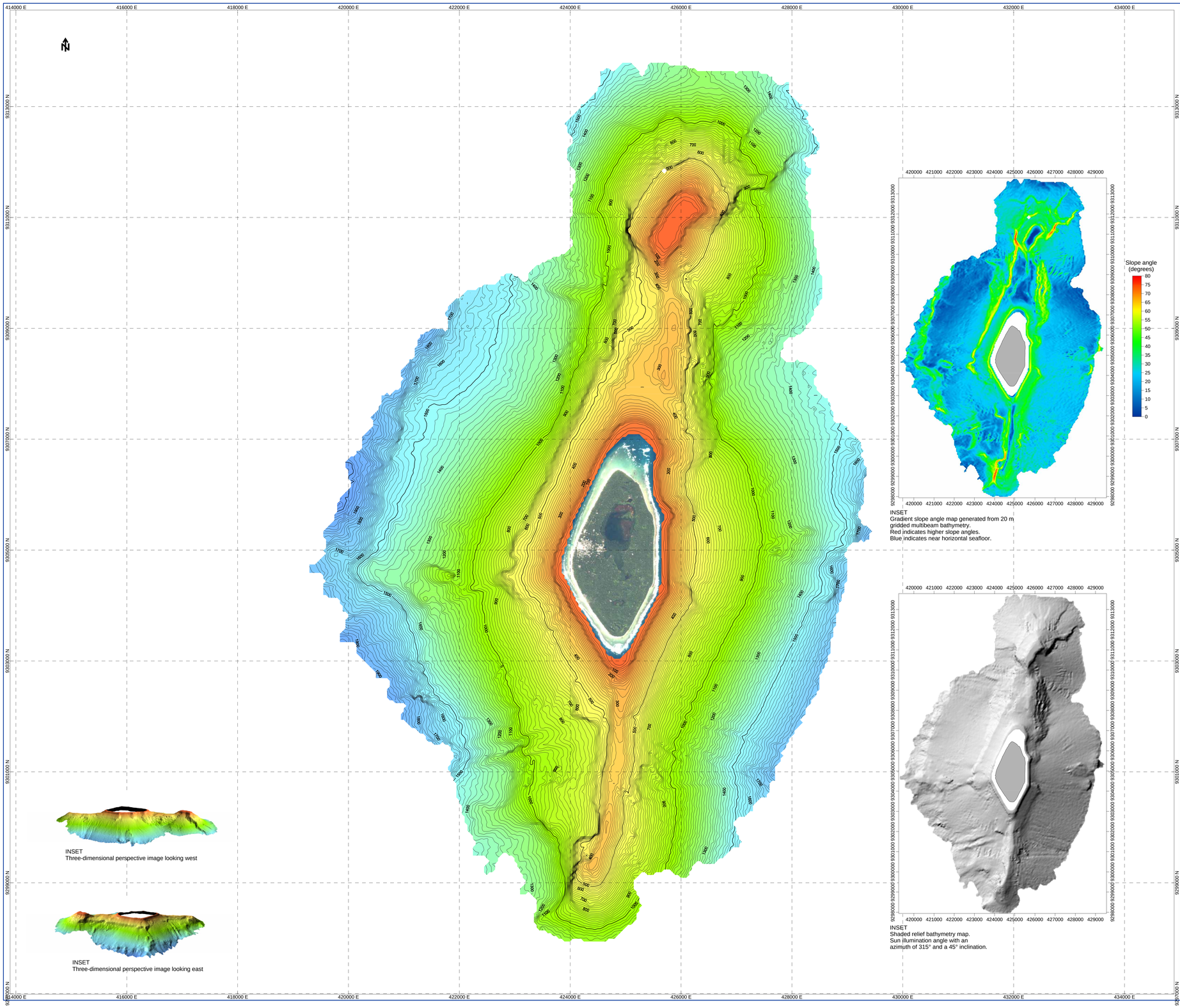


INSET
Three-dimensional perspective image looking west

INSET
Three-dimensional perspective image looking east

INSET
Gradient slope angle map generated from 20 m gridded multibeam bathymetry.
Red indicates higher slope angles.
Blue indicates near horizontal seafloor.

INSET
Shaded relief bathymetry map.
Sun illumination angle with an azimuth of 315° and a 45° inclination.

LEGEND

150 — Bathymetric contours shown at 20 metre intervals

Land area

Colour Banding
Bathymetry
Metres

100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100

NOTES

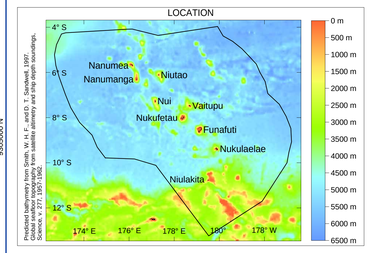
Observed soundings have been reduced to Chart Datum
defined as 0.7859 m below LAT,
1.985 m below mean sea level (MSL 1993-1994),
and 4.0123 m below the fixed height
of Benchmark 22 on Funafuti, Tuvalu

Date of Survey	08/09 to 24/10/2004
Acquisition system	Reson SeaBat 8160 multibeam echosounder
Collection software	Hypack 4.3
Processing software	Hypack 4.3A
Data presentation	Surfer 8.03
Survey vessel	M.V. Turagalevu

Backdrop image is a 2003 IKONOS satellite image rectified using differential GPS ground control points.

NOT TO BE USED FOR NAVIGATION

LOCATION



Predicted bathymetry from Smith, W. H. F., and D. T. Sandwell, 1997: Global seafloor topography from satellite altimetry and ship depth soundings. Science, v. 277, 1957-1962.

GEODETIC INFORMATION

Geodetic datum	WGS84
Ellipsoid	WGS84
Projection	UTM Zone 60 South
Horizontal positioning	Stand alone GPS

SCALE

Scale 1 : 25 000

0 500 1000 1500 2000

Metres

A0 Original

PROJECT TITLE

SOPAC

SOUTH PACIFIC APPLIED GEOSCIENCE COMMISSION
Private Mail Bag, GPO, Suva, Fiji Islands
www.sopac.org

SOPAC/EU Project:
Reducing Vulnerability of Pacific ACP States

DRAWING TITLE

NANUMANGA
TUVALU

BATHYMETRY

Chart no. 3, Drawing no. ER0050.3
Drawn by: Jens Kruger, Report Reference: ER0050