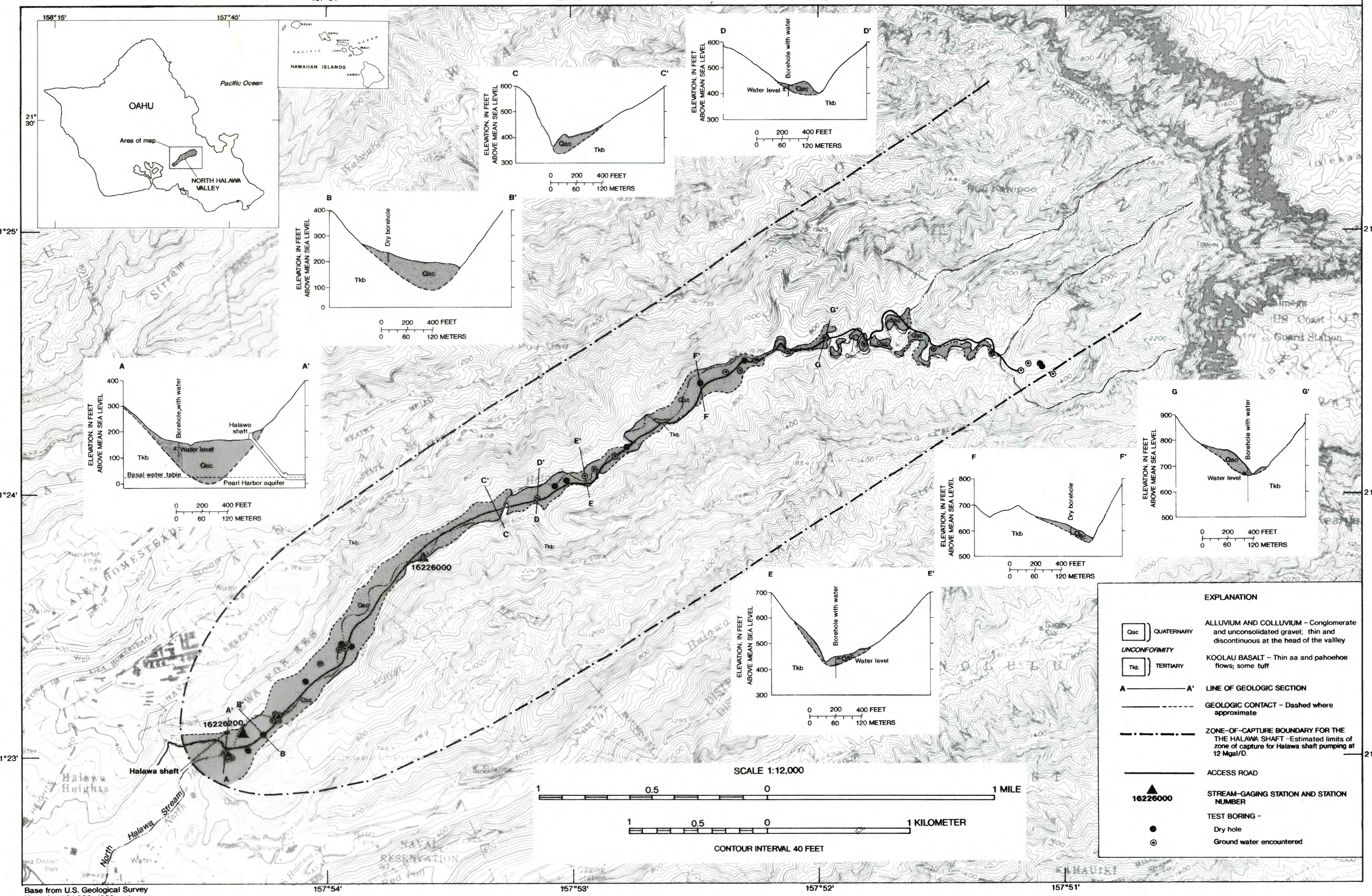
U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
HAWAII STATE DEPARTMENT OF TRANSPORTATION

WATER-RESOURCES INVESTIGATIONS REPORT 91-4197

PLATE 1



EXPLANATION

Qac QUATERNARY	ALLUVIUM AND COLLUVIUM – Conglomerate and unconsolidated gravel; thin and discontinuous at the head of the vallley
UNCONFORMITY	
Tkb TERTIARY	KOOLAU BASALT – Thin aa and pahoehoe flows; some tuff
A — A'	LINE OF GEOLOGIC SECTION
———	GEOLOGIC CONTACT – Dashed where approximate
-·-·-·-	ZONE-OF-CAPTURE BOUNDARY FOR THE THE HALAWA SHAFT – Estimated limits of zone of capture for Halawa shaft pumping at 12 Mgal/D.
———	ACCESS ROAD
▲ 16226000	STREAM-GAGING STATION AND STATION NUMBER
	TEST BORING –
●	Dry hole
⊙	Ground water encountered

Base from U.S. Geological Survey
Kaneohe 1:24,000, 1983 and
Waipahu 1:24,000, 1983

MAP SHOWING GEOLOGY AND GEOLOGIC SECTIONS OF NORTH HALAWA VALLEY