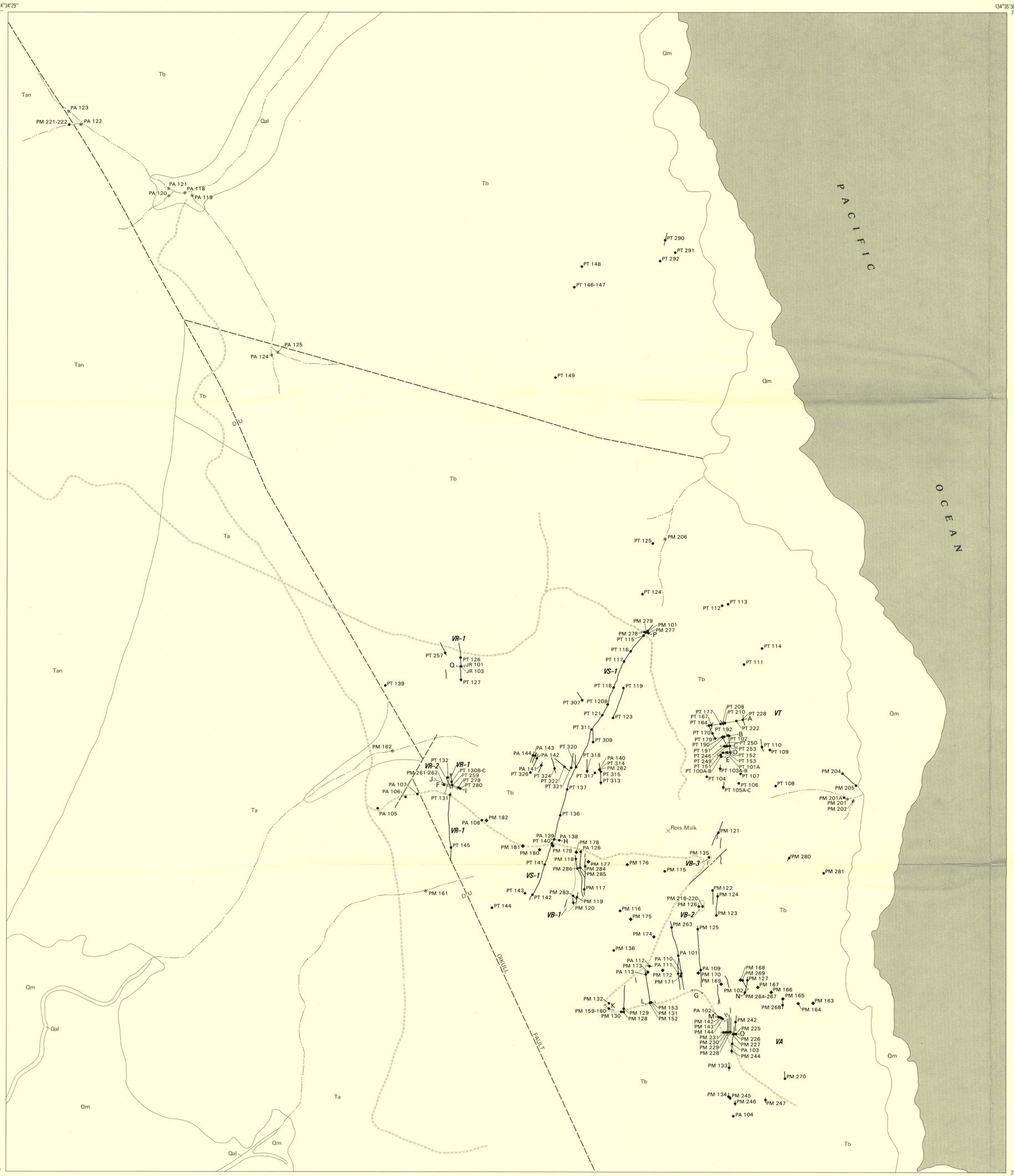


Base modified from low-level aerial photo; U.S. Army Far East Command, 1956

Veins mapped by W. R. Miller, J. J. Rytuba, M. A. Arnold, and T. L. Vercoutere, 1986.
Geology modified from Corwin and Elmquist, 1948, in U.S. Army Far East Command (1956)

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1989

0 100 200 300 400 500 METERS
0 500 1000 1500 FEET

EXPLANATION

QUATERNARY		Qm	**Mangrove swamp deposits**
		Qal	**Alluvium**
TERTIARY	Pliocene to Miocene	Ta	**Airai Formation**
	Eocene	Tan	**Ngarsul Member of Aimeliic Formation**—Andesitic-basaltic volcanic breccia
		Tb	**Babelthuap Formation**—Basalt and basaltic-andesite flows and flow breccia

Contact

Fault—U, upthrown side; D, downthrown side

VS-1 **Vein**

Brecciated/silicified zone

Drainage

PM 277 **Rock sample**

PM 174 **Soil sample**

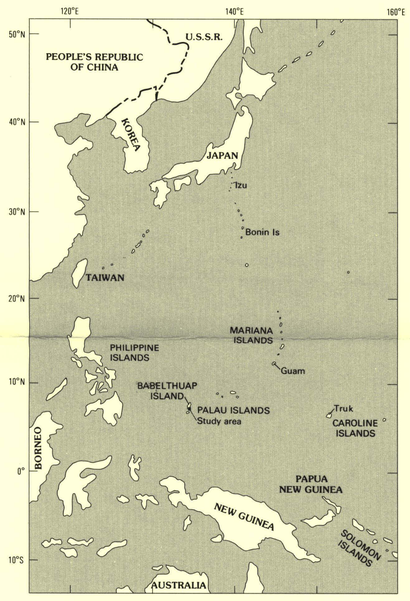
PA 126 **Drainage sample**

C **Channel sample**

J **Detailed soil traverse**

See text figures for detailed sample localities. Not all numbers in an inclusive set are shown

Channel	Sample
A	PT 164-177, PT 203-230 (fig. 12)
B	PT 178-202 (fig. 12)
C	PT 160-163, PT 241-255 (fig. 12)
D	PT 152-159, PT 231-237 (fig. 12)
E	PT 238-240, PT 256, 100a, and 100b (fig. 12)
F	PM 248-262 (fig. 33)
G	PM 208-215 (fig. 16)
H	PA 128-139 (fig. 9)
I	PT 258-288 (fig. 10)
K	PM 154-160 (fig.16)
L	PM 145-153 (fig. 17)
M	PM 137-144 (fig. 17)
N	PM 102-144, 265-267 (fig. 15)
O	PM 225-241 (fig. 14)
P	PM 271-279 (fig. 8)
Q	JR 100-102 (fig. 11)
Soil traverse J	PM 183-200 (figs. 31,32)



INDEX MAP SHOWING LOCATION OF STUDY AREA

MAP SHOWING GEOLOGY AND SAMPLE LOCALITIES, ROIS MALK STUDY AREA, REPUBLIC OF PALAU