

Cordero Lease Area

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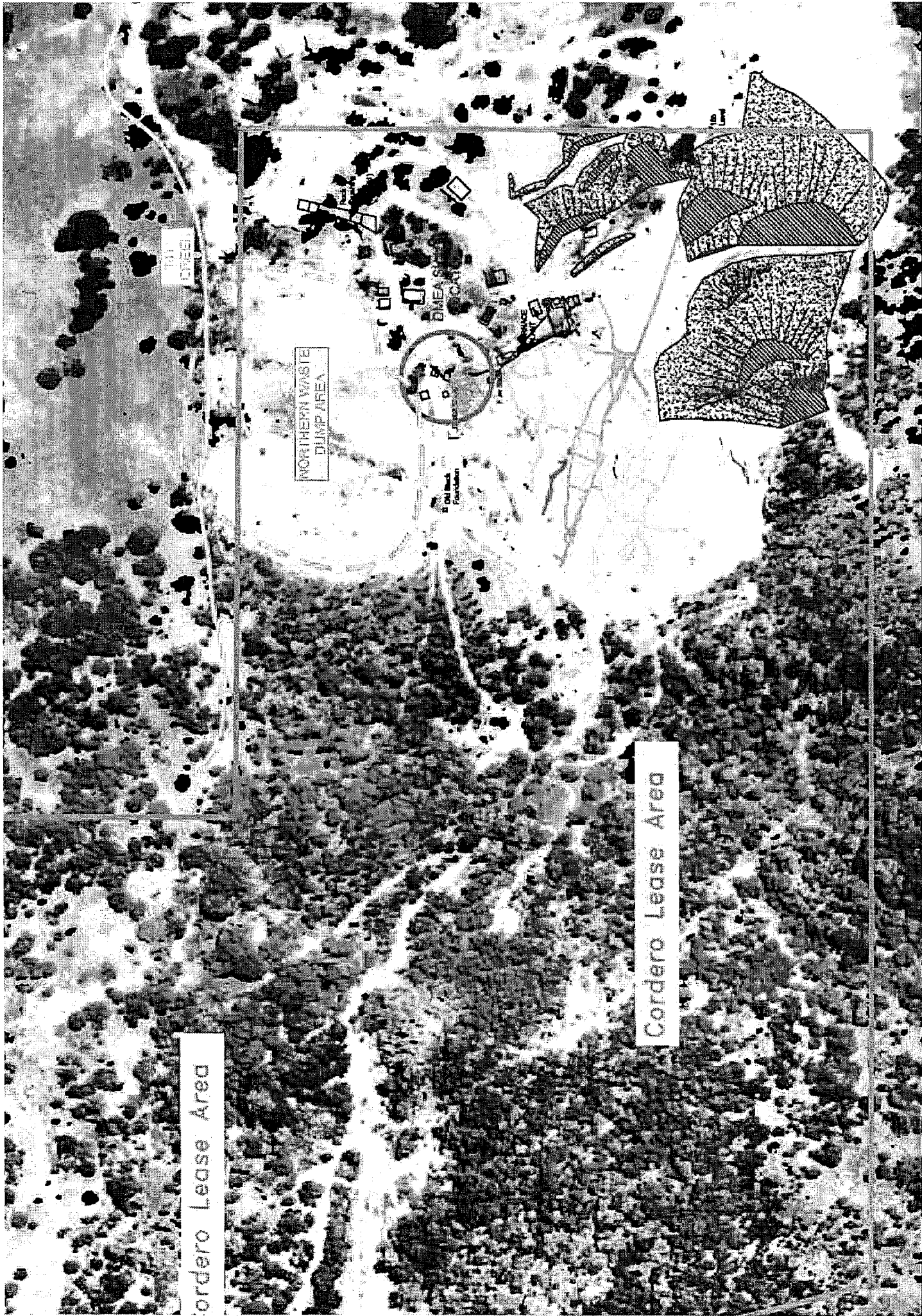
100'
DEER

DEER

PROPOSED LEASE
SITES

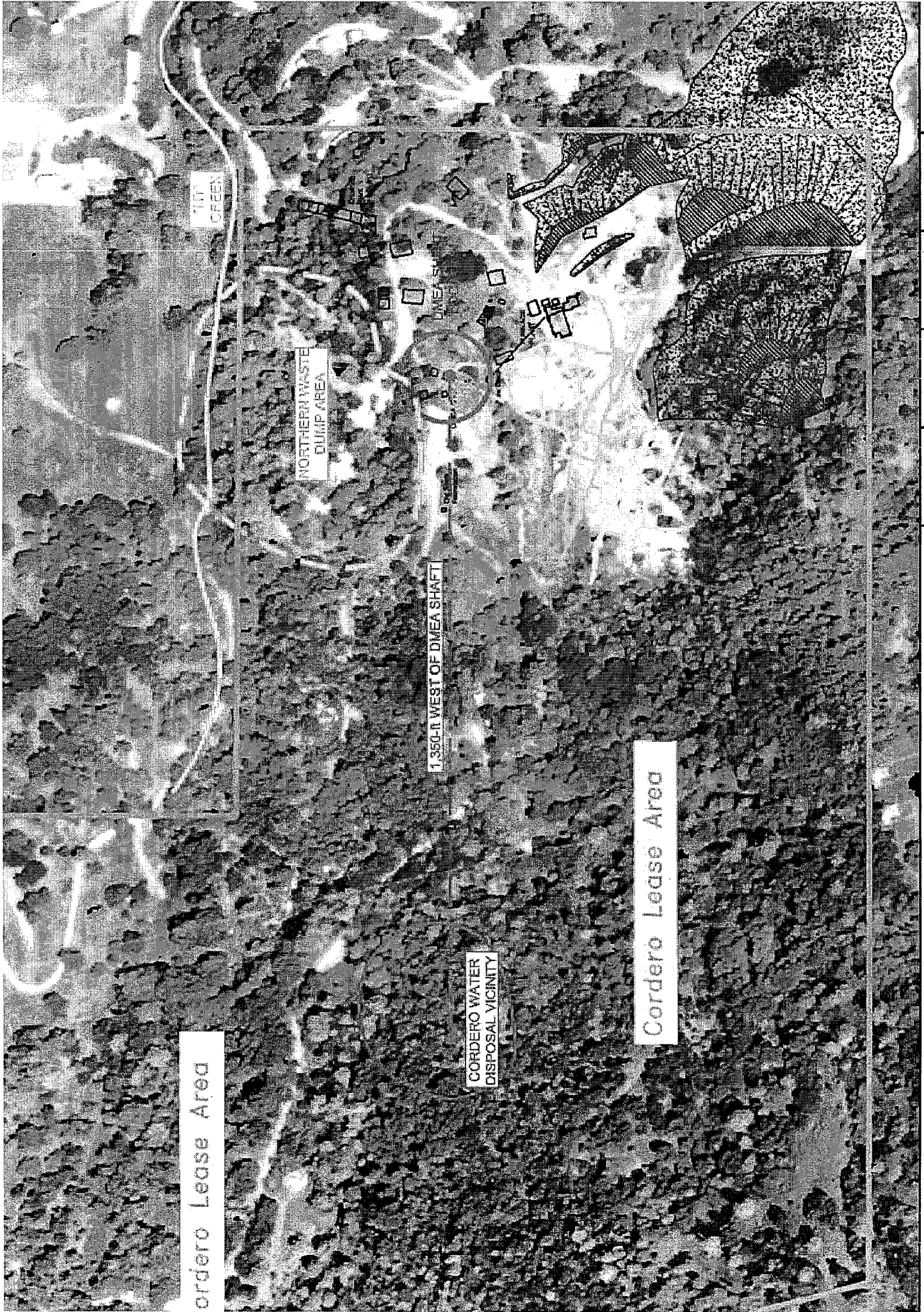
PROJECT NO.	DATE:	DRAWN BY:	APP. BY:
01-SUN-050	07/16/09	JP	PH

PRE-CC
1952 AE



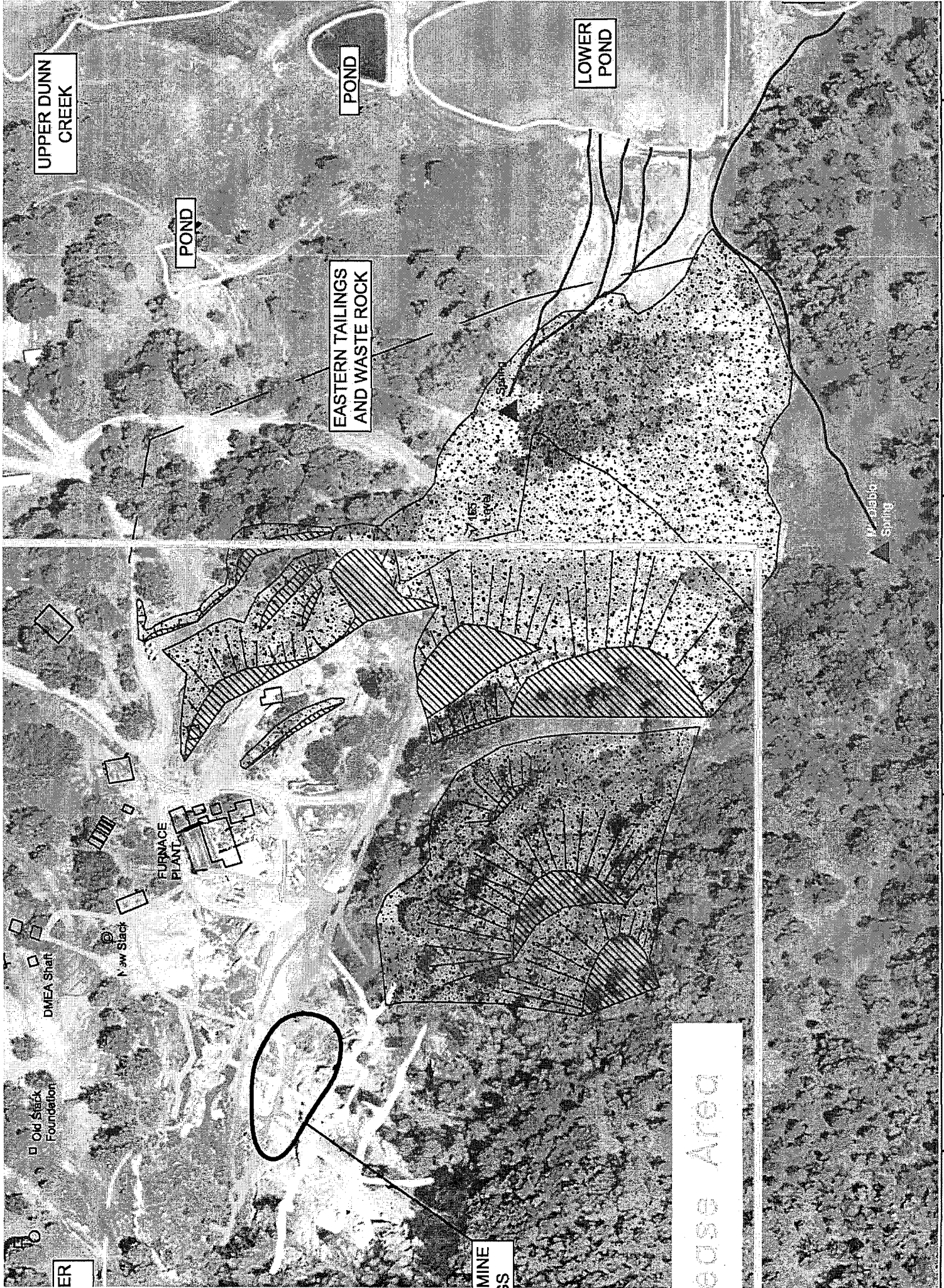
PROJECT NO.	DATE	DRAWN BY:	APP. BY:	POST
01-SUN-050	07/16/09	JP	PH	1957

Round Workings
Adft Level



MT. DIABLO
2004 /

PROJECT NO.	DATE:	DRAWN BY:	APP. BY:
01-SUN-050	07/16/09	JP	PH



UPPER DUNN CREEK

POND

POND

LOWER POND

EASTERN TAILINGS AND WASTE ROCK

FURNACE PLANT

DMEA Shaft

New Stack

Old Stack Foundation

ER

MINE

ease Area

Mable Spring

Spring

SCALE

Workings

UPPER DUNN
CREEK

LOWER
POND

Spring
185' Level

Mt. Diablo
Park Spring

TURBINE
PLANT

New Stack

DMEA Street

Old Stack
Foundation

Seepage Area

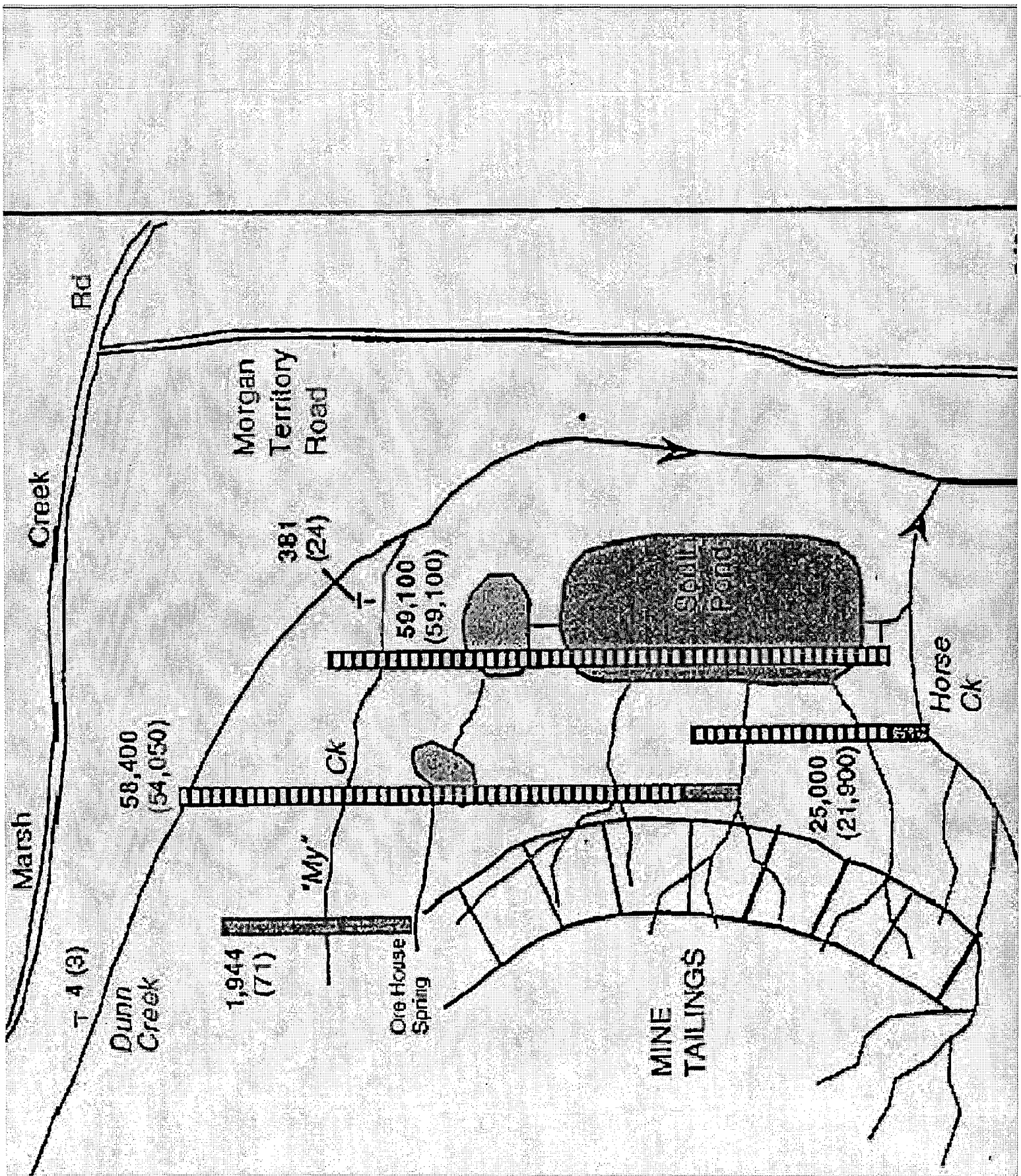
SCALE

Waste Rock



PROJECT NO.	(
01-SUN-001)
	NA

SLOTTI
MT. D



TABLE

PRODUCTION STATISTICS- MOUNT DIABLO MINE "MILL WORKINGS"

Operator	Date	Cubic Yards of Ore Milled	Waste rock from tunnels, crosscuts,raises,shafts and stopes (cubic yards)	Dewater volume (acre-feet)	Mercury Produced, flasks
Welch	1863	shaft and placer	NA	none	NA
Unknown	1875-1877	NA	NA	NA	1000
Mt. Diablo Quicksilver MC, operator Ericson	1930-1936	NA	NA	NA	739
leased to Bradley MC	1936-1951	78,188 ⁽¹⁾	24,815 ⁽²⁾	161 ⁽³⁾	10,455
leased Ronnie B. Smith	Sept 1951- June 1953	920 ⁽⁴⁾	NA	NA	125 ⁽⁵⁾
DMEA and Smith	June 1953 - Jan 1954	none	630 ⁽⁶⁾	minor	none
DMEA, Johnson and Jonas	Jan 1954 - Feb 1955	none	67 ⁽⁷⁾	NA	none
leased to Cordero MC	Feb 1955 - Dec 1956	none	1,228 ⁽⁸⁾	19.5 ⁽⁹⁾	none
leased to Nevada Scheelite Company	1956	none	none	minor	none
Total Cubic Yards of Material Taken Out			105,848 ⁽¹⁰⁾		

⁽¹⁾ Table 4, Ross 1958, reported 126,664 tons of ore milled. Converted here to cubic yards above based on conversion of 1.62 tons per cubic yard (cy)

⁽²⁾ Total length of workings 4,570 ft (Pampeyan 1963. p 25) x 5 feet x 7 feet x bulking factor plus 20% = 7,108 cy less (2) and (3). Included 550 ft of shafts and raises (935 cy) and stopes of 19,000 cy (Pampeyan, Plate 5).

⁽³⁾ Estimate 10 gpm for 10 years.

⁽⁴⁾ Used the ratio of ore milled to flasks produced for Bradley to estimate the amount of ore milled by Smith.

⁽⁵⁾ DMEA internal memo dated 2/4/57 ref doc no. 2:88/384

⁽⁶⁾ 300-ft DMEA shaft 4.5 ft x 8.5 ft (Ross 1958) plus 77 ft of tunnel at 5 ft x 7 ft on the 360 level w/ bulking factor of 20%

⁽⁷⁾ 43 ft of tunnel on the 360 level x 5 feet x 7 feet w/ bulking factor of 20%

⁽⁸⁾ 790 ft of crosscuts and drifts on the 360 level (Pampeyan, and Sheahan 1957) x 5 feet x 7 feet w/ bulking factor of 20%.

⁽⁹⁾ Best guess; 90 gpm for 27 days to dewater the mine (ref: DMEA payment records to Smith for same) and 200 days at 10 gpm.

⁽¹⁰⁾ Sum of Ore Milled and Waste Rock

APPENDIX A

CORDERO LEASE WITH VIC BLOMBERG FOR MT. DIABLO MERCURY MINE

THIS AGREEMENT, entered into this 13th day of November, 1954, between MT. DIABLO QUICKSILVER COMPANY, LTD., a Nevada corporation, hereinafter referred to as "Lessor", and CORDERO MINING COMPANY, a Nevada corporation, hereinafter referred to as "Lessee",

W I T N E S S E T H:

WHEREAS, Lessor is the owner of the following described mine and mining property, together with all appurtenances:

DESCRIPTION:

The northeast quarter of the southeast quarter of Section 29 and the south half of the southwest quarter of the northeast quarter of Section 29, Township 1 North, Range 1 East, Mount Diablo Base and Meridian, containing 60 acres, more or less;

EXCEPTING THEREFROM: "That certain syphon pipe leading therefrom to a water trough on the northeast quarter of the southeast quarter of said Section Twenty-nine (29), which said water spring, trough, and pipe are excepted from this deed," as provided for in the deed from Edward A. Howard and Daisy B. Howard, his wife, to Mount Diablo Quicksilver Company, Ltd., a corporation, dated December 29, 1933, and recorded Feb. 1, 1934 (File No. 1060);

And

The northwest quarter (N.W.1/4) of the southeast quarter (S.E.1/4) of Section 29, in Township 1 North of Range 1 East, Mount Diablo Base and Meridian. Said property shall not include the following described property, to wit: that land beginning at the northwest corner of the northwest quarter of the southeast quarter of Section 29, Township 1 North, Range 1 East, Mount Diablo Base and Meridian; thence running southerly along the dividing line between the northeast quarter of the southwest quarter and the northwest quarter of the southeast quarter of said Section 29, a distance of 20 chains to the southwest corner of the northwest quarter of the southeast quarter of Section 29; thence running along the southerly line of the northwest quarter of the southeast quarter of Section 29, a distance of 2,924 chains; thence leaving said line, and running in a northerly direction, a distance of 20.23 chains to the point of beginning.