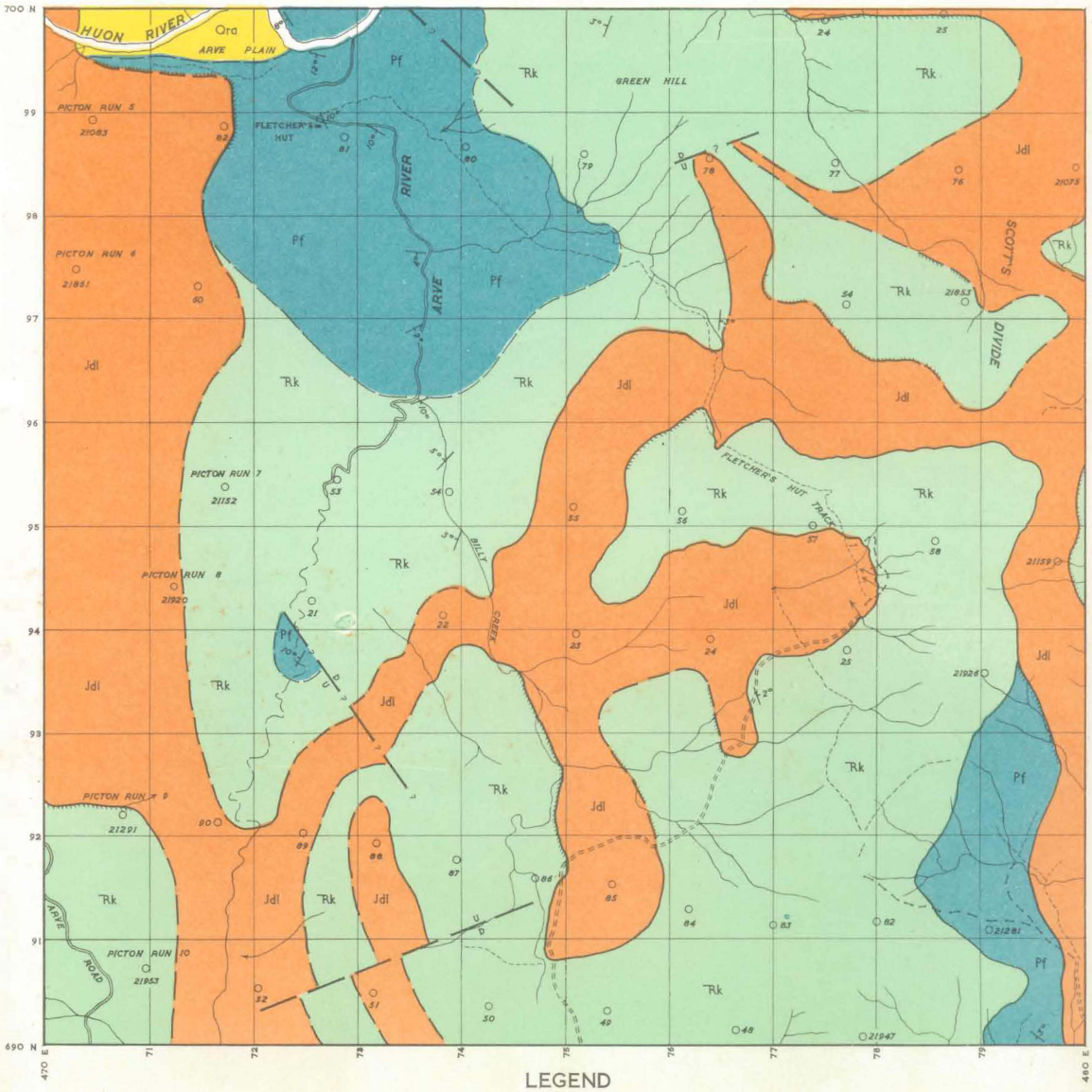
ARVE RIVER



LEGEND

FAULT WITH DOWNTHROWN SIDE INDICATED
FAULT – POSITION APPROXIMATE
FAULT INFERRED
FORMATION BOUNDARY

Dolerite Boundaries
CONCORDANT SILL
DISCORDANT INTRUSIVE BOUNDARY

STRIKE AND DIP
ROADS
VEHICULAR TRACK
TRACK
DISUSED TRAMWAY

Quaternary System
RECENT SERIES
Qra ALLUVIUM

Triassic System
Trk KNOCKLOFTY SANDSTONE AND SHALE

Permian System
Pf FERNTREE MUDSTONE

IGNEOUS ROCKS
Jurassic ? System
Jdl DOLERITE

KEY MAP SHOWING MAGNETIC VARIATION

Base map by courtesy of FORESTRY COMMISSION Hobart

SCALE
0 1 2 MILES
0 1 2 3 4 5000 10,000 FEET

MAPPED BY R. J. FORD JAN.–FEB. 1955

GEOLOGY OF ARVE RIVER AREA

1. BIBLIOGRAPHY:

BLAKE, F., 1935 — Report on country along route of Craycroft Track. **Unpublished report of Mines Dept.**

FORD, R. J., 1956 — Geology of the Upper Huon-Arve River Area. **Pap. Proc. Roy. Soc. Tas.,** Vol. 90, pp. 147-156.

2. STRATIGRAPHIC TABLE:

SYSTEM	FORMATION	ROCK TYPE	THICKNESS (in feet)
Tertiary and Quaternary		**Erosion interval**	
Early Tertiary?		**Strong epeirogeny and faulting**	
Jurassic?		Dolerite sills and sheets	
Triassic	Knocklofty	Sandstone and shale	800
Permian	Ferntree	Mudstone	370
	Woodbridge	Glacial formation	290

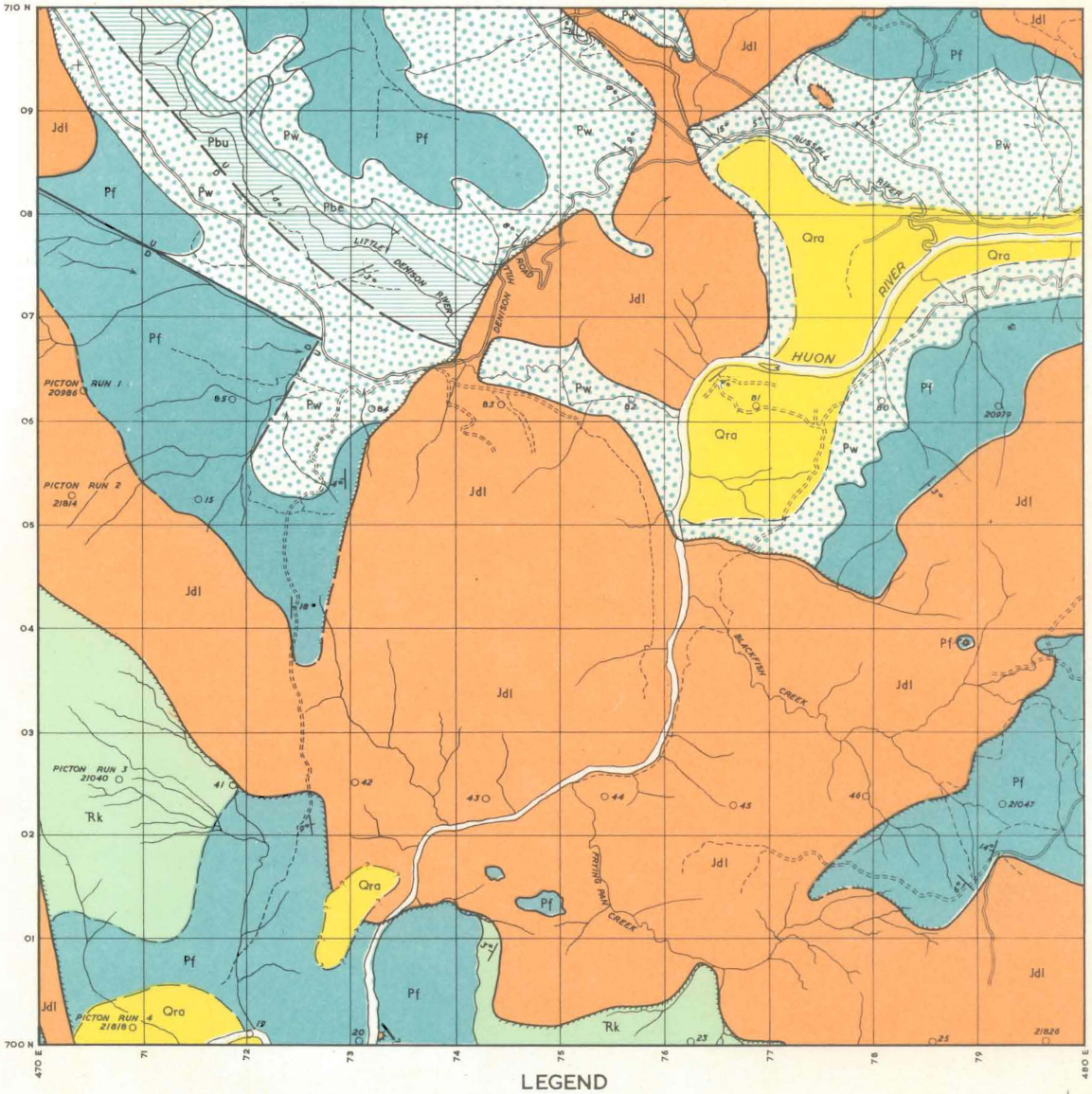
3. LOCALITIES OF SPECIAL INTEREST:

Thin sill of dolerite	476500E. 698000N.
Dolerite sill	477000E. 693800N.
Ferntree Mudstone showing presence of strike fault	472500E. 693700N.
Faulted Triassic rocks	470300E. 691000N.

4. PHYSIOGRAPHY:

Note control of Arve River by rock types.	
Waterfalls in Ferntree Mudstone	473600E. 697500N.
Weathered dolerite	471000E. 696000N.

UPPER HUON



LEGEND

- FAULT WITH DOWNTHROWN SIDE INDICATED
- FAULT - POSITION APPROXIMATE
- FAULT INFERRED
- FORMATION BOUNDARY

Dolerite Boundaries

- CONCORDANT SILL
- DISCORDANT INTRUSIVE BOUNDARY
- STRIKE AND DIP
- ROADS
- VEHICULAR TRACK
- TRACK
- HORIZONTAL DIP
- PHOTO CENTRE

MAPPED BY R. J. FORD JAN. 1955

Quaternary System
RECENT SERIES

- Qra ALLUVIUM

Triassic System

- Rk KNOCKLOFTY SANDSTONE AND SHALE

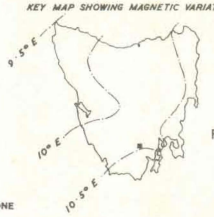
Permian System

- Pf FERNTREE MUDSTONE
- Pw WOODBRIDGE GLACIAL FORMATION
- Pbe BERRIEDALE LIMESTONE
- Pbu BUNDELLA MUDSTONE AND RATHBONE'S SILTSTONE

IGNEOUS ROCKS
Jurassic ? System

- Jdl DOLERITE

KEY MAP SHOWING MAGNETIC VARIATION



Base map by courtesy of FORESTRY COMMISSION Hobart

SCALE
0 1 2 3 4 5000 10,000 FEET
0 1 2 MILES

GEOLOGY OF UPPER HUON AREA

1. BIBLIOGRAPHY:

BLAKE, F., 1935 — Report on country along route of Craycroft Track. **Unpublished report of Mines Dept.**

FORD, R. J., 1956 — Geology of the Upper Huon-Arve River Area. **Pap. Proc. Roy. Soc. Tas.,** Vol. 90, pp. 147-156.

2. STRATIGRAPHIC TABLE:

SYSTEM	FORMATION	ROCK TYPE	THICKNESS (in feet)
Quaternary and Tertiary		**Erosion interval**	
Early Tertiary?		**Strong epeirogeny and faulting**	
Jurassic?		Dolerite sills and sheets	300+
Triassic	Knocklofty	Sandstone and shale	800+
Permian	Ferntree	Mudstone	370+
	Woodbridge	Glacial Formation	290
	Berriedale	Limestone	90
	Bundella	Mudstone	120+

3. LOCALITIES OF SPECIAL INTEREST:

Berriedale limestone with fossils	473500E. 708000N.
Intrusive contacts of dolerite	473250E. 701250N. 473250E. 706500N.
Dolerite dyke	475000E. 707800N.
Isolated sedimentary blocks on dolerite	474300E. 701700N. 478800E. 703800N. 475000E. 701400N.
Weathering of dolerite	473500E. 701500N. 79500E. 700000N.