



36



Atoll  
Midway Islands  
Pearl and Hermes Atoll

H

A

W

A

United States

P

A

I

I

20  
35 Laysan I.

190 Gardner Pinnacles

122 La Perouse Pinnacle  
277 Necker I.

910 Nihoa

1281 Ni'ihau  
550 Ka'ula  
Kaua'i 5243  
O'ahu 4046

Honolulu

3370 Lāna'i  
1476 Kaho'olawe  
Maui 10023  
Mauna Kea  
13796  
Hilo

4969

37

PACIFIC

*I F I C*

TROPIC OF CANCER





39

# T E D S T A T E S

NEBRASKA

IOWA

COLORADO

KANSAS

OKLAHOMA

MISSOURI

NEW MEXICO

ARKANSAS

MISSISSIPPI

TENNESSEE

TEXAS

ALABAMA

MISSISSIPPI

GEORGIA

GULF OF MEXICO

San Antonio

Houston

New Orleans

Orlando

Monterrey

Ft. Lauderdale

Miami

Havana

Pinar del Río



St. John's  
St. John's  
**NOVA SCOTIA**

Halifax  
Fundy  
Sable Island  
Nova Scotia

Breton I.  
France  
MIQUELON

41

4228

ATLANTIC

N BASIN

3294

A

T

L

A

N

T

42

4903

Cape

R I D

Corvo Flores  
São Jorge  
Graciosa  
Terceira  
Faial

Pico 7713  
**AZORES**  
Portugal  
São Miguel  
Ponta Delgada  
Santa Maria

**PORTU**  
Li

Cape Sain

Stro

545

N T I O

Porto Santo  
Madeira 6106  
Funchal  
Ilhas Desertas

**MADEIRA ISLANDS**  
Portugal

Cas

Essa

M

Ag

12198  
**Santa Cruz**  
Fuerteventura  
Lanzarote  
Tenerife  
La Palma  
Gomera  
Hierro  
**Las Palmas**  
Gran Canaria  
Cape Blanc

**CANARY ISLANDS**  
Spain

Tarfa

Laayo

**WESTERN SAHARA**  
Morocco

Ad Dakhla

5638





Bay of Biscay

A Coruña  
Finisterre

Santander  
Bilbao

Limoges  
Toulouse

Marseille  
Pyrenees

Geneva  
Mt. Blanc +15780  
Turin

Genoa  
Nice  
Pisa  
MONACO  
VENICE

Ourense  
Vigo  
Oporto  
Salamanca  
Coimbra

Pamplona  
ANDORRA

Barcelona

Corsica  
Ajaccio  
Sardinia  
VATICAN CITY  
Nap

IGAL  
sbon

Valladolid  
Zaragoza  
Madrid

Balearic Is.  
Palma  
Majorca

Cagliari

SPAIN

Valencia

Murcia  
Cartagena

Palerm  
Tyr

Setúbal  
t Vincent

Córdoba  
Seville

Málaga

Granada

Algiers

Annaba  
Bizerte  
Tun

Cádiz  
Tangier

GIBRALTAR U.K.  
Ceuta Sp.  
Oran

Sétif

Constantine  
M

Kenitra  
Rabat

Fez  
Meknès  
Oujda

Batna

Sfa  
TUNISIA

Sabiha  
arrakech  
admir

MOROCCO

MOUNTAINS  
Melilla Sp.

Djelfa  
Biskra

Toubkal  
+13665

ATLAS MOUNTAINS  
Béchar

Laghouat  
Touggourt  
Ghardaïa  
Ouargla

Goulimine

Tabelbala

Timimoun

Great Western Erg  
Great Eastern Erg  
Ghad

ALGERIA

Tindouf

I-n-Salah

I-n-Amenas  
(In Amenas)

Al Farciya

Erg Iguidi

Reggane

Illizi

Bir Mogreïn

Erg Chech  
Tanezrouft

Aoulef

Arak

Hamada de

Djanet  
Ahaggar Mts.

+15720



44

Bucharest

Belgrade

Sofia

Istanbul

Bursa

Ankara

Athens

Izmir

Konya

Tripoli

Miṣrātah

Benghazi

Ajdābiyā

Alexandria

Cairo

Egypt

Libya

Jerusalem

Gaza City

Suez Canal

Boundary claimed by Sudan



45  
+18510

-92

16854

+18606

STATUS OF PALESTINE

*In November 2012 the UN General Assembly voted to elevate the diplomatic status of the "Palestinian territories to that of a "nonmember observer state." The creation of a formal Palestinian state remains subject to Israeli-Palestinian negotiations.*





47

Lop Nur

Altun Shan  
MOUNTAINS  
Muztag 22877

TEAU OF TIBET

N E P A L  
Kathmandu  
Lucknow  
Kanpur  
Varanasi  
Patna  
Gaya

I A

BHUTAN  
Dhaka  
Chittagong

BANGLADESH

C H I N A

Qaidam Basin  
Yellow River  
Yangtze River

Chongqing

Chengdu  
Chongqing  
Yibin  
Xichang  
Zhaotong  
Gu  
Panzh  
Dali  
Tengchong

Mandalay

Ranchi  
Jabalpur  
Haora

Namtu  
Monywa



**Beijing**

**Tianjin**

**Jinan**

**Handan**

**Luoyang**

**Zhengzhou**

**Wuhan**

**Changsha**

**Kunming**

**Guangzhou**

**Nanning**

**Jiangmen**

**Shenzhen**

**Hong Kong**

**Macau**

**Taipei**

**Kaohsiung**

**Shenyang**

**Fushun**

**Anshan**

**Dalian**

**Tangshan**

**Yantai**

**Zibo**

**Tai'an**

**Heze**

**Xuzhou**

**Nanjing**

**Hefei**

**Wuxi**

**Suzhou**

**Hangzhou**

**Shanghai**

**Ningbo**

**Nanchang**

**Wenzhou**

**Fuzhou**

**Pyongyang**

**Seoul**

**Incheon**

**Daegu**

**Busan**

**Gwangju**

**Nagasaki**

**Kyushu**

**Shaoxing**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**Ningbo**

**NORTH KOREA**

**SOUTH KOREA**

**SEA OF JAPAN (EAST SEA)**

**YELLOW SEA**

**EAST CHINA SEA**

**CHINA SEA**

**Taiwan Strait**

**TAIWAN RYU**

**Taipei**

**Tainan**

**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

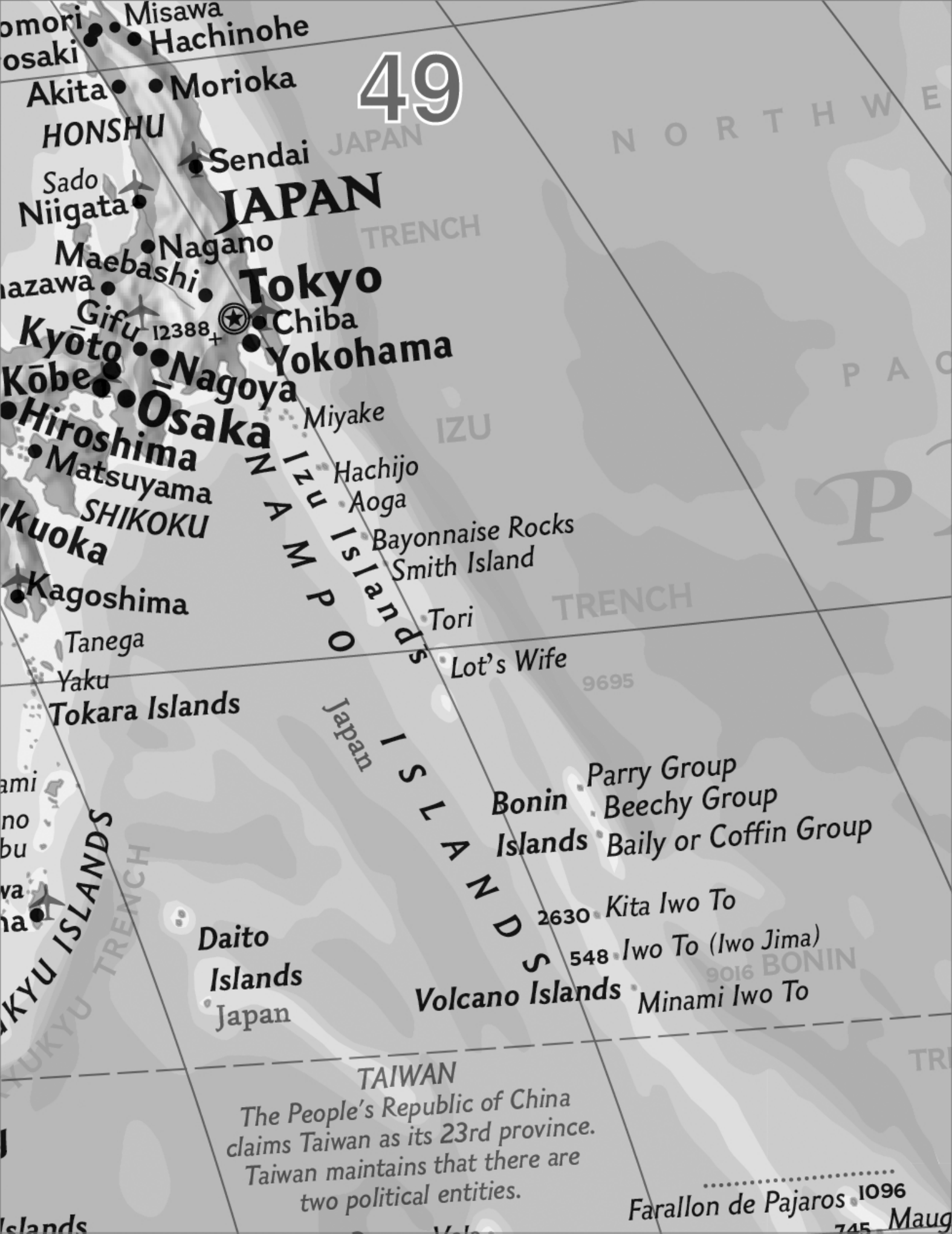
**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

**Kaohsiung**

**A**



Misawa  
Hachinohe

Akita  
Morioka

Sendai  
Niigata

Tokyo  
Nagano  
Maebashi

Yokohama  
Chiba  
Gifu  
Kyōto  
Nagoya

Osaka  
Hiroshima  
Matsuyama

Kyūshū  
Kagoshima  
Tanega  
Yaku  
Tokara Islands  
Miyake  
Hachijo  
Aoga  
Bayonnaise Rocks  
Smith Island

Izu Islands  
Tori  
Lot's Wife

Bonin Islands  
Parry Group  
Beechy Group  
Baily or Coffin Group

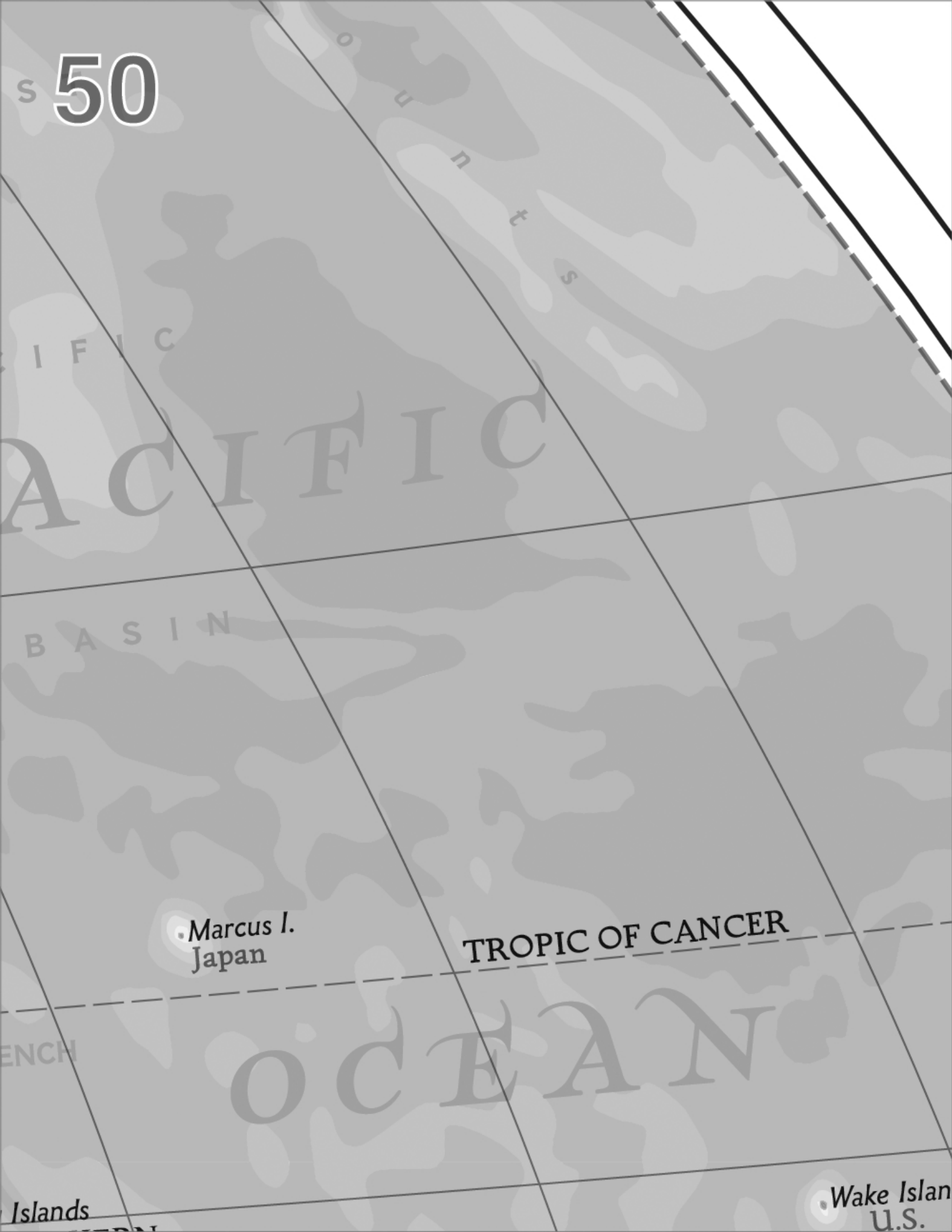
Volcano Islands  
Kita Iwo To  
Iwo To (Iwo Jima)  
Minami Iwo To

Daito Islands  
Japan

TAIWAN  
The People's Republic of China claims Taiwan as its 23rd province. Taiwan maintains that there are two political entities.

Farallon de Pajaros 1096  
745 Maug

s 50



PACIFIC

BASIN

• Marcus I.  
Japan

TROPIC OF CANCER

OCEAN

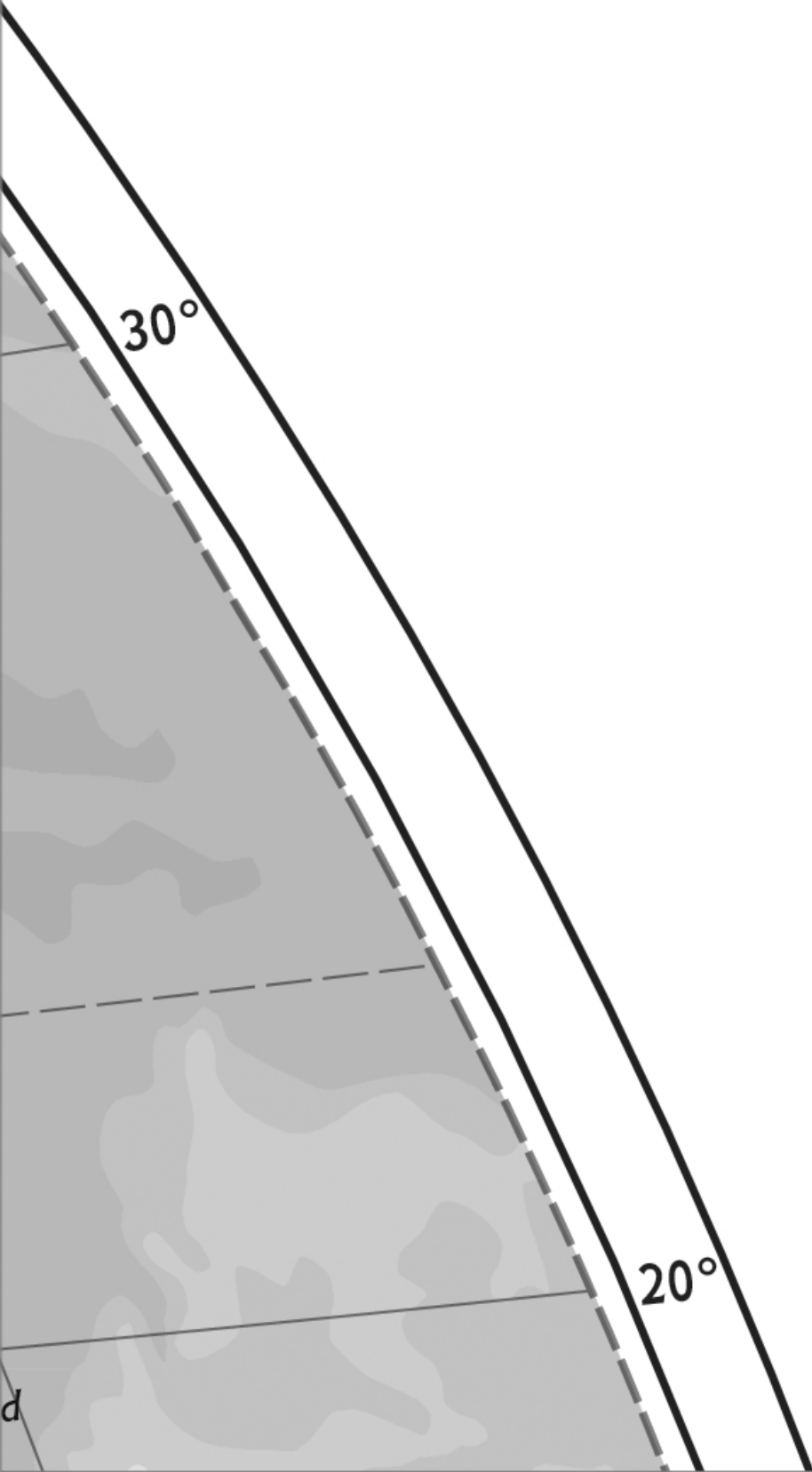
ENCH

Islands

• Wake Island  
U.S.



51



52



10°

2981

5582

0

7

Howland Island  
U.S. Baker Island

Johnston  
U.S.

Palmyra  
U.S.

EQUATOR

0°

53

ston Atoll  
U.S.

13679 Mauna Loa  
Hawai'i

O C E A

Kingman Reef U.S.

ra Atoll  
U.S.

Teraina (Washington)  
10  
Tabuaeran (Fanning)

Kiritimati  
(Christmas I.)

4170

DR



54

SIN

N

4610

55

Revillagigedo Islands  
Mexico  
Clarión I.  
Roca Partida I.  
San Benedicto I.  
Socorro I. 3707

Aguascalientes  
Guadalajara  
León  
Ciudad Guzmán  
Morelia  
Mexico C  
Taj

Acapulco  
Omet  
Point Mald  
Pu  
Gulf

Clipperton  
France

6661 MIDDLE

E



156

Mexico City  
Puebla

Mérida  
Yucatán Peninsula

Cancún  
Cozumel I.

CAYMAN IS.  
U.K.

Montego Bay  
JAMAICA

Oaxaca  
Tuxtla Gutiérrez  
Tapachula

GUATEMALA  
Guatemala City  
San Salvador  
EL SALVADOR

Belize City  
Belize  
San Pedro Sula  
La Ceiba  
Tegucigalpa  
HONDURAS

NICARAGUA

León  
Managua  
Lake Nicaragua

COSTA RICA  
San José

Granada  
Bluefields

PANAMA  
Panama City

Puerto Armuelles

PANAMA CANAL  
Balboa  
Colón

Cocos I.  
Costa Rica

COCOS RIDGE

Gulf of Panama

Medellín

Buenaventura  
Ibañez  
Cali

Popayán  
Esmeraldas  
ECUADOR

Isla Darwin  
San Salvador Cruz



**Greater Antilles**  
Haiti: Cap-Haïtien, Port-au-Prince  
Dominican Republic: Santo Domingo

**Lesser Antilles**  
Puerto Rico: San Juan  
St. Kitts and Nevis  
Antigua and Barbuda  
Montserrat  
Guadeloupe  
Dominica  
Martinique  
St. Lucia  
Barbados  
St. Vincent and the Grenadines  
Grenada

**South America**  
Venezuela: Maracaibo, Barquisimeto, Valencia, Caracas, Maracay, Ciudad Bolívar, Ciudad Guayana, Maturín, Cumaná, Port of Spain, Trinidad and Tobago  
Guayana Francesa: Georgetown, New Amsterdam, Linden, Nieuw Nickerie, Cottica

**Colombia**  
Bogotá, Villavicencio, Neiva, Calamar, Mitú

**Geographical Features**  
Gulf of Venezuela  
Lake Maracaibo  
Orinoco River  
Branco River  
Pico da Neblina (9823)  
Mt. Roraima (8986)  
Angel Falls  
Lethem  
Boa Vista  
Caracaraí  
San Carlos de Río Negro  
Novo Paraíso (3310)



58

Neth. & France

NEVIS  
BARBUDA  
K.

nce  
nce

AND THE GRENADINES

TOBAGO

own  
erdam  
ickerie  
aramaribo  
**SURINAME**  
St.-Laurent du Maroni  
Kourou  
Cayenne

**FRENCH GUIANA** France

Oiapoque  
erra de  
nucumaque  
Calçoene  
Amapá  
C. North  
Bailique  
Macapá  
Marajó

2961





Santo Antão 6493  
 São Vicente  
**CAPE VERDE**  
 São Nicolau  
 Sal  
 Boa Vista  
 Maio  
 Santiago  
 Praia  
 Fogo 9281

Cap Barbas  
 Nouadhibou  
 South Cape Blanco  
 Cape Timiris  
 Nouamrhar  
 Lagwira  
 Akjoujt  
**MAURITANIA**  
 Nouakchott  
 Rosso  
 St.-Louis  
 Thiès  
**SENEGAL**  
 Kaolack  
**GAMBIA**  
 Banjul  
 Ziguinchor  
**GUINEA-BISSAU**  
 Bissau 5043  
 Boké  
 Kindia  
**GUINEA**  
 Conakry  
**SIERRA LEONE**  
 Freetown  
 Robertsport  
 Monrovia  
 Buchana  
 Gree

St. Peter and St. Paul Rocks  
 Brazil



S A H

AZAWAD

TANIA

M A L I

N I G E R

BURKINA FASO

E A

T O G O  
B E N I N

N I G E R I A

CÔTE D'IVOIRE  
(IVORY COAST)

G H A N A

L I B E R I A

A b i d j a n

A c c r a

L a g o s

E Q U A T O R I A L  
G U I N E A

S A O T O M E  
A N D P R I N C I P E

G U L F O F G U I N E A

R Í O M U N I

6640

6634

5843

N i o r o d u S a h e l

N i g e r

L a k e  
V o l t a

N i g e r

T a o u d e n n i

S i l e t

T a m a n r a s s e t

T e s s a l i t

T i - n - Z a o u â t e n e

I f e r o u â n e

A r a o u a n e

B o û D j é b é h a

K i d a l

A n e f i s  
I - n - D a r a n e

T o m b o u c t o u  
(T i m b u k t u)

G o u n d a m

G a o

M é n a k a

A g a d e z

K i f f a N é m a

N a r a

M o p t i

N i a m e y

T a h o u a

T â n o u t  
N g u

K o u l i k o r o

S é g o u

D o s s o

M a r a d i

Z i n d e r

B a m a k o

O u a g a d o u g o u

S o k o t o

K a t s i n a

S i k a s s o

B o b o D i o u l a s s o

K a n d i

Z a r i a

K a n k a n

B a w k u

K a d u n a

a b a l a

T a m a l e

T a m a l e

P a r a k o u

J o s

B e y l a

B o u a k é

B o u a k é

A b u j a

é k o r é

M a n

M a n

I b a d a n

I f e

M a k u r e

G a g n o a

G a g n o a

K u m a s i

L a g o s

E n u g u

H a r p e r

H a r p e r

A c c r a

L a g o s

P o r t H a r c o u r

C a p e P a l m a s

C a p e P a l m a s

Y a m o u s s o u k r o

T e m a

C a l a b a r

S e k o n d i - T a k o r a d i

S e k o n d i - T a k o r a d i

S e k o n d i - T a k o r a d i

L o m é

M a l a b o

B I O K O

D o u

B a t

N k

L i b



Toummo  
A  
• Djado

Aozou  
A  
• Aozou  
• Aози  
Tibesti  
Mts.  
Emi Koussi +11204  
BORKOU  
Ennedi +4298  
Jebel 'Uweinat +6211

Abu Simbel  
A  
Wadi Halfa  
Nub  
Des  
Po

• Aney  
• Bilma

• Ounianga Kébir  
Faya  
Fada  
Koro Toro

Dongola  
Argo  
Karima  
Merco  
Ed Debba  
Ed Dame

R  
E  
• Migi

CHAD  
L D A R F U R  
Biltine  
Abéché  
Ati  
Geneina  
Marra Mts. +10131  
Nyala  
En Nahud

S U D A N  
Khartoum  
Wad Medani  
El Obeid  
Kosti

Lake Chad  
Potiskum  
• Mubi  
• Maroua

N'Djamena +5292  
Maiduguri  
Am Timan  
Birao  
Gabras

White Nile  
Kadugli  
Malakal  
Koc

Yola  
Garoua  
Moundou  
Mbé  
Garoua  
Boulai

Sarh  
CENTRAL  
Ndélé  
Bossangoa  
Bria  
Dobane  
Bambari  
Sibut

SOUTH  
SUDAN  
Wau  
Rumbek  
Akobo  
Bor

EROON  
Yaoundé  
Ebolowa  
Oyem  
reville  
Makokou

AFRICAN REPUBLIC  
Bangui  
Bangassou  
Bondo  
Gemena  
Lisala  
Bumba  
Basankusu  
Mbandaka

UGA  
Maridi  
Tambura  
Nimule  
Arua  
Gulu  
Bunia  
Kisangani  
Butembo  
Kase

CONGO

Congo  
Ubangi

Lake Albert



63



(Bombay) Mumbai

Hyderabad

Coimbatore

(Cochin) Kochi

(Trivandrum) Thiruvananthapuram

MALDIVES

Maldivian Islands

ARABIAN SEA

CARLSBERG RIDGE

Gulf of Khambhat

LAKSHADWEEP India

4651

2805

Minicoy I.

Ihavandiffulu Atoll

Makunudu Atoll

South Malosmadulu Atoll

Male

Ari Atoll

Male Atoll

Kolumadulu Atoll

Suvadiva Atoll

Jazirat Masirah

Ra's al Madrasah

Ra's ash Sharbatat

Kuria Muria Is.

's Mirbat

da

cotra Yemen

n (The Brothers)

/

Era Mulak



64

**Kolkata**  
(**Calcutta**)

**MYANMAR**  
(**BURMA**)

**Nagpur**

**Chandrapur**

**Warangal**

**Vijayawada**

**Bangalore**  
(**Bengaluru**)

**Chennai**  
(**Madras**)

**Puducherry** (Pondicherry)

**Tiruchchirappalli**

**Madurai**

**Jaffna**

**Trincomalee**

**SRI LANKA**

**Kandy**

**Colombo**

**Galle**

**Sri Jayewardenepura**

**Kotte**

**Cuttack**

**Bhubaneshwar**

**Brahmapur**

**Vishakhapatnam**

**Kakinada** (Cocanada)

(**Rangoon**) **Yangon**

**Mawlamyine**

**Nakhon Ratchasima**

**Bangkok**

**Isthmus of Kra**

**ANDAMAN ISLANDS**

India

**Port Blair**

*Little Andaman I.*

*Car Nicobar I.*

**NICOBAR ISLANDS**

India

*Great Nicobar I.*

**Banda Aceh**

**Phuket**

**George Town**

**Kutanibong**

**Medan**

**Simeulue**  
**Pematangsiantar**

**Sibolga**

**Nias**

**Pel**

B A Y

O F

B E N G A L

Andaman Sea

1842

G E

O

+ 3786

+ 8415

3601

2705

+ 8281

+ 11371

Atoll



65

Hanoi

Haiphong

Nam Dinh

Thanh Hoa

Vinh

Haikou

Dongfang

HAINAN

Sanya

Dong Hoi

Quang Tri

Hue

Da Nang

8524

VIETNAM

Pleiku

Qui Nhon

Buon Me Thuot

Nha Trang

Da Lat

Cam Ranh

Bien Hoa

Ho Chi Minh

City

Can Tho

Nam Can

Con Son Is.

CAMBODIA

Phnom

Penh

Angkor::

Kampong Cham

Nakhon Si

Thammarat

Songkhla

Kota Baharu

Taiping

Ipoh

Kuantan

MALAYSIA

Kuala Lumpur

Johor Baharu

SINGAPORE

Bintan

Kuching

Lingga

Bandar Seri Begawan

BRUNEI

Natuna Islands

MALAYSIA

Sibu

BORNEO

9800

Sanggulirang

Tolito

Luzon

Strait

Pratas I.

Laoag

Vigan

9626+

Mt. Pinatubo

4875

Batangas

Naga

Mindoro

Palawan

Puerto

Princesa

6890+

Balabac

Zamboanga

13455 Kinabalu

Kota Kinabalu

SABAH

Tawau

Tarakan

Tolito

SOUTH CHINA SEA

Spratly

Islands

Palawan

Puerto

Princesa

6890+

Balabac

Zamboanga

13455

Kinabalu

SABAH

Tawau

Tarakan

Tolito

Gulf of Thailand

Malay Peninsula

Peninsular Malaysia

Malay Peninsula

Malay Peninsula

Malay Peninsula

Malay Peninsula

Malay Peninsula

Malay Peninsula

Malay Peninsula

66



PHILIPPINE

SEA

Manila

PHILIPPINES

Legazpi

Calbayog Samar

Roxas City

Leyte

Cebu

City

Cagayan de Oro

MINDANAO

Davao

General Santos

Talaud Is.

Sangihe Is.

Siau

Manado

Halmahera

Ternate

PALAU

Babelthuaap

Yap Islands

Ngulu Atoll

Melekeok

Sonsorol Islands

Merir

Helen I.

Tobi

Morotai

Mapia Is.

2923 Asuncion

3166 Agrihan

1870 Pagan

Alamagan

988

1801 Sarigan

2585

1529 Saipa

614 Tinian

1627 Rot

1332

Hagåtña

(Agaña)

Challenger Deep -1099

Ulithi Atoll

Fais

Sorol Atoll

Woleai Atoll

Eauripik Atoll

FEDER

CAROLINEAN

M

Waisih



67

NORTHERN  
MARIANA  
ISLANDS  
2441 U.S.

Guguan  
Anatahan  
Farallon de Medinilla 266

Capital Hill

GUAM  
U.S.

MARIANA TRENCH

NORTHEAST TRADE WINDS

Enewetak Atoll

Ujelang Atoll

Rongelap Atoll  
Wotho Atoll

Kwajalein

Gaferut

Ifalik Atoll  
West Fayu

Namonuito Atoll  
Hall Is.

Satawal  
Pulap Atoll

Pulusuk  
Chuuk (Truk Is.)

Losap Atoll  
Oroluk Atoll

Mortlock Is.

Senyavin Is.

Palikir  
Ngatik Atoll

Pohnpei (Ponape)

Mokil Atoll  
Pingelap Atoll  
Kosrae

UNITED STATES OF MICRONESIA

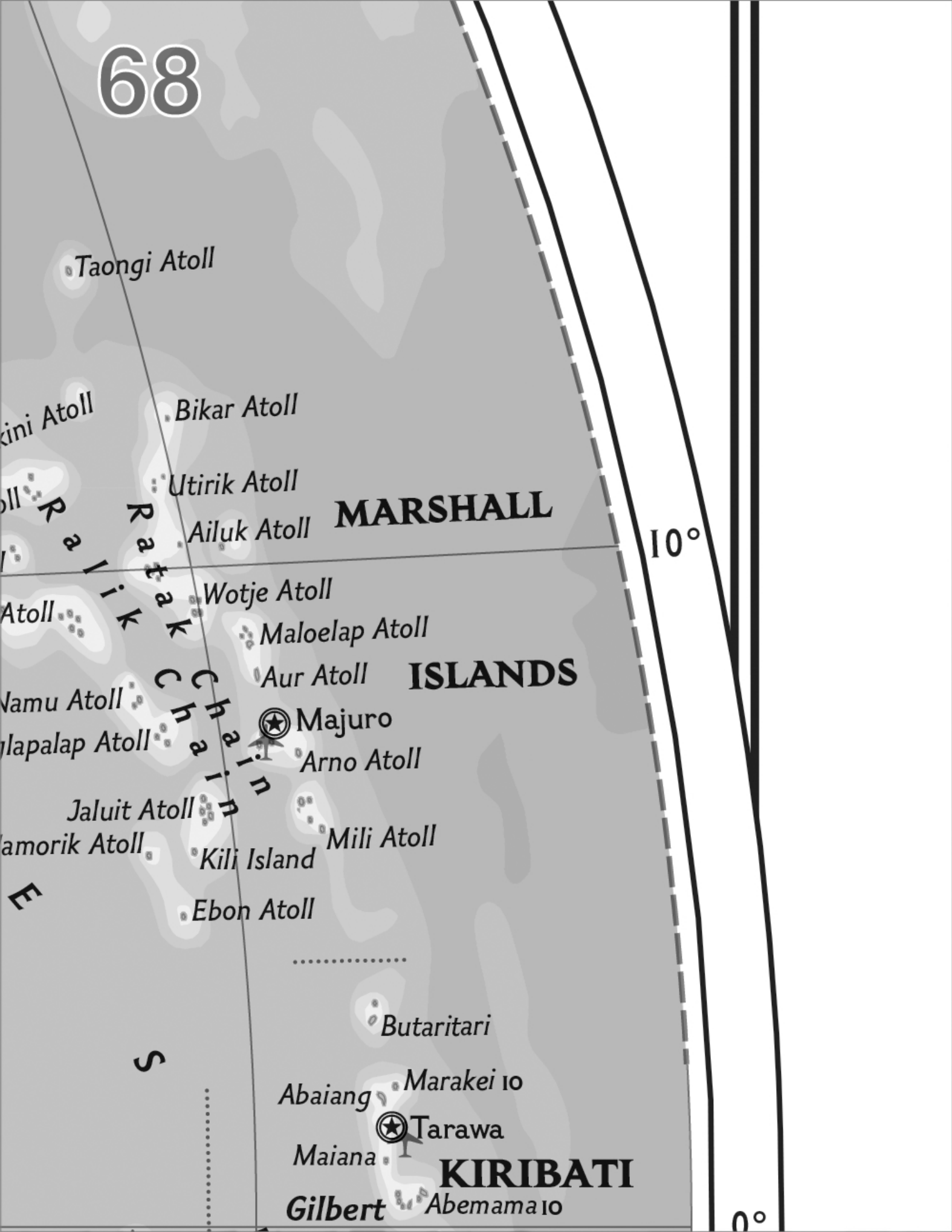
Nukuoro Atoll

LINE ISLANDS

ISLANDS

Kapingamarangi Atoll

EQUATOR



Taongi Atoll

ini Atoll

Bikar Atoll

Utirik Atoll

Ailuk Atoll

**MARSHALL**

Atoll

Wotje Atoll

Maloelap Atoll

Aur Atoll

**ISLANDS**

Namu Atoll

Majuro

Arno Atoll

lapalap Atoll

Jaluit Atoll

Mili Atoll

amorik Atoll

Kili Island

Ebon Atoll

Butaritari

Abaiang

Marakei 10

Tarawa

Maiana

**KIRIBATI**

Gilbert

Abemama 10

10°

0°