REFERENCE NOT IN POCKET
IN BACK OF BOUND VOLUME

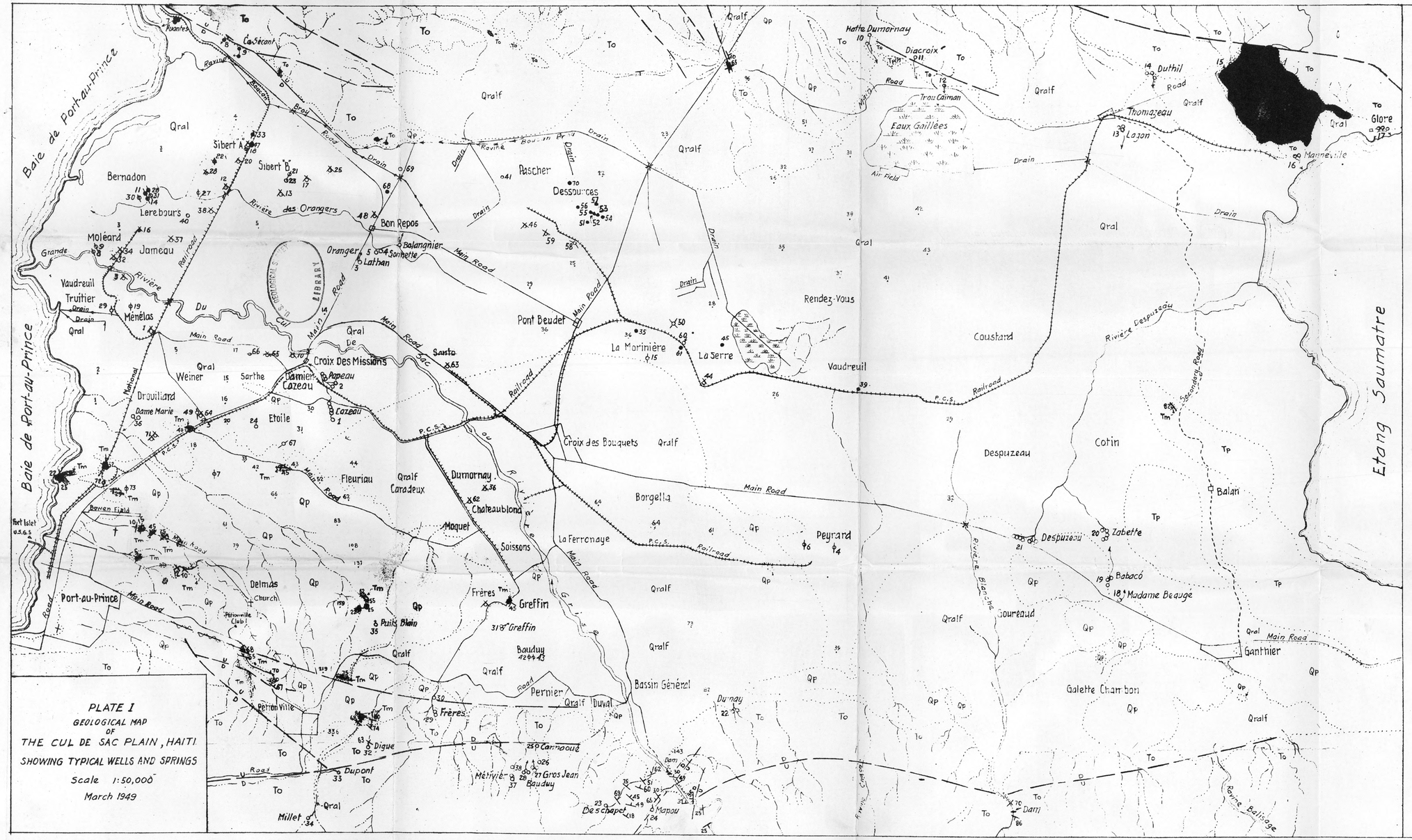

PLATE I

GEOLOGICAL MAP OF THE CUL DE SAC PLAIN, HAITI SHOWING TYPICAL WELLS AND SPRINGS

Scale 1:50,000

March 1949

EXPLANATION

- 7 ..... Artesian spring
- 3 ..... Gravity spring
- 51 ..... Drilled flowing well
- 69 ..... Drilled non flowing well
- 3 ..... Drilled flowing well with pump
- 25 ..... Drilled non flowing well with pump
- 60-50 Battery of drilled wells
- 14 31 ..... Abandoned or destroyed drilled well

Qral / Qralf — Recent; Qral, alluvial fill; unconsolidated impervious clay and silt interbedded with pervious sand and gravel. Qralf, alluvial-fan phase. Pervious facies yield moderate to abundant supplies of water to wells and springs.

Qp — Pleistocene; lime-or caliche-cemented semi-consolidated gravel and sand with some clay and silt. Permeable facies may yield small quantities of water to wells or springs where present in the zone of saturation.

Tp — Pliocene(?); Coralline and molluscan reef limestone with some coquina, sand, and gravel. Cavernous limestone, gravel, and coquina may yield moderate supplies of water to wells if present in the zone of saturation.

Tm — Miocene; Semiconsolidated claystone, siltstone, and conglomerate interbedded with soft marl and limestone. In areas of strong folding these rocks yield meager water supplies of water of poor quality. In areas of slight deformation the sandstones and conglomerates yield moderate to abundant water supplies to wells.

To — Oligocene; To, hard, thin or massively bedded limestone with some sandy and shaly limestone, claystones, and sandstones. Cavernous zones and bedding and joint planes are moderately to highly pervious. Numerous springs of moderate to large magnitude issue from these zones along the northern and southern borders of the plain. Tobs, nepheline basalt intercalated with limestone. Probably largely impervious.

- 60/ — Strike and dip.
- ø — Vertical dip
- U/D — Probable fault; U. upthrown D. Downthrown
- 29 — Elevation in meters above mean sea level

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