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TO: Randy Moore
FROM: Nick Barr
DATE: March 30, 1993
SUBJECT: Quarterly Report - January, February, March, 1993

SUMMARY

317-Suizo: Sampling of five trenches totalling 3000 feet returned 80 feet of .23% copper and 15 feet of .55% copper from granodiorite and 120 feet of .12% from metasediments. An additional 189 grid soils defined a significant new soil anomaly located in the southwest corner of the property.

304-SW Copper: Evaluation of submittals and reconnaissance targets continued in Gila and Pinal counties, Arizona, including areas immediately adjacent to the Suizo project.

Derrio Canyon, Pinal County: Twenty-three widely spaced samples from silicified, sericitized granodiorite returned seven values exceeding 2500 ppm copper, including three feet of 1.7% copper. Local fracture chrysocolla and linear hematite fracture zones occur in a setting similar to Suizo. Further testing will require trenching or shallow drilling.

Coronado Wash, Pinal County: Prospect exposures of sedimentary units within volcanic flow rocks approximately two miles northwest of the Suizo project are marked by strong chrysocolla mineralization. Four samples averaged 2.7% copper. Further investigation is warranted.

304 - SOUTHWEST COPPER

Following completion of trenching at Suizo, reconnaissance efforts and evaluation of submittals commenced in February and continued to focus on copper oxide occurrences in Pinal and Gila counties, Arizona. Following is a summary of reconnaissance activity carried out during February and March.

Derrio Canyon, Pinal County: This area, located approximately eight miles southwest of the Suizo project is held by Glynn Burkhardt. The area of interest is private with federal mineral rights. Mr. Burkhardt reports that previous, widely spaced shallow

airtrack holes intersected copper oxide mineralization scattered over an area roughly 3000 feet square. Mapping and collection of 23 samples covered an area encompassing approximately two sections. Sampling focused on linear zones of elevated fracture hematite and on several prospects exposing fracture chrysocolla and variable amounts of silicification. Peripheral to these copper showings and some one to two miles distant are several reported gold and silver prospects.

Much of the area exposes well-developed planer silicification, chlorite/sericite alteration and mylonitic textures in granodiorite, and strongly suggests a detachment setting.

Sampling yielded seven assays exceeding 2500 ppm Cu with a high of 1.7% over three feet. Additional testing will require trenching or drilling.

Dripping Springs/Alice Mine Area, Pinal & Gila Counties: This area is dominated by extensive exposures of carbonates with lesser diabase and interbedded quartzites. Magnetite and local copper skarn mineralization were evaluated in several areas where andesite porphyry dikes intrude the carbonate sequence. Workings expose mostly discontinuous and poddy replacement-type mineralization. Structurally prepared quartzite and diabase appear to be the most prospective host lithologies for copper oxide mineralization in this area and will be the focus of any further work.

Prospect adjacent to Suizo & Copper Cadillac, Pinal County: Several prospect showings approximately one mile north of Copper Cadillac appear to be discovery posts and do not expose any mineralization.

Of most interest are several prospect showings of matrix chrysocolla in poorly graded, mixed lithology sedimentary units interpreted to be gravels deposited on the paleosurface between Tertiary volcanic flows. Four samples collected to date averaged 2.8% Cu including 20 feet of 2.7% Cu. Mineralization here appears to be exotic. Further work is anticipated in April.

Discussions with William Lacey, Tucson: Attempts to gain information on a reported drill intercept of oxide copper mineralization in the vicinity of Suizo were unsuccessful. However, Mr. Lacey has strongly recommended investigation of the Johnson Camp area along the east flank of the Laramide age Texas Canyon intrusive. Previous drilling efforts are reported to have partially outlined extensive copper mineralization hosted by carbonate and quartzite lithologies. Mr. Lacey will be sending additional data on this area.

Star Route Claims, Gila County: These claims, located approximately .5 miles southwest of the proposed Carlota pit were submitted to Cambior by Richard Amodo. Two to four foot wide quartz veins in Schultz granite host pyrite, chalcopyrite, molybdenite, araninite(?), and local azurite and malachite. Gold

reported widespread, sub-economic primary copper mineralization and some chalcocite. The exploration target proposed by the property owner is a potential chalcocite and oxide copper concentration in the immediately adjacent Pinal Schist. A traverse of the proposed target area failed to locate any intense fracturing or evidence of significant surface oxides. Within the Pinal, high pyrite zones are restricted to several 50 to 200 foot wide breccia zones. No further work is anticipated.

Buckeye Vein System, Globe District, Gila County: Copper oxide mineralization, hosted by quartzite in a high-angle brecciated fault system was traced along strike for approximately 1000 feet. Widths of ore-grade mineralization typically range from 5 to 20 feet. Efforts were directed toward identifying any significant widening of mineralization at the junction of the Buckeye vein with cross structures. One such structural junction with significant widths of mineralization was reported exposed in a quarry, but was not visited due to ongoing quarry activity. Land work will be required prior to further work here.

Derrio Canyon, Pinal County: This area, located approximately eight miles southwest of the Suizo project and reported to host mineralization similar to that at Suizo was brought to Cambior by Glynn Burkhardt. Mr. Burkhardt has previously tested that area with numerous shallow airtrack holes which reportedly showed copper oxide mineralization. Surface exposures marked by elevated fracture hematite and iron oxides are said to mark copper oxide at shallow depth. No assays are available. Rocks exposed over an area roughly two miles square appear to represent a detachment structure with well-developed planer????? silicification and mylonitic textures. Oxide copper showings are widespread and will be investigated in detail next month.

Future Objectives:

- Systematically sample and map Derrio Canyon area.
- Further investigate the Alice Mine area.
- Initiate reconnaissance efforts surrounding the Suizo project.

Nicholas Barr
Geologist

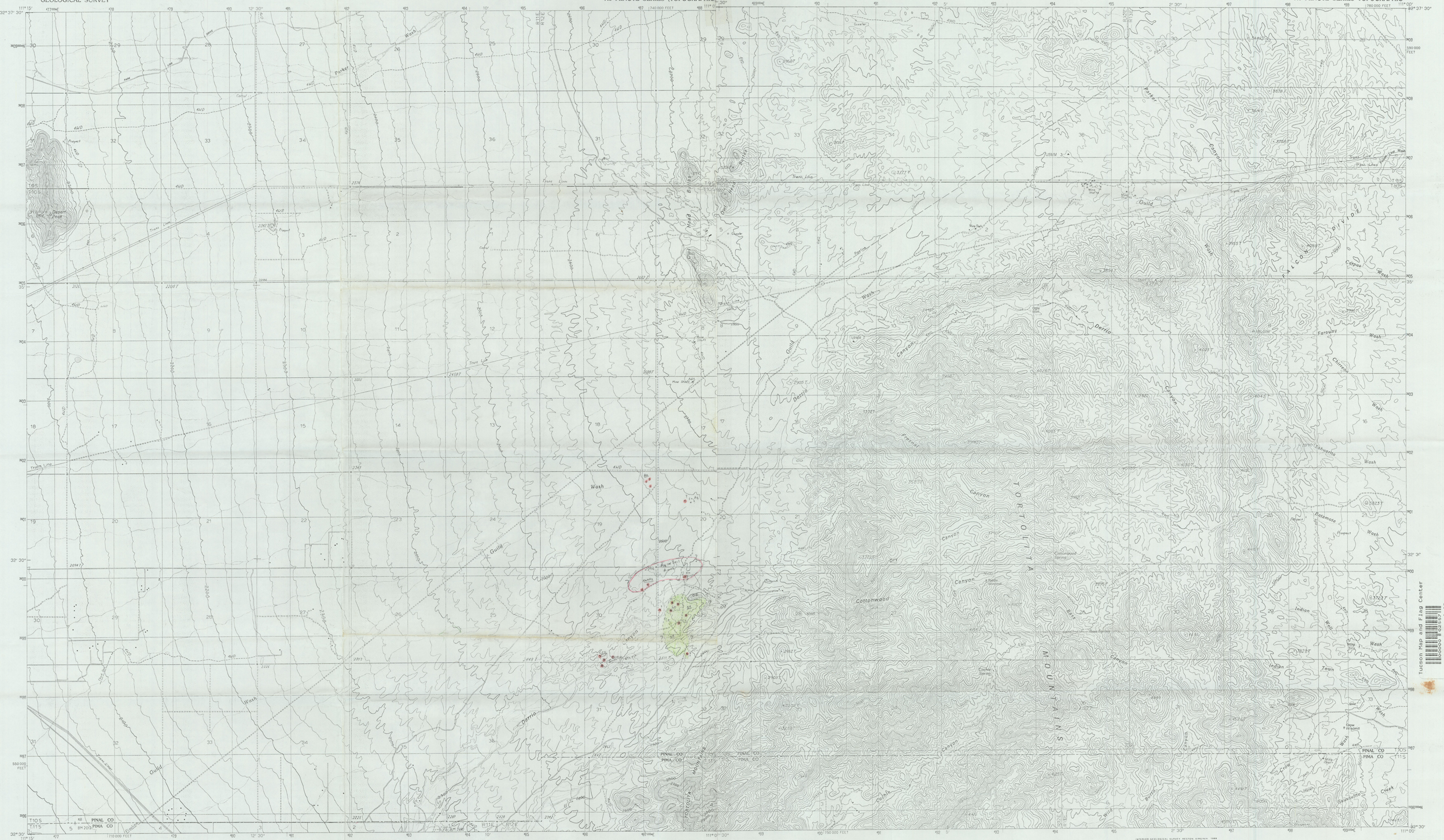
NB:lat

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DESERT PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TORTOLITA MOUNTAINS QUADRANGLE
ARIZONA
7.5 MINUTE SERIES TOPOGRAPHIC



Tucson Map and Flag Center
TORTOLITA MTN 7.5 GS

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985 MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06' WEST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (4 meters south and 62 meters east)
There may be private inholdings within the boundaries of any Federal and State Reservations shown on this map
No distinction made between houses, barns, and other buildings
Public Land Survey System is shown as published in 1959 and verified or complemented in 1985

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

NORTH

SCALE 1:24 000

KILOMETERS 0 1 2
METERS 1000 0 1000 2000
MILES 1 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 20 FEET

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

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

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Picacho Pass
2 Durham Hills
3 Chief Butte
4 Red Rock
5 Sawtooth Mountains
6 Sonit of Marana
7 Marana
8 Rincon Canyon

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

DESERT PEAK, ARIZONA
PROVISIONAL EDITION 1988
32111-E2-TF-024

PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985 MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06' WEST
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Produced from original manuscript drawings. Information shown as of date of field check.

NORTH

SCALE 1:24 000

KILOMETERS 0 1 2
METERS 1000 0 2000
MILES 1 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 40 FEET

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

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OR RESTON, VIRGINIA 22092

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1988

ARIZONA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Durham Hills
2 Chief Butte
3 Fortified Peak
4 Desert Peak
5 Oracle Junction
6 Marana
7 Rincon Canyon
8 Oro Valley

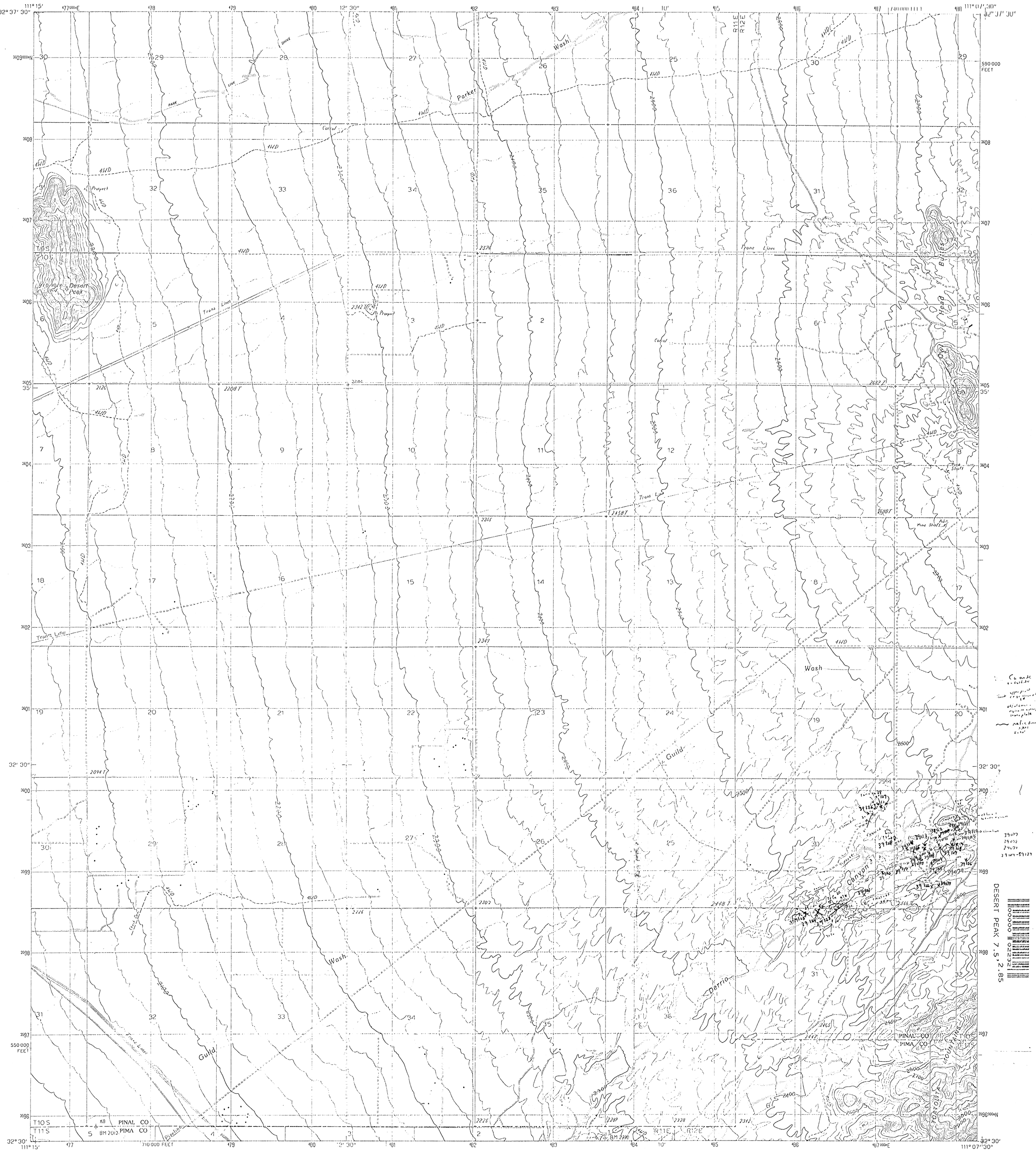
ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route U.S. Route State Route

TORTOLITA MOUNTAINS, ARIZONA
PROVISIONAL EDITION 1988
32111-E1-TF-024

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DESERT PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985. MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06' WEST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

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No distinction made between hoses, barns, and other buildings

Public Land Survey System is shown as published in 1959 and

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

NORTH

SCALE 1:24 000

KILOMETERS 1 .5 0 1 2
METERS 1000 0 1000 2000
MILES 1 .5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 20 FEET

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

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FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225
OR RESTON, VIRGINIA 22092

ARIZONA

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Picacho Pass
2 Durham Hills
3 Chief Butte
4 Red Rock
5 Tortolita Mountains
6 West of Marana
7 Marana
8 Rueles Canyon

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND

Improved Road .....
Unimproved Road .....
Trail .....

Interstate Route U.S. Route State Route

DESERT PEAK, ARIZONA

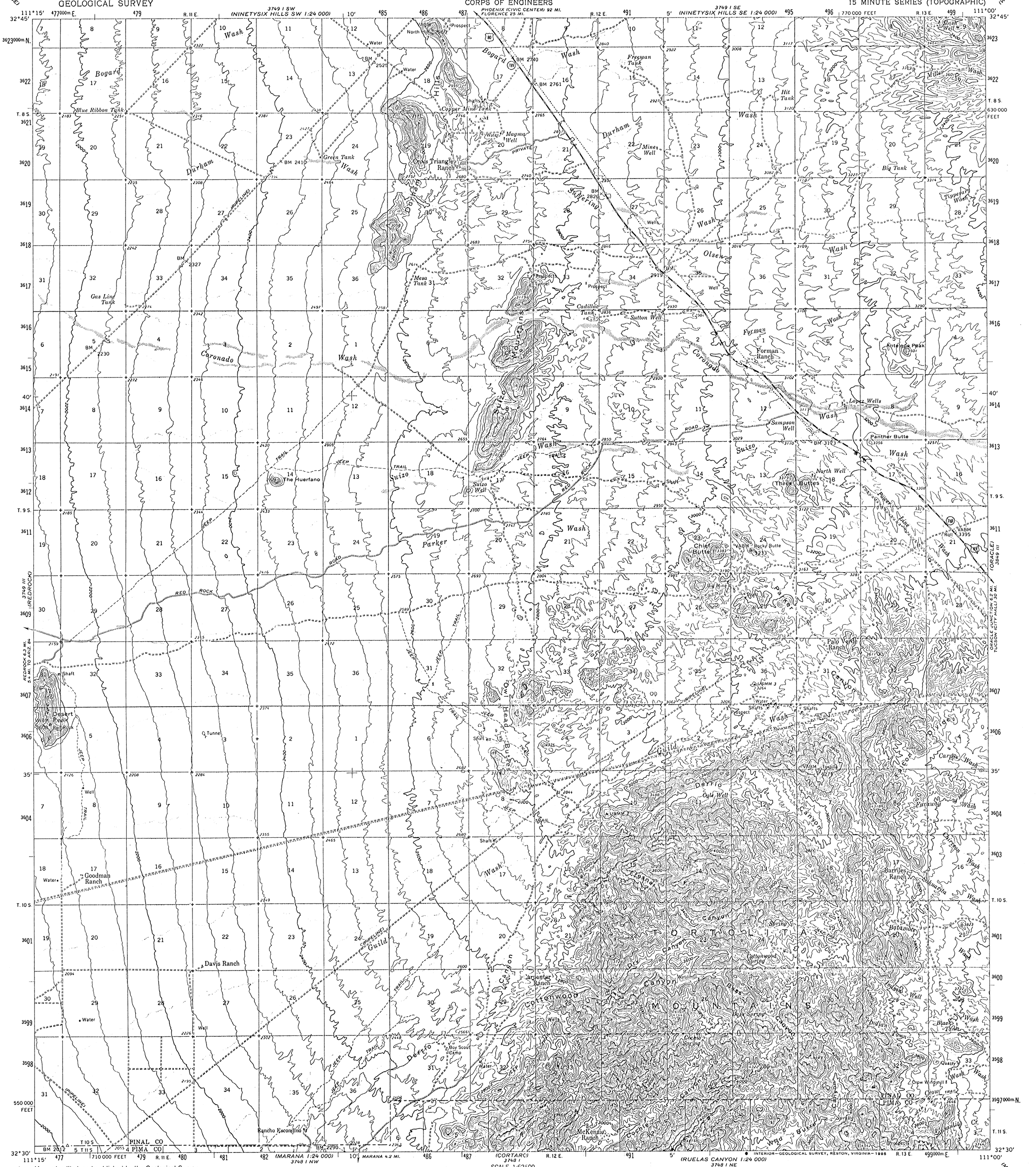
PROVISIONAL EDITION 1988

32111-E2-TF-024

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

TORTOLITA MTS. QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1958. Advance field check 1959

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

To place on the predicted North American Datum 1983 move the projection lines 4 meters north and 62 meters east

UTM GRID AND 1959 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
(GN, MN, 0°04', 1 MIL, 13½°, 240 MILS)

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION (ARIZONA)

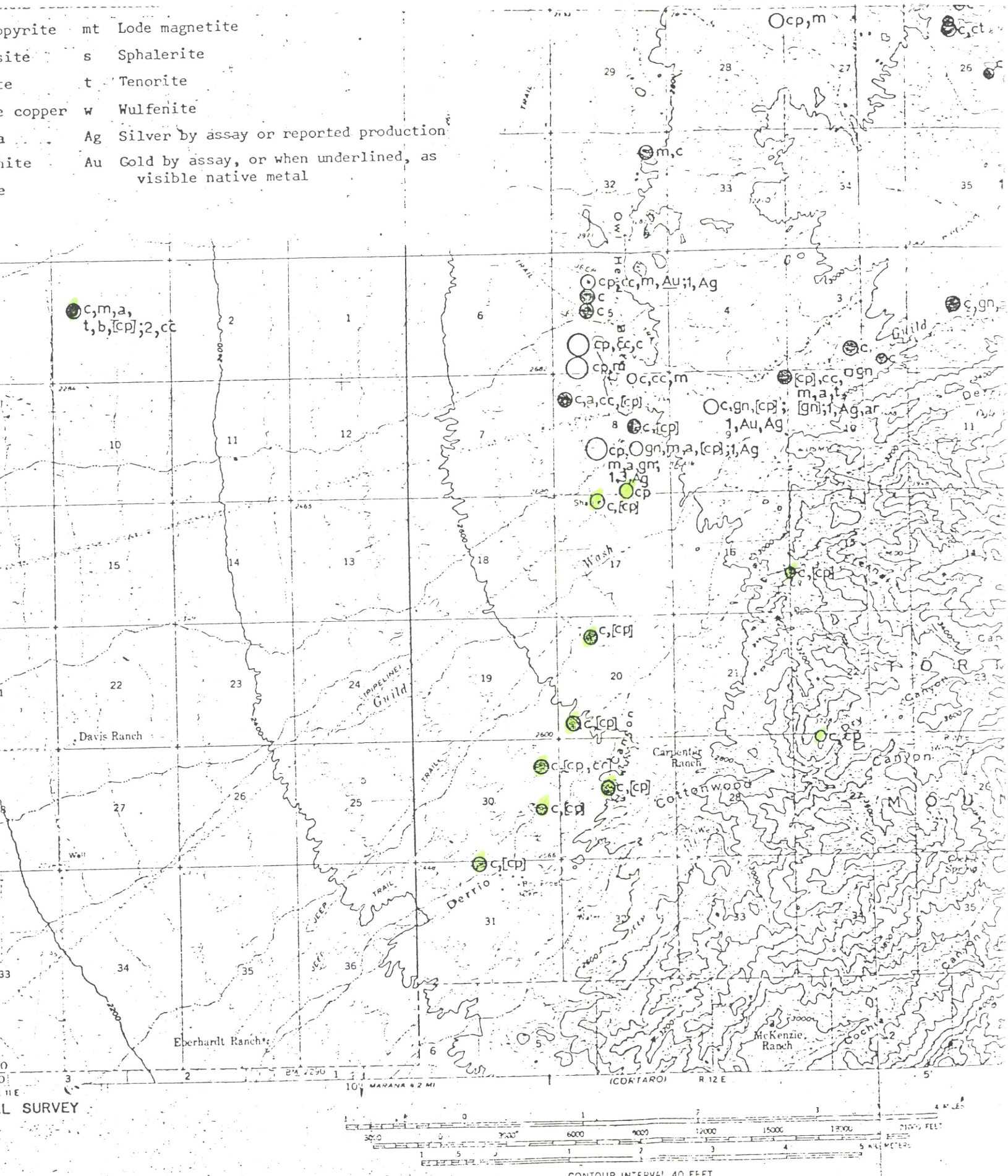
ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt
U. S. Route — State Route

TORTOLITA MTS., ARIZ.
N3230—W11100/15
1959
DMA 3749 II—SERIES V798

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985

USGS OPEN File Map 76-764

opyrite	mt	Lode magnetite
site	s	Sphalerite
te	t	Tenorite
e copper	w	Wulfenite
a	Ag	Silver by assay or reported production
nite	Au	Gold by assay, or when underlined, as visible native metal
e		



L SURVEY

KEY

○	○	◯
trace to light	light to moderate	moderate to heavy

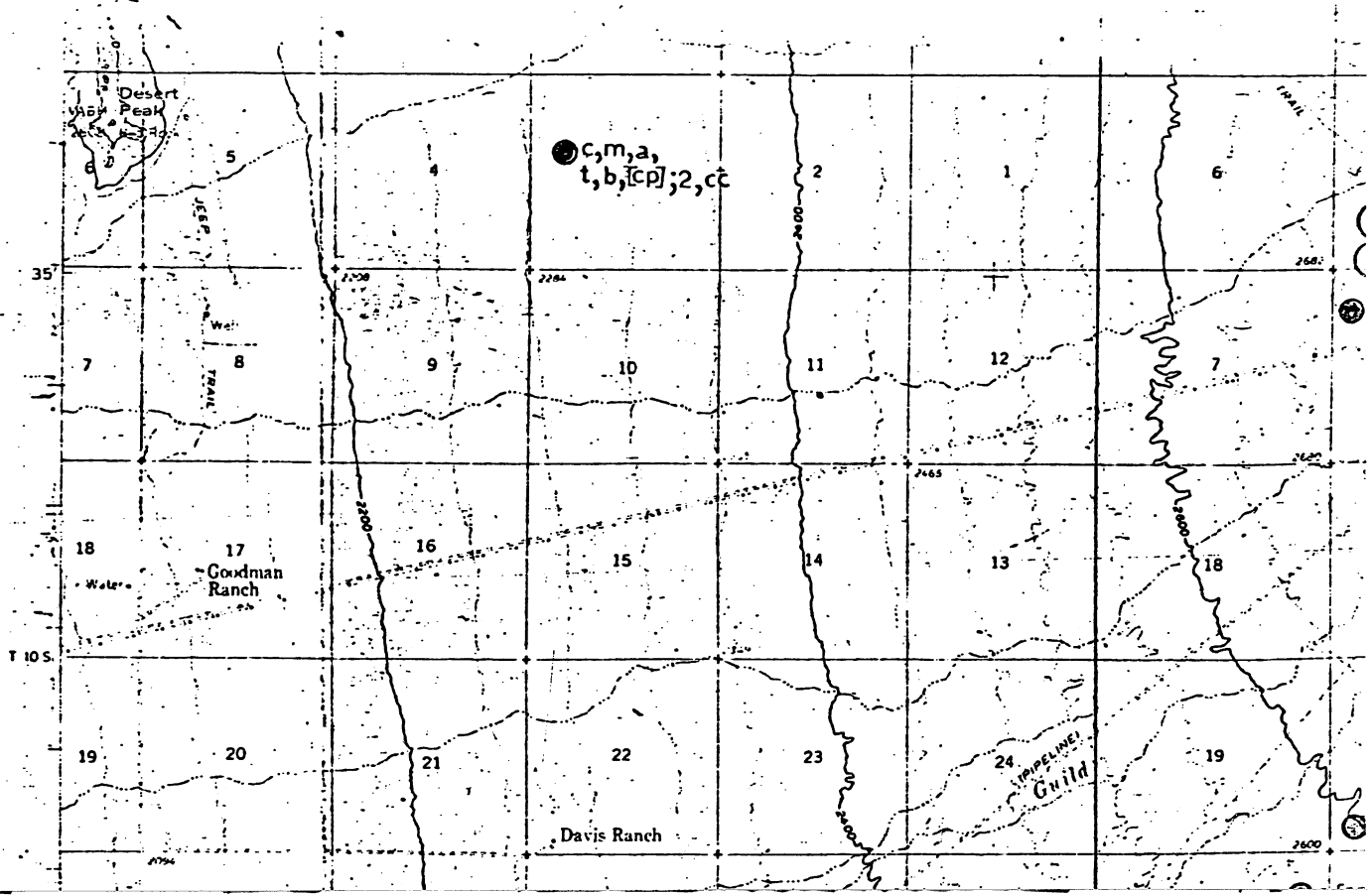
Occurrence of copper mineral(s) with or without other base and precious metal minerals, dot in center of circle (example--⊙) indicates metal(s) other than copper dominates occurrence. Observed minerals are listed to right of occurrence symbol; mineral identification letters defined below. Mineral identification letters enclosed in brackets (example--[cp]) indicates the original sulfide mineral was identified by boxwork or alteration products. Mineral identification letters following number(s) indicates data from the following sources keyed to the number

1. Ewing, W. R., 1976, oral commun. and assay data.
2. Barter, C. F., 1962, Geology of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 73 p.
3. Pickard, B. O., 1912, The Apache mines of the Owl Head district, Arizona: Min. Sci., v. 65, p. 473-475.
4. Applebaum, Stephen, 1975, Geology of the Palo Verde Ranch area, Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 89 p.
5. Iles, C. D., 1966, Mineralization and geology of a portion of the Owl Head mining district, Pinal County, Arizona: Arizona Univ., Tucson, M.S. thesis, 114 p.

▫ Occurrence of metalization with no identified copper minerals

MINERAL IDENTIFICATION

a	Azurite	cp	Chalcopyrite	mt	Lode magnetite
ar	Argentite	cs	Cerrusite	s	Sphalerite
b	Barite	ct	Cuprite	t	Tenorite
bn	Bornite	cu	Native copper	w	Wulfenite
c	Chrysocolla	gn	Galena	Ag	Silver by assay or reported production
cc	Chalcocite	m	Malachite	Au	Gold by assay, or when underlined, as visible native metal
		M	Marble		



CAMBIOR USA, INC. NO. 39104

ROCK: ☒ Date: 3/6/93

SOIL: ☐ State: Az

SED.: ☐ County: Pinal

Project: 304 Derrio Wash Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N; R 12 E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: over 3' | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Intrusive (gd comp), pale green, above shattered qtz - mod silicif, pale epidote, minor chlorite, local hairline frac $Fe^{0}x$ - hem as thin oxide film, some vg fn dissem spec hem ??

pervasive chaotic fracturing, weak linear trend of frac oxide ≈ N40E

No visable Cu oxide

CAMBIOR USA, INC. NO. 39105

ROCK: ☑ Date: 3/6

SOIL: ☐ State: Az

SED.: ☐ County:

Project: 304 Derrie Wash Area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N; R _____ E; SW ¼; S 29

Quad: Dosort Peak Scale _____

RX: 3' | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: in wash

_____ NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

QTz monz; pale epidote green, mod silicif,
local micro Rx text w/ abund matrix epidote
irrg thin frac film FeOx-hem
qtz rich
No vis Cu oxide

CAMBIOR USA, INC. NO. 39106

ROCK: [X] Date: 3/6

SOIL: [ ] State:

SED.: [ ] County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

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

over 30' area

Outcrop Location: near upper edge of outcrop zone

adj to resist Knob NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Intrusive, well fractured / mylonitic

very similar to 104 & 105

Trace fn dissem sulfide, orange oxidation halo

CAMBIOR USA, INC. NO. 39107

ROCK: [X] Date: 3/6

SOIL: [ ] State:

SED.: [ ] County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale _____

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

5'

Outcrop Location:

IN wash near 106 NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Similar, slightly more frac slip hem as thin frac stain, mild Mn ox as frac & dissem specks

rock shows typical pale green, pervasively shattered mylonitic text

CAMBIOR USA, INC. NO. 39108

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: local elev hem frac 12' | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: in draw

NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Similar, mildly elev thin frac film of FeOx-hem

CAMBIOR USA, INC. NO. 39109

ROCK: [X] Date: 3/6

SOIL: [ ] State:

SED.: [ ] County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale _____

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

6' dike expos

Outcrop Location:

in same wash down from #108 NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

mafic diorite dike?; dk green - mafic/chlor. ric

rich, local thin frac film hem

as xenolith inclusions in qtz monz?

abund fr feat matrix epidote

CAMBIOR USA, INC. NO. 39110

ROCK: ☒ Date: 3/6

SOIL: ☐ State: Az

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 29

Quad: Desert Peak Scale 7.5

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

Outcrop Location:

edge of wash immed N of unmarked claim post NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Similar Ote mouz mylonite intrusions

pale green thin frac hem film

CAMBIOR USA, INC. NO. 39111

ROCK: [X] Date: 3/6

SOIL: [ ] State:

SED.: [ ] County:

Project:

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 29

Quad: Desert Peak Scale 7.5

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

Outcrop Location:

Several 100' N of ℄ 110 NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

offwhite silicif perv frac intrus

intermixed mixed with mafic dion

pale intrus shows mod thin frac film +

matrix hem

local very well developed Bx

CAMBIOR USA, INC. NO. 39112

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: over 40' | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location:

_____ NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

QTz Monz, mylonitic, mod frac/matrix thin film hem

CAMBIOR USA, INC. NO. 39113

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

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

2' rib

Outcrop Location:

adj to small prospect NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

well fractured silicified rib in QTz monz

thin film crysocolla on frac & in Bx

matrix, local sparse Neodacite, local

brown orange oxide blebs rimmed by

crysocolla (after chalcopyrite?)

CAMBIOR USA, INC. NO. 39114

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: 6" Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location:

NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

6" qtz-aplite tent dike in cr gr

chlor alt gd., mod frac crysocolla &

org-brown oxide blebs after sulfides

Tr tennorite?

CAMBIOR USA, INC. NO. 39115

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project:

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N; R _____ E; SW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: size of zone ?? limited outcrop Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: several pits/cat cuts in low area 200' NE of cabin foundation NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Grab of well fractured - qtz rich zones in crgr chlor alt & hosting frac/bleb crysocolla, local neodocite ?? or Mnox, also lim. blebs assoc with Cu oxides surrounding outcrop shows frac hem

* mostly select of better grade material

CAMBIOR USA, INC. NO. 39116

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project:

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

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

12'

Outcrop Location: base of small hill in wash

immed w of road NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Mylonitic intrusive, chlorite green, mod silicif,

mod frac hem & some lim stain

typical of lower plate oxid frac RX

CAMBIOR USA, INC. NO. 39117

ROCK: [X] Date: 3/1

SOIL: [ ] State:

SED.: [ ] County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: Dump/ Tailings | Outcrop/ Float | Fresh/ Weathered

Outcrop Location: 15' 1mi E. of Rd

_____ NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Similar to 39116, stronger frac oxide

no vis Cu

CAMBIOR USA, INC. NO. 39118

ROCK: ☒ Date: 2/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Desert Peak Scale 2.5

RX: Grab | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: prospect @ edge of Rd

_____ NO. _____

Sample Description: _____ Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

QTz monz mylonite, mod silicif, chlor rich

mild-mod thin film frac hem, yellow lim oxide alter

rare fresh chalcopyrite, minor frac

crysocolla

CAMBIOR USA, INC. NO. 39119

ROCK: ☑ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SW ¼; S 29

Quad: Dessert Peak Scale 25

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

over 30'

Outcrop Location: immed E of Rd

_____ NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Typical mylonite, locally as micro Qz

offwhite SiO_2 rich with inmes lim blebs.

mod fracture no vis Cu

CAMBIOR USA, INC. NO. 39120

ROCK: ☒ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SE ¼; S 30

Quad: Desert Peak Scale 2.5

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

over 25'

Outcrop Location:

draw E of Ra NO.

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

hem frac mylonite (lower plate)

CAMBIOR USA, INC. NO. 39121

ROCK: ☑ Date: 3/6

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; SE ¼; S 30

Quad: Desert Peak Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

5'

Outcrop Location: _____

_____ NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Mylonite, mod-strong frac filn

FeOx/hem

CAMBIOR USA, INC. NO. 39122

ROCK: [X] Date: 3/7

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: 304 - Dorrie Canyon area

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T 10 N (S); R 12 E (W); SW ¼; S 29

Quad: Desert Peak Scale 7.5

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

15'

Outcrop Location: in road

_____ NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Qtz mon mylonite; Select of elevation

thin frac film Fe ox

CAMBIOR USA, INC. NO. 39123

ROCK: ☒ Date: 3/7

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; _____ ¼; S _____

Quad: Desert Peak Scale 7.5

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: 15' edge of Derro Wash

@ base of qtz ledge NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

gd mylonite; strong chlorite, mostly well developed

fract film hem / FeOx

(dom fault slip S 55W 71W)

CAMBIOR USA, INC. NO. 39124

ROCK: [X] Date: 3/7

SOIL: [ ] State: Az

SED.: [ ] County: Pinal

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 31

Quad: Desert Peak Scale 7.5

RX: 2' vein zone | Dump/Tailings | Outcrop/Float | Fresh/Weathered

Outcrop Location: small prospect cut lower slope near main drow NO. _____

Sample Description: _____ Rock Type: _____

Rock Mod: _____ Mineral: _____

Oxides: _____ Alteration: _____

Structure: _____ Spl. Width: _____

Qtz vein in cr gr, chlor alt gd, patchy strong crysocolla as matrix filling & vnlts, minor malachite, mostly strong frac hem

CAMBIOR USA, INC. NO. 39125

ROCK: ☒ Date: 3/7

SOIL: ☐ State:

SED.: ☐ County:

Project:

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 31

Quad: Desert Peak Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

4'

Outcrop Location: Prospect trench

NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Very similar to # 39124

VN along vertical contact of ergr chlor alt gd & 2' pegmatite / aplite dike

CAMBIOR USA, INC. NO. 39126

ROCK: ☒ Date: 3/7

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NE ¼; S 30

Quad: Desert Peak Scale 25

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

4'

Outcrop Location: small prospect w of R1

_____ NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

4' shattered gtz vein structure in

crgr chlor alt gd, frac crysocolla &

local sericite, envelaping gd stows well developed

frac Fe ox/hem

CAMBIOR USA, INC. NO. 39127

ROCK: [X] Date: 3/7

SOIL: [ ] State:

SED.: [ ] County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NE ¼; S 36

Quad: Desert Peak Scale 7.5

RX: 3' Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: prospect immed w. of Rd

_____ NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

(very similar to 39126)

well devel crysocolla in shattered qtz

* local apple green silver salt free film (silver chloride??)

CAMBIOR USA, INC. NO. 39128

ROCK: ☒ Date: 3/7

SOIL: ☐ State:

SED.: ☐ County:

Project: 304

DRILL HOLE NO. _____ FROM _____ TO _____

Loc.: T _____ N/S; R _____ E/W; NW ¼; S 29

Quad: Desert Peak Scale 7.5

RX: 8' Dump/Tailings (Outcrop/Float) Fresh/Weathered

Outcrop Location: power pole rd

local Adcut NO. _____

Sample Description: Rock Type:

Rock Mod: Mineral:

Oxides: Alteration:

Structure: Spl. Width:

Mdgr chlor alt sd with mild

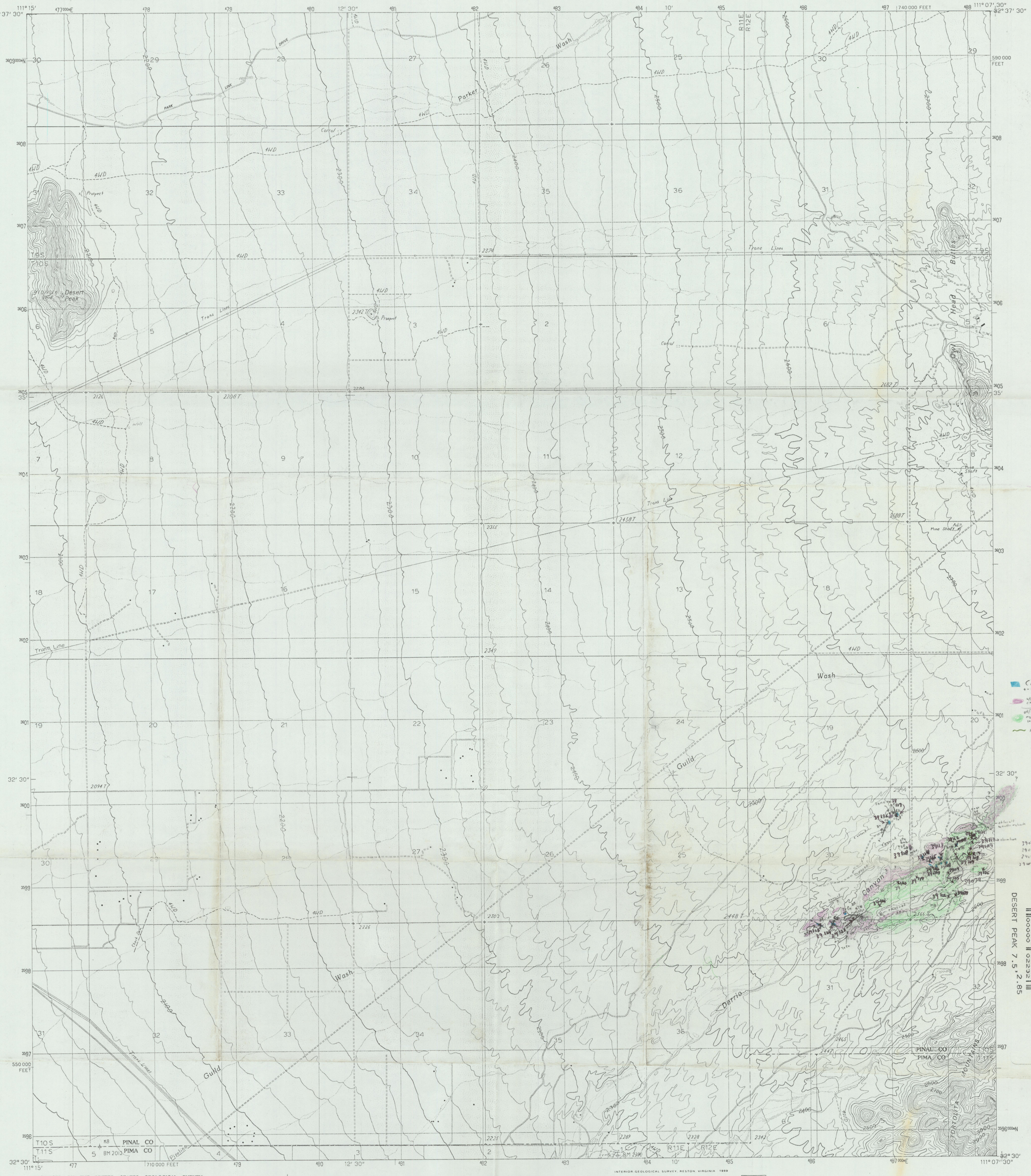
fracture hem

weak-mod chlor alt of biotite

epidote common

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DESERT PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY ..... USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1958
FIELD CHECKED 1959
LIMITED REVISION FROM AERIAL PHOTOGRAPHS TAKEN 1982
FIELD CHECKED ..... 1985. MAP EDITED 1988
PROJECTION ..... TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 12
10,000-FOOT STATE GRID TICKS ..... ARIZONA, CENTRAL ZONE
UTM GRID DECLINATION ..... 0°06' WEST
1988 MAGNETIC NORTH DECLINATION ..... 12° EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (4 meters south and 62 meters east)

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

No distinction made between hoses, barns, and othjer buildings Public Land Survey System is shown as published in 1959 and revised as required in 1985

NORTH

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

SCALE 1:24 000

KILOMETERS 1 .5 0 1 2
METERS 1000 0 1000 2000
MILES 1 .5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000

CONTOUR INTERVAL 20 FEET

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

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

ARIZONA

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Picacho Pass
2 Durham Hills
3 Chief Butte
4 Red Rock
5 Tortolita Mountains
6 West of Marana
7 Marana
8 Ruelas Canyon

ADJOINING 7.5' QUADRANGLE NAMES

ROAD LEGEND

Improved Road .....
Unimproved Road .....
Trail .....

Interstate Route U.S. Route State Route

INTERIOR-GEOLOGICAL SURVEY, RESTON, VIRGINIA 1989

DESERT PEAK, ARIZONA

PROVISIONAL EDITION 1988

32111-E2-TF-024

Tucson Map and Flag Center
DESERT PEAK 7.5',2.85
1000000 022232

file

304 Derrio Canyon

Glynn Burkhardt Subarthal

Pinal co Az

Dennis Canyon Area Pinal Co. Az 304
Glynn Burkhardt

CERTIFICATE OF ANALYSIS
iPL 93C2201

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Cambior Exploration USA, Inc.
Out: Mar 23, 1993 Project: 304
In : Mar 22, 1993 Shipper: Nick Barr
PO#: None Given Shipment: -- ID=C013500
Msg: ICP(AqR)30
Msg:

35 Samples

	35= Rock	0= Soil	0= Core	0=RC Ct	0= Pulp	0=Other
Raw Storage:	03Mon/Dis	--	--	--	--	--
Pulp Storage:	12Mon/Dis	--	--	--	--	--

[iPL=39:0323:15:21:581]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

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NV 89502-2345					
USA					
ATT: Nick Barr	Ph:702/856-5189				
	Fx:702/856-4549				

Analytical Summary

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

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Approved

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 93C2201

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Report: 93C2201 R Cambior Exploration USA, Inc. Project: 304

Sample Name	Type	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm
39077	Rock	<0.1	21	15	14	5	<5	<3	1	<10	<2	<0.1	2	4	188	<5	123
39078	Rock	5.0	7555	17	15	<5	<5	<3	1	<10	41	<0.1	1	4	22	<5	221
39079	Rock	0.1	79	50	77	6	5	<3	2	<10	<2	<0.1	1	6	19	<5	237
39080	Rock	0.2	50	544	62	12	31	<3	12	<10	<2	<0.1	2	6	27	<5	239
39104	Rock	<0.1	4	3	2	<5	<5	<3	1	<10	<2	<0.1	1	3	85	<5	136
39105	Rock	0.1	6	<2	6	<5	<5	<3	1	<10	<2	<0.1	2	3	70	<5	121
39106	Rock	<0.1	2	<2	3	<5	<5	<3	<1	<10	<2	<0.1	2	2	109	<5	116
39107	Rock	<0.1	3	<2	5	<5	<5	<3	1	<10	<2	<0.1	2	2	257	<5	100
39108	Rock	<0.1	3	<2	11	<5	<5	<3	1	<10	<2	<0.1	2	4	94	<5	122
39109	Rock	0.1	1	<2	173	<5	<5	5	2	<10	<2	0.5	32	54	23	<5	105
39110	Rock	<0.1	2	2	4	<5	<5	<3	1	<10	<2	<0.1	2	3	296	<5	115
39111	Rock	0.1	2	7	3	<5	<5	<3	1	<10	<2	0.3	2	3	811	<5	91
39112	Rock	0.1	3	<2	8	<5	<5	<3	1	<10	<2	<0.1	2	3	59	<5	112
39113	Rock	1.0	3543	24	20	<5	<5	<3	1	<10	91	<0.1	2	5	15	<5	227
39114	Rock	2.5	2876	3	67	<5	<5	<3	1	<10	5	<0.1	7	7	24	<5	98
39115	Rock	2.4	5157	13	50	<5	<5	<3	2	<10	236	0.4	7	8	16	9	182
39116	Rock	<0.1	110	2	10	<5	<5	<3	1	<10	<2	<0.1	3	3	117	<5	108
39117	Rock	<0.1	26	3	2	<5	<5	<3	1	<10	<2	<0.1	1	3	95	<5	146
39118	Rock	0.2	284	<2	11	<5	<5	<3	1	<10	<2	<0.1	5	3	178	<5	86
39119	Rock	0.1	18	16	19	<5	<5	<3	2	<10	<2	0.2	3	4	934	<5	147
39120	Rock	0.1	6	3	9	<5	<5	<3	1	<10	<2	<0.1	3	2	60	<5	98
39121	Rock	<0.1	8	6	<1	<5	<5	<3	1	<10	<2	<0.1	1	3	124	<5	106
39122	Rock	<0.1	3	<2	2	<5	<5	<3	1	<10	<2	<0.1	1	2	56	<5	99
39123	Rock	<0.1	4	<2	28	<5	<5	<3	1	<10	<2	<0.1	2	2	49	<5	111
39124	Rock	2.9	16947	<2	96	<5	<5	<3	11	<10	<2	0.3	11	86	118	11	175
39125	Rock	2.2	9489	84	152	<5	<5	<3	7	<10	<2	0.3	14	63	33	5	211
39126	Rock	35.5	5239	67	15	<5	<5	<3	1	<10	131	0.3	1	4	21	<5	181
39127	Rock	31.0	11560	266	52	<5	<5	<3	1	<10	337	0.1	1	5	41	6	235
39128	Rock	0.2	64	<2	55	<5	<5	<3	1	<10	<2	<0.1	8	9	19	<5	120
39129	Rock	0.2	47	<2	49	<5	<5	<3	3	<10	<2	0.4	27	170	90	<5	119
39130	Rock	0.1	22	<2	57	<5	<5	<3	1	<10	<2	0.4	11	19	162	<5	124
39131	Rock	0.7	2.8%	<2	47	23	<5	<3	1	<10	<2	1.0	5	12	60	9	116
39132	Rock	1.3	3.2%	3	65	8	<5	<3	2	<10	<2	1.2	11	28	56	9	133
39133	Rock	1.5	2.7%	<2	41	8	<5	<3	2	<10	<2	6.7	4	14	58	9	134
39134	Rock	1.5	2.5%	3	69	10	<5	<3	2	<10	<2	9.0	10	25	66	7	144
Minimum Detection		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1
Maximum Detection		100.0	20000	20000	20000	10000	1000	10000	1000	1000	10000	10000.0	10000	10000	10000	1000	10000
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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

INTERNATIONAL PLASMA LABORATORY LTD.

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CERTIFICATE OF ANALYSIS
iPL 93C2201

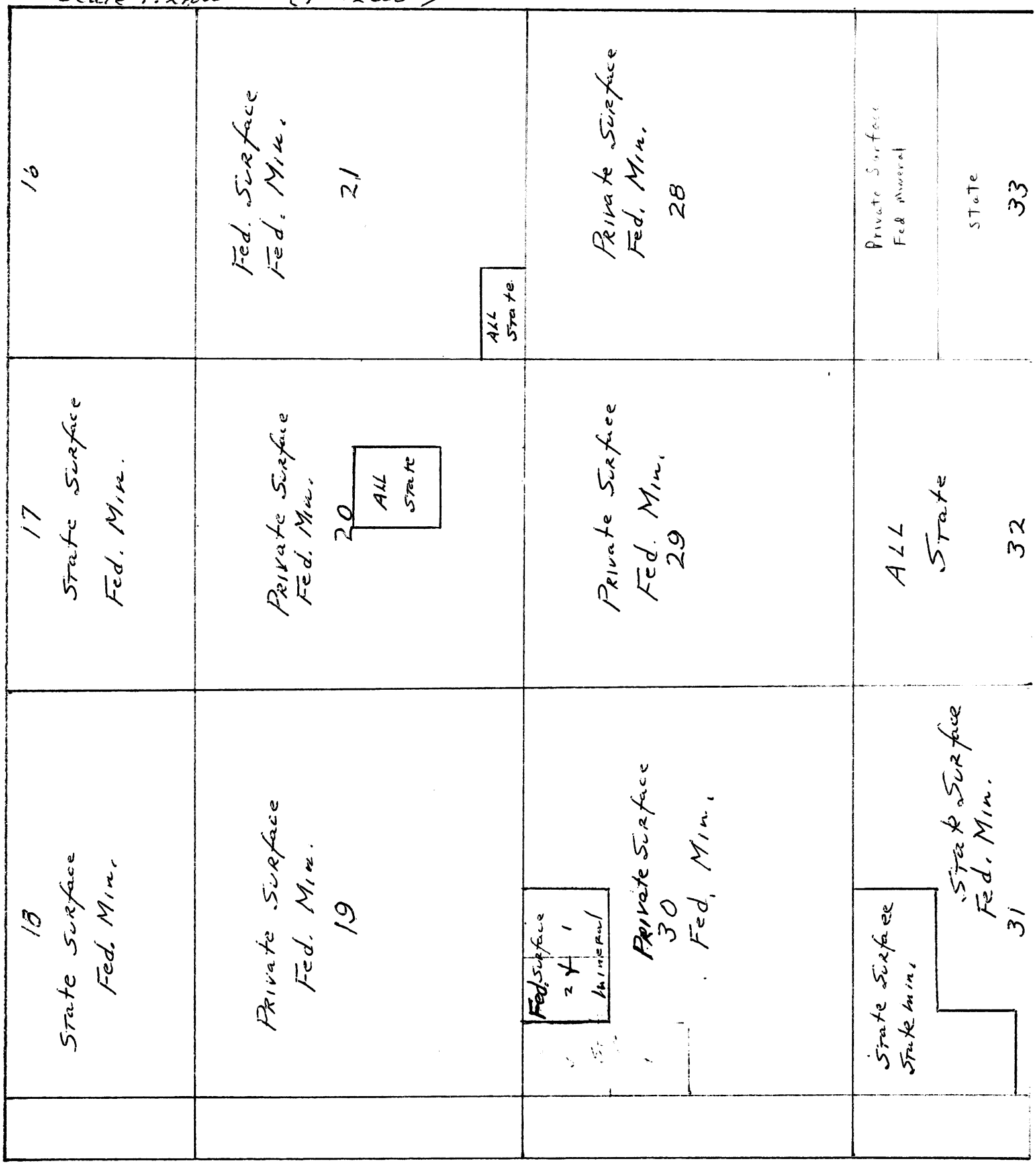
Report: 93C2201 R Cambior Exploration USA, Inc. Project: 304

Sample Name	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
39077	3	109	5	83	1	1	0.02	0.49	0.42	0.38	0.02	0.13	0.05	0.02
39078	24	59	<2	7	<1	<1	<0.01	0.15	0.40	0.52	0.05	0.05	0.03	0.08
39079	8	47	7	31	3	<1	<0.01	0.13	0.49	0.86	0.10	0.04	0.01	0.02
39080	14	43	5	93	3	<1	<0.01	0.09	0.07	1.51	0.01	0.03	0.01	0.03
39104	3	60	3	59	1	<1	0.01	0.37	0.27	0.35	0.02	0.12	0.07	0.02
39105	5	84	6	57	1	1	0.03	0.45	0.36	0.44	0.07	0.13	0.07	0.02
39106	3	75	6	55	1	1	0.03	0.50	0.33	0.48	0.04	0.20	0.05	0.01
39107	5	71	14	27	<1	1	0.04	0.41	0.22	0.65	0.09	0.14	0.07	0.01
39108	7	117	3	30	<1	1	0.04	0.40	0.47	0.74	0.11	0.16	0.08	0.01
39109	58	1187	5	180	4	3	0.23	3.33	1.36	4.77	2.81	0.03	0.03	0.06
39110	5	154	4	64	1	1	0.05	0.57	1.10	0.56	0.06	0.25	0.06	0.02
39111	5	708	10	154	<1	<1	0.03	0.32	6.50	0.38	0.07	0.07	0.07	0.01
39112	6	201	12	62	1	1	0.06	0.53	1.02	0.60	0.10	0.14	0.07	0.02
39113	11	88	<2	13	1	<1	<0.01	0.20	1.46	0.51	0.07	0.09	0.03	0.01
39114	30	607	3	14	1	1	0.06	0.72	0.53	1.65	0.49	0.17	0.07	0.06
39115	41	378	7	16	1	1	0.09	0.73	0.65	1.47	0.53	0.10	0.06	0.05
39116	6	148	8	111	1	1	0.05	0.72	0.71	0.84	0.11	0.23	0.05	0.02
39117	4	102	6	111	1	1	0.02	0.57	0.51	0.49	0.02	0.19	0.03	0.01
39118	7	126	7	58	1	1	0.06	0.73	0.41	1.14	0.15	0.30	0.05	0.03
39119	8	327	11	70	1	1	0.04	0.43	1.03	0.79	0.08	0.15	0.07	0.02
39120	7	152	10	111	1	1	0.08	0.73	0.85	0.80	0.12	0.14	0.06	0.02
39121	4	60	2	32	<1	<1	0.01	0.33	0.15	0.30	0.02	0.19	0.07	0.01
39122	4	65	4	81	1	1	0.04	0.45	0.37	0.41	0.03	0.11	0.06	0.01
39123	6	156	11	35	1	1	0.03	0.50	0.52	0.73	0.15	0.16	0.07	0.02
39124	27	454	5	18	<1	1	0.01	0.69	0.20	3.73	0.43	0.10	0.02	0.05
39125	45	748	6	9	<1	1	0.01	1.01	0.15	3.09	0.86	0.08	0.03	0.06
39126	14	43	<2	18	<1	<1	<0.01	0.14	1.70	0.47	0.06	0.05	0.02	0.02
39127	44	39	<2	10	<1	<1	<0.01	0.05	0.08	0.64	0.01	0.02	0.01	0.02
39128	37	378	7	16	1	2	0.11	0.85	0.40	1.69	0.63	0.12	0.06	0.05
39129	125	514	26	101	4	8	0.13	2.56	1.58	3.41	4.05	0.07	0.38	0.21
39130	32	1317	13	31	1	3	0.01	1.07	2.51	2.23	0.81	0.15	0.04	0.03
39131	68	157	21	48	4	5	0.04	0.76	0.35	2.42	0.42	0.16	0.05	0.10
39132	110	178	18	47	7	5	0.04	1.01	0.37	2.33	0.76	0.17	0.06	0.13
39133	85	98	21	32	5	4	0.02	0.85	0.32	2.18	0.17	0.19	0.04	0.15
39134	131	246	23	25	6	5	0.04	1.07	0.32	2.51	0.59	0.22	0.05	0.13
Minimum Detection	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Maximum Detection	10000	10000	10000	10000	10000	10000	1.00	5.00	10.00	5.00	10.00	10.00	5.00	5.00
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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

Derrio Canyon / Owl Head Mining District / Pinal Co. / Az.

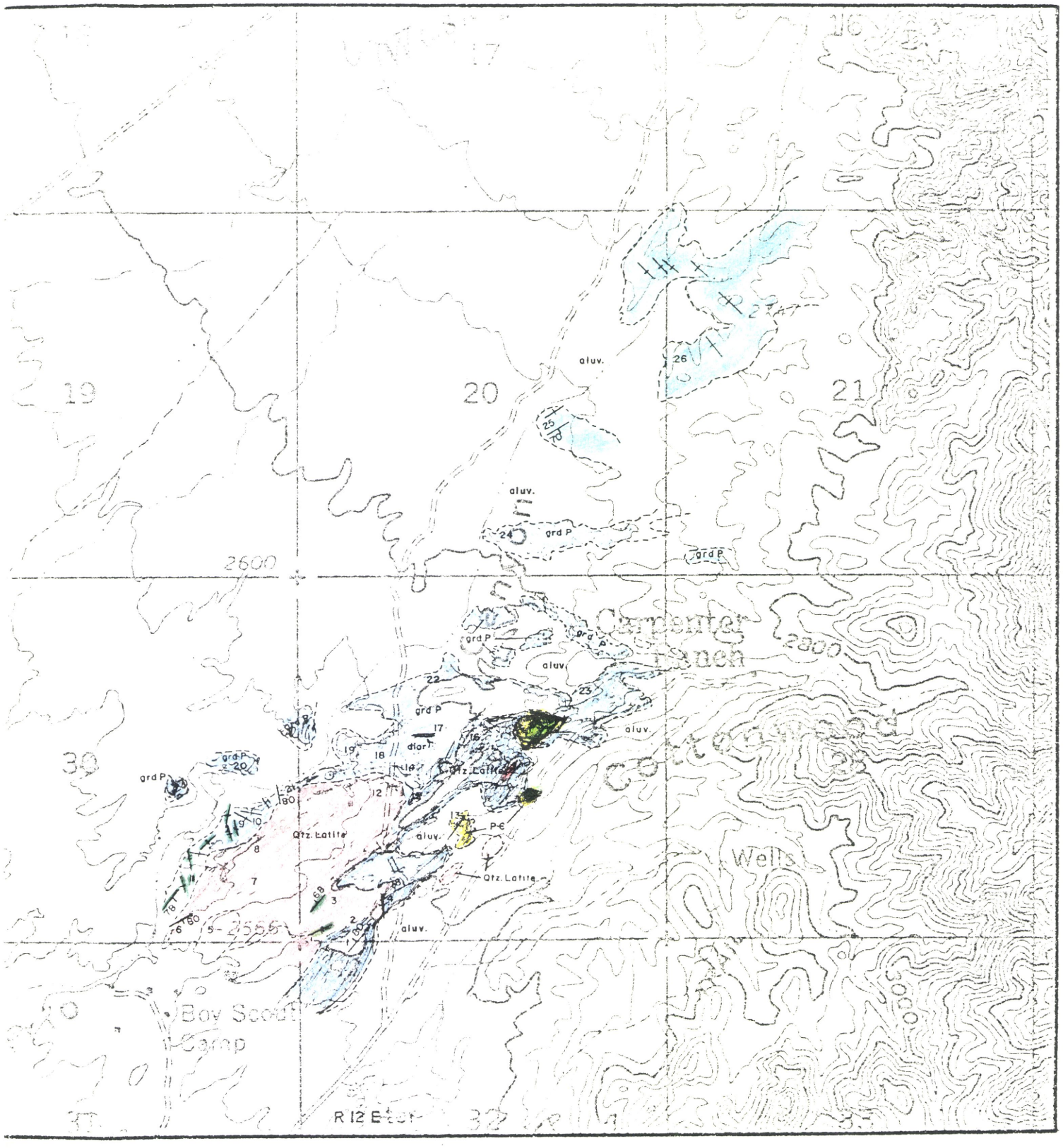
Scale 1.24000 (1" = 2000')



Info from Glynn Burkhardt

R12E, T10S, Pinal Co., Az.

G&SRBM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Boy Scout
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Qtz. Latite
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R 12 E

3441 East Milber

Phone 889-5787

Knobs

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY Continental Oil Company Tucson

DATE October 3, 1975

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PER CENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON	
32621 2	Trace	0.12						
32622 3	Trace	0.11						
32623 4	Trace	0.05						
32624 5	.001	0.14						
32625 6	.001	0.16						
32626 7	.002	0.01						
32627 8	.001	0.16						
32628 9	Trace	0.11						
32629 10	.001	0.05						
32630 11	.001	0.09						
32631 12	Trace	0.13						
32632 13	Trace	0.16						
32633 14	.001	0.10						
32634 15	Trace	0.05						
32635 16	.002	0.09						
32636 17	.001	0.06						
32637 18	Trace	0.08						
32638 19	.002	0.24						
32639 20	.001	0.08						
32640 21	.003	0.11						
32641 22	Trace	0.08						
32642 23	.001	0.18						
32643 24	.002	0.27						
32644 25	.003	0.18						

REGISTERED ASSAYER 7352 PETER S. ELORES 10/3/75 Pete Signed Arizona U. S. A.

Invoice # 13011

CHARGES $ 102.00

3441 East Milber

Phone 889-5787

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY Continental Oil Company

DATE October 2, 1975

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PER CENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON	
32621			.009			.0005		
32622			.006			.0001		
32623			.006			Trace		
32624			.007			.0001		
32625			.006			.0004		
32626			.007			Trace		
32627			.006			.0005		
32628			.062			.0001		
32629			.071			.0002		
32630			.008			Trace		
32631			.007			Trace		
32632			.006			.0002		
32633			.011			.0010		
32634			.007			.0014		
32635			.009			.0034		
32636			.008			.0032		
32637			.013			.0002		
32638			.010			.0001		
32639			.068			.0001		
32640			.062			Trace		
32641			.008			.0006		
32642			.007			Trace		
32643			.009			.0005		
32644			.005			.0003		

REGISTERED ASSAYER
CERTIFICATE NO. 1002
PETE S. FLORES
Date Signed 10/2/75
Arizona U. S. A.

Invoice # 13009

CHARGES $ 144.00

ASSAYER · CHEMIST