





EXPLANATION


 SURFACE EXPOSURE OF VOLCANIC ROCKS (MODIFIED FROM TRACEY AND OTHERS, 1964)

 SUBSURFACE VOLCANIC ROCKS ABOVE SEA LEVEL IN NORTHERN GUAM (modified from David Vann, 2000, University of Guam, written commun.)

WATER LEVEL IN WELL INDICATING FRESHWATER LENS IN:

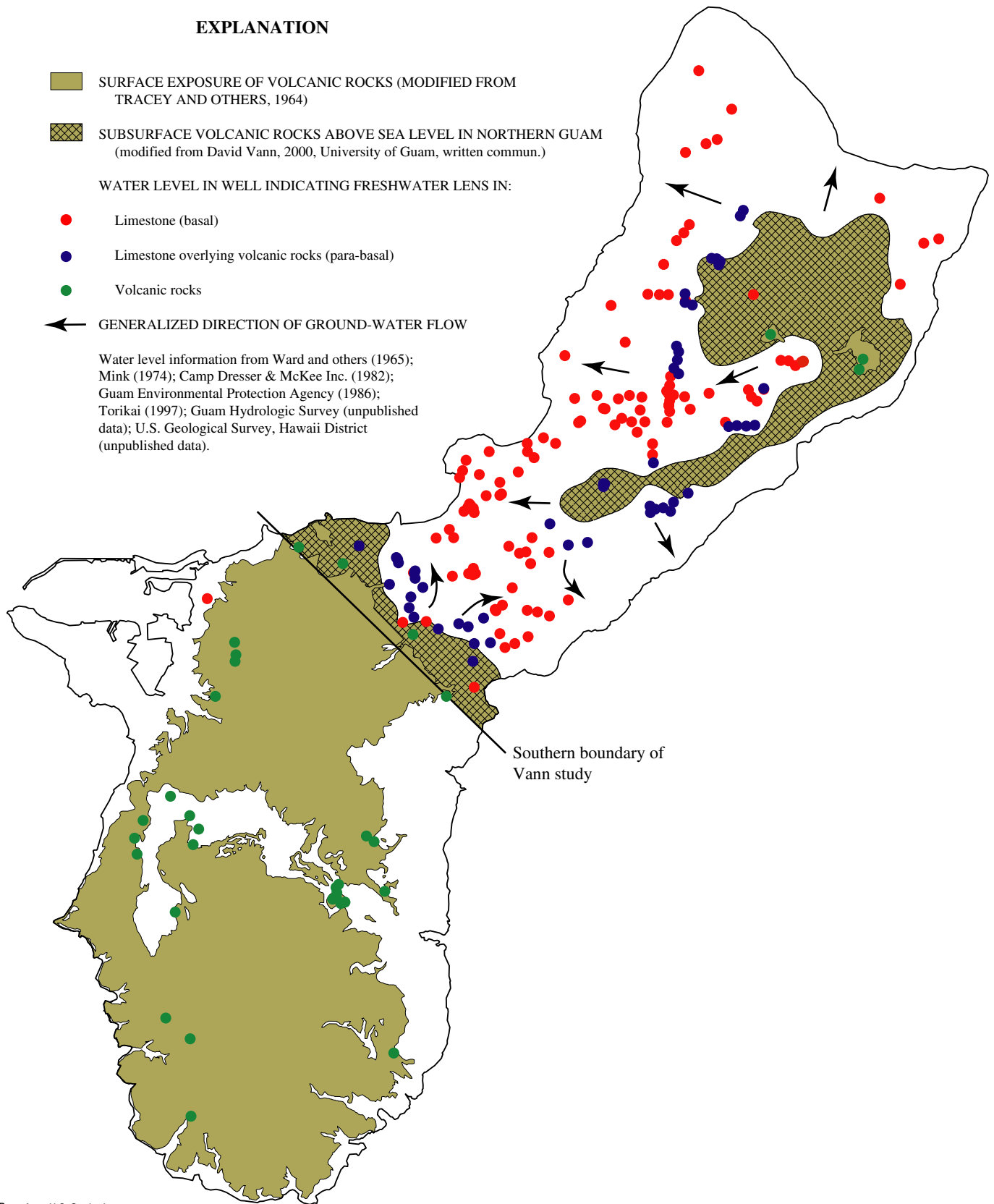
 Limestone (basal)

 Limestone overlying volcanic rocks (para-basal)

 Volcanic rocks

 GENERALIZED DIRECTION OF GROUND-WATER FLOW

Water level information from Ward and others (1965); Mink (1974); Camp Dresser & McKee Inc. (1982); Guam Environmental Protection Agency (1986); Torikai (1997); Guam Hydrologic Survey (unpublished data); U.S. Geological Survey, Hawaii District (unpublished data).



Base from U.S. Geological Survey
Island of Guam, 1:62,500, 1953

Figure 4. Water levels in selected wells, Guam