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CAMBIOR USA, INC. NO. 51300

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

SS

Bedded

Blocky Bleached w/ FeOx on fracs

No LeOx noted.

CAMBIOR USA, INC. NO. 51299

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Skip about 10' due to cover.

Shale unit.

highly fractured

thin bedded silty

minor ca ox

CAMBIOR USA, INC. NO. 51298

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Massive SS. Top of large Cut

Jointed

Beds near flat lying

CAMBIOR USA, INC. NO. 51297

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: Dripping Springs

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

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

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Massive Hematite w/ coox.

Specular Hematite.

Fragment 1"x1"x1"

CAMBIOR USA, INC. NO. 51301

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' chip.

Fractured silts.

minimal ox

CAMBIOR USA, INC. NO. 51302

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: Rd cut below sampling 297-300

_____ NO. _____

Sample Description: _____

20' chip.

inc CuOx

Some fractured shale

occ N45E vert fracs w/ CuOx +

AgOx?

CAMBIOR USA, INC. NO. 51303

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' chip

Same

CAMBIOR USA, INC. NO. 51304

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

20' NO. _____

Sample Description: _____

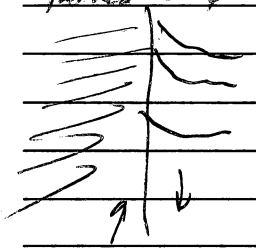
Transitory from siltstone

Qtzite @ start of sample

Fault offset

Dec CuOx

Bedded ~ 4" - 2'



CAMBIOR USA, INC. NO. 51305

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Surface

20' drift

CAMBIOR USA, INC. NO. 51306

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Diabase 20' disp.

vnlts. no cu ox noted.

Yellow oxide Jarosite?

CAMBIOR USA, INC. NO. 51307

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Cut in drawer

Clay Blanched cut w/

Black Calcite chasts

Sample of Black Calcite

CAMBIOR USA, INC. NO. 51308

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' chip

Monitor Chip samples.

Cut.

Fractured shales.

Bedding mod dipping ~ 15°

CuOx on faces.

low angle flts w/ clay + orange FeOx.

CAMBIOR USA, INC. NO. 51309

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' chip

Sample.

CAMBIOR USA, INC. NO. 51310

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' chip Sam

inc. Qtz.

CAMBIOR USA, INC. NO. 51311

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 20' Chip

Same number of flts w/ c. ox

Rare low angle 3-4 high angle.

CAMBIOR USA, INC. NO. 51312

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 20' chip

Sample ends @ fault. w/

left side up

high % LuOx

CAMBIOR USA, INC. NO. 51313

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 20' chip

Rec C.Ox left side of fault.

CAMBIOR USA, INC. NO. 51314

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

20' dip

Rec WOx away from flt.

CAMBIOR USA, INC. NO. 51315

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Dec CuOx away from FH

20' chip

CAMBIOR USA, INC. NO. 51316

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Fault Seam Select

Orange FeOx.

Said to have Au ?

CAMBIOR USA, INC. NO. 51317

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Diorite intrusive.

weakly Altered.

chl.

Minor qtz veins

CAMBIOR USA, INC. NO. 51318

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

c forthole 8'
across sericite Alt Zone -
structure.
FeOx on Shear Planes.

CAMBIOR USA, INC. NO. 51319

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Wall of Area accessing drift

SS/Arvose.

Veining.

Relief limonite

FeOx after Cp.

Calcite vults.

CuOx.

Porphyry related?

CAMBIOR USA, INC. NO. 51320

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

O/C Roadcut Area.

Fractured / Stockwork used.

SS. CuOx.

Cuprite?

Good looking porphyry Cup Rx

CAMBIOR USA, INC. NO. 51321

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

5' trench hand dug.

Clay Alt Shales.

highly fractured.

Wax on fracs

mal & Azurite.

CAMBIOR USA, INC. NO. 51322

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

UG X-cut 10' Dry

clay Alt fractured w/ FeOx on

fracs

Stockwork Zone

CAMBIOR USA, INC. NO. 51323

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

10' chip cut from adj zz

inc Cu ox

moving closer to int contact

CAMBIOR USA, INC. NO. 51324

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

15'

Main tunnel

Prior to x-cut

Flt zone clay

Fractured

Cu Ox

CAMBIOR USA, INC. NO. 51325

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 15'

Some Cont from end of 24

CAMBIOR USA, INC. NO. 51326

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 72'

less clay Alt

more massive.

Cu ox on fracs.

CAMBIOR USA, INC. NO. 51327

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Lower Adit.

qtzite.

Cu ox on fracs.

Lower Adit

Bedded Qtzite

Fit ½ way Back.

CAMBIOR USA, INC. NO. 51328

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

EW structure

7' Chips

Qtzite fractures E-W vert

Stockwork fracture pattern.

Cottonwood Spring

Hot Tamale Peak

JEEP

4000

3600

4200

Monitor Mine

4415

4357

4344

3800

Spring

CAMBIOR USA, INC. NO. 51370

ROCK: ☐ Date: 7/28

SOIL: ☐ State: AZ

SED.: ☐ County:

Project: Manitou

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: 3rd open cut off.

Ek's claim NO. _____

Sample Description:

Diabase w/ possible chalcocite

(mnox).

w/ side of pit

CAMBIOR USA, INC. NO. 51371

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Pit #3, ~~N60W~~ 50°N.

⊥ to Structure ~~F~~ Structure.

N80W 83N° Two readings on

Structure

FeOx Stained mixed clay,

green color to clay CaOx?

6'

CAMBIOR NO.: 51371

ELEMENTS: Au Ag As Sb Hg Cu Pb Zn

CAMBIOR USA, INC. NO. 51372

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Footwall to Structure.

Bleached thin bedded.

Bx silts.

Rare Azurite in frac..

5' chip

CAMBIOR NO.: 51372

ELEMENTS: Au Ag As Sb Hg Cu Pb Zn

CAMBIOR USA, INC. NO. 51373

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

N70E Face + to Structure

Several N60W Structure.

80N° Structure 1cm to 2"

3' chl

CAMBIOR NO.: 51373

ELEMENTS: Au Ag As Sb Hg Cu Pb Zn

CAMBIOR USA, INC. NO. 51374

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Same cont. 3' chip

23

74

CAMBIOR NO.: 51374

ELEMENTS: Au Ag As Sb Hg Cu Pb Zn

CAMBIOR USA, INC. NO. 51375

ROCK: ☐ Date: 7/29

SOIL: ☐ State:

SED.: ☐ County:

Project:

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location:

_____ NO. _____

Sample Description:

Sheared siltstone, w/ sweat mo.
Silt w/ shearing, tuff, moss
on foliation.
looks Dead.

CAMBIOR USA, INC. NO. 51376

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: In Draw

_____ NO. _____

Sample Description:

NW Side of Structure

Drift appears to have been driven on

Andesite / Ls contact.

Select of Carbonate - skarn w/

calcite veins. Possible Po/Cu ox.

Some marble.

CAMBIOR USA, INC. NO. 51377

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

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

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

1st d of Adit. e Ls / silt

Contact - F/f contact

N10W 40°W

Silt / mud stone Clay NH.

weak Limit.

CAMBIOR USA, INC. NO. 51378

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: 10' vert chip ⊥ to bedding
10' vert chip W of adit
med bedded silt. Arkosic ss
CaOx on bedding and assoc w/
N 70 w fracs.
CaOx inc as bedding thickness
Recovery

CAMBIOR USA, INC. NO. 51379

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/Tailings Outcrop/Float Fresh/Weathered

Outcrop Location: Cont from end of 78

15' vert. chip NO. _____

Sample Description:

Same.

inc. Thickness to bedr

Rec Cu Ox.

CAMBIOR USA, INC. NO. 51380

ROCK: ☐ Date: _____

SOIL: ☐ State: _____

SED.: ☐ County: _____

Project: _____

DRILL HOLE NO. _____ FROM _____ TO _____

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

Quad: _____ Scale _____

RX: Dump/ Tailings Outcrop/ Float Fresh/ Weathered

Outcrop Location: _____

_____ NO. _____

Sample Description: _____

Big Trench

LS host.

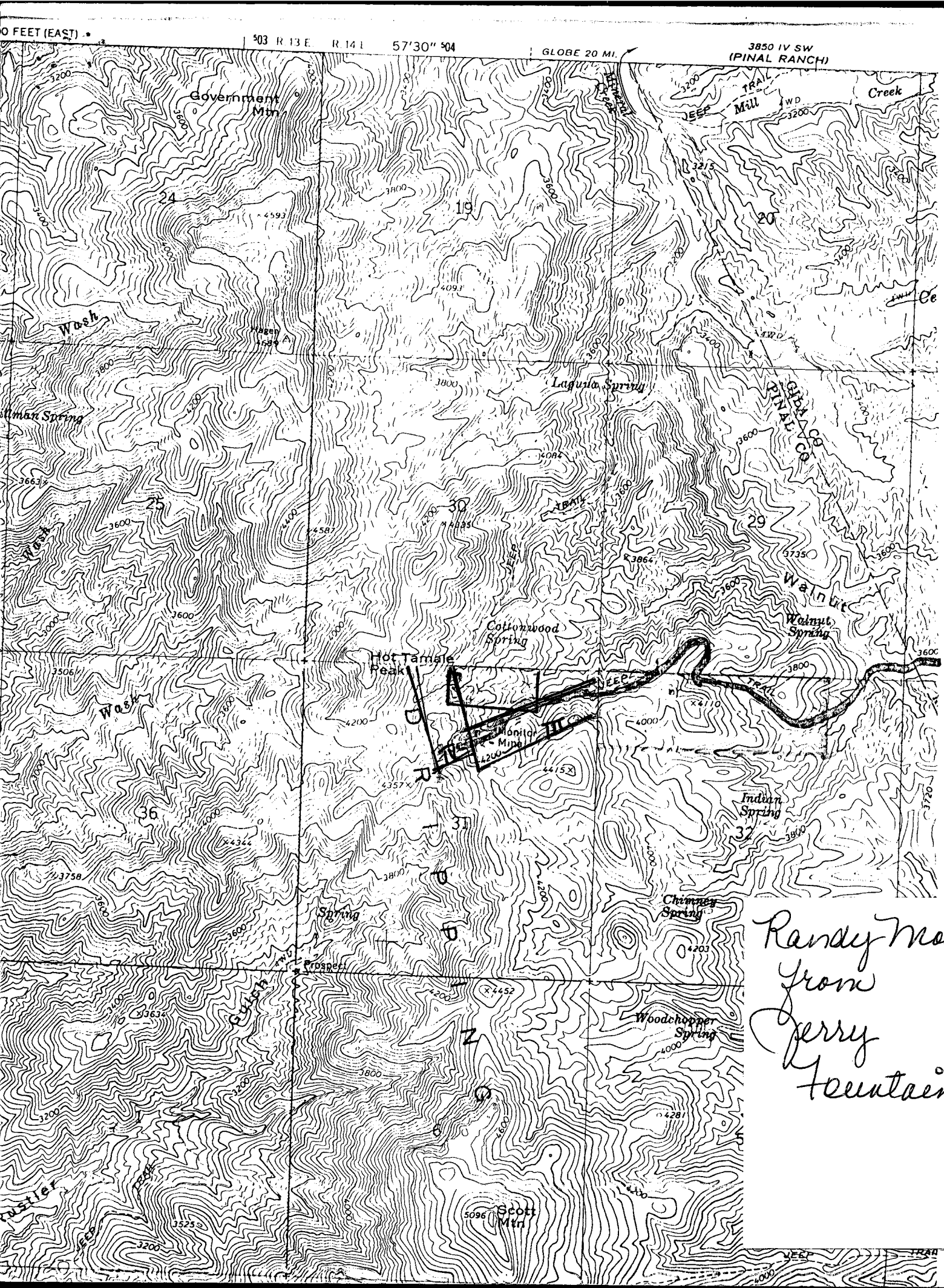
Select

High limonite / weak SiO_2

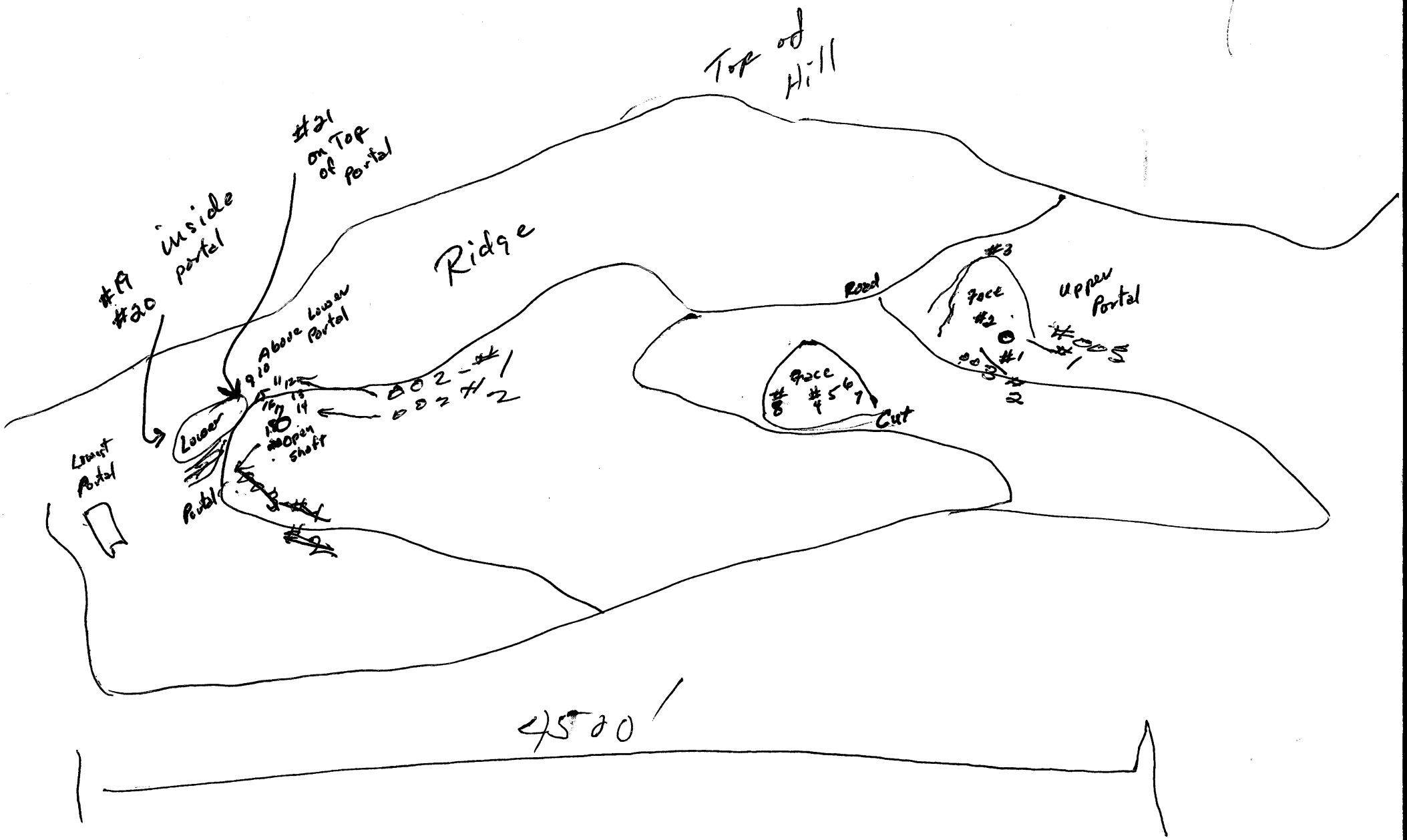
replaced ss.

main structural [illegible]

N80E vert.



Randy Moore
from
Jerry
Fountain



Top of Hill
Ridge
#21 on Top of Portal
#19 inside portal
#20
Above Lower Portal
Lower
Lowest Portal
Portal
Open shaft
Road
Face #2
Face #8 #4 5 6 7
Cut
#3
Upper Portal
4500'

ACTLABS

ACTLABS-SKYLINE

REPORT OF ANALYSIS

JOB NO. WPH 004
May 14, 1998
SAMPLE NOS. 1-21
PAGE 1 OF 1

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P.O. Box 271
Claypool, AZ 85532

Analysis of 21 Rock Chip Samples

ITEM	SAMPLE NO.	FIRE ASSAY Au (oz/t)	Ag (oz/t)	Cu (%)
1	1	<.002	16.95	9.60
2	2	<.002	173.48	27.50
3	3	<.002	224.12	43.50
4	4	<.002	2.60	.70
5	5	<.002	29.13	8.60
6	6	<.002	8.17	2.65
7	7	<.002	6.07	1.51
8	8	<.002	.19	1.03
9	9	<.002	129.64	30.00
10	10	<.002	4.39	3.05
11	11	<.002	18.73	7.75
12	12	<.002	10.20	2.64
13	13	<.002	5.14	4.10
14	14	<.002	69.24	19.50
15	15	<.002	1.81	8.05
16	16	<.002	1.64	2.70
17	17	<.002	1.69	5.45
18	18	<.002	1.21	1.74
19	19	<.002	5.87	4.50
20	20	<.002	1.43	1.07
21	21	<.002	.11	.09

William L. Lehmbeck
Manager

5/14/98

1775 W. Sahuaro Dr., P.O. Box 85670, Tucson, AZ 85754
William L. Lehmbeck
Arizona Registered Assayer No. 9425

Tel (520) 622-4836 Fax (520) 622-6065
James A. Martin
Arizona Registered Assayer No. 1 1122

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
TEL. (520) 622-4836 FAX: (520) 622-6065

REPORT OF ANALYSIS

JOB NO. WPH 002
December 20, 1996
#1 & #2

MR. ELMER LEE RANDOLPH
P.O. Box 271
Claypool, AZ 85532

Analysis of 2 Rock Chip Samples

ITEM	SAMPLE NO.	FIRE ASSAY Au (oz/t)	Ag (oz/t)	Cu (%)
1	#1	<.002	76.58	20.00
2	#2	<.002	14.10	1.95

William L. Lehmbeck
Manager

12/20/96

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
TEL. (520) 622-4836 FAX. (520) 622-6065

REPORT OF ANALYSIS

JOB NO. WPH 003
March 10, 1997
#1 AND #2
PAGE 1 OF 1

MR. ELMER LEE RANDOLPH
P.O. Box 271
Claypool, AZ 85532

Analysis of 2 Rock Chip Samples

ITEM	SAMPLE NO.	FIRE ASSAY Au (oz/t)	Ag (oz/t)	Cu (%)
1	#1	<.002	43.30	10.70
2	#2	<.002	11.60	4.40

Hot Tamale Peak

Diff Rx types:

- Porphyry -
- Flt
- Vn lt

More Vn type

100' Drift entire drift +1% oxide

Veins up to 5-10 M in width.

One Area 10-15 truck lodes shipped w/ Big $ return

200' x 50' wide pit area - Schist

Monitor Mine - Historic.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOT TAMALE PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)

3750 I SE (SUPERIOR) | 3850 IV SW (PINAL RANCH) | 3850 IV SE (PINAL PEAK)

111°00' | 33°15' | 250 000 FEET (EAST) | 810 000 FEET (CENTRAL) | 57'30" | 55' | 110°52'30" | 12'30" | 10'

3678 000m N. | 3677 | 3676 | 3675 | 3674 | 3673 | 3672 | 3671 | 3670 | 3669 | 3668 | 3667 | 3666 | 3665 000m N.

810 000 FEET (EAST) | 780 000 FEET (CENTRAL)

T. 2 S. | T. 3 S.

R. 13 E. | R. 14 E.

3750 II NE (TEAPOT MTN.) | 3850 III NE (EL CAPITAN MTN.)

(GRAYBACK) 3750 II SE | (KEARNY) 3850 III SW | (HAYDEN) 3850 III SE

KEARNY 6.2 MI. | WINKELMAN (ARIZ. 77) 16 MI. | SUPERIOR (U.S. 60) 7.8 MI. | PHOENIX 78 MI. | 6.9 MI. TO ARIZ. 77

Government Mtn | Tillmans Creek | Tillman Spring | Wash | Peltons Wash | Mineral Canyon | Hot Tamale Peak | Monitor Mine | Cottonwood Spring | Laguna Spring | Gila Co. | Pinal Co. | Cedar Creek | Walnut Spring | Walnut Canyon | Indian Spring | Chimney Spring | Woodchopper Spring | Looney Spring | Scott Mtn | Slash S Ranch | Lookout Tank | Cabra Wash | Stone Cabin Spring | Stone Cabin Box Spring | Big Park | Dripping Spring Wash | Haley Spring | Haleys Mtn | Ray Mine | Drill Hole | Ray | Gallup Mine | Big Dome | Cairo Hill | Poplar Gulch | Indian Spring | Sonora Hill | Substation | Tank | Low Water Tank | Twin Domes | Troy Mountain | Troy Ranch | Buckeye Mine | Tiger Mine | Vanadium Spring | Hagen Ranch | Well | Burro Spring | Edger Gulch | Hackberry Gulch | Alice Mine | Battler Mine | Cave Spring | Dripping Spring Wash | Stonie Wash | Cabra Tank | Orick Tank | Jeep Trail | 4WD | Mill Two | Big Dome Wash | Rustler Gulch | Amanda Trail | Spillway Elev. 1183 | Lanke Flat | Devils Canyon | Big Dome Wash | Hackberry Wash | Boundary Cone | Dripping Spring Wash | Stonie Wash | Cabra Wash | Gila Co. | Pinal Co. | Spring | Tank | Mine | Well | Cave | Gulch | Wash | Creek | Canyon | Flat | Hills | Mtns | Dome | Mesa | Butte | Ridge | Valley | Basin | Plain | Flats | Hill | Peak | Mountains | Gila Mountains | Dripping Spring Mountains | Superstition Mountains | Sierra Ancha Mountains

MN | GN | 0°02' 1 MIL | 14° 249 MILS

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE | 7000 FEET | 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

ROAD CLASSIFICATION

Heavy-duty | Light-duty | Medium-duty | Unimproved dirt | State Route

ARIZONA

QUADRANGLE LOCATION

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Arizona coordinate system, central and east zones
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 3 meters south and 62 meters east as shown by dashed corner ticks

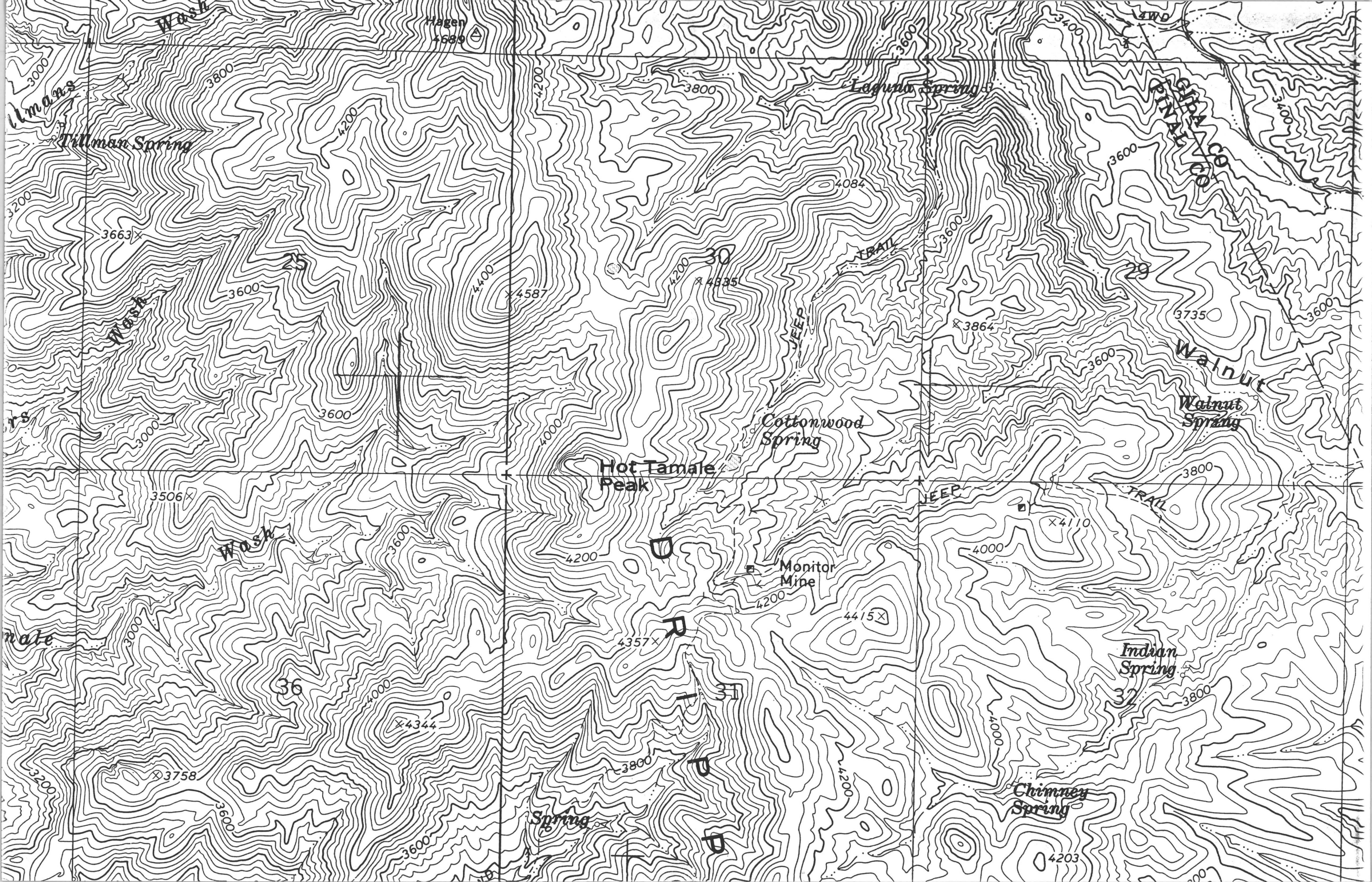
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled from aerial photographs taken 1978 and other source data. This information not field checked. Map edited 1982

HOT TAMALE PEAK, ARIZ.
(FORMERLY SONORA)
N3307.5—W11052.5/7.5

1964
PHOTOREVISED 1982
DMA 3850 III NW—SERIES V898

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982



Wash
Hagen
4689
Tillman Spring
Laguna Spring
GILA CO
PINAL CO
4WD
4084
3663
25
30
29
4587
4335
TRAIL
JEEP
3864
3735
Walnut
Walnut Spring
Cottonwood Spring
Hot Tamale Peak
3506
JEEP
TRAIL
4110
Monitor Mine
4415
4357
Indian Spring
36
31
32
4344
3758
Chimney Spring
Spring
4203

4587

4200

30

4335

JEEP

TRAIL

3600

29

3864

3600

4000

Cottonwood Spring

Hot Tamale Peak

4200

Monitor Mine

4200

4415

4357

JEEP

TRAIL

4110

4000

Hot Tamale Peak

Spring

4200

Monitor Mine

4200

4415

4357

Subject: Conversation with Nile Niemuth.
Date: Fri, 31 Jul 1998 07:49:26 -0700
From: "Dale G. Armstrong" <dgageologist@Opus1.COM>
To: rmoore@inetworld.com

Randy:

Thanks again for the great meal and company Wed. night. Next time we go back we will wear something nicer so that we can mingle with the power people inside. (Ha)

Anyway Here is the scoop from Nile Niemuth at the Az dept. Mines and Mineral Resources in Phx. The property was optioned to Ranchers in '77 by the Hagens(sp) family. Ranchers drilled an unknown number of holes and had the property for an unspecified period of time, probably not more than two years. No data was given to the Hagens family and the end of the option. The Geologist in charge was Dave Fitch. He is now a consultant in Reno. The phone # that I have for Dave is 829-9990. The number is at least one year old. I have not spoken to Dave in years but he has a great memory, unlike somebody I know, and can probably shed light on the potential of the area.

In March of '88 Jim Brisco and Assoc. probed some of the drill holes with the portable X-ray analyzer they were trying to promote. Results were inconsistent with assays, no surprise. No other information was available on the Brisco program.

Nile mentioned there is a file on the property in his office open to public review. It has other information, mostly historic. His number in Phx. is (800) 446-4259.

Hope this helps in some way.

Good seeing you again, and best regards,

Dale.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CAMBIOR USA, INC.

23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

Project : D - SPRINGS 305
Comments: ATTN: R. MOORE

Page Number 1
Total Pages 1
Certificate Date 28-JUL-98
Invoice No. I-9824888
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9824888

OVERLIMITS from A9824482

SAMPLE DESCRIPTION	PREP CODE		Ag con oz/T									
51297	244	--	454.85									

CERTIFICATION: _____

07/29/98 10:22AM CHEMEX LABS VAX-FAX PAGE 002

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers
994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CAMBIOR USA, INC.
23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

Project : D - SPRINGS 305
Comments: ATTN: R. MOORE

Page Number :1-A
Total Pages :1
Certificate Date: 13-JUL-98
Invoice No. :I9823676
P.O. Number :
Account :HNW

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9823676

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppb	K %	La ppm	Mg %	Mn ppm
51297	205	226	< 5	>100.0	0.09	208	70	0.5	Intf*	< 0.01	11.0	19	Intf*	>10000	11.60	< 10	70	0.02	< 10	0.08	1375
51298	205	226	< 5	66.8	0.36	< 2	50	< 0.5	Intf*	0.59	3.0	8	64	>10000	2.67	< 10	10	0.23	20	0.04	520
51299	205	226	< 5	6.6	0.93	18	220	2.0	< 2	0.07	1.5	16	38	1535	4.41	< 10	< 10	0.38	30	0.24	615
51300	205	226	< 5	4.6	0.54	< 2	40	< 0.5	< 2	0.04	1.5	7	91	1275	2.69	< 10	30	0.38	20	0.02	145
51301	205	226	< 5	10.6	0.63	8	170	2.0	< 2	0.12	2.5	12	15	2970	2.76	< 10	< 10	0.38	50	0.07	280
51302	205	226	< 5	50.6	0.57	< 2	50	2.0	< 2	0.71	14.5	10	10	7270	3.26	< 10	10	0.34	30	0.07	960
51303	205	226	< 5	>100.0	0.65	12	100	2.0	Intf*	3.27	35.0	10	10	>10000	3.26	< 10	20	0.38	30	0.10	1035
51304	205	226	5	64.6	0.43	40	330	0.5	2	1.52	2.5	6	113	7580	1.98	< 10	< 10	0.26	10	0.07	500
51305	205	226	< 5	4.6	0.45	8	680	0.5	< 2	0.36	2.0	6	73	601	2.42	< 10	10	0.27	20	0.05	200
51306	205	226	< 5	0.6	3.22	10	140	0.5	< 2	6.32	< 0.5	36	39	99	8.92	10	10	0.38	10	1.88	1135
51307	205	226	5	0.4	0.16	< 2	< 10	< 0.5	< 2	7.25	< 0.5	< 1	74	40	0.22	< 10	< 10	0.07	< 10	0.47	160
51308	205	226	< 5	9.2	1.20	18	50	2.0	< 2	0.29	1.0	13	17	1590	3.28	< 10	< 10	0.55	50	0.25	325
51309	205	226	< 5	3.4	1.18	4	40	1.5	< 2	0.13	0.5	9	13	2310	3.00	< 10	< 10	0.52	50	0.30	135
51310	205	226	< 5	65.2	1.34	< 2	40	1.5	< 2	0.14	0.5	11	17	6230	3.03	< 10	< 10	0.55	60	0.39	140
51311	205	226	< 5	>100.0	1.24	< 2	40	2.0	Intf*	0.35	7.0	10	27	>10000	2.74	< 10	20	0.53	50	0.33	300
51312	205	226	< 5	>100.0	0.95	8	50	2.5	Intf*	0.25	3.5	13	30	>10000	3.12	< 10	10	0.45	50	0.21	510
51313	205	226	< 5	52.8	0.88	8	50	2.0	2	0.08	1.0	7	9	6340	2.86	< 10	< 10	0.48	60	0.15	165
51314	205	226	< 5	3.6	0.80	8	50	2.0	< 2	0.09	0.5	9	8	3310	3.13	< 10	10	0.46	50	0.13	320
51315	205	226	< 5	29.2	0.80	6	50	2.0	2	0.09	0.5	7	10	5910	3.09	< 10	< 10	0.47	50	0.11	575
51316	205	226	10	>100.0	0.40	188	800	3.5	Intf*	0.10	8.5	18	26	>10000	12.65	< 10	30	0.23	20	0.11	1400
51317	205	226	< 5	0.8	2.18	4	60	0.5	< 2	1.67	< 0.5	32	18	232	7.73	10	< 10	0.16	10	1.11	590
51318	205	226	10	2.4	0.51	20	70	1.0	< 2	7.69	53.5	10	32	952	2.71	< 10	100	0.31	20	1.78	865
51319	205	226	170	>100.0	0.20	354	500	< 0.5	Intf*	7.04	115.5	9	56	>10000	4.51	< 10	640	0.11	10	3.15	910
51320	205	226	10	>100.0	0.37	1800	80	0.5	Intf*	6.94	55.5	22	14	>10000	3.80	< 10	2240	0.22	10	2.20	1225
51321	205	226	< 5	26.0	0.86	156	90	2.0	Intf*	0.19	3.0	14	15	>10000	3.11	< 10	220	0.37	40	0.09	1395
51322	205	226	45	>100.0	0.60	630	70	1.5	Intf*	3.26	144.5	19	12	>10000	2.81	< 10	3430	0.34	30	0.51	1015
51323	205	226	10	93.4	0.78	298	60	1.5	Intf*	2.43	32.0	15	11	>10000	2.77	< 10	990	0.41	30	0.49	845
51324	205	226	5	>100.0	0.72	376	50	2.0	Intf*	1.67	19.0	14	10	>10000	3.05	< 10	480	0.41	40	0.36	725
51325	205	226	5	47.4	0.62	276	50	1.5	Intf*	0.29	18.5	20	51	>10000	3.83	< 10	580	0.35	40	0.14	1475
51326	205	226	< 5	6.6	0.42	32	100	0.5	< 2	5.57	5.0	12	26	3300	3.07	< 10	50	0.26	20	1.52	1015
51327	205	226	< 5	7.4	0.28	36	40	< 0.5	< 2	0.69	1.5	7	122	2270	1.15	< 10	80	0.17	10	0.17	380
51328	205	226	10	>100.0	0.21	92	50	< 0.5	Intf*	0.06	1.5	89	105	>10000	2.01	< 10	60	0.12	< 10	0.01	355

CERTIFICATION: Stuart Bichler

* INTERFERENCES: Cu ON Bi, P AND G. SAMPLES BETTER SUITED FOR A30 DIGESTION.

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CAMBIOR USA, INC.

23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

Project : D - SPRINGS 305
Comments: ATTN: R. MOORE

Page Number :1-B
Total Pages :1
Certificate Date: 13-JUL-98
Invoice No. :I9823676
P.O. Number :
Account :HNW

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9823676

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
51297	205 226	41	< 0.01	3	Intf*	2410	144	1	< 1	< 0.01	< 10	< 10	7	< 10	1530
51298	205 226	4	< 0.01	9	Intf*	510	10	3	5	< 0.01	< 10	< 10	4	< 10	1185
51299	205 226	4	< 0.01	20	250	1460	2	7	7	< 0.01	< 10	< 10	12	< 10	504
51300	205 226	3	< 0.01	15	130	496	2	5	4	< 0.01	< 10	< 10	7	< 10	664
51301	205 226	4	< 0.01	12	330	544	2	5	8	< 0.01	< 10	< 10	5	< 10	372
51302	205 226	33	< 0.01	11	300	>10000	16	4	13	< 0.01	< 10	< 10	6	< 10	866
51303	205 226	20	< 0.01	9	Intf*	>10000	32	4	26	< 0.01	< 10	< 10	6	< 10	1660
51304	205 226	8	0.01	6	110	636	8	3	6	< 0.01	< 10	< 10	4	< 10	318
51305	205 226	4	< 0.01	7	140	514	4	2	14	< 0.01	< 10	< 10	4	< 10	358
51306	205 226	1	0.01	41	2220	24	4	14	66	0.02	< 10	< 10	133	< 10	132
51307	205 226	1	0.01	1	70	8	< 2	< 1	159	< 0.01	< 10	< 10	1	< 10	8
51308	205 226	6	< 0.01	15	290	628	12	4	9	< 0.01	< 10	< 10	8	< 10	178
51309	205 226	5	< 0.01	12	310	44	< 2	4	13	< 0.01	< 10	< 10	7	< 10	64
51310	205 226	4	< 0.01	13	310	60	2	4	8	< 0.01	< 10	< 10	8	< 10	108
51311	205 226	15	< 0.01	8	Intf*	1545	20	4	7	< 0.01	< 10	< 10	8	< 10	556
51312	205 226	9	< 0.01	9	Intf*	1105	36	4	8	< 0.01	< 10	< 10	7	< 10	544
51313	205 226	3	< 0.01	12	340	344	2	4	9	< 0.01	< 10	< 10	5	< 10	194
51314	205 226	1	< 0.01	12	310	102	< 2	4	8	< 0.01	< 10	< 10	4	< 10	160
51315	205 226	1	< 0.01	11	270	192	< 2	4	8	< 0.01	< 10	< 10	5	< 10	136
51316	205 226	49	0.01	10	Intf*	4430	416	11	21	< 0.01	< 10	< 10	7	< 10	778
51317	205 226	3	0.03	20	820	14	< 2	16	28	0.13	< 10	< 10	242	< 10	70
51318	205 226	5	< 0.01	7	450	1405	2	4	23	< 0.01	< 10	< 10	7	< 10	3380
51319	205 226	14	< 0.01	6	Intf*	6980	372	< 1	91	< 0.01	< 10	< 10	5	< 10	3720
51320	205 226	10	< 0.01	6	Intf*	944	3680	3	30	< 0.01	< 10	< 10	18	< 10	4740
51321	205 226	6	< 0.01	8	Intf*	204	238	4	7	< 0.01	< 10	< 10	44	< 10	430
51322	205 226	9	0.26	< 1	Intf*	1275	7450	3	16	< 0.01	< 10	< 10	29	< 10	3190
51323	205 226	13	0.10	5	Intf*	518	2560	4	17	< 0.01	< 10	< 10	22	< 10	1735
51324	205 226	9	0.03	5	Intf*	330	1150	5	11	< 0.01	< 10	< 10	13	< 10	2330
51325	205 226	11	0.03	7	Intf*	550	1335	5	9	< 0.01	< 10	< 10	38	< 10	1665
51326	205 226	7	0.05	8	420	324	30	3	15	< 0.01	< 10	< 10	13	< 10	678
51327	205 226	4	< 0.01	4	290	86	140	< 1	5	< 0.01	< 10	< 10	8	< 10	152
51328	205 226	3	< 0.01	7	Intf*	78	424	1	7	< 0.01	< 10	< 10	20	< 10	172

CERTIFICATION: Stuart Bichler

* INTERFERENCES: Cu ON Bi, P AND G. SAMPLES BETTER SUITED FOR A30 DIGESTION.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CAMBIOR USA, INC.

23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

Project : D - SPRINGS 305
Comments: ATTN: R. MOORE

Certificate Date: 15-JUL-98
Invoice No. I-9824482
P.O. Number :
Account :

CERTIFICATE OF ANALYSIS A9824482

OVERLIMITS from A9823676

SAMPLE DESCRIPTION	PREP CODE		Ag FA oz/T	Cu %	Pb %
51297	244	--	>100.0	44.1	-----
51298	244	--	-----	1.11	-----
51302	244	--	-----	-----	1.23
51303	244	--	4.2	1.54	1.24
51311	244	--	6.4	1.87	-----
51312	244	--	4.2	1.36	-----
51316	244	--	25.5	5.53	-----
51319	244	--	10.0	2.32	-----
51320	244	--	8.0	3.90	-----
51321	244	--	-----	1.78	-----
51322	244	--	4.8	4.02	-----
51323	244	--	-----	1.87	-----
51324	244	--	4.6	2.62	-----
51325	244	--	-----	1.84	-----
51328	244	--	4.6	1.84	-----

CERTIFICATION: _____

07/16/98 3:11PM CHEMEX LABS VAX-FAX2 PAGE 002

FROM : CHEMEX LABS LTD., VANCOUVER PHONE: 604-984-0221

cc: mmb
em

TO : CAMBIOR USA, INC.
ATTENTION : Attn: R. Moore
ATTN: R. MOORE
WORKORDER : A9823676 PROJECT : D - SPRINGS 305

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P R E L I M I N A R Y D A T A O N L Y !!

*** Samples are being analyzed for: Au ppb FA+AA,Ag ppm,Al %,As ppm,Ba ppm,Be ppm,Bi ppm ,Ca %,Cd ppm,Co ppm,Cr ppm,Cu ppm,Fe %,Ga ppm,Hg ppb,K %,La ppm,Mg %,Mn ppm,Mo ppm,Na %, Ni ppm,P ppm,Pb ppm,Sb ppm,Sc ppm,Sr ppm,Ti %,Tl ppm,U ppm,V ppm,W ppm,Zn ppm

SAMPLE	983	2118	2119	2120	2121	2122	2123	2124	2125
DESCRIPTION	Au ppb	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm
51297	<5	>100.0	0.09	208	70	0.5	Intf*	<0.01	11.0
51298	<5	66.8	0.36	<2	50	<0.5	Intf*	0.59	3.0
51299	<5	6.6	0.93	18	220	2.0	<2	0.07	1.5
51300	<5	4.6	0.54	<2	40	<0.5	<2	0.04	1.5
51301	<5	10.6	0.63	8	170	2.0	<2	0.12	2.5
51302	<5	50.6	0.57	<2	50	2.0	<2	0.71	14.5
51303	<5	>100.0	0.65	12	100	2.0	Intf*	3.27	35.0
51304	5	64.6	0.43	40	330	0.5	2	1.52	2.5
51305	<5	4.6	0.45	8	680	0.5	<2	0.36	2.0
51306	<5	0.6	3.22	10	140	0.5	<2	6.32	<0.5
51307	5	0.4	0.16	<2	<10	<0.5	<2	7.25	<0.5
51308	<5	9.2	1.20	18	50	2.0	<2	0.29	1.0
51309	<5	3.4	1.18	4	40	1.5	<2	0.13	0.5
51310	<5	65.2	1.34	<2	40	1.5	<2	0.14	0.5
51311	<5	>100.0	1.24	<2	40	2.0	Intf*	0.35	7.0
51312	<5	>100.0	0.95	8	50	2.5	Intf*	0.25	3.5
51313	<5	52.8	0.88	8	50	2.0	2	0.08	1.0
51314	<5	3.6	0.80	8	50	2.0	<2	0.09	0.5
51315	<5	29.2	0.80	6	50	2.0	2	0.09	0.5
51316	10	>100.0	0.40	188	800	3.5	Intf*	0.10	8.5
51317	<5	0.8	2.18	4	60	0.5	<2	1.67	<0.5
51318	10	2.4	0.51	20	70	1.0	<2	7.69	53.5
51319	170	>100.0	0.20	354	500	<0.5	Intf*	7.04	115.5
51320	10	>100.0	0.37	1800	80	0.5	Intf*	6.94	55.5
51321	<5	26.0	0.86	156	90	2.0	Intf*	0.19	3.0
51322	45	>100.0	0.60	630	70	1.5	Intf*	3.26	144.5
51323	10	93.4	0.78	298	60	1.5	Intf*	2.43	32.0
51324	5	>100.0	0.72	376	50	2.0	Intf*	1.67	19.0
51325	5	47.4	0.62	276	50	1.5	Intf*	0.29	18.5
51326	<5	6.6	0.42	32	100	0.5	<2	5.57	5.0
51327	<5	7.4	0.28	36	40	<0.5	<2	0.69	1.5
51328	10	>100.0	0.21	92	50	<0.5	Intf*	0.06	1.5

FROM : CHEMEX LABS LTD., VANCOUVER PHONE: 604-984-0221

TO : CAMBIOR USA, INC.
ATTENTION : Attn: R. Moore
WORKORDER : A9823676 PROJECT : D - SPRINGS 305

PRELIMINARY DATA ONLY !!

SAMPLE DESCRIPTION	2126 Co ppm	2127 Cr ppm	2128 Cu ppm	2150 Fe %	2130 Ga ppm	20 Hg ppb	2132 K %	2151 La ppm	2134 Mg %
51297	19	Intf*	>10000	11.60	<10	70	0.02	<10	0.08
51298	8	64	>10000	2.67	<10	10	0.23	20	0.04
51299	16	38	1535	4.41	<10	<10	0.38	30	0.24
51300	7	91	1275	2.69	<10	30	0.38	20	0.02
51301	12	15	2970	2.76	<10	<10	0.38	50	0.07
51302	10	10	7270	3.26	<10	10	0.34	30	0.07
51303	10	10	>10000	3.26	<10	20	0.38	30	0.10
51304	6	113	7580	1.98	<10	<10	0.26	10	0.07
51305	6	73	601	2.42	<10	10	0.27	20	0.05
51306	36	39	99	8.92	10	10	0.38	10	1.88
51307	<1	74	40	0.22	<10	<10	0.07	<10	0.47
51308	13	17	1590	3.28	<10	<10	0.55	50	0.25
51309	9	13	2310	3.00	<10	<10	0.52	50	0.30
51310	11	17	6230	3.03	<10	<10	0.55	60	0.39
51311	10	27	>10000	2.74	<10	20	0.53	50	0.33
51312	13	30	>10000	3.12	<10	10	0.45	50	0.21
51313	7	9	6340	2.86	<10	<10	0.48	60	0.15
51314	9	8	3310	3.13	<10	10	0.46	50	0.13
51315	7	10	5910	3.09	<10	<10	0.47	50	0.11
51316	18	26	>10000	12.65	<10	30	0.23	20	0.11
51317	32	18	232	7.73	10	<10	0.16	10	1.11
51318	10	32	952	2.71	<10	100	0.31	20	1.78
51319	9	56	>10000	4.51	<10	640	0.11	10	3.15
51320	22	14	>10000	3.80	<10	2240	0.22	10	2.20
51321	14	15	>10000	3.11	<10	220	0.37	40	0.09
51322	19	12	>10000	2.81	<10	3430	0.34	30	0.51
51323	15	11	>10000	2.77	<10	990	0.41	30	0.49
51324	14	10	>10000	3.05	<10	480	0.41	40	0.36
51325	20	51	>10000	3.83	<10	580	0.35	40	0.14
51326	12	26	3300	3.07	<10	50	0.26	20	1.52
51327	7	122	2270	1.15	<10	80	0.17	10	0.17
51328	89	105	>10000	2.01	<10	60	0.12	<10	0.01

FROM : CHEMEX LABS LTD., VANCOUVER PHONE: 604-984-0221

TO : CAMBIOR USA, INC.
ATTENTION : Attn: R. Moore
WORKORDER : A9823676 PROJECT : D - SPRINGS 305

PRELIMINARY DATA ONLY !!

SAMPLE DESCRIPTION	2135 Mn ppm	2136 Mo ppm	2137 Na %	2138 Ni ppm	2139 P ppm	2140 Pb ppm	2141 Sb ppm	2142 Sc ppm	2143 Sr ppm
51297	1375	41	<0.01	3	Intf*	2410	144	1	<1
51298	520	4	<0.01	9	Intf*	510	10	3	5
51299	615	4	<0.01	20	250	1460	2	7	7
51300	145	3	<0.01	15	130	496	2	5	4
51301	280	4	<0.01	12	330	544	2	5	8
51302	960	33	<0.01	11	300	>10000	16	4	13
51303	1035	20	<0.01	9	Intf*	>10000	32	4	26
51304	500	8	0.01	6	110	636	8	3	6
51305	200	4	<0.01	7	140	514	4	2	14
51306	1135	1	0.01	41	2220	24	4	14	66
51307	160	1	0.01	1	70	8	<2	<1	159
51308	325	6	<0.01	15	290	628	12	4	9
51309	135	5	<0.01	12	310	44	<2	4	13
51310	140	4	<0.01	13	310	60	2	4	8
51311	300	15	<0.01	8	Intf*	1545	20	4	7
51312	510	9	<0.01	9	Intf*	1105	36	4	8
51313	165	3	<0.01	12	340	344	2	4	9
51314	320	1	<0.01	12	310	102	<2	4	8
51315	575	1	<0.01	11	270	192	<2	4	8
51316	1400	49	0.01	10	Intf*	4430	416	11	21
51317	590	3	0.03	20	820	14	<2	16	28
51318	865	5	<0.01	7	450	1405	2	4	23
51319	910	14	<0.01	6	Intf*	6980	372	<1	91
51320	1225	10	<0.01	6	Intf*	944	3680	3	30
51321	1395	6	<0.01	8	Intf*	204	238	4	7
51322	1015	9	0.26	<1	Intf*	1275	7450	3	16
51323	845	13	0.10	5	Intf*	518	2560	4	17
51324	725	9	0.03	5	Intf*	330	1150	5	11
51325	1475	11	0.03	7	Intf*	550	1335	5	9
51326	1015	7	0.05	8	420	324	30	3	15
51327	380	4	<0.01	4	290	86	140	<1	5
51328	355	3	<0.01	7	Intf*	78	424	1	7

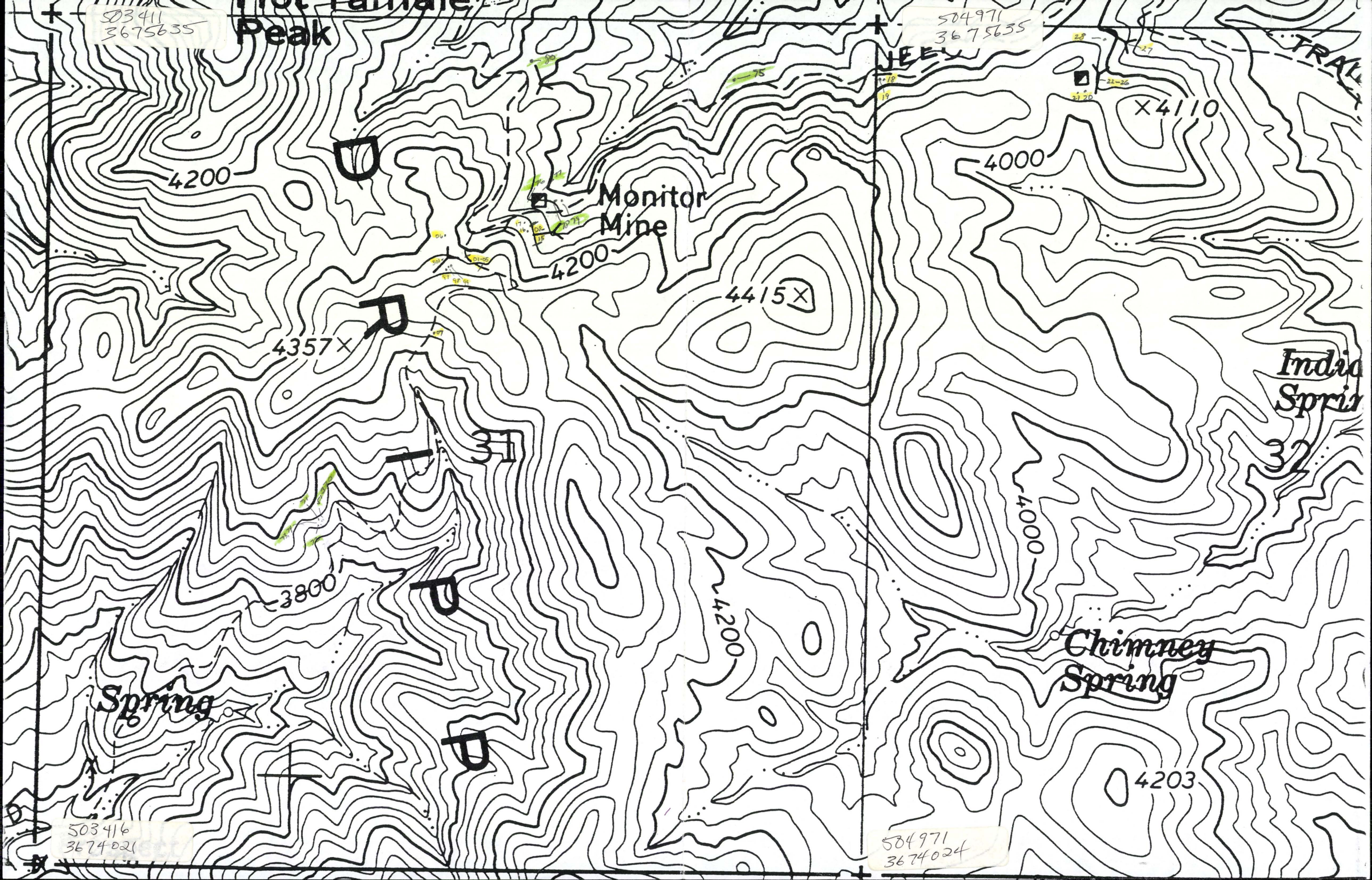
FROM : CHEMEX LABS LTD., VANCOUVER PHONE: 604-984-0221

TO : CAMBIOR USA, INC.
ATTENTION : Attn: R. Moore
WORKORDER : A9823676 PROJECT : D - SPRINGS 305

P R E L I M I N A R Y D A T A O N L Y !!

SAMPLE DESCRIPTION	2144 Ti %	2145 Tl ppm	2146 U ppm	2147 V ppm	2148 W ppm	2149 Zn ppm
51297	<0.01	<10	<10	7	<10	1530
51298	<0.01	<10	<10	4	<10	1185
51299	<0.01	<10	<10	12	<10	504
51300	<0.01	<10	<10	7	<10	664
51301	<0.01	<10	<10	5	<10	372
51302	<0.01	<10	<10	6	<10	866
51303	<0.01	<10	<10	6	<10	1660
51304	<0.01	<10	<10	4	<10	318
51305	<0.01	<10	<10	4	<10	358
51306	0.02	<10	<10	133	<10	132
51307	<0.01	<10	<10	1	<10	8
51308	<0.01	<10	<10	8	<10	178
51309	<0.01	<10	<10	7	<10	64
51310	<0.01	<10	<10	8	<10	108
51311	<0.01	<10	<10	8	<10	556
51312	<0.01	<10	<10	7	<10	544
51313	<0.01	<10	<10	5	<10	194
51314	<0.01	<10	<10	4	<10	160
51315	<0.01	<10	<10	5	<10	136
51316	<0.01	<10	<10	7	<10	778
51317	0.13	<10	<10	242	<10	70
51318	<0.01	<10	<10	7	<10	3380
51319	<0.01	<10	<10	5	<10	3720
51320	<0.01	<10	<10	18	<10	4740
51321	<0.01	<10	<10	44	<10	430
51322	<0.01	<10	<10	29	<10	3190
51323	<0.01	<10	<10	22	<10	1735
51324	<0.01	<10	<10	13	<10	2330
51325	<0.01	<10	<10	38	<10	1665
51326	<0.01	<10	<10	13	<10	678
51327	<0.01	<10	<10	8	<10	152
51328	<0.01	<10	<10	20	<10	172

END OF DATA



503411
3675635
Peak
504971
3675635
JEEP
TRAIL
4110
4000
4200
Monitor
Mine
4200
4415
4357
31
32
4000
3800
4200
Chimney
Spring
Spring
4203
503416
3674021
504971
3674024

Cambior Exploration

Sample Record

Property Monitor - AZ Sampler RLM Page 1 Of 3

Samp. #	Sec.	TWNS	RNG	Date	Samp. Type	Description	Au	Ag ppm	Cu %	Pb ppm	Zn
51297	31	T2S	R14E	6/28/98	Dump	Massive Hematite w/ CuOx. Spec Hem noted	<5	>100 oz	44%	24%	1530
51298					10' chip	Massive SS top of large cut. Jointed, Near flat lying beds		6.6	1.11%	5%	1185
51299					10' chip	Shale unit below SS, Highly fractured, thin bedded, minor CuOx.		6.6	.154	14%	504
51300					5' chip	Blocky, bleached SS w/ minor FeOx, No CuOx		4.6	.128	49%	664
51301					20' chip	Along road cut, fractured silts w/ minor Cuox		10.6	.257	5.44%	372
51302					20' chip cont.	Frac. Silts w/ minor Cuox		50.6	.727	1.23%	866
51303					20' chip cont.	Inc. CuOx frac shale w/ occ N45E frac. High in Cu + AgOx		4.202	1.51%	1.24%	1440
51304					20' chip cont.	Transition from siltstone to ss at start of sample. Fault offset, dec Cuox	5	661.6	.758	6.3%	318
51305					20' chip cont.	Same	<5	4.6	.06	514	358
51306					20' chip	Diabase, numerous veinlets, jarosite, no Cuox		0.6	99 ppm	24	132
51307					select	Black calcite from zone of intense clay alteration and bleaching.	5	0.4	40 ppm	8	6
51308					20' chip	Monitor cut, Fractured shales, thin bedded, Cuox on fracs, low angle faults w/ orange oxides	<5	9.2	.159	628	178

80'C
67g/t Ag
0.8% Cu

Cambior Exploration

Sample Record

Property Monitor - AZ Sampler RLM Page 2 Of 3

Samp. #	Sec.	TWNS	RNG	Date	Samp. Type	Description	Au	Ag	Cu	Pb	Zn
51309					20' chip cont.	Same	<5	3.4	.231	44	64
51310					20' chip cont.	Same, inc Cuox		65.2	.623	60	108
51311					20' chip cont.	Same, silts, numerous high angle faults w/ Cuox		6.4 oz	1.87	1545	556
51312					20' chip cont.	Same, sample ends @ flt w/left side up, high % Cuox		4.2 oz	1.3%	1105	544
51313					20'chip cont.	Dec CuOx away from flt.		52.8	.634	344	194
51314					20' chip cont.	Dec. Cuox after flt., siltstone		3.6	.331	102	160
51315					20' chip cont.	Cont. Dec. Cuox	↓	29.2	.591	1/2	136
51316					select	fault seam orange Feox	10	25.5 oz	553	44 30	772
51317					5'	Diorite intrusive weakly altered, chlorite occ. Qtz vnlt.	<5	0.8	.02	14	70
51318					8'	At porthole across sericite altered structure, Feox on shear planes	10	2.4	.09	1405	3380
51319					5' chip	wall near entrance of drift, ss/arcose, veining, relief hematite, Feox after cp.	170	10oz	2.32	4980	3720
51320					3'	road cut area, fractured/stockwork ss w/ Cuox	10	8.0oz	3.9%	944	4730
51321					5' trench	Hand dug trench, clay altered shales highly fractured, Cuox on fracs.	45	2.0	1.78%	204	430

160'@ 66g/t Ag 0.7% Cu

Cambior Exploration

Sample Record

Property Monitor - AZ Sampler RLM Page 3 Of 3

Samp. #	Sec.	TWNS	RNG	Date	Samp. Type	Description	Au	Ag	Cu	Pb	Zn	
51322				20'	10' chip	UG X-cut clay altered, fractured, stockwork zone	45	1.8oz	4.03%	1275	3190	20'@ 1.29g/t Ag 2.9% Cu
51323					10' chip cont.	UG moving toward intrusive contact, inc Cuox	10	93.4	1.87%	518	1735	
51324				42'	15'	Main tunnel, seds, flt zones w/ clay, rx fractured, Cuox noted	5	1.6oz	2.62	330	2330	42'@ 98g/t Ag 1.7% Cu
51325					15' chip cont.	Same	5	47.4	1.44	550	1465	
51326					12'chip cont.	Dec. Clay alt, more massive ss, Cuox on fracs.	<5	6.6	.33	324	678	
51327					4'	Lower tunnel, qtzite, Cuox on fracs,	↓	7.4	.227	8%	152	
51328					7'	E-W structure on rd cut above adit, Qtzite, stockwork vn pattern,	10	1.6oz	1.84	78	172	

3750 I SE
(SUPERIOR)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

111°00'
33°15'
501 000m.E.
250 000 FEET (EAST)
503
R. 13 E.
R. 14 E.
57'30"
504
GLOBE 20 MI.
3850 IV SW
(PINAL RANCH)
507
55'
508
3678 000m.N.
3677
3676
810 000 FEET
(EAST)
3675
3673
12'30"
T. 2 S.
T. 3 S.

Government Mtn
Mineral Creek
JEEP TRAIL
Mill Creek
4WD
Cedar
Hagen 4685
Tillmans Wash
Tillman Spring
Creek
Laguna Spring
GILA CO
PINAL CO
Potters Wash
Cottonwood Spring
Walnut Spring
Walnut Canyon
Hot Tamale Peak
Devils Canyon
Mineral Wash
USLM 3380
Hot Tamale
Dam
Monitor Mine
DRIPPING
Indian Spring
INDEFINITE
BOUNDARY
Chimney Spring
Spring
Prospect
Lakel Flat
SPILLWAY ELEV 2193
Gulch
Woodchopper Spring
Slash S Ranch

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To. CAMBIOR USA, INC.

23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

A9824888

Comments: ATTN: R. MOORE

CERTIFICATE A9824888

(HNW) - CAMBIOR USA, INC.

Project: D - SPRINGS 305
P.O. # :

Samples submitted to our lab in Sparks, NV.
This report was printed on 28-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
388	1	Ag oz/T: Concentrate	FA-AAS/GRAV	0.01	200.00

The results of this assay were based solely upon the content of the sample submitted. Any decision to invest should be made only after the potential investment value of the claim or deposit has been determined based on the results of assays of multiple samples of geologic materials collected by the prospective investor or by a qualified person selected by him/her and based on an evaluation of all engineering data which is available concerning any proposed project

Statement required by Nevada State Law NRS 519

Chemex Labs, Inc.

Analytical Chemists * Geochemists * Registered Assayers

994 Glendale Ave., Unit 3, Sparks
Nevada, U.S.A. 89431
PHONE: 702-356-5395 FAX: 702-355-0179

To: CAMBIOR USA, INC.

23 - 230 S. ROCK BLVD.
RENO, NEVADA
89502-2345

Project : D - SPRINGS 305
Comments: ATTN: R. MOORE

Page Number :1
Total Pages :1
Certificate Date: 28-JUL-98
Invoice No. :I9824888
P.O. Number :
Account :HNW

CERTIFICATE OF ANALYSIS A9824888

SAMPLE	PREP CODE		Ag con oz/T									
51297	244	--	454.85									

CERTIFICATION: Stewart Bichler

OVERLIMITS from A9824482

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

HOT TAMALE PEAK QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)

3750 I SE (SUPERIOR)

3850 IV SE (PINAL PEAK)

111°00′ — 33°15′ — 110°52′30″ — 33°07′30″

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on Arizona coordinate system, central and east zones
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 3 meters south and 62 meters east as shown by dashed corner ticks

UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ARIZONA
QUADRANGLE LOCATION

Revisions shown in purple compiled from aerial photographs taken 1978 and other source data. This information not field checked. Map edited 1982

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
State Route

HOT TAMALE PEAK, ARIZ.
(FORMERLY SONORA)
N3307.5--W11052.5/7.5

1964
PHOTOREVISED 1982
DMA 3850 III NW–SERIES V898

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982