

MAP 0296A

Thousands of fossil shark teeth have been found at Sharktooth Hill. They are found in several different layers of the Miocene rocks representing an age roughly equivalent to from 15 to 30 million years ago. Nearly fifty distinct species of sharks and rays are known from these sediments. The largest teeth are from *Carcharodon*, a shark that reached a length of over sixty feet. Specimens of this type are rare. Most common are the teeth of *Isurus*, three-inch specimens are found but most are one to two inches long. Also found with the shark teeth are the fossilized remains of clams, oysters, snails, sea urchins, bony fishes, seals, sea lions, sea cows, porpoises, whales, turtles and other marine animals.

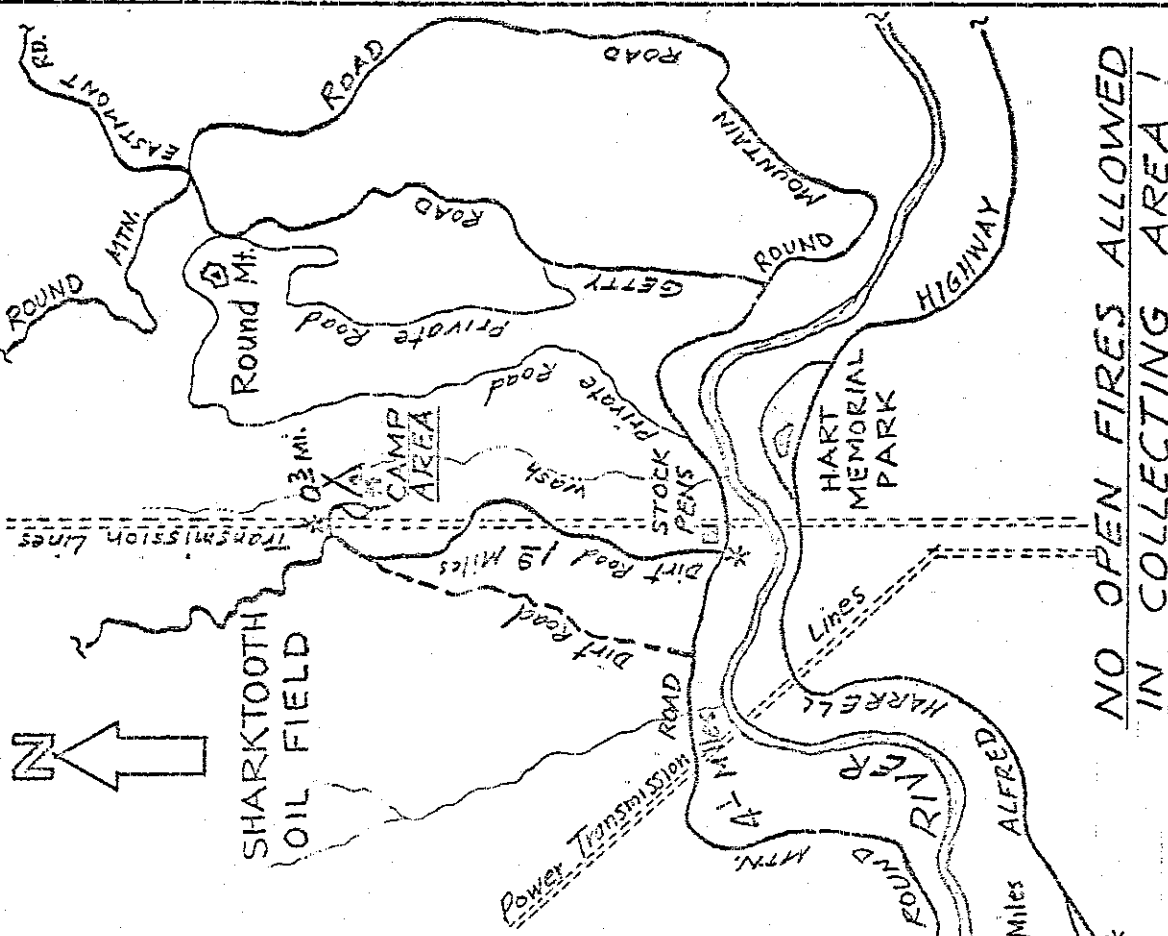
NOT TO SCALE

SHARKTOOTH HILL

MONROVIA, CALIFORNIA

© 1970 BY RICHARD W. BROWN, INC.

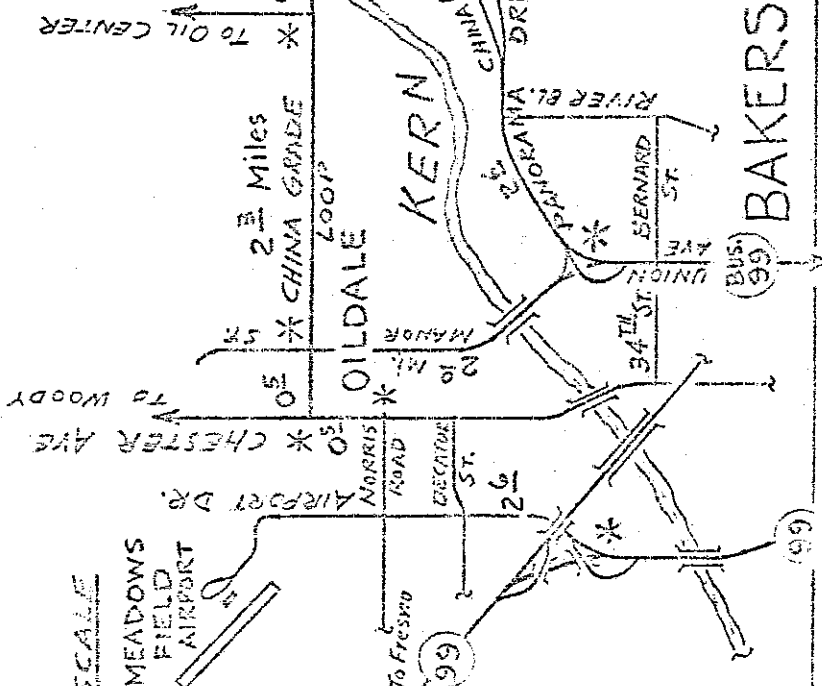
REVISED FEB. 17/8, 1970



**NO OPEN FIRES ALLOWED
IN COLLECTING AREA!**

NOTES: The Camp Area is approximately 140 miles from Monrovia. Roads are okay for stock cars and trailers. Elevation of Camp Area is approx. 900 feet. Bring water. A tray screen about 14" x 24" with 1/4" mesh hardware cloth (1/8" for small teeth) is suggested. Also, a sharp pick & a shovel.

BAKERSFIELD



TO LOS ANGELES

SHARK TOOTH HILL

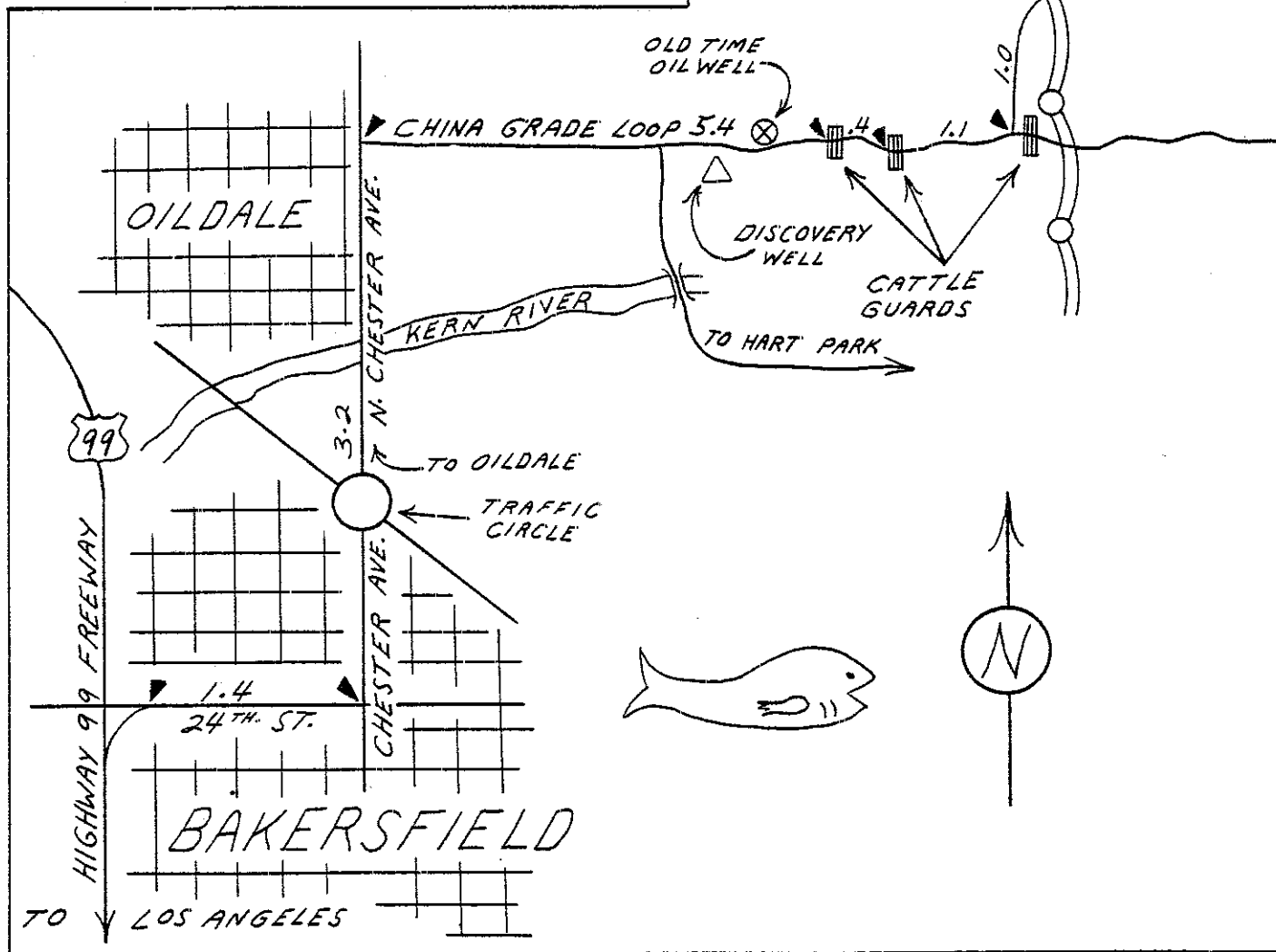
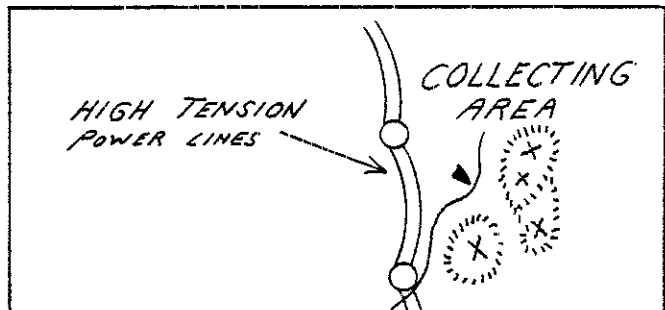
TYPE OF MATERIAL FOUND 1) Petrified Sharks Teeth, 2) Fossils,
3) Poor grade bone

DESCRIPTION OF MATERIAL

1) Shark teeth ranging in size from tiny quarter inchers up to teeth measuring 4" x 5". The roots of the teeth are sandy white and the teeth a mottled white.

2) During the early excavations of this area, segments of shark vertebrae were uncovered. At times, you can find small bone fragments and fossilized sea shells in the strata along with the teeth.

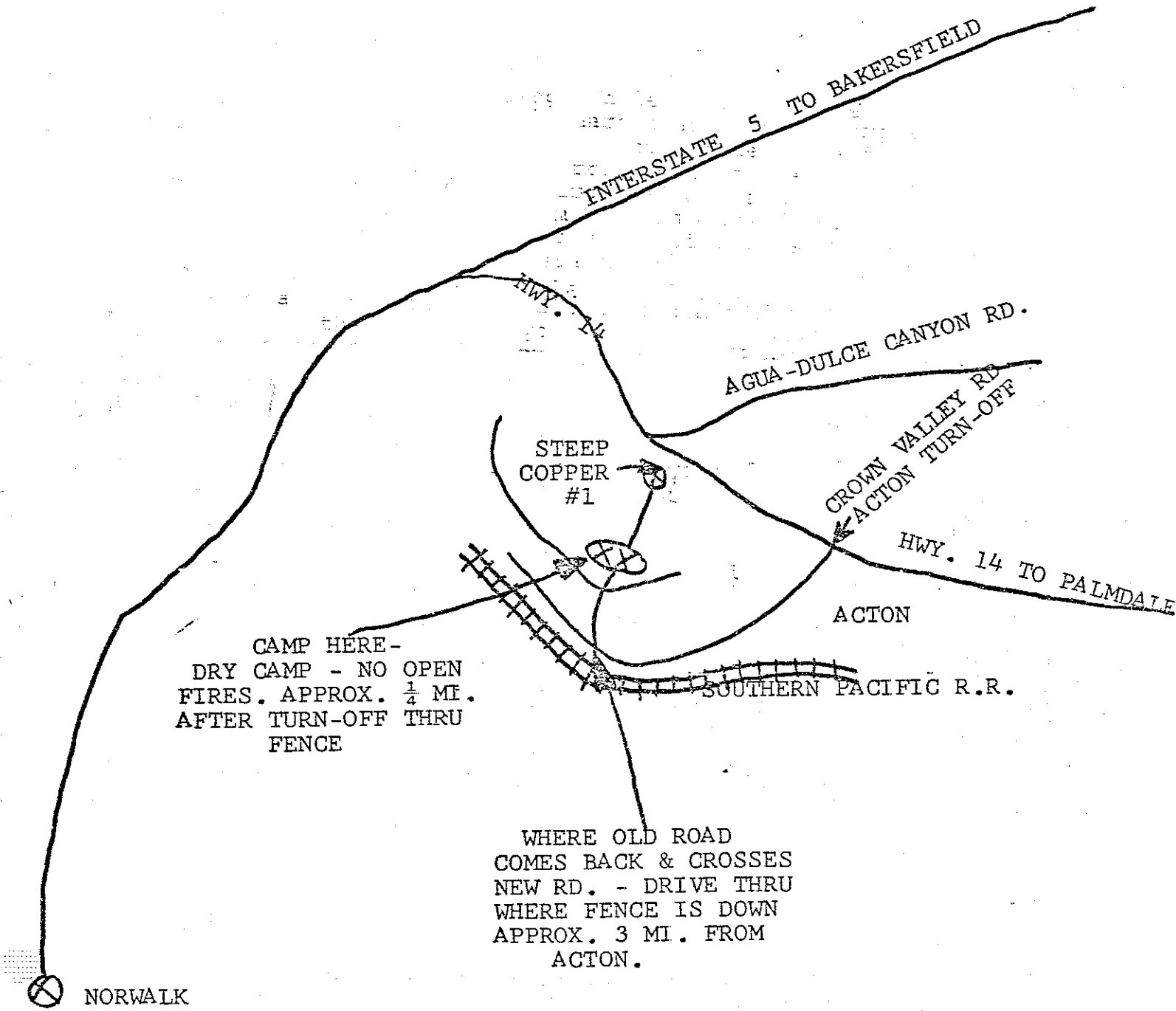
EQUIPMENT NEEDED Rock pick, small chisels. A $\frac{1}{4}$ " screen and shovel can be used to sift dirt other people have dug out. In this way you can often retrieve sharks teeth others missed when digging.



FIELD TRIP FOR MAY 18-19

This trip is by invitation of Mr. Duke Hayes, speaker at the April general meeting. This is at Steep Copper Mine #1. This is a copper mine, and minerals usually associated with copper are malachite, azurite, chrysocolla and turquoise. Mr. Hayes had some excellent samples at the meeting. This should be a very interesting trip. The distance is approximately 70 miles from Norwalk.

Sherman Morgan,
Field Trip Chair.

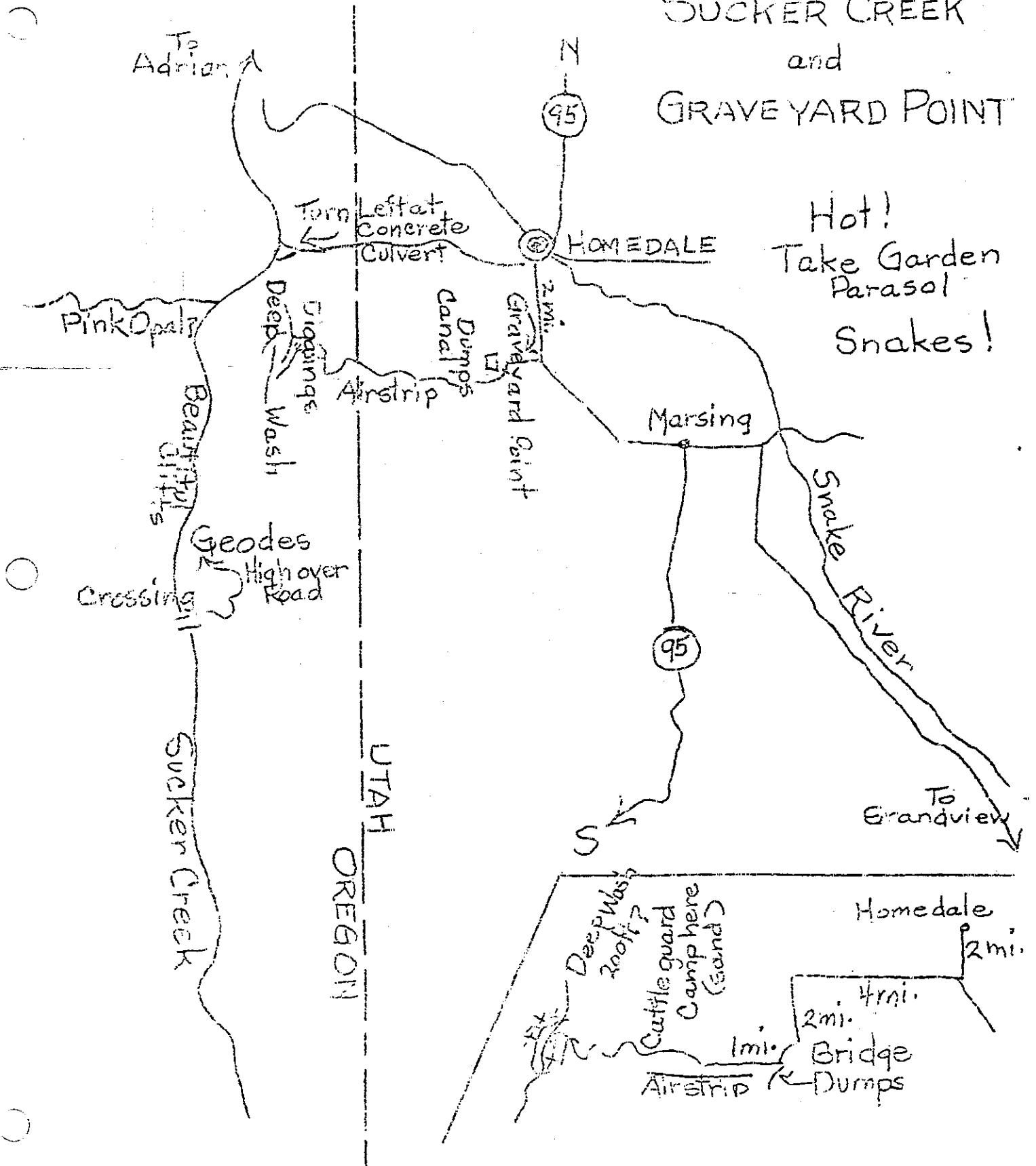


MAP 0304 A

PLUME AGATE

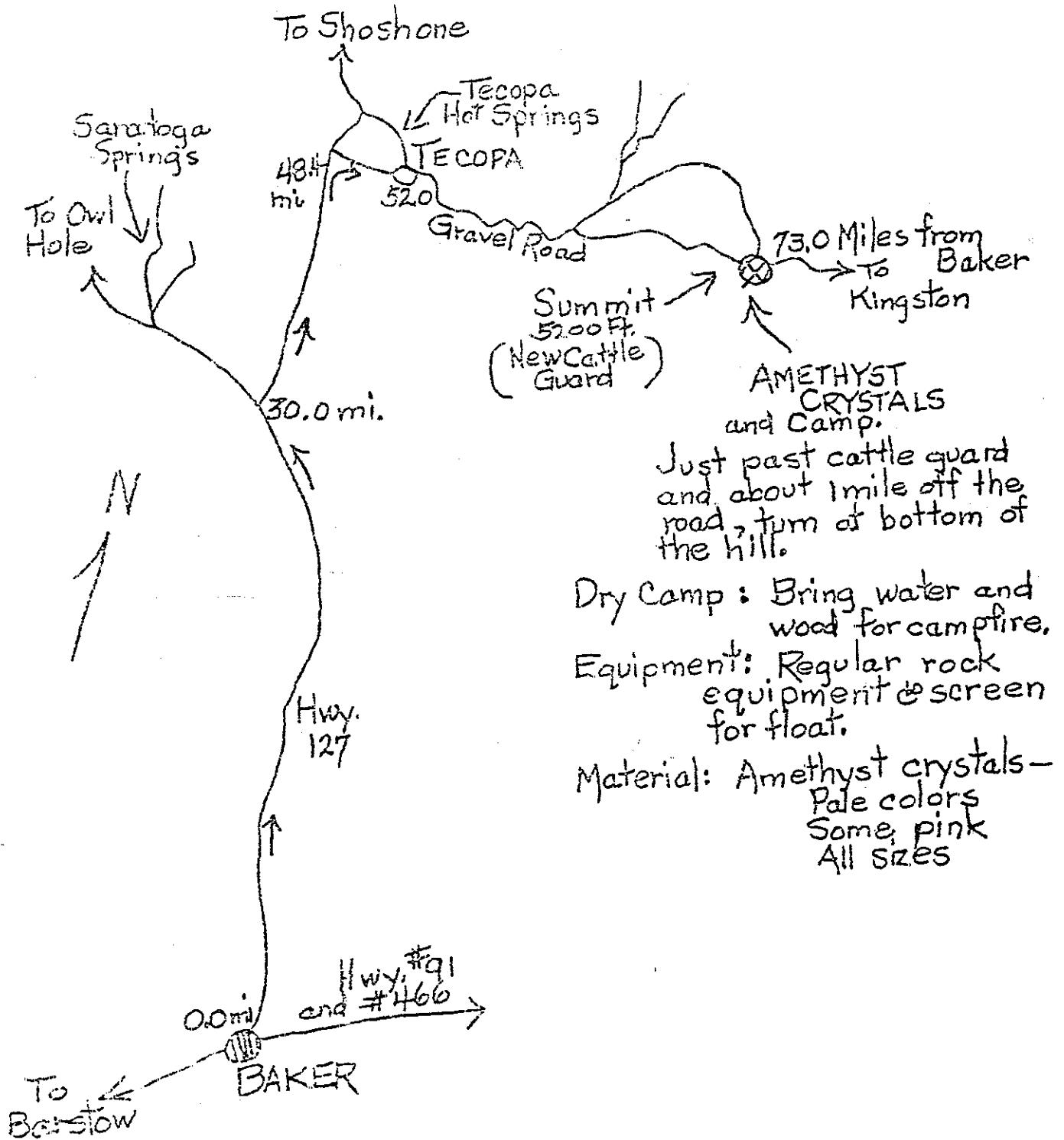
SUCKER CREEK and GRAVEYARD POINT

Hot!
Take Garden
Parasol
Snakes!

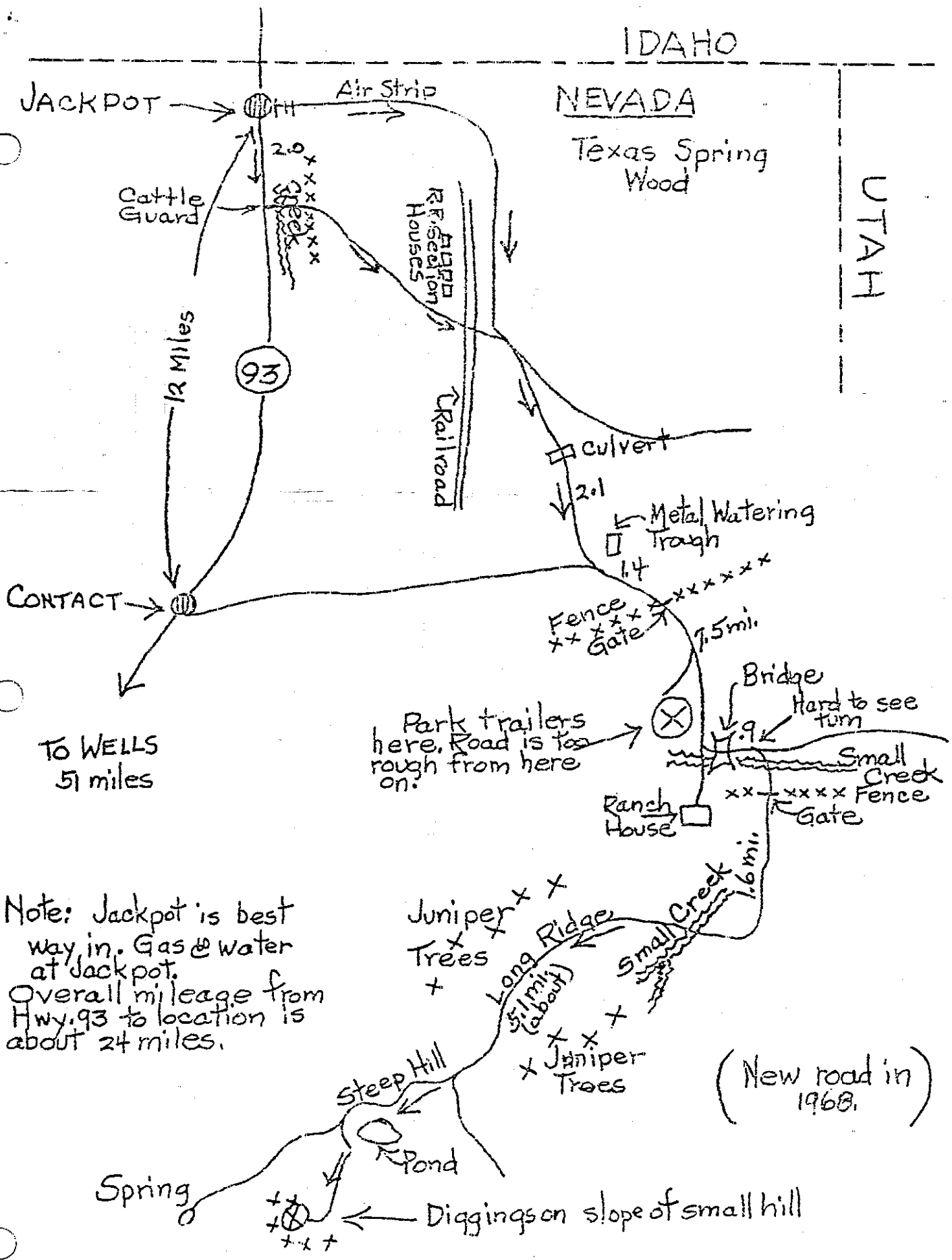


MAP 0307A

QUARTZ CRYSTALS - AMETHYST

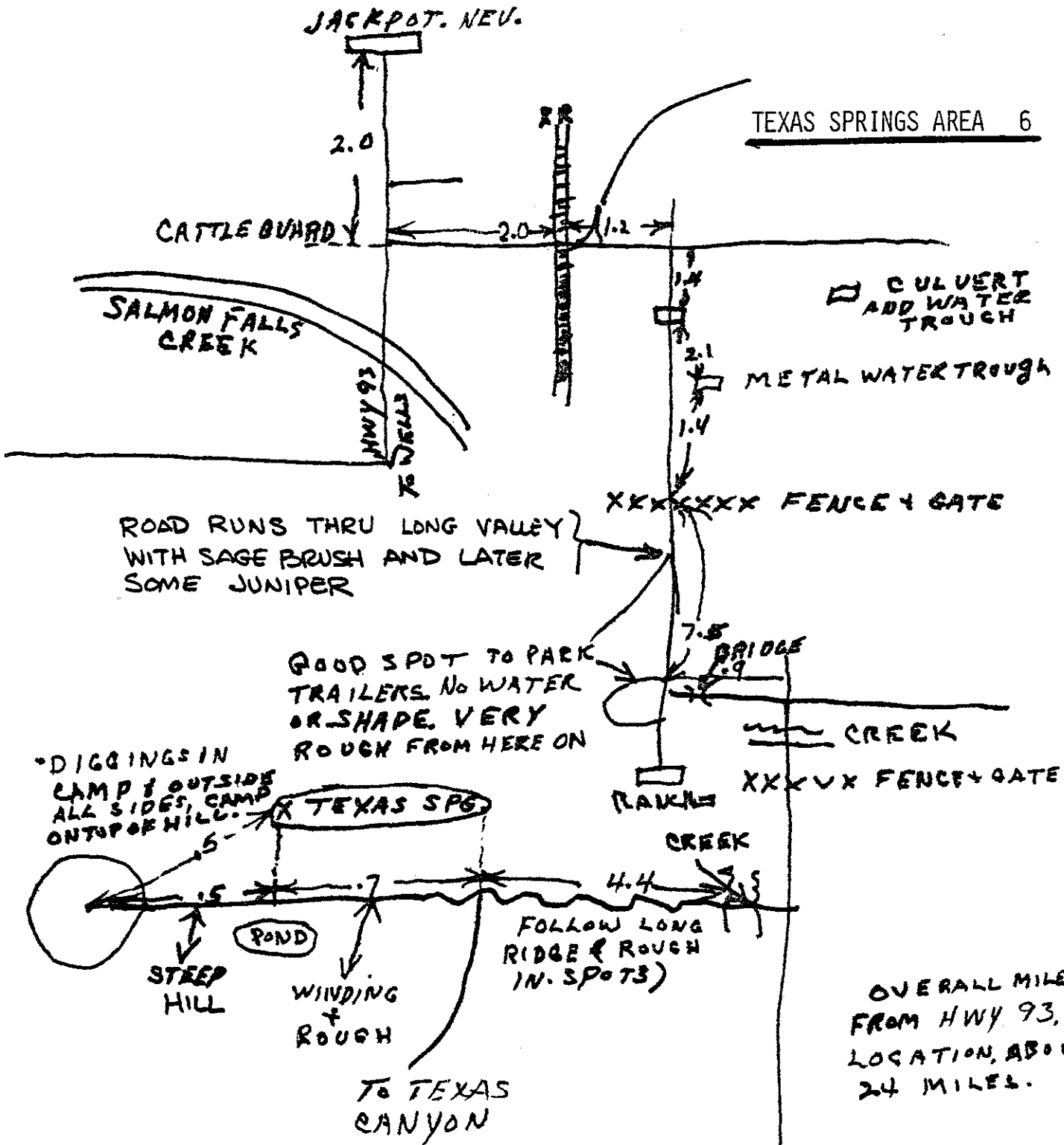


MAP 0310 A



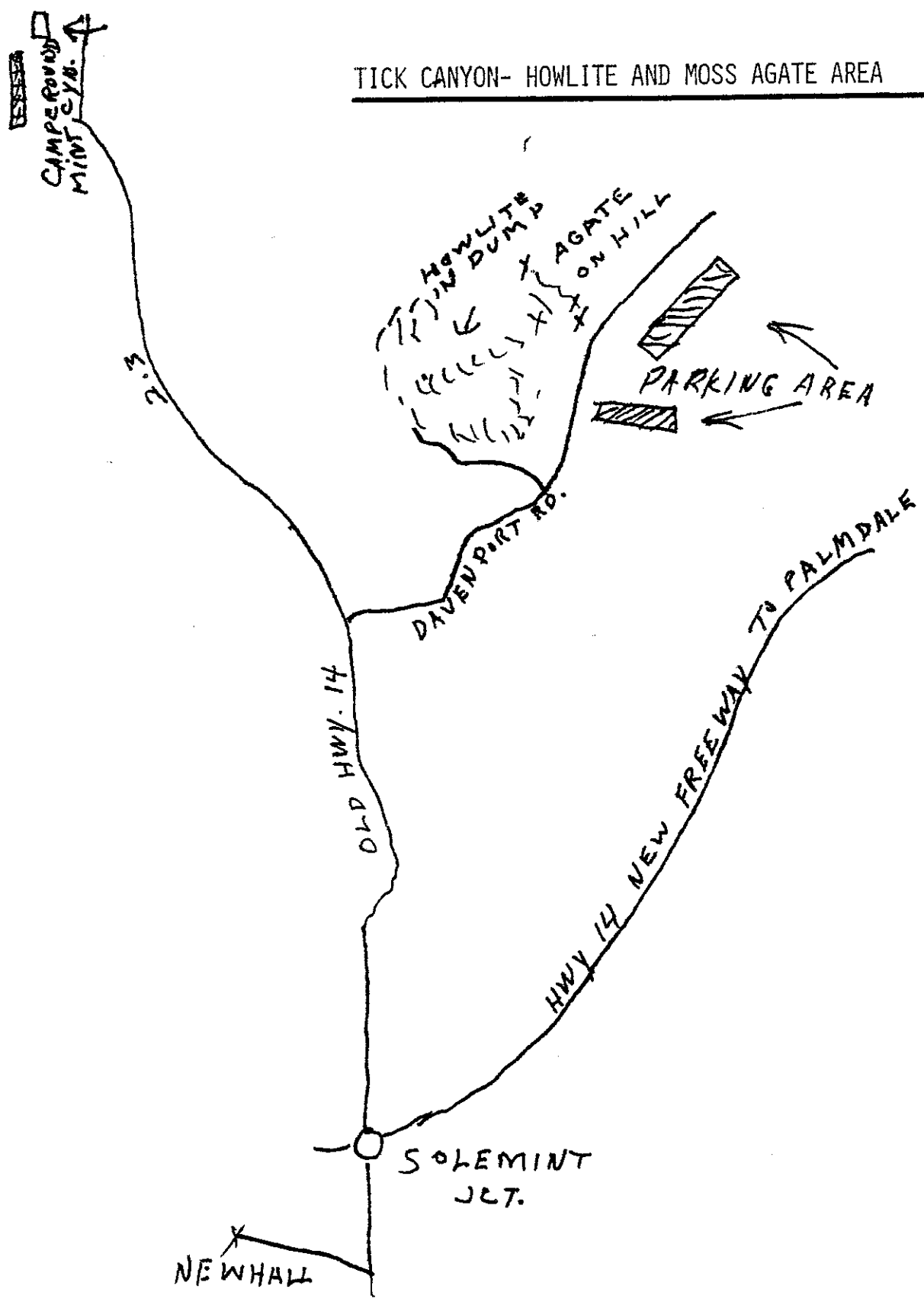
Note: Jackpot is best way in. Gas @ water at Jackpot.
 Overall mileage from Hwy. 93 to location is about 24 miles.

MAP 0313A

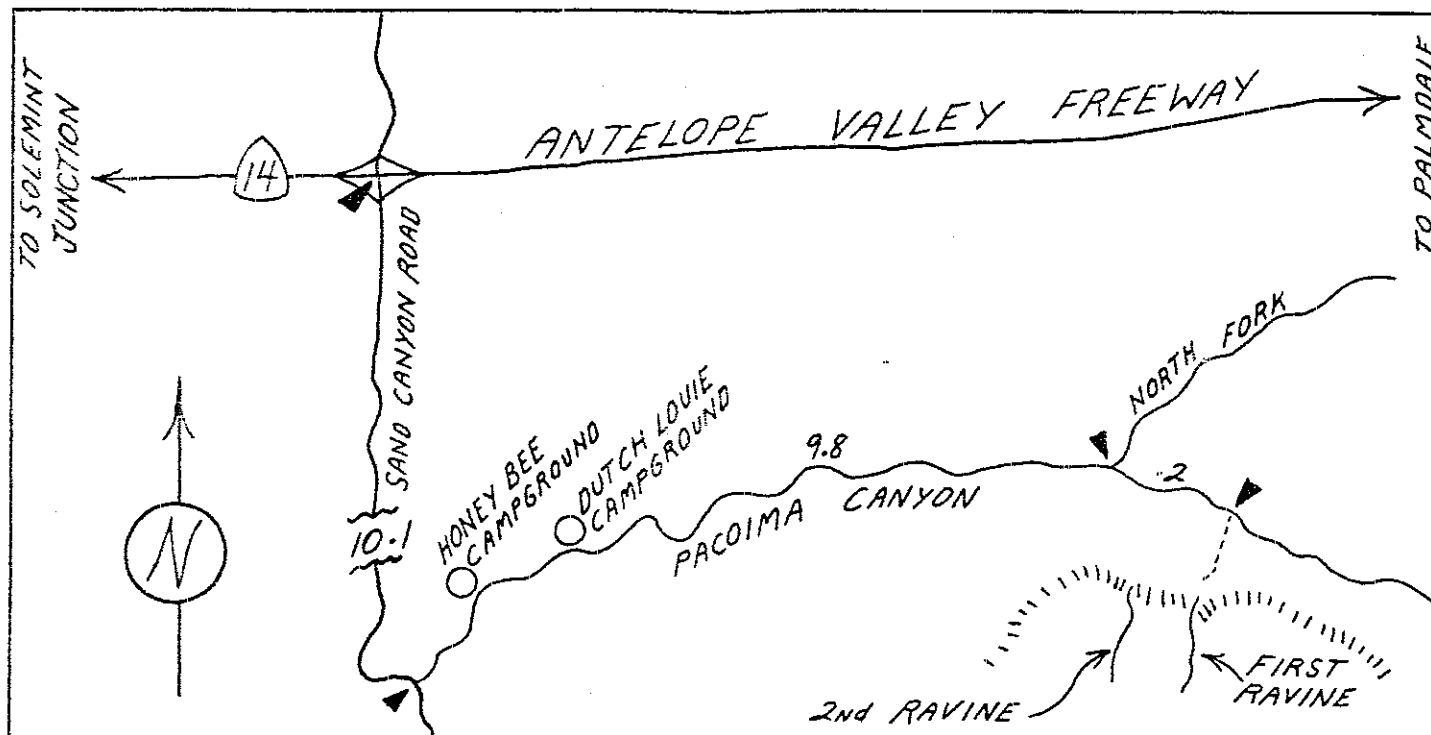


OVERALL MILEAGE FROM HWY 93, TO LOCATION, ABOUT 24 MILES.

STAY ON MOST TRAVELLED ROAD AND GENERALLY TAKE RIGHT TURNS AFTER LEAVING RANCH HOUSE AREA. ROAD TO RANCH NOT TOO ROUGH, BUT IS VERY DUSTY AT TIMES



PACOIMA CANYON PEGMATITE — CONTINUED



TICK CANYON HOWLITE

Howlite is a borate mineral and occurred here along with an extensive deposit of borax and colemanite. The Sterling and Pacific Coast Borax companies mined the borax and colemanite from 1908 to 1922 and are said to have recovered over \$3,000,000 worth of material. The Howlite was of no use to the miners and so was thrown aside as waste.

TYPE OF MATERIAL FOUND 1) Howlite, 2) Agate

DESCRIPTION OF MATERIAL

1) Howlite. Creamy white in color, sometimes with gray-black veins which give this gemstone its very showy appearance. Occurs as gray nodules or masses looking very much like a head of cauliflower. A piece chipped off the gray exterior will reveal the white interior. Of course, the material with the lined pattern in the white is the most desirable. Small nodules can be picked up on the dumps. It is necessary to dig in the dumps to uncover the larger pieces. Takes a good polish. Makes striking cabs, pen bases, bookends, and is soft enough to carve.

MAP 0317B

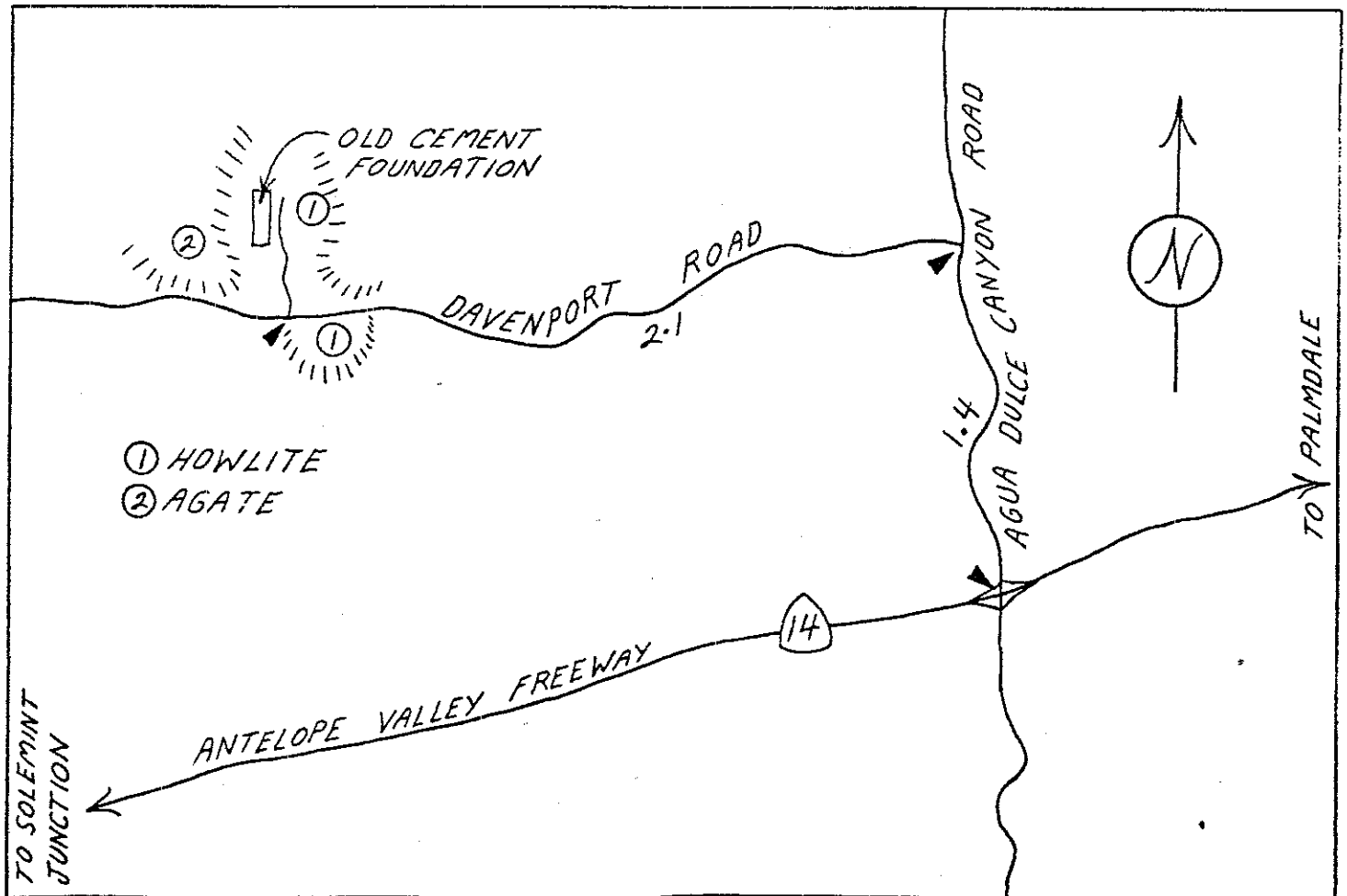
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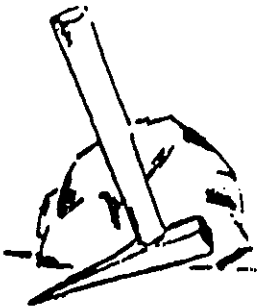
TICK CANYON HOWLITE ~ CONTINUED

2) Agate. Good grade of agate, some with green and red moss occurs in veins on the slopes of the hill to the west side of Tick Canyon.

EQUIPMENT NEEDED Rock pick and shovel for digging in the mine dumps. Heavy digging tools and chisels if you plan to dig in the agate veins.

HOW TO GET THERE From Solemint Junction proceed northbound on Antelope Valley Freeway. Exit at Agua Dulce Canyon Road offramp, turn left and proceed up Agua Dulce Canyon 1.4 miles. Turn left onto paved Davenport Road and go 2.1 miles to Tick Canyon. As you approach, you'll note the pink cast to the hills and the dark gray mine dumps on each side of the road. Looking up into the mouth of Tick Canyon, you'll have no trouble identifying it, as it is a singularly distinctive canyon set apart by an awesome play of colors on the canyon walls. A poor dirt road goes into the canyon a short way, but it is best to park along the highway and walk in. The Howlite is found throughout the gray mine dumps opposite the cement foundations of the old Borax mining operation.

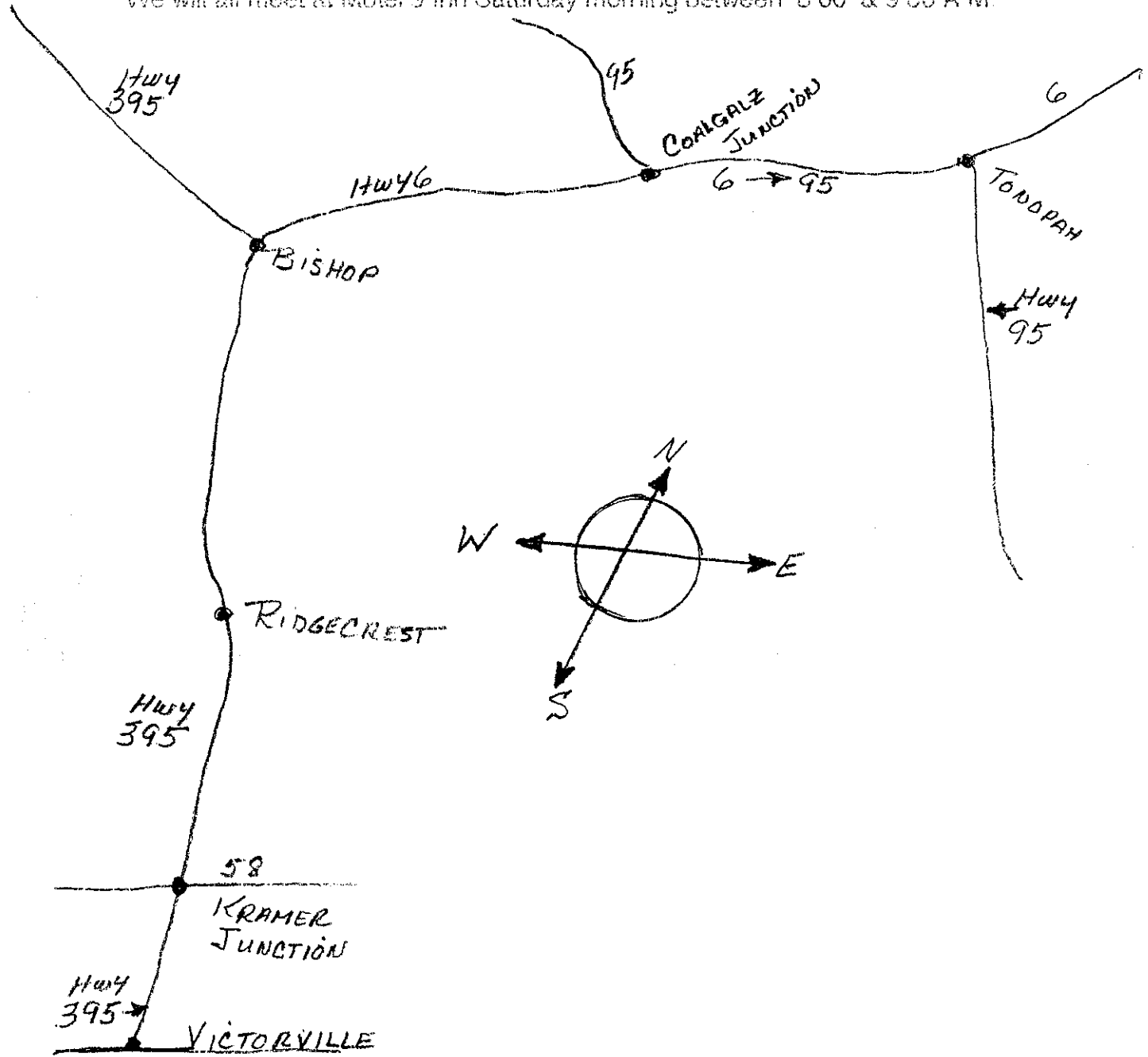




VICTOR VALLEY GEM & MINERAL CLUB

15056 - B 7th STREET • VICTORVILLE, CA 92392-3811 • (760) 243-2330

FIELD TRIP TO TONOPAH, NEVADA May 21, 22, 23 2004
We will all meet at Motel 9 Inn Saturday morning between 8:00 & 9:00 A.M.



KEEP THE WAGON MASTER INFORMED LET HIM KNOW IF YOU LEAVE BEFORE HE LEADS YOU OUT. KEEP WITH IN EYESIGHT OF THE OTHERS IN THE GROUP. You must sign the roster and the waiver before we leave for the mine. The cost of the Motel is \$29.50 Plus tax per night and \$35.00 to get into the mine.

MAP 0318A

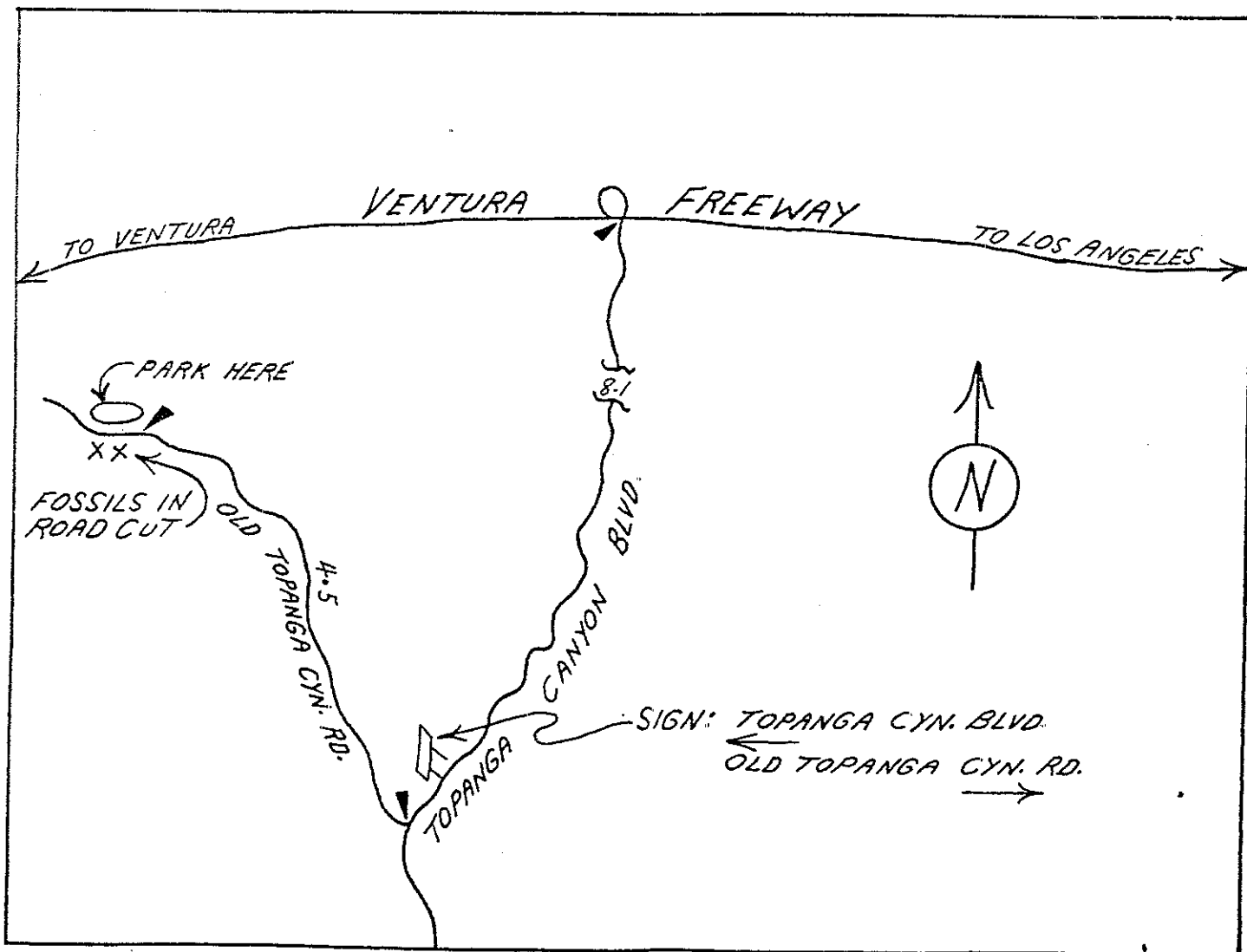
TOPANGA CANYON FOSSILS

TYPE OF MATERIAL FOUND 1) Fossilized clam shells and various other types of marine life fossils.

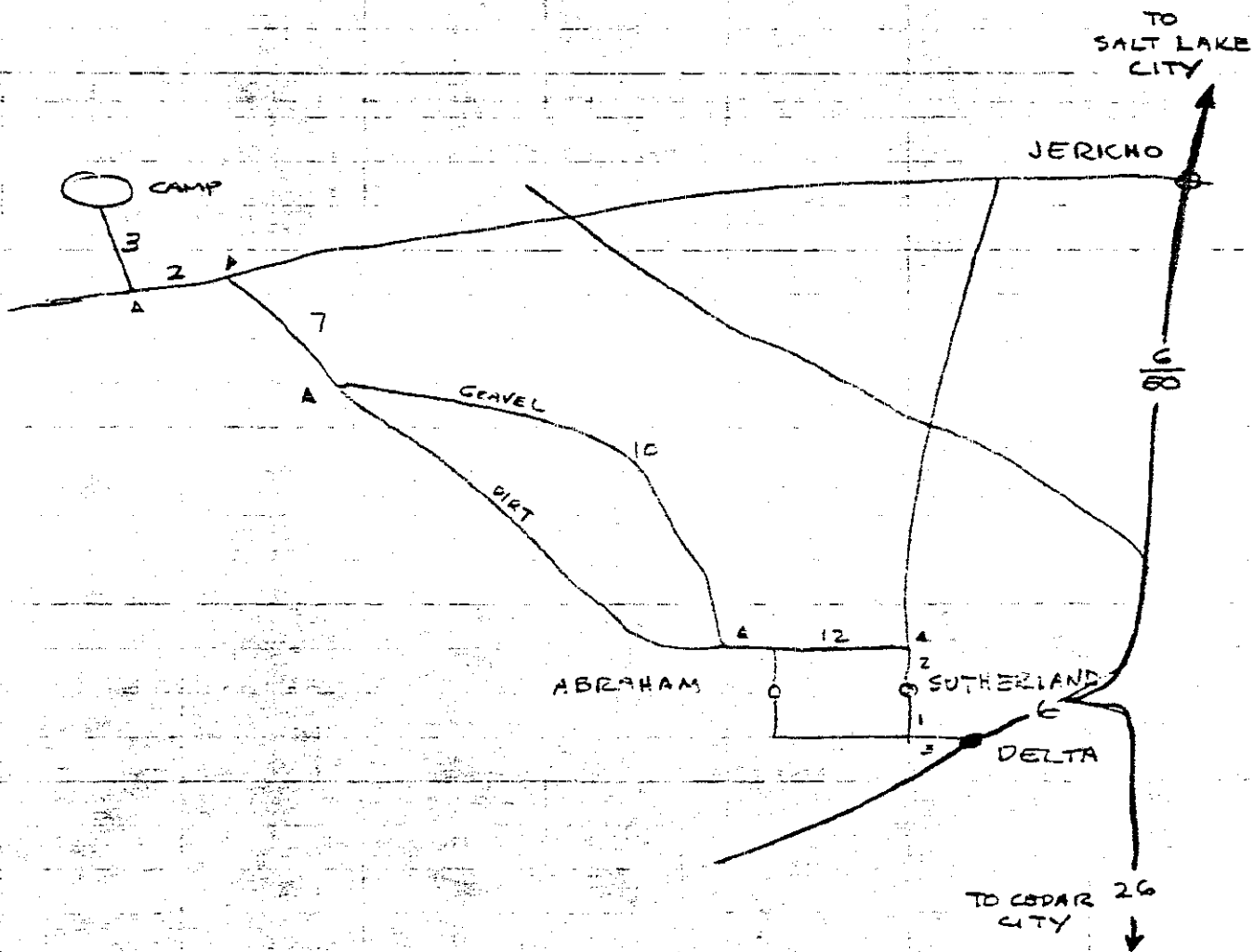
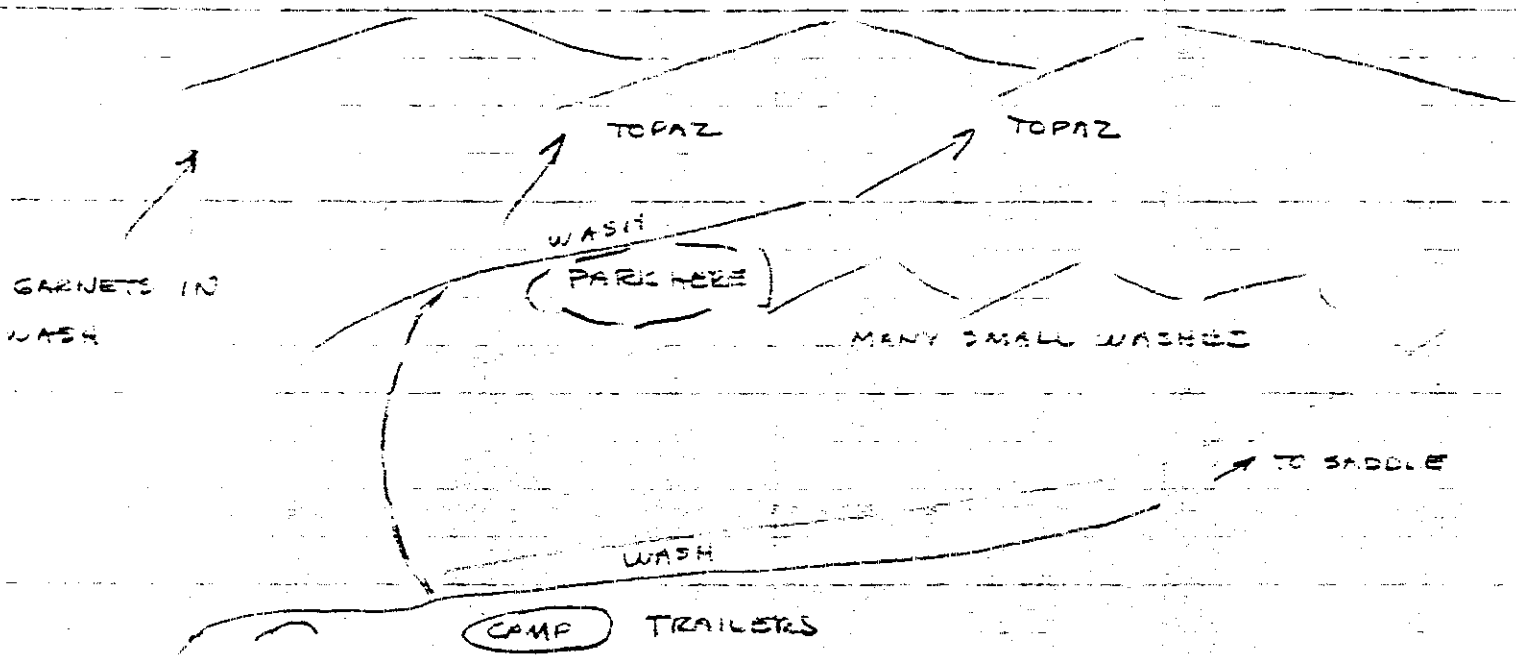
DESCRIPTION OF MATERIAL Good fossilized clam shells. The other fossils are of varying quality, from good fossilization to material that crumbles at the slightest touch.

EQUIPMENT NEEDED Rock pick, small hammer, small picks or chisels.

HOW TO GET THERE Take Ventura Freeway westbound and exit on Topanga Canyon Blvd. South. Follow Topanga Canyon Blvd. 8.1 miles, then turn right onto Old Topanga Canyon Road. Continue on 4.5 miles. Park on wide turnout on right side of road. From the parking area you can see the cliffs to the left where there are numerous pock marks left from the removal of the fossilized clams. There are still many clams in this cliff that can be retrieved. The adjacent cliffs also contain varied types of fossils.

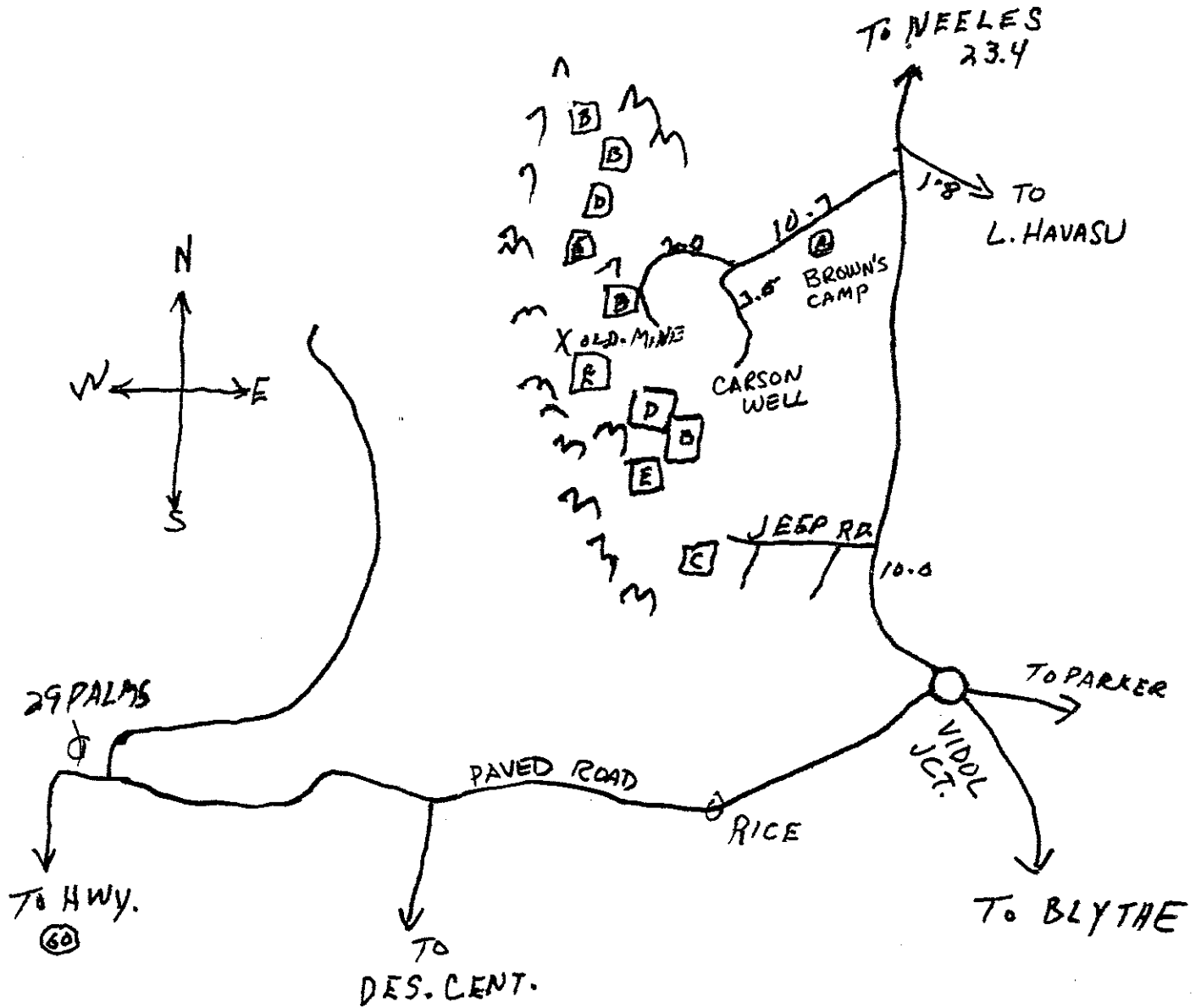


MAP 0320A

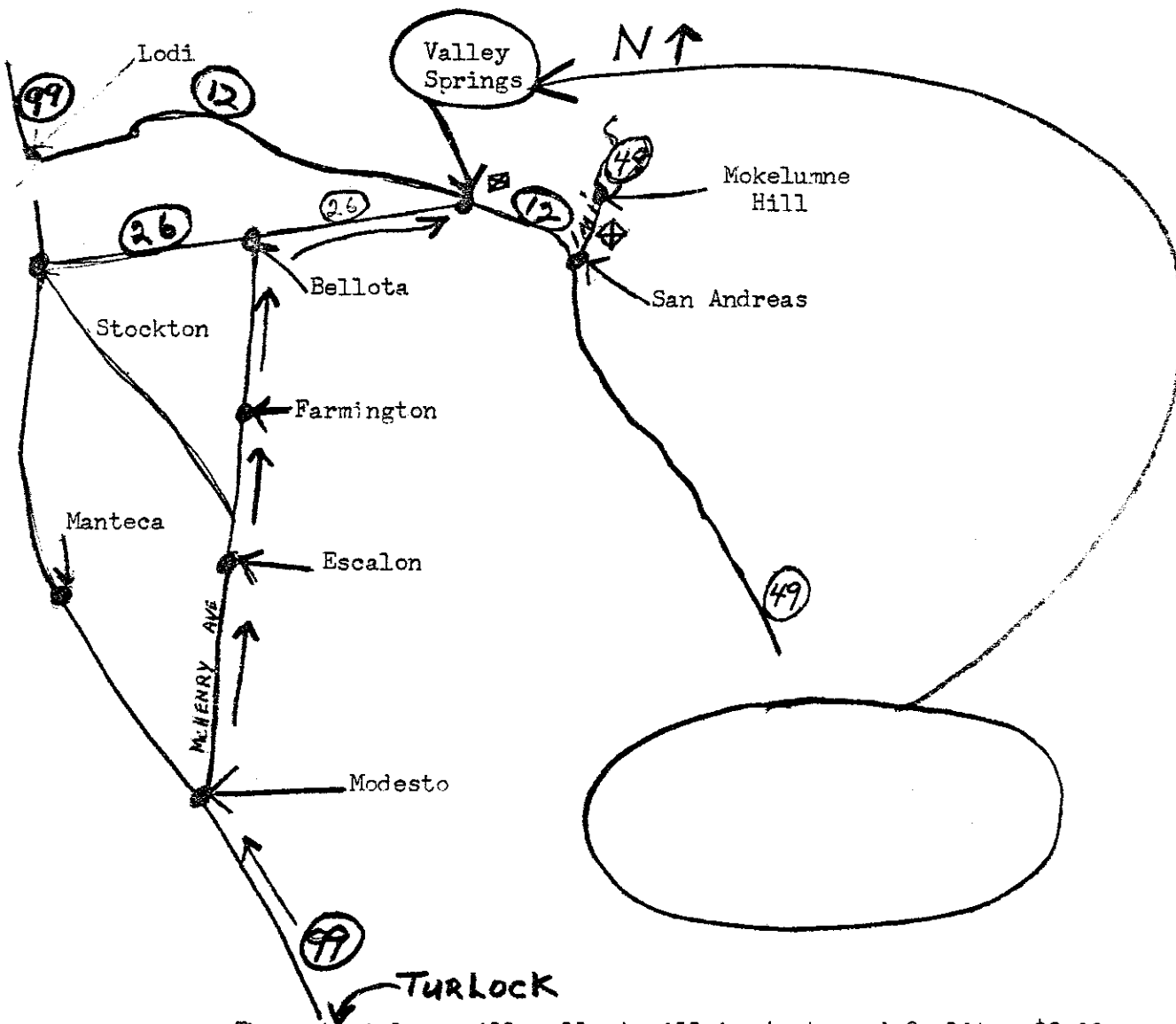


TOPAZ MT. UTAH

MAP 0324A



- A- LAVENDER ROSES
- B- CHALCEDONY ROSES
- C- LARGE PINK ROSES
- D- FORTIFICATION AGATE
- E- BACON . AGATE



The material we will collect will be Agate and Opalite - \$3.00 per day per person whether you collect or not and Polka Dot Serpentine - no charge. The Serpentine will cab but is best for carving and book ends.

Heavy tools such as bars, sledge hammers, picks, gads, and shovels needed. Bring gloves and safety glasses for your own protection.

Do not pick up rocks along public highways. This is strictly forbidden and violators are subject to arrest. All field trips are on private property. Respect the rights of others. Do not go through fences or trespass.

Help us keep this area clean. Do not litter.

Stores and restaurants are available in the area but it is advisable to take along some water.

Don Luker
Field Trip Chairman

MAP 0331A

VICTORVILLE BLACK JADE

TYPE OF MATERIAL FOUND 1) Black Jade with Magnetite,
2) Verd Antique Marble, 3) Spectacular Hematite

DESCRIPTION OF MATERIAL

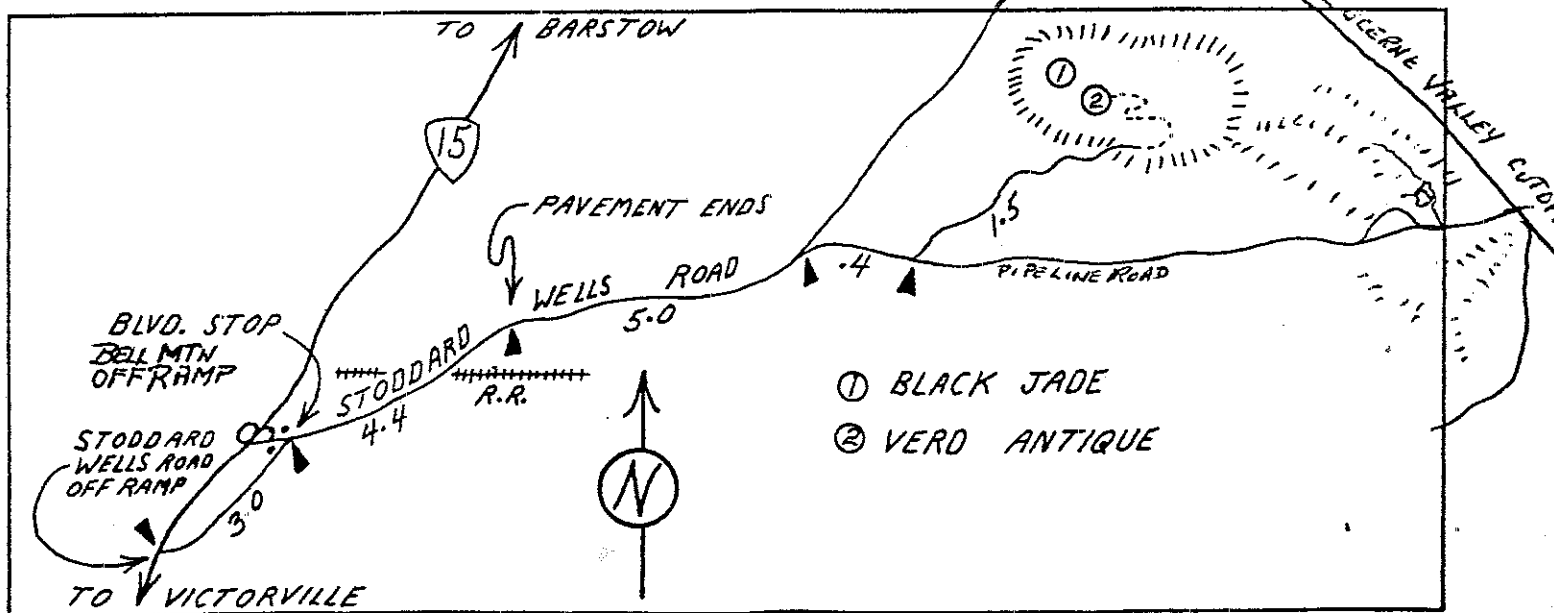
1) Black Jade. This jade is a very dark green or black in color with magnetite inclusions. After polishing, the magnetite can be gold plated and thus makes striking pieces. You should be selective in the rough chunks you take, as some is so saturated with magnetite, there is no contrast between it and the jade. Takes good polish and is suitable for all types of lapidary work.

2) Verd Antique Marble. Colors ranging from yellow to yellow-green and chartreuse green. Takes an excellent polish. Large pieces suitable for bookends, spheres, pen bases and cabs.

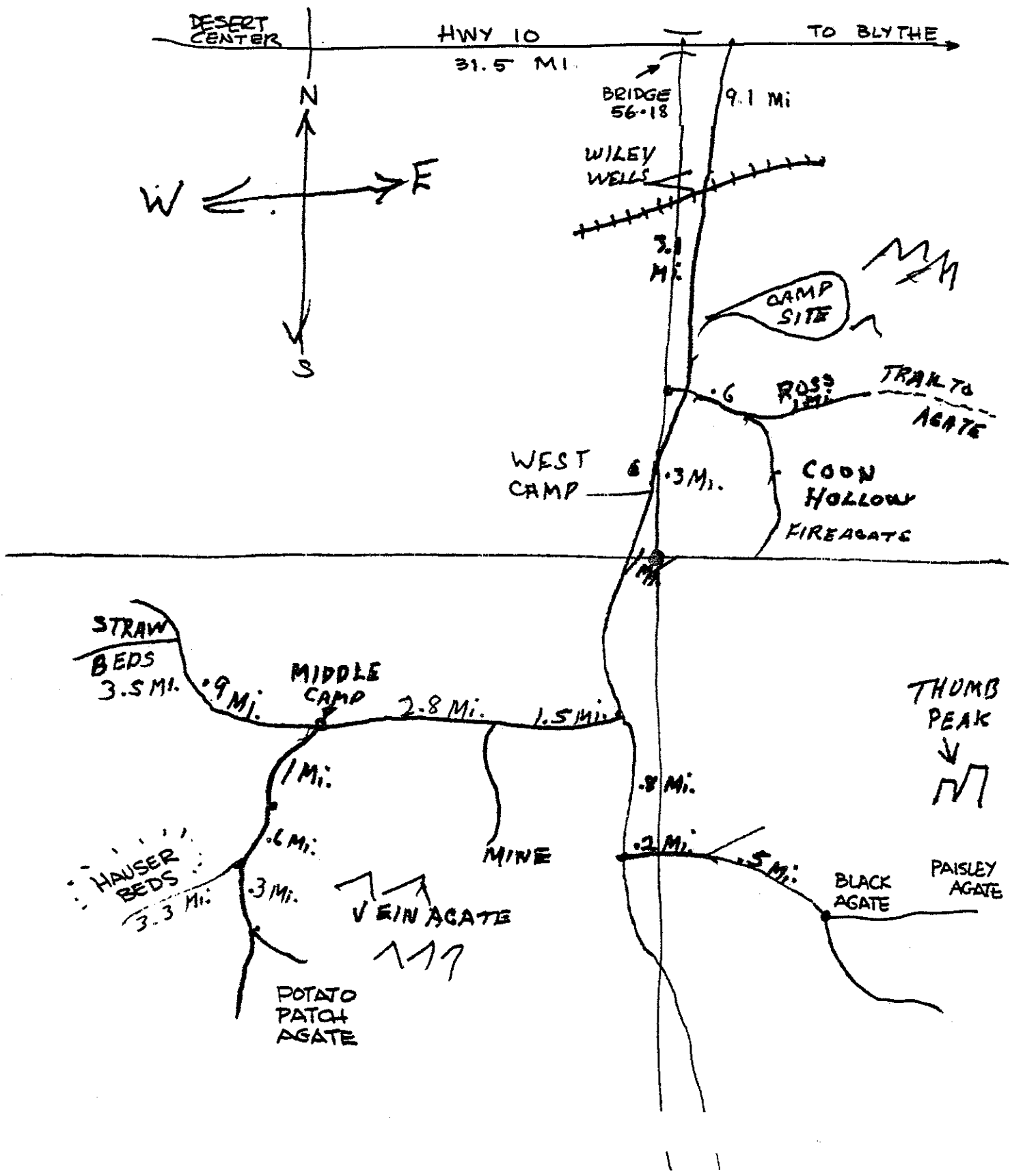
3) Spectacular Hematite. Occurs in a greenish matrix as black platelets with a metallic luster. Shows a reddish brown streak on streak plate. Good specimen material can be found on hill below the verd antique quarry.

EQUIPMENT NEEDED Rock pick. Heavy tools if you plan to dig in verd antique quarry.

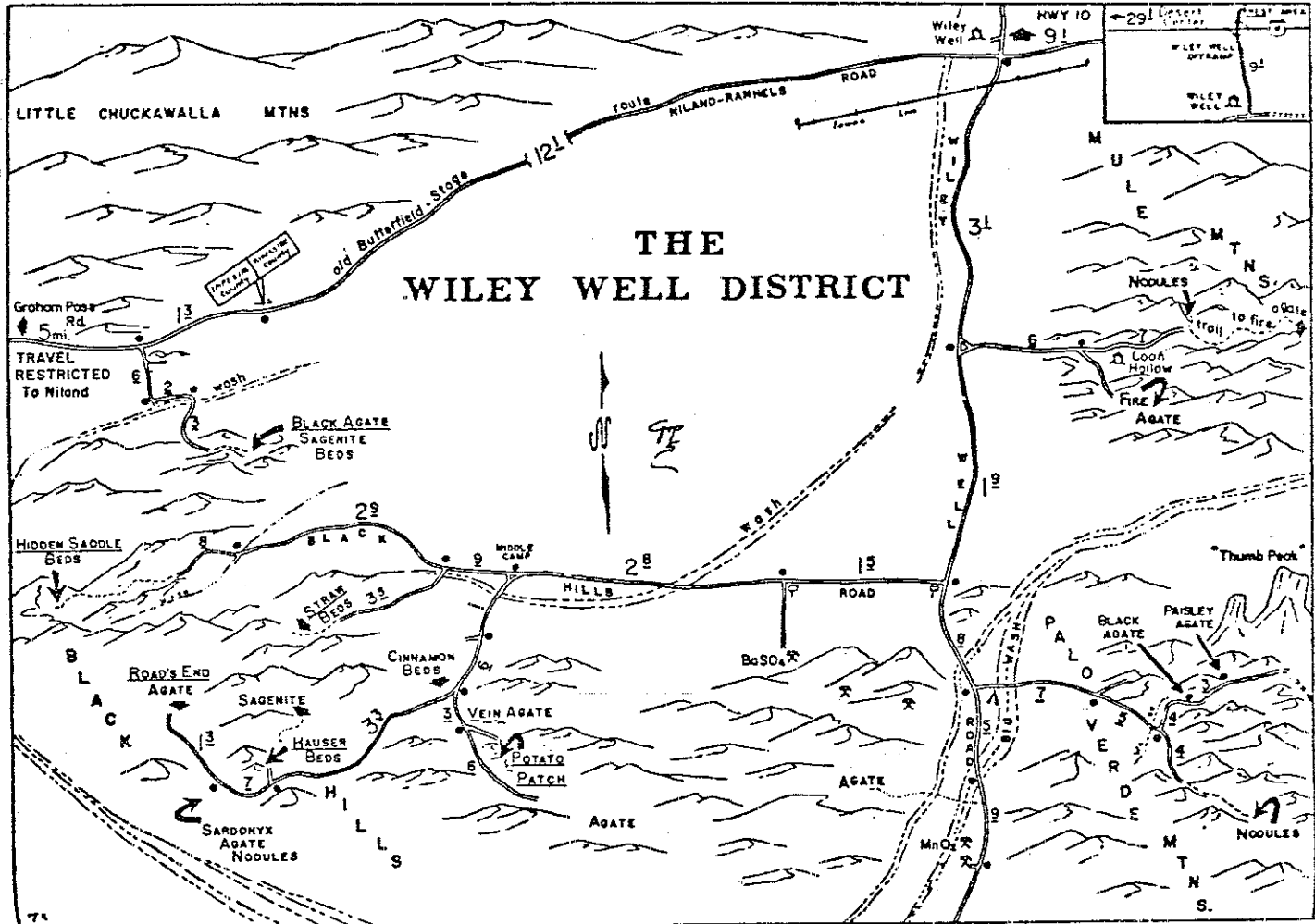
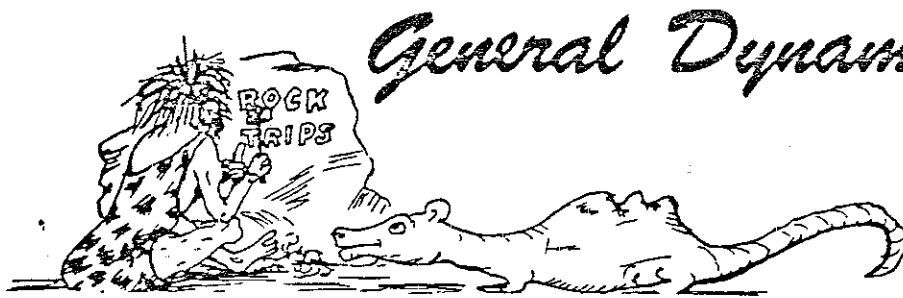
HOW TO GET THERE Take Highway 15 through Victorville to the Stoddard Wells Road offramp and go north 3 miles to boulevard stop. Turn right onto Stoddard Wells Road and proceed to pavement end (4.4 miles). Go on 5 miles and turn right onto well-traveled dirt road. Continue on .4 mile and bear left. (Note: From here you can see a mountain straight ahead with a large, white outcropping. This is the verd antique quarry. Slightly up the hill and to the left a way is the jade outcropping.) Follow dirt road 1.5 miles to base of mountain mentioned above. Beyond this point the road is quite steep and rough. Park your car and walk up the road to verd antique deposit. Hike up hill, and to west to jade outcropping. The hematite is scattered on the slope of the hill below the quarry.



WILEY WELLS AREA 3



MAP 0340 A



THE WILEY WELL DISTRICT

This region is, doubtless, the most popular collecting area on the Colorado Desert. There seems to be no end to the gem material here and collecting is as good today as it was 20 years ago.

Status: All areas are open to collecting. **Road Conditions:** All roads to the collecting locations on the map are typical desert roads. OK for trailers. **Camping Facilities:** BLM Campgrounds at Wiley Well and Coon Hollow. Tables, restrooms and water available. Lots of open desert country for those who prefer privacy. Deadwood in washes for fires. **Supplies:** All supplies at Blythe. **Fee Areas:** Some of the collecting locales have been placed under claim and a fee is charged. These conditions change regularly. **What to collect:**

Black Agate Beds. Nodules and geodes. Very nice, black agate nodules, some with sagenite. It is necessary to dig for them.

Straw Patch. A trail leads up the canyon to the numerous diggings. Blue and black agate nodules, geodes and jasper will be found here.

Cinnamon Beds. At the crest of the road, just beyond the turnoff to the Potato Patch, is an interesting nodule deposit. The nodules are small but the interiors resemble cinnamon sprinkled on agate. They are elusive and highly-prized by many collectors.

Potato Patch. This area is well known for its nodule beds where, by digging into the soft ash, the nodules drop out like potatoes. I'll not attempt to describe them. Anyone unfamiliar with these nodules will find hundreds of pieces on the dumps of the various diggings. The deep blue ones are eagerly sought.

Hauser Beds. The beautiful, crystalline geodes from this location are known world-wide as exceptionally fine specimens. Again, it's a matter of digging in the soft ash. A trail leads north from the Hauser Beds for about 200 yards to

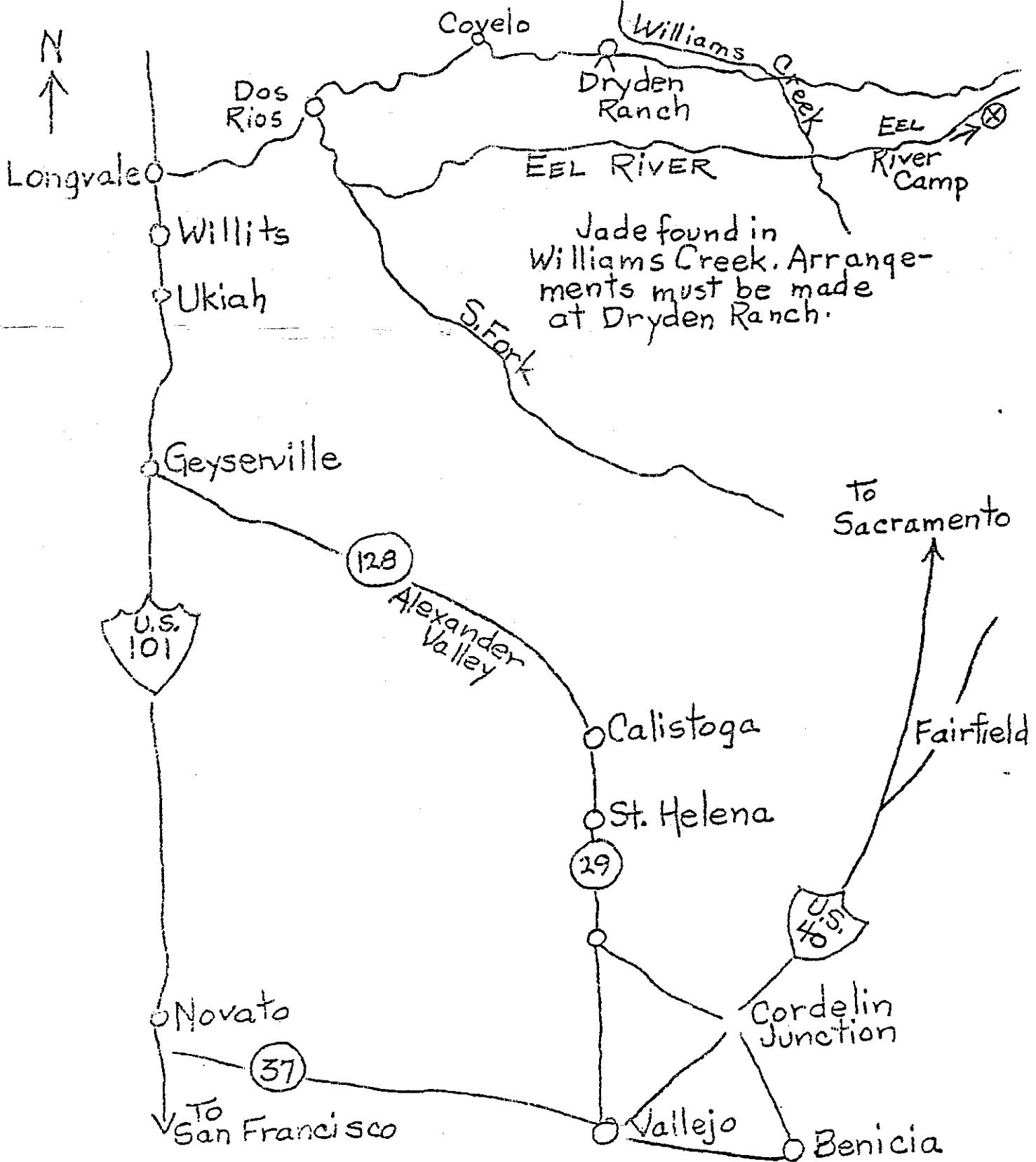
another digging. Large geodes containing calcite crystals are found here.

Roads End. From the Hauser Beds to Roads End, there are several areas of desert pavement where sardonix, "pastelite," blue agate, green jasper and small brown nodules will be found. One area is shown on the map. Road's End is a good area from which to explore the western slopes of the Black Hills. A little hiking will produce sagenite agate opal, black agate, "pastelite," geodes and nodules.

The Black Hills Areas

The Black Hills Road gives access to a number of geode and nodule beds as well as localities for agate in float. **Hidden Saddle Beds.** This deposit is reached via a well-defined trail from the end of the road; approximately a half-mile hike.

Jade Williams Creek



MAP 0343A

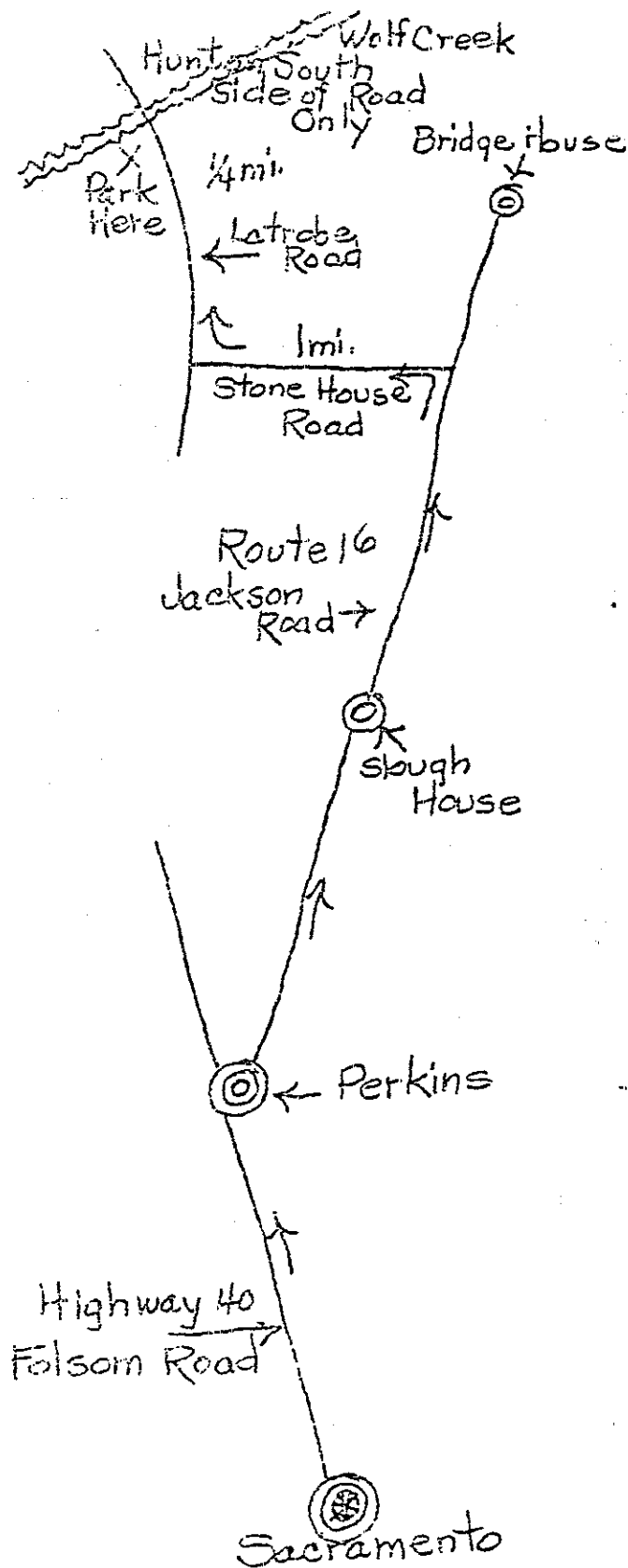
Wolf Creek Field Trip

Materials

Jasper	Excell.
Agate	Scarce
Gold	Scarce
Opalized Wood	Scarce
Quartz	Fair
Flint	Fair
Chert	Fair
Blood Stone	Fair

Permission must be obtained
 prior to entering from
 Mr. Richard Harry
 9990 Elder Creek Road,
 Sacramento, Ca.
 Telephone 363-5005

CAUTION: Must stay in the
 creek and away from livestock.
 Any damage to fence, gate or
 disturbing livestock could
 result in everyone being
 barred from entering.



ACTINOLITE AT WRIGHTWOOD

This is a good trip for the summer season as you will be high in the Angeles National Forest where it is always cool, even when the lower elevations are sweltering in a heat wave. During the winter, the ground is covered with snow much of the time, and it is unlikely much gem material can be found.

TYPE OF MATERIAL FOUND Actinolite.

DESCRIPTION OF MATERIAL

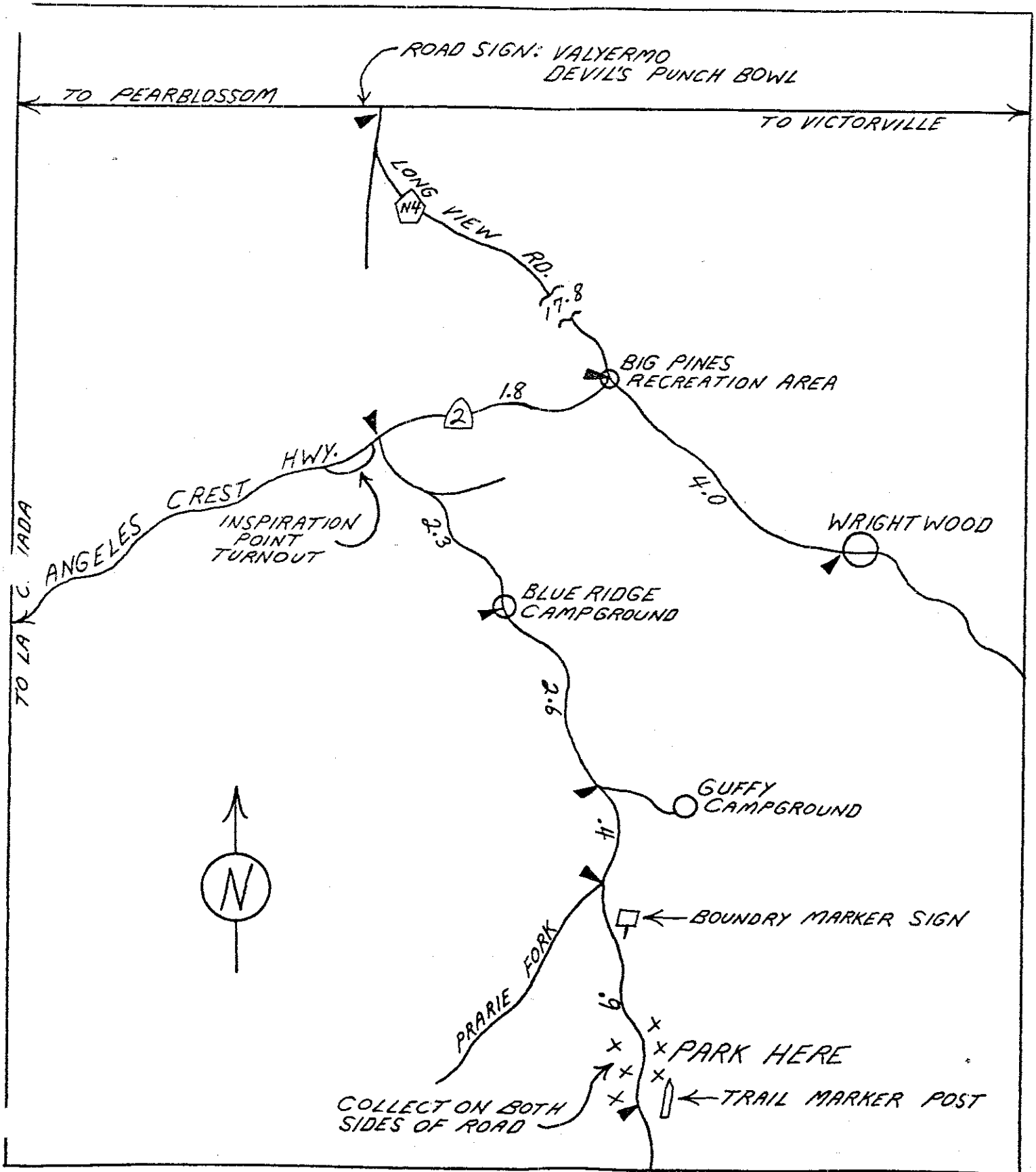
Actinolite is an amphibole, and is colored a beautiful green due to the presence of lead in its chemical composition. It occurs here as fine, bright green crystal masses. Some single crystals of faceting grade may be found. This material is somewhat disguised and a piece which looks like a poor quality specimen on the outside can prove to be an exceptional piece when broken apart. Look for the rounded chunks of rock when distinguishing the actinolite from the common blocky pieces of gneiss that are found here in great profusion. The actinolite may also be found in huge chunks, but digging is usually required to recover these larger pieces.

EQUIPMENT NEEDED Rock pick, shovel and sledge hammer.

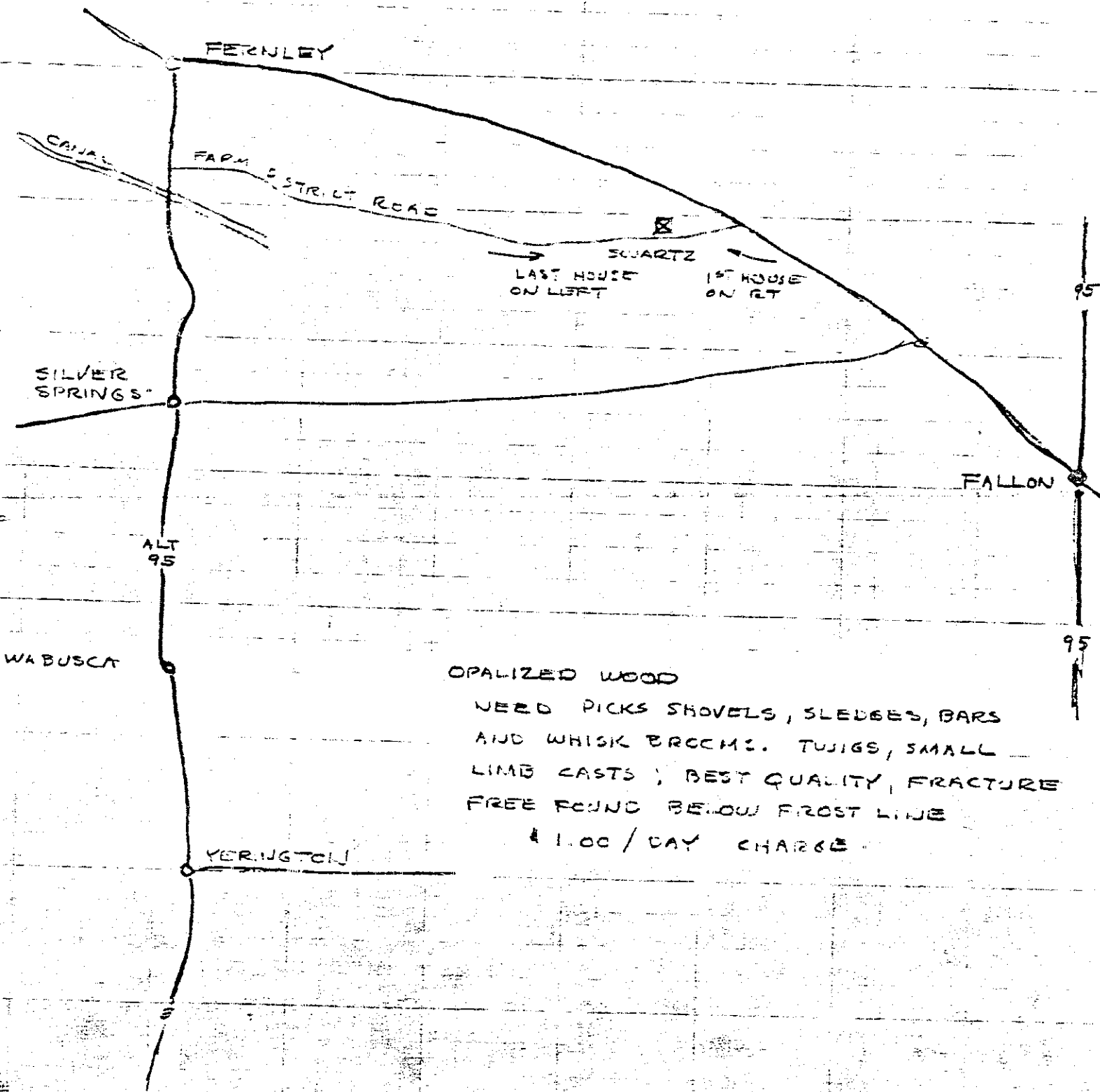
HOW TO GET THERE Highway 138 leaves Pearblossom and heads east toward Victorville. Soon you will see a sign directing you toward Valyermo and Devil's Punchbowl. This highway is marked Longview Road. Turn right here and soon you will be winding up toward the tall timber country. As the road slowly ascends into the mountains, you soon leave the Joshua trees and before long you are surrounded by the big pine trees. At 17.8 miles you will be at Big Pines Recreation Area. Turn right and continue 1.8 miles. Turn onto the graded and oiled road at the eastern end of Inspiration Point turnout. Keep right at fork and continue 2.3 miles along the top of Blue Ridge to the Blueridge Campground. The road affords many breathtaking views of San Gabriel Canyon as it winds among the pines and you may be able to see Mt. Baldy in the distance. The road goes through Blueridge Campground and on 2.6 miles toward Guffy Camp. At the fork, stay to the right on the main road marked to Prairie Fork. Continue .4 mile and bear left on East Blueridge Rd. About .1 mile up this road a sign marks the boundaries of Angeles Forest and San Bernardino National Forest. Continue on another .8 mile to collecting area. There are good places to park here near a forestry trail marker. The actinolite is found scattered around the entire area on both sides of the road from the parking area. Large chunks of beautiful crystals can be found if one scouts the outlying ground. For the trip home, one can continue on Highway 2, Angeles Crest Highway, for a scenic trip through the pines and possibly snow, back to the San Fernando Valley or Azusa.

MAP 0350 A

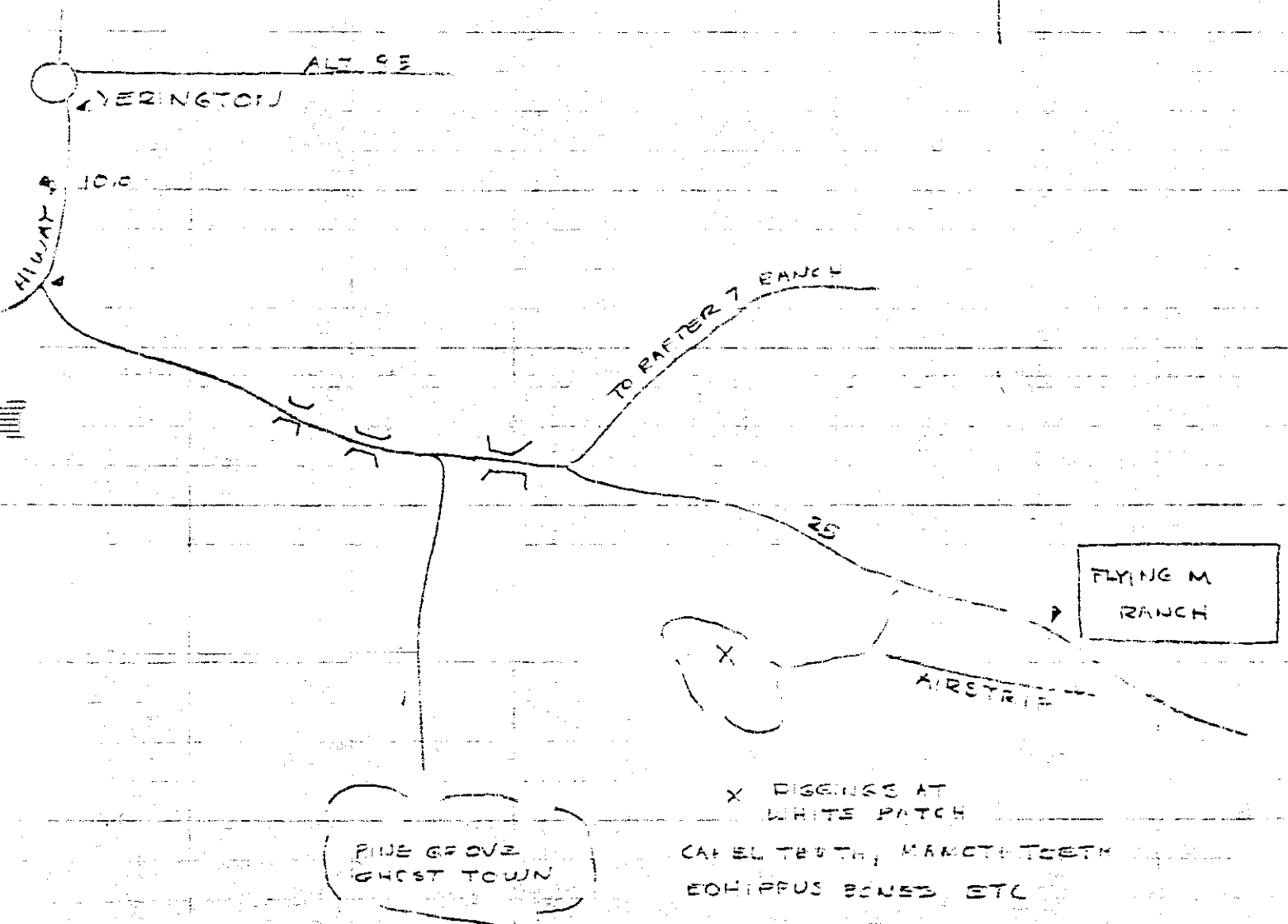
ACTINOLITE AT WRIGHTWOOD ~ CONTINUED



MAP 0350 B



OPALIZED WOOD
 NEED PICKS SHOVELS, SLEDGES, BARS
 AND WHISK BROOMS. TWIGS, SMALL
 LIMB CASTS; BEST QUALITY, FRACTURE
 FREE FOUND BELOW FROST LINE
 \$1.00 / DAY CHARGE



MAP 0354 B

YERINGTON, NEVADA

Place: Sierra Mountains

Time: whatever you can make it. Collecting area all around you.
Several locations will be covered on each day. Havers will be out Friday.

Mileage: One way - 150 miles

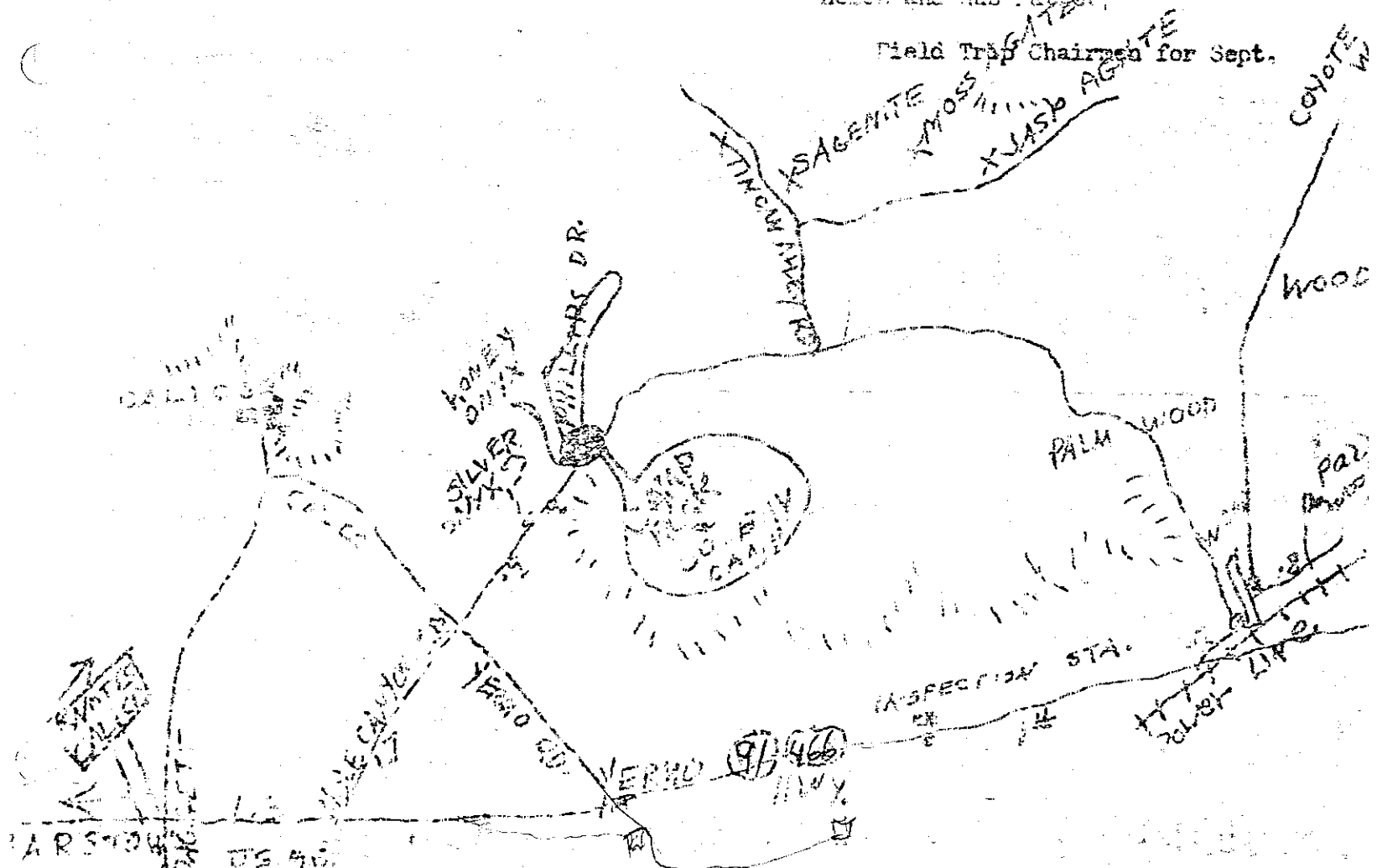
There is agate, jasper, jasp-agate (onyx - silver & honey), palm root, rock agate, lace agate, rare fossils, and we found Calico rose (proper not far from camp). There was a small charge for the silver onyx and a short steep hike involved, but everyone that brought back this material was very happy with it.

The camp site at Camp Rock is a very popular camping spot. Total mileage from highway to camp is 3.2 miles. This is a dry camp site. Bring wood for a nice camp fire, get together. If you want to see the Stone Tower of Calico it is to the far west camp.

We made this trip in April of this year and we came home with plenty of silver onyx, large pieces (boulders) of rainbow jasper, and a large selection of palm roots with red eyes, some very dark pieces and also the lighter colors. It seemed to be quite plentiful.

See you in camp at one of our favorite field trip sites.

Helen and Gus Patzer,
Field Trip Chairmen for Sept.



MAP 0360 A