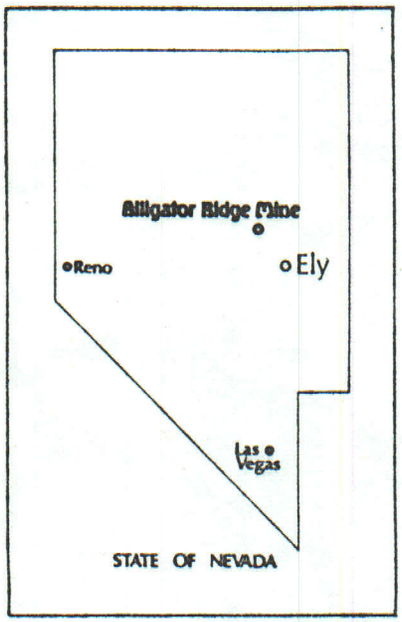
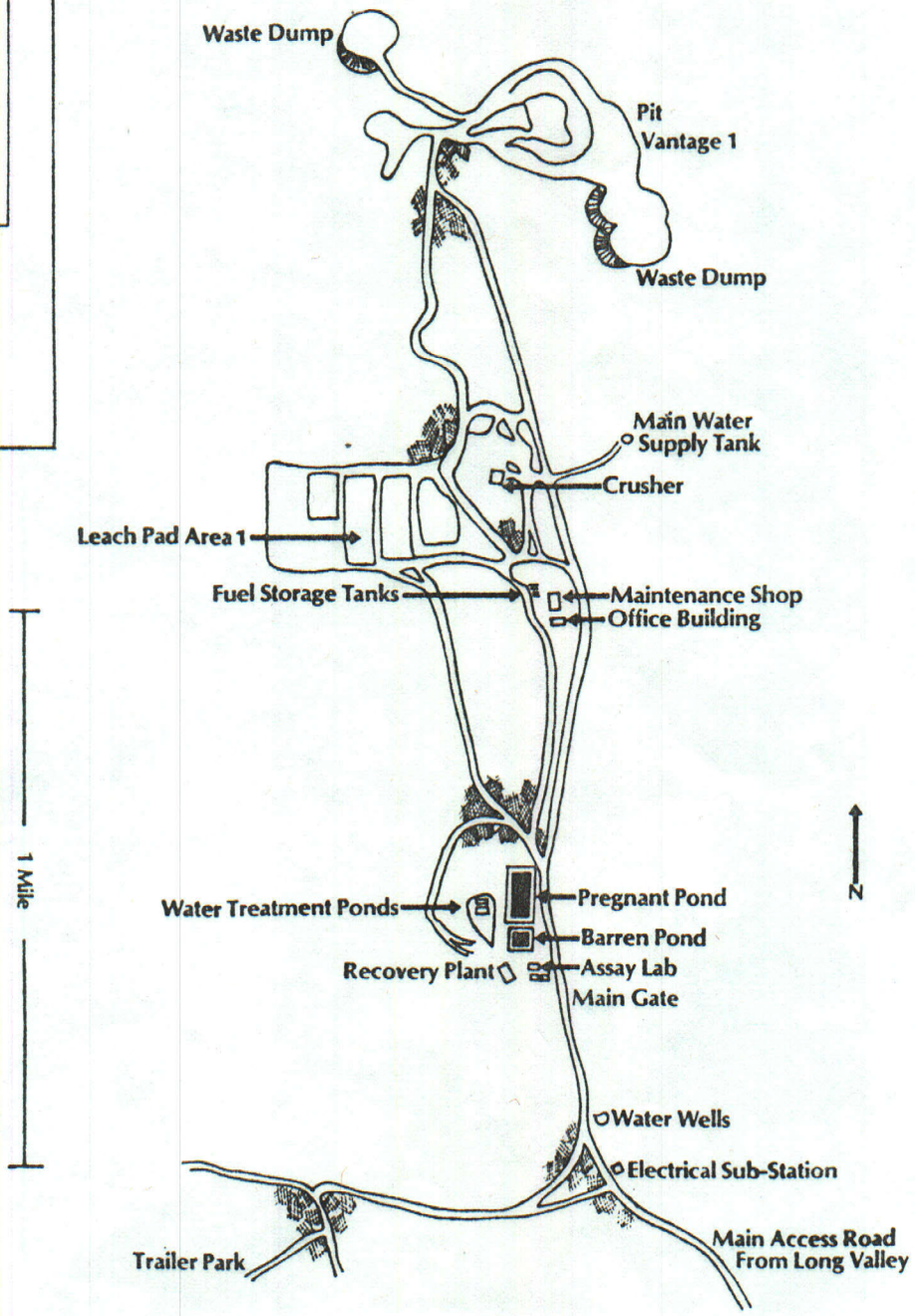
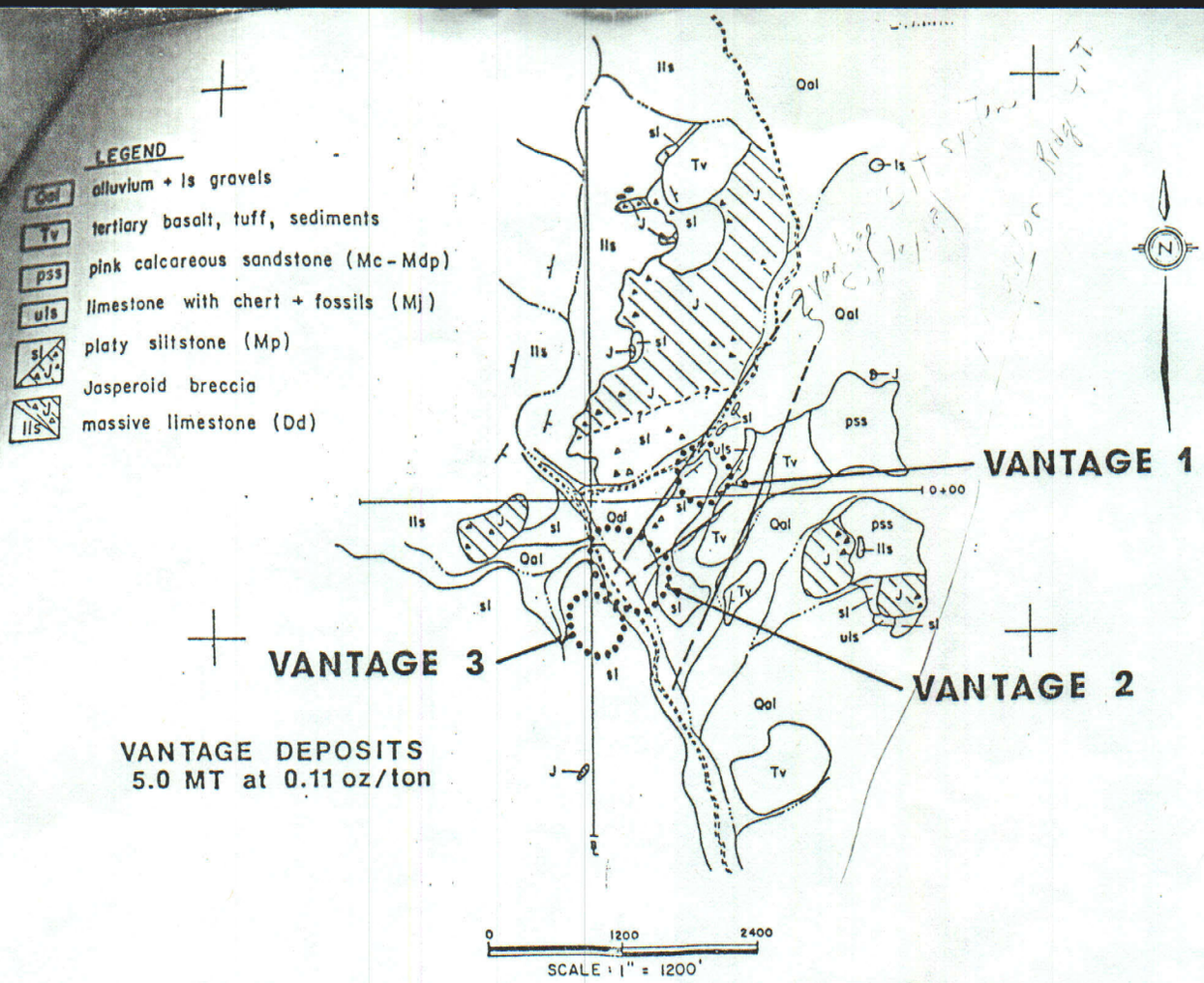
04200079

Mine Site

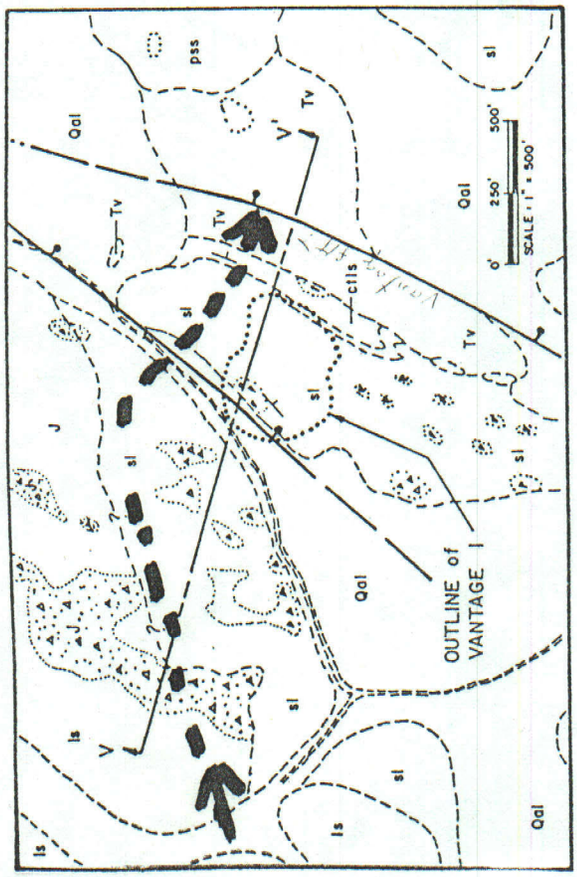




February 1981



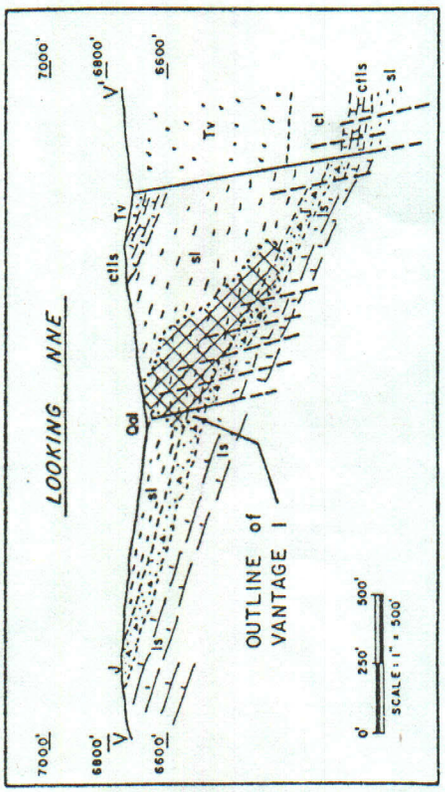
II-11. Vantage Overlay - November 1978 - Ore Body Outlines as per Exploration Drilling



Plan View - Geologic Map and Outline of Vantage 1 Ore Body

FIELD TRIP TRAVERSE

Qal Alluvium + ls gravel
Tv Basalt, tuff, conglomerate
pss cl Calc. sandstone + claystone [Mdp Mc]
cttls Limestone with chert + fossils [Mj]
sl Siltstone [Mp]
ls Jasperoid breccia
Massive fine gr. limestone [Dd]



III-1. Section View - Interpretative Cross Section of Vantage 1 Ore Body

Amselco Minerals, Inc.

MEMORANDUM

TO: MEL ESSINGTON

Date: SEPTEMBER 21,1981

FROM: MIKE ANDERSON

SUBJECT: ALLIGATOR RIDGE MINE STATISTICS

1. Mining reserves are:

Tons ore	: 5 million tons
Tons waste	: 15 million tons
Stripping ratio	: 3 to 1; tons waste to tons ore
Average grade	: .12 Fire assay oz/ton
Average recovery	: 80%

2. Average annual production is:

750,000 tons ore/year

2,300,000 tons waste year

Process	: 3 shifts/day 7 days/week
Mine	: 2 shifts per day @ 10 hrs. each 4 days per week

6 year life with proven reserves. Satellite reserves will extend the life.

3. 1981 production

589,830 tons ore @ .118 oz/ton

2,194,550 tons waste

Stripping ratio	: 3.7:1
Pit area	: 32 acres now.
	: 53 acres at the end of Mine life
Dumps	: 28 acres now.
	: 42 acres at the end of Mine life.

4. Leach Pads : 35 acres now being leached.

: 78 acres being cleared for near term leaching.

: 156 acres by the end of Mine life.

5. Pit Design : Haul roads about 50 feet wide at the 10% grade.

Overall slope angle is 42 degree including roads.

Bench height is 20 feet.

V1 pit bottom is 6540, or 100' lower.

Ultimate wall height is 260 feet for V1 pit.

The V2 and V3 pits will have bottoms at the 6280 elevation and an average wall height of 330 feet.

Vantage II area at present is a temporary design to create even ore flow. Vantage IIA will be expanded in 1982 to ultimate design.

6. Mine equipment : 9 - 35 tons WABCO rear dump trucks.

3 - 988 Cat 7-yd. front end loaders.

1 - 245 Cat 5-yd. hydraulic shovel.

2 - 6 3/4' drills
Drill pattern is 14' x 16'.
Powder factor is about .3 to .4 lbs/ton.

7. Production estimate to date:

Tons ore	: 1,048,000
Tons waste	: 4,179,000
Grade	: .124 HCl Assay oz/ton
Stripping ratio	: 4:1

MA/ea