11
!5 T05621		<0.2	48	4	52	12
!5 T05622		<0.2	81	5	119	14
!5 T05623		<0.2	61	5	75	14
!5 T05624		<0.2	67	5	99	14
!5 T05625		<0.2	62	6	102	14
!5 T05626		<0.2	61	5	83	12
!5 T05627		<0.2	78	5	70	11
!5 T05628		<0.2	97	6	63	12
!5 T05629		<0.2	154	5	101	17

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

DATE PRINTED: 10-MAR-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05630		<0.2	144	5	103	20
!5 T05631		<0.2	128	5	100	34
!5 T05632		<0.2	170	8	166	55
!5 T05633		<0.2	121	6	104	21
!5 T05634		<0.2	61	5	145	8
!5 T05635		<0.2	81	7	203	8
!5 T05636		<0.2	36	6	176	8
!5 T05637		<0.2	115	5	121	10
!5 T05638		<0.2	95	6	75	10
!5 T05639		<0.2	68	6	137	13
!5 T05640		<0.2	92	5	235	12
!5 T05641		<0.2	67	8	124	10
!5 T05642		<0.2	80	8	138	14
!5 T05643		<0.2	78	9	107	10
!5 T05644		<0.2	93	8	128	13
!5 T05645		<0.2	77	9	50	9
!5 T05646		<0.2	67	9	103	12
!5 T05647		<0.2	86	8	243	11
!5 T05648		<0.2	74	8	231	8
!5 T05649		<0.2	77	6	165	7
!5 T05650		<0.2	64	10	205	8
!5 T05651		<0.2	92	8	258	7
!5 T05652		<0.2	70	8	210	10

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

DATE PRINTED: 10-MAR-93
PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
GS89-2		4.4	876	245	545	657
Number of Analyses		1	1	1	1	1
Mean Value		4.40	876.0	245.0	545.0	657.0
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600
ANALYTICAL BLANK		<0.2	<1	<2	1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	2	<1
Number of Analyses		3	3	3	3	3
Mean Value		0.10	0.5	1.0	1.2	0.5
Standard Deviation		<0.001	<0.01	<0.01	0.76	<0.01
Accepted Value		0.2	1	2	1	1
GEO TRACE STD1(1989)		32.1	190	15	61	16
Number of Analyses		1	1	1	1	1
Mean Value		32.13	189.7	14.5	61.0	16.5
Standard Deviation		-	-	-	-	-
Accepted Value		34.0	190	15	62	17
TRACE GEOCHEM STD		0.5	282	31	250	4
Number of Analyses		1	1	1	1	1
Mean Value		0.49	282.3	31.5	249.8	3.9
Standard Deviation		-	-	-	-	-
Accepted Value		0.5	290	33	255	4

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10077.0 (COMPLETE)

DATE PRINTED: 10-MAR-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05557		<0.2	56	9	93	9
Duplicate		<0.2	54	7	93	9
T05574		<0.2	114	6	174	10
Duplicate		<0.2	107	6	165	9
T05594		<0.2	54	8	68	10
Duplicate		<0.2	53	7	66	10
T05611		<0.2	68	6	70	18
Duplicate		<0.2	67	5	72	18
T05631		<0.2	128	5	100	34
Duplicate		<0.2	130	8	97	31
T05648		<0.2	74	8	231	8
Duplicate		<0.2	74	7	227	7

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

REFERENCE:

CLIENT: PHELPS DODGE MINING CORPORATION

PROJECT: NONE GIVEN

SUBMITTED BY: K. LOVSTROM

DATE PRINTED: 4-MAY-93

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver	38	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
2	Cu	Copper	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Pb	Lead	38	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Zn	Zinc	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Mo	Molybdenum	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
VEGETATION	38	5 OTHER	38	ASHING	38
				DRY MACERATE BLEND	38

REPORT COPIES TO: MR. RANDY WHITE
MR. KEN A. LOVSTROM
MR. W.H. WILKINSON

INVOICE TO: MR. RANDY WHITE

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

DATE PRINTED: 4-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05655		<0.2	122	6	450	12
!5 T05656		<0.2	62	5	174	5
!5 T05657		<0.2	34	5	273	2
!5 T05658		<0.2	30	5	171	<1
!5 T05659		<0.2	45	4	283	1
!5 T05665		<0.2	42	4	109	4
!5 T05666		<0.2	75	4	162	2
!5 T05667		<0.2	66	3	192	1
!5 T05668		<0.2	42	4	119	<1
!5 T05669		<0.2	55	4	132	1
!5 T05670		<0.2	66	7	157	2
!5 T05676		<0.2	69	4	130	3
!5 T05677		<0.2	54	2	139	2
!5 T05678		<0.2	91	4	149	2
!5 T05679		<0.2	57	4	117	2
!5 T05680		<0.2	49	5	185	2
!5 T05681		<0.2	42	3	182	2
!5 T05682		<0.2	52	3	251	2
!5 T05683		<0.2	46	<2	114	1
!5 T05684		<0.2	60	4	115	1
!5 T05685		<0.2	42	4	125	<1
!5 T05703		<0.2	66	3	142	2
!5 T05704		<0.2	49	4	134	<1
!5 T05705		<0.2	51	3	106	<1
!5 T05706		<0.2	65	4	158	1
!5 T05707		<0.2	39	2	147	2
!5 T05708		<0.2	52	3	166	2
!5 T05709		<0.2	66	2	142	2
!5 T05710		<0.2	62	3	142	2
!5 T05711		<0.2	56	3	136	<1
!5 T05714		<0.2	58	3	96	2
!5 T05715		<0.2	72	3	128	1
!5 T05716		<0.2	56	3	154	1
!5 T05717		<0.2	59	2	137	<1
!5 T05718		<0.2	54	3	131	1
!5 T05719		<0.2	53	4	130	1
!5 T05720		<0.2	65	3	156	1
!5 T05721		<0.2	79	3	242	3

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 4-MAY-93

REPORT: R93-10190.0 (COMPLETE)

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
TRACE GEOCHEM STD		0.5	237	27	231	4
Number of Analyses		1	1	1	1	1
Mean Value		0.46	236.8	27.3	230.6	4.1
Standard Deviation		-	-	-	-	-
Accepted Value		0.5	290	33	255	4
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
Number of Analyses		2	2	2	2	2
Mean Value		0.10	0.5	1.0	0.5	0.5
Standard Deviation		<0.001	<0.01	<0.01	<0.01	<0.01
Accepted Value		0.2	1	2	1	1
GS89-2		4.5	812	212	468	486
Number of Analyses		1	1	1	1	1
Mean Value		4.53	811.8	212.0	468.4	485.6
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10190.0 (COMPLETE)

DATE PRINTED: 4-MAY-93

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05655		<0.2	122	6	450	12
Duplicate		<0.2	133	4	451	12
T05683		<0.2	46	<2	114	1
Duplicate		<0.2	54	2	101	2
T05721		<0.2	79	3	242	3
Duplicate		<0.2	79	3	239	3

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05731		0.2	75	4	269	7
!5 T05732		<0.2	63	3	173	2
!5 T05733		<0.2	76	5	129	5
!5 T05734		<0.2	67	4	126	14
!5 T05735		<0.2	54	3	108	1
!5 T05736		<0.2	33	4	86	1
!5 T05737		<0.2	50	4	336	<1
!5 T05738		<0.2	59	3	108	1
!5 T05739		<0.2	60	4	296	1
!5 T05740		<0.2	67	2	223	1
!5 T05741		<0.2	44	2	144	2
!5 T05742		<0.2	71	3	150	2
!5 T05743		<0.2	39	3	124	1
!5 T05744		<0.2	47	4	140	<1
!5 T05745		<0.2	56	4	153	1
!5 T05746		<0.2	60	4	178	1
!5 T05747		<0.2	78	5	155	6
!5 T05748		<0.2	97	2	150	5
!5 T05749		<0.2	62	3	238	4
!5 T05750		<0.2	75	6	113	2
!5 T05751		<0.2	68	6	149	1
!5 T05752		<0.2	50	3	162	2
!5 T05753		<0.2	81	5	150	2
!5 T05754		<0.2	82	4	130	4
!5 T05755		<0.2	79	5	116	5
!5 T05756		<0.2	64	4	222	2
!5 T05757		<0.2	40	3	81	1
!5 T05758		<0.2	70	4	95	2
!5 T05759		<0.2	76	4	189	5
!5 T05760		<0.2	59	5	166	4
!5 T05761		<0.2	77	6	116	3
!5 T05762		<0.2	81	3	100	13
!5 T05763		<0.2	97	7	188	7
!5 T05764		<0.2	72	3	103	5
!5 T05765		<0.2	96	2	192	5
!5 T05766		<0.2	50	3	93	2
!5 T05767		<0.2	59	4	206	1
!5 T05768		<0.2	70	3	220	6
!5 T05769		<0.2	53	3	262	4
!5 T05770		<0.2	81	3	172	6

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Geochemical Lab Report

Inchcape Testing Services

REPORT: R93-10266.0 (COMPLETE)

DATE PRINTED: 6-MAY-93
PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
!5 T05771		<0.2	63	3	136	2
!5 T05772		<0.2	51	2	111	<1
!5 T05773		<0.2	44	2	81	2
!5 T05774		<0.2	68	3	130	2
!5 T05775		<0.2	66	2	120	<1
!5 T05776		<0.2	78	3	162	6
!5 T05777		<0.2	95	6	158	5
!5 T05778		<0.2	56	4	73	2
!5 T05779		<0.2	66	4	242	4
!5 T05780		<0.2	101	2	234	4
!5 T05781		<0.2	54	4	121	2
!5 T05782		<0.2	74	3	158	5
!5 T05783		<0.2	88	5	162	5
!5 T05784		<0.2	55	5	162	4
!5 T05785		<0.2	87	3	150	8
!5 T05786		<0.2	54	4	124	6
!5 T05787		<0.2	90	5	327	3
!5 T05788		<0.2	61	6	77	5
!5 T05789		<0.2	48	4	100	3
!5 T05790		<0.2	45	4	187	2
!5 T05791		<0.2	49	4	96	2
!5 T05792		<0.2	45	5	67	2
!5 T05793		<0.2	49	2	109	2
!5 T05794		<0.2	42	<2	83	2
!5 T05795		<0.2	56	7	65	7
!5 T05796		<0.2	52	11	79	5
!5 T05797		<0.2	29	6	107	<1
!5 T05798		<0.2	30	3	133	<1
!5 T05799		<0.2	27	3	320	<1
!5 T05800		<0.2	30	4	116	<1
!5 T05801		<0.2	49	8	89	<1
!5 T05802		<0.2	49	<2	107	4

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Geochemical Lab Report

Inchcape Testing Services

DATE PRINTED: 6-MAY-93

REPORT: R93-10266.0 (COMPLETE)

PROJECT: NONE GIVEN

STANDARD NAME	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
TRACE GEOCHEM STD		0.3	272	29	241	4
TRACE GEOCHEM STD		0.3	-	27	213	4
Number of Analyses		2	1	2	2	2
Mean Value		0.29	272.0	27.9	227.1	3.8
Standard Deviation		0.014	-	1.69	19.32	0.10
Accepted Value		0.5	290	33	255	4
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
ANALYTICAL BLANK		<0.2	<1	<2	<1	<1
Number of Analyses		4	4	4	4	4
Mean Value		0.10	0.5	1.0	0.5	0.5
Standard Deviation		<0.001	<0.01	<0.01	<0.01	<0.01
Accepted Value		0.2	1	2	1	1
GS89-2		3.9	788	209	467	483
Number of Analyses		1	1	1	1	1
Mean Value		3.87	788.0	208.7	466.8	482.9
Standard Deviation		-	-	-	-	-
Accepted Value		5.0	820	250	500	600
GEO TRACE STD1(1989)		33.5	192	14	58	19
Number of Analyses		1	1	1	1	1
Mean Value		33.52	192.0	14.3	58.5	19.0
Standard Deviation		-	-	-	-	-
Accepted Value		34.0	190	15	62	17

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM
T05664		<0.2	49	4	120	1
Duplicate		<0.2	48	4	120	1
T05697		<0.2	57	3	133	1
Duplicate		<0.2	59	4	137	2
T05734		<0.2	67	4	126	14
Duplicate		<0.2	65	3	122	13
T05751		<0.2	68	6	149	1
Duplicate		<0.2	68	4	150	1
T05771		<0.2	63	3	136	2
Duplicate		<0.2	58	3	129	2
T05788		<0.2	61	6	77	5
Duplicate		<0.2		4		5

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