KAIBITO PLA

Area of Interest.
See Marble Canyon Topos for outline.

Area being put up for sealed bid

Coconino Co.
Arizona
from PP 521-A sheet 1

Copper Mine Trading Post

Copper Mine Mission

CLIFFS

ANTICLINE

SYNCLINE

TUBA CITY

PRESTON MESA

MORMON RIDGES

Chaol

Red Mesa

BITTER SPRING FAULT

Trail

ECHO

Jc

JTrn

Tg

Trcs

Trcp

Trmos

Trmod

Trcco

Trk

Trm

Jcs

89

ALT 89

43

44

38

37

36

35 N.

9E

8E

10E

PLATE III

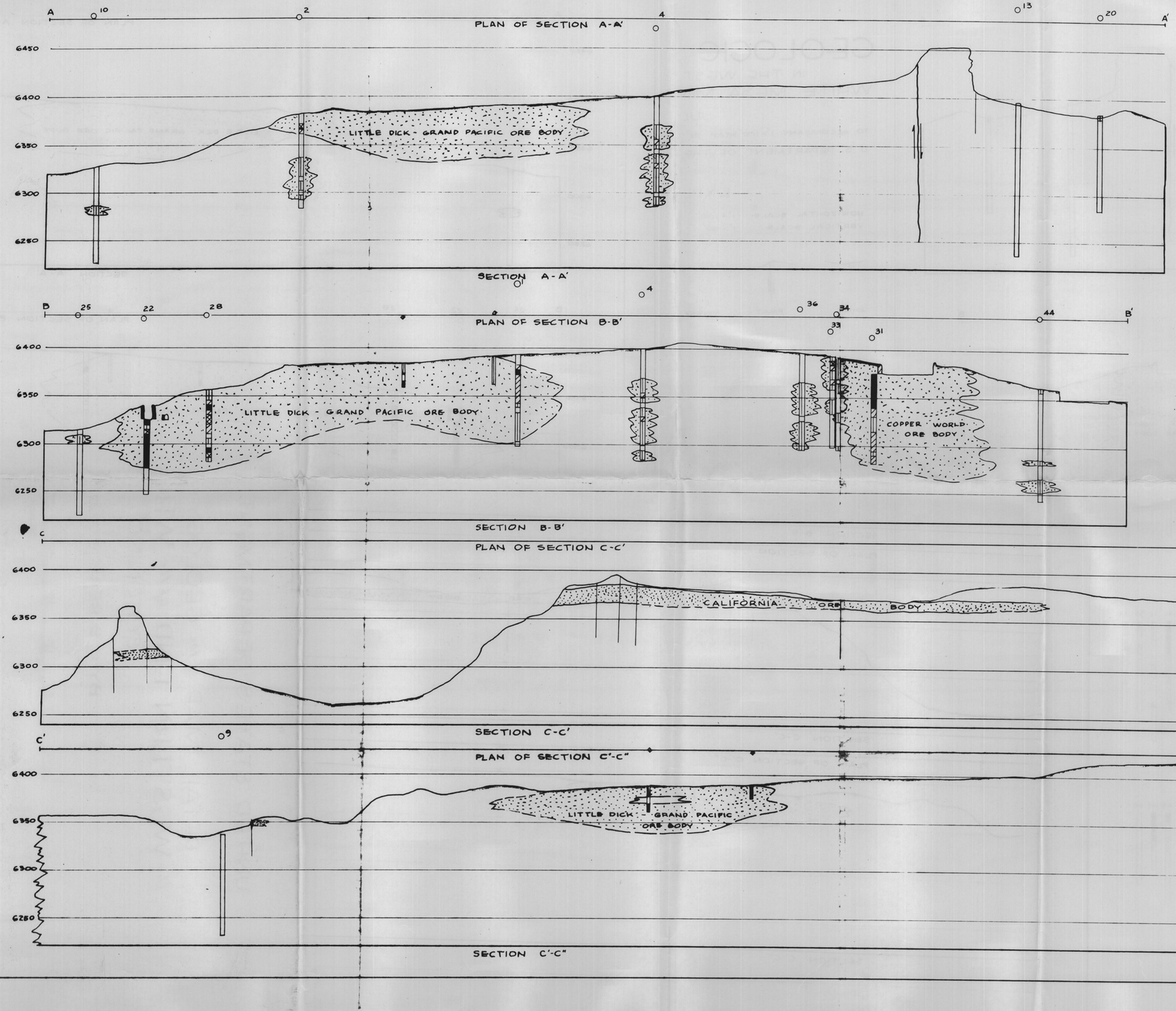
GEOLOGIC SECTIONS

IN THE WESTERN END OF THE WHITE MESA MINING DISTRICT, ARIZ.

JULY, 1943

TO ACCOMPANY 1" = 100' MAP IN REPORT BY READ, SAMPLE, & SULLWOLD

U. S. DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY



EXPLANATION

HORIZONTAL SCALE: 1" = 100'

VERTICAL SCALE: 1" = 50'

JOINT

FAULT

MINERALIZED SANDSTONE

SHAFT AND CORE HOLE ASSAYS

- COPPER > 1%
- 0.75 TO 1.0% CU.
- 0.50 TO 0.75% CU.
- 0.25 TO 0.50% CU.
- COPPER < 0.25 %

SUMMARY OF ASSAYS OF SHATTUCK-DENN CORE HOLES

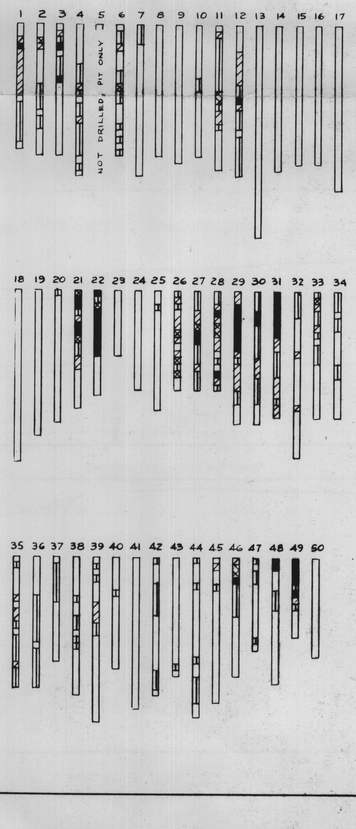
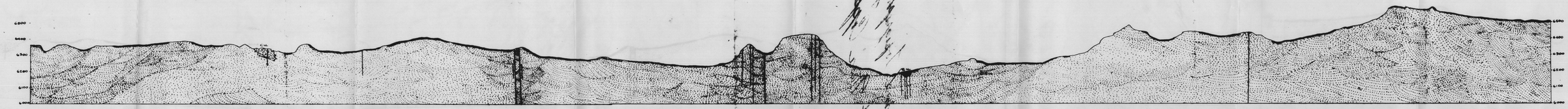
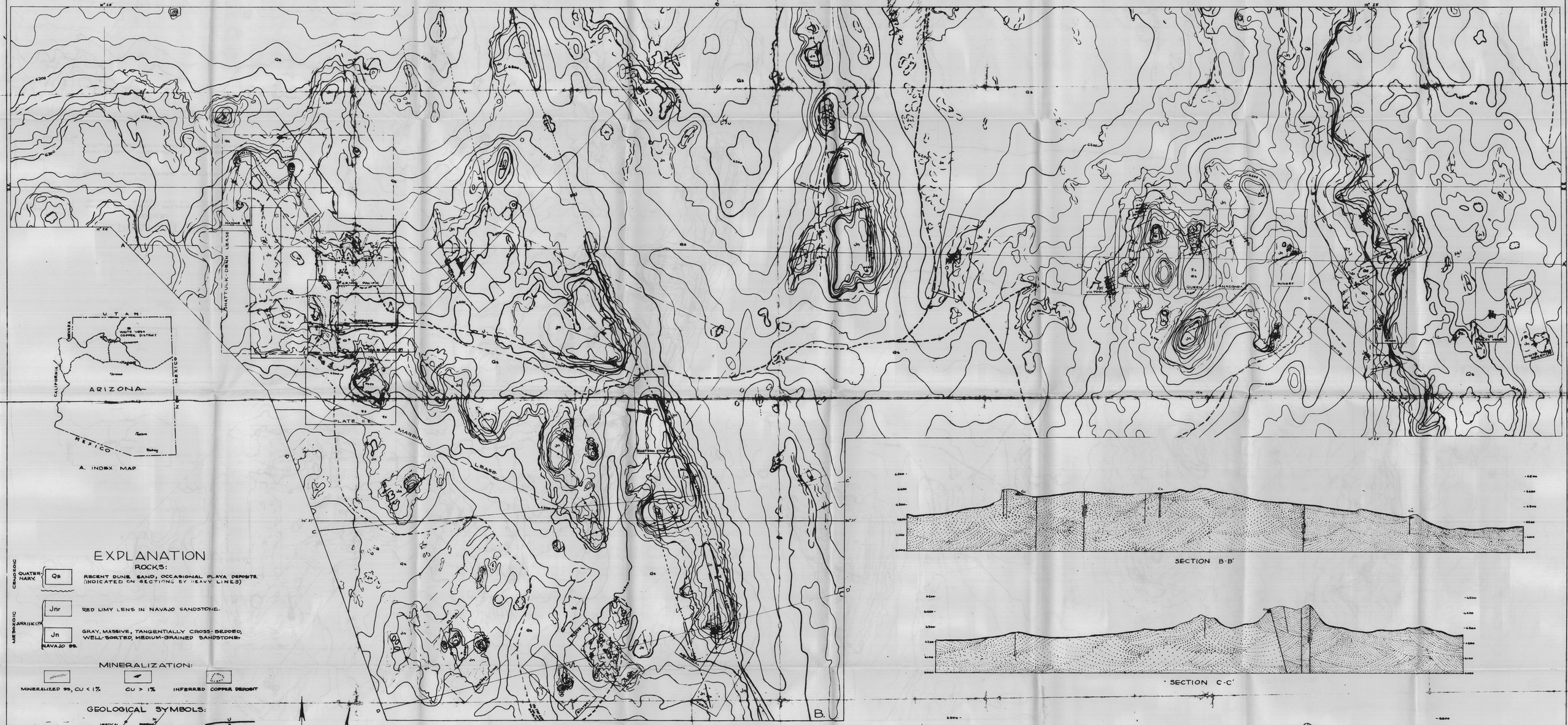


PLATE I



SECTION A-A'



EXPLANATION

ROCKS:

CENOZOIC — QUATERNARY — Qs — RECENT DUNE SAND; OCCASIONAL PLAYA DEPOSITS. (INDICATED ON SECTIONS BY HEAVY LINES)

MESOZOIC — JURASSIC (?) — Jnr — RED LIMY LENS IN NAVAJO SANDSTONE.

MESOZOIC — JURASSIC (?) — Jn — GRAY, MASSIVE, TANGENTIALLY CROSS-BEDDED, WELL-SORTED, MEDIUM-GRAINED SANDSTONE; NAVAJO SS.

MINERALIZATION:

MINERALIZED SS, CU < 1% — CU > 1% — INFERRED COPPER DEPOSIT

GEOLOGICAL SYMBOLS:

CONTACTS — MAJOR JOINT FISSURES (VERTICAL, DIPPING) — FAULT FISSURES (U, D)

WORKINGS:

ABANDONED PROSPECT: WITH ORE SHOWING — WITHOUT ORE — OPEN CUTS — ADIT

CULTURE:

CLAIMS: UNPATENTED — APPROXIMATE POSITION — PATENTED

MINING OR PROSPECTING LEASE — BOUNDARY OF DETAILED AREAS

SECONDARY ROAD — BUILDING — TRIANGULATION POINT (▲ 6387) — U.S.L.M.

UNITED STATES DEPARTMENT of the INTERIOR, GEOLOGICAL SURVEY

GEOLOGY and TOPOGRAPHY of the WHITE MESA COPPER DISTRICT

COCONINO COUNTY, ARIZONA

BY C. B. READ, R. D. SAMPLE, & H. H. SULLWOLD, JR.

0 600 1200 1800 2400 3000 3600 4200 4800 1 MILE

SCALE: 1 INCH = 600 FEET

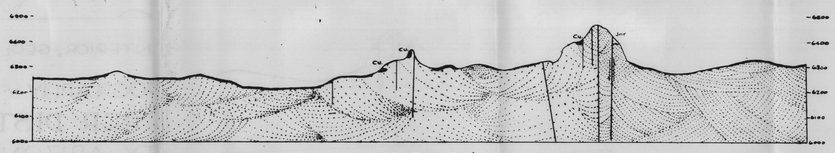
CONTOUR INTERVAL 20 FEET

DATUM APPROXIMATELY MEAN SEA LEVEL

1943

SECTION B-B'

SECTION C-C'



SECTION D-D'

GEOLOGIC SECTIONS

HORIZONTAL SCALE SAME AS MAP. VERTICAL SCALE X 3

PLATE II

A

DETAIL MAP of the GEOLOGY and TOPOGRAPHY of the

DUTCHMAN CLAIM

WHITE MESA COPPER DISTRICT, COCONINO CO., ARIZONA

(SAME SCALE & EXPLANATION AS BELOW)

B.

UNITED STATES DEPARTMENT of the INTERIOR, GEOLOGICAL SURVEY

DETAIL MAP of the GEOLOGY and TOPOGRAPHY of a PORTION of the WESTERN END of the WHITE MESA COPPER DISTRICT

COCONINO COUNTY, ARIZONA

BY C. B. READ & H.H. SULLWOLD, JR., MAY, 1943

0 100 200 300 400 500 600 700 800 900 1000

SCALE: 1 INCH = 100 FEET

CONTOUR INTERVAL 10 FEET

DATUM APPROXIMATELY MEAN SEA LEVEL

EXPLANATION

ROCKS:

CENOZOIC — QUATERNARY — Qs — RECENT DUNE SAND, OCCASIONAL PLAYA DEPOSITS.

MESOZOIC — JURASSIC(?) — Jn — NAVAJO SS. — GRAY, MASSIVE, TARGENTIALLY CROSS-BEDDED, WELL SORTED, MEDIUM GRAINED SANDSTONE.

MINERALIZATION:

MINERALIZED SS, CU < 1% — CU > 1% — INFERRED COPPER DEPOSIT

GEOLOGICAL SYMBOLS:

CONTACTS — MAJOR JOINT FISSURES (VERTICAL, INCLINED 70°) — FAULT FISSURES (U/D)

WORKINGS:

ABANDONED SHAFT: A WITH ORE, B WITHOUT ORE

ABANDONED PROSPECT: A WITH ORE, B WITHOUT ORE

OPEN CUTS — ADIT — DUMP

DRILL HOLE (SHOWING NUMBER, TOTAL DEPTH, & FOOTAGE CU. MIN.) e.g. 44 TD 125 F-60 0.90%

CULTURE:

DICK (P) CLAIM (P = PATENTED) — LEASE BOUNDARY (MINING OR PROSPECTING) — ROAD (SECONDARY) — BUILDINGS — U.S.L.M.

SHATTUCK-DENN LEASE — MARDUN LEASE (EXCEPT CLAIMS) — EVAPORATING PITS — TRADING POST — OLD PORT HILL — TAILINGS

NANNIE E. — CALIFORNIA — THE ELI — DUTCHMAN — LITTLE DICK — GRAND PACIFIC — GOPHER — COPPER WORLD — IDA M. SMYTH — COPPER HILL