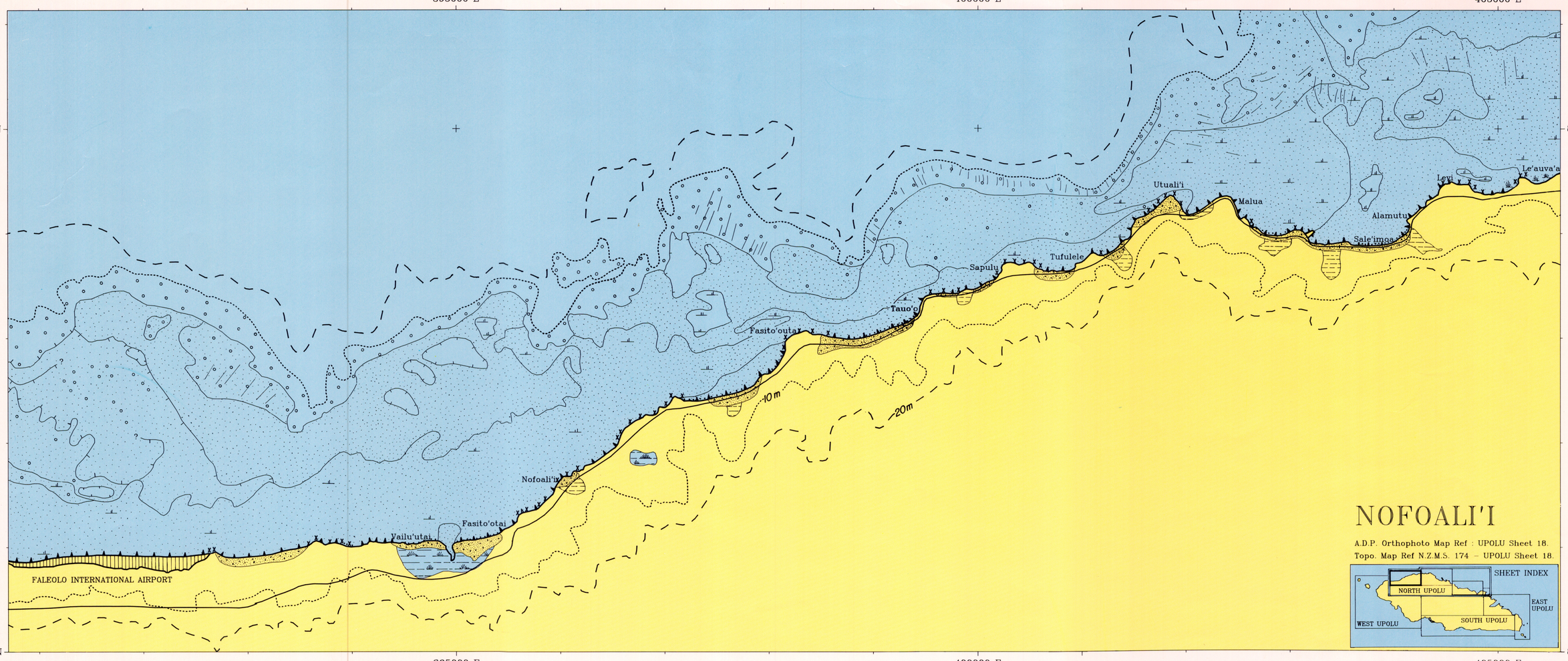
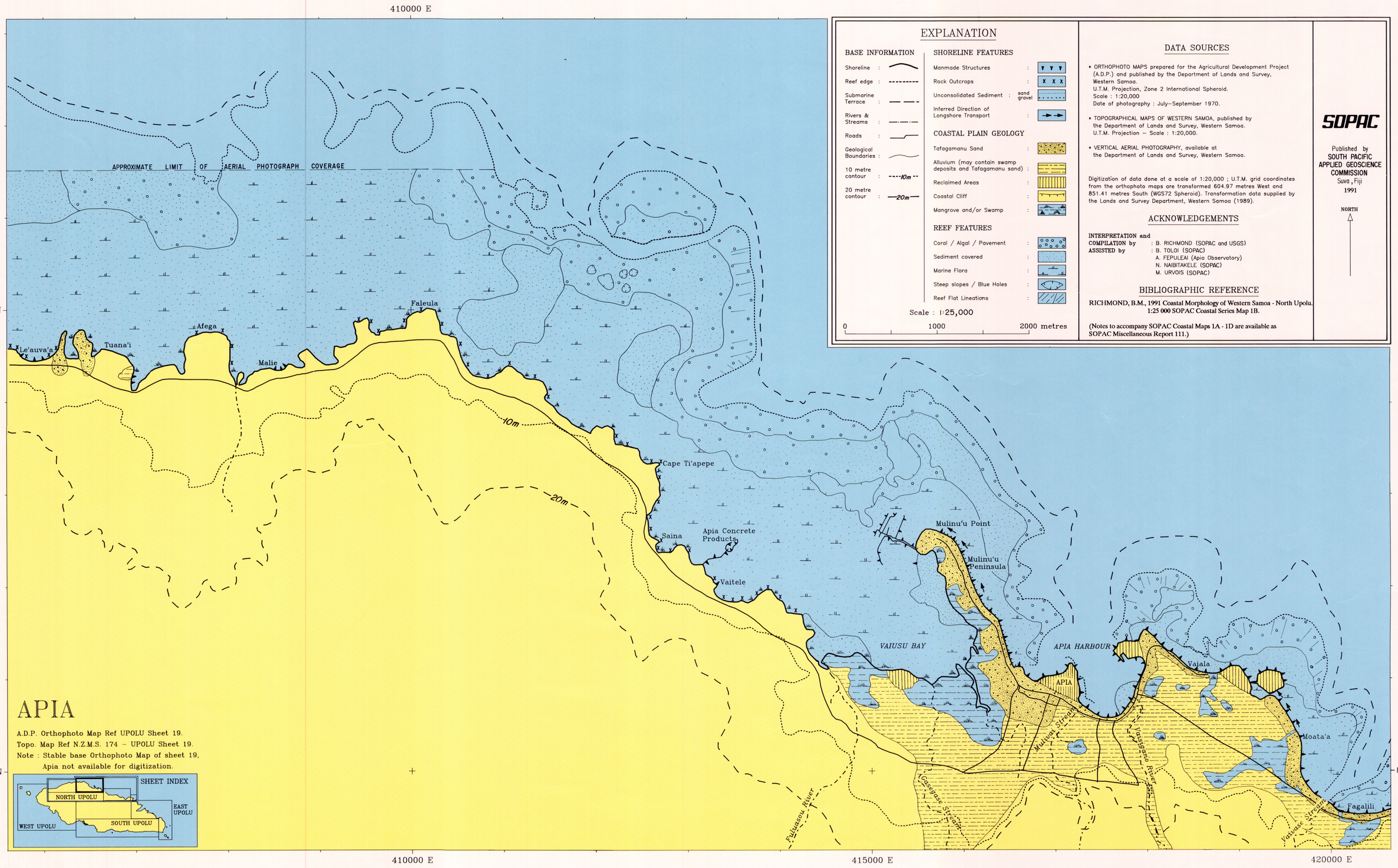
COASTAL MORPHOLOGY OF WESTERN SAMOA – NORTH UPOLU





EXPLANATION

BASE INFORMATION

- Shoreline
- Reef edge
- Submarine Terrace
- Rivers & Streams
- Roads
- Geological Boundaries
- 10 metre contour (10m)
- 20 metre contour (20m)

SHORELINE FEATURES

- Manmade Structures
- Rock Outcrops
- Unconsolidated Sediment : sand, gravel
- Inferred Direction of Longshore Transport

COASTAL PLAIN GEOLOGY

- Tafagamanu Sand
- Alluvium (may contain swamp deposits and Tafagamanu sand)
- Reclaimed Areas
- Coastal Cliff
- Mangrove and/or Swamp

REEF FEATURES

- Coral / Algal / Pavement
- Sediment covered
- Marine Flora
- Steep slopes / Blue Holes
- Reef Flat Lineations

Scale : 1:25,000

0 1000 2000 metres

DATA SOURCES

- ORTHOPHOTO MAPS prepared for the Agricultural Development Project (A.D.P.) and published by the Department of Lands and Survey, Western Samoa.
  U.T.M. Projection, Zone 2 International Spheroid.
  Scale : 1:20,000
  Date of photography : July–September 1970.
- TOPOGRAPHICAL MAPS OF WESTERN SAMOA, published by the Department of Lands and Survey, Western Samoa.
  U.T.M. Projection – Scale : 1:20,000.
- VERTICAL AERIAL PHOTOGRAPHY, available at the Department of Lands and Survey, Western Samoa.

Digitization of data done at a scale of 1:20,000 ; U.T.M. grid coordinates from the orthophoto maps are transformed 604.97 metres West and 851.41 metres South (WGS72 Spheroid). Transformation data supplied by the Lands and Survey Department, Western Samoa (1989).

ACKNOWLEDGEMENTS

INTERPRETATION and COMPILATION by : B. RICHMOND (SOPAC and USGS)
ASSISTED by : B. TOLOI (SOPAC)
A. FEPULEAI (Apia Observatory)
N. NAIBITAKELE (SOPAC)
M. URVOIS (SOPAC)

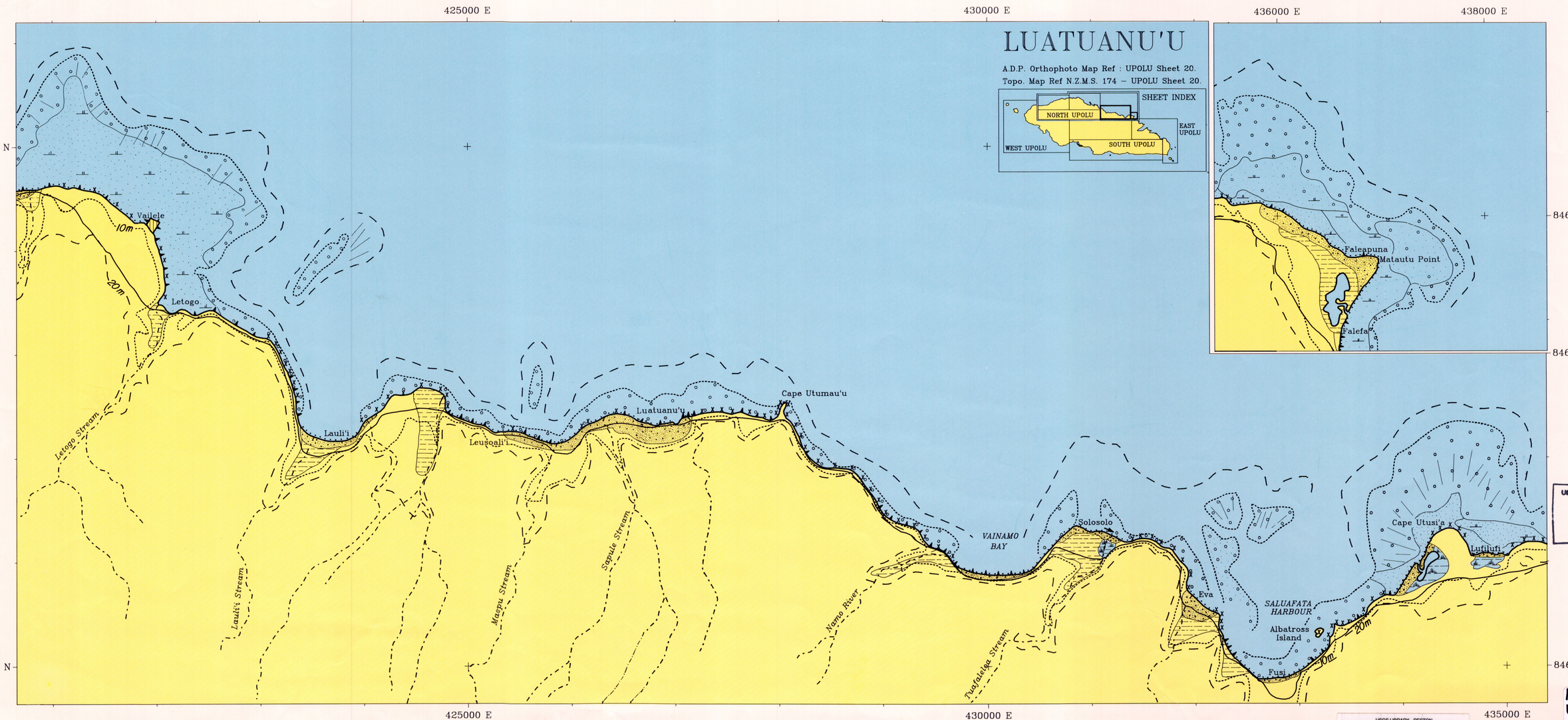
BIBLIOGRAPHIC REFERENCE

RICHMOND, B.M., 1991 Coastal Morphology of Western Samoa - North Upolu. 1:25 000 SOPAC Coastal Series Map 1B.

(Notes to accompany SOPAC Coastal Maps 1A - 1D are available as SOPAC Miscellaneous Report 111.)

SOPAC
Published by
SOUTH PACIFIC APPLIED GEOSCIENCE COMMISSION
Suva, Fiji
1991

NORTH



m(960)521
Up6r
map 1B
c.1

US GEOLOGICAL SURVEY
LIBRARY
JUL 06 2006
RESTON, VA

USGS LIBRARY - RESTON
3 1818 00525303 2

m(960)521
Up6r
map 1B
c.1