U. S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

Figure - 1

Plant North

Plant East

Plant West

Plant South

SHAFT

FAULT

RING BEAM

CONCRETE COLLAR

Granitic rocks exposed on bottom of shaft cut by many faults of northeast, northwest, and east-west trend. Some are zones 1-15 feet wide that cross bottom completely.

p80

N

EXPLANATION

Fault

Fault, location accurate at perimeter of shaft, but approximate elsewhere. Faults shown only in part, some cross bottom completely; faults more numerous than shown.

Inclined foliation
Strike and dip of foliation.

Vertical foliation
Strike of foliation

Biotite-hornblende leucodiorite dike
Fine- to medium-grained

Postulated extension of leucodiorite dike NW to shaft fault

Control Points

Note: Elevation of bottom of shaft is approximately 73 feet below mean lower low water datum (MLLW). Faults shown on perimeter observed between elevations -66 and -73 feet (MLLW). Rock exposed in bottom of shaft is mainly biotite-hornblende quartz diorite with minor hornblende-biotite quartz monzonite.

Geology by J. Schlocker, M. G. Bonilla, F. T. Lee, 1963-1964.

BOTTOM OF SHAFT SHOWING FAULTS AND PROBABLE OFFSET ON SHAFT FAULT.

(as of fieldwork of March 18,1964)

5 0 5 10 15 20 25 30 FEET