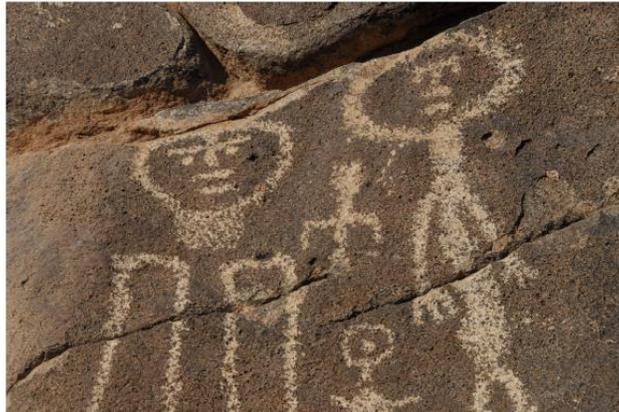
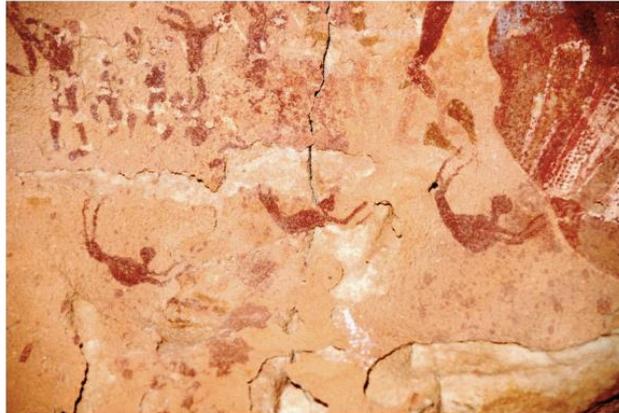


Rock Art Studies Bibliographic Database



Leigh
Marymor,
Compiler

KEYWORD GUIDE

A joint project of the Museum of Northern Arizona and the
Bay Area Rock Art Research Association

3rd Draft



Mortars, cupules, and pecked curvilinear nucleated forms. Canyon Trail Park, San Francisco Bay Area, California, USA.

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INTRODUCTION:

*THUS THE GREATEST
CONTRIBUTION THIS
DATABASE MAKES TO THE
DISCIPLINE IS ITS CREATION OF
A MINIMUM BASELINE,
DEFINING WHAT IS AN
ADEQUATE KNOWLEDGE LEVEL
TO CONTRIBUTE CREDIBLY TO
THIS FIELD.*

(ROBERT G. BEDNARIK)¹

The aim of the RASBdb keyword guide is to support nuanced searches of the world's rock art literature. With the advent of the Systematic Quantitative Literature Review (SQLR)² methodology making its way into academic rock art research, it is hoped that this keyword guide will assist students and researchers in expanding their familiarity with the body of research that impacts their research questions.

A link to a helpful database users' tutorial is available on the RASBdb home page at the Museum of Northern Arizona website³. The tutorial provides pointers on how to search and sort the database. Users can quickly learn the simple commands that will result in time-efficient explorations of the literature.

¹ Bednarik, Robert G. (2018). Preface to: Paleolithic Rock Art: A Worldwide Literature Survey Extracted from the Rock Art Studies Bibliographic Database for the Years 1864–2017. *Arts*. 7(2): 1-2. MDPI AG, Basel. Retrieved from <http://www.mdpi.com/2076-0752/7/2/14>

² For example see: Alandoni, Andrea; Taçon, Paul and Haubt, Robert (2019). A Systematic Quantitative Literature

As a cloud-based online resource, the RASBdb is continually updated in real time. Current research is continually entering the database and entries of older publications are continually being backfilled into it. Corrections and expansion of the data within the data fields is ongoing, often supported by user feedback and contributions.

The RASBdb at more than 42,400 citations is a very large, perhaps the world's largest, compilation of citations to rock art literature. It is, however, not without limitations. There are a number of reasons a region's rock art resources may be under represented in the database. Among these are: widely varying amounts of governmental and private support for rock art research around the globe; research has not been published; research is self-published or is gray literature with limited access to restricted governmental or private holdings; research is published but narrowly disseminated and rarely cited; research is published in languages that fall outside the compiler's skill set (e.g. Chinese, Russian, Hindi, Farsi, etc.); research is very current and not yet disseminated or cited. For these reasons, it is always recommended to test keyword searches over a wide variety of search engines and print resources.

Review of Southeast Asian and Micronesian Rock Art. *Advances in Archaeological Practice*. pp. 423-434. Cambridge University Press. Retrieved from <https://doi-org.libaccess.sjlibrary.org/10.1017/aap.2019.10>
³ https://musnaz.org/search_rock_art_studies_db/

SUBJECT Keywords:

The Subject Keywords found below while not exhaustive do represent a wide sampling of tag words found in the RASBdb Subject Keyword field.

CULTURAL CONTEXT

Motif Distribution; Site Distribution; Style Area; Style region

CULTURAL RESOURCE MANAGEMENT

Cultural Tourism

Eco-tourism; economic development; guide book; guided tour; visitor access

Community Involvement

Aboriginal ranger program; advocacy; custodian; political awareness; public awareness; site steward; volunteer

Condition Assessment

Evaluation; risk map; Rock Art Stabilization Index (RASI); visitor log book

Conservation

Conservator, Rock Art

Consultation

Documentation

Archeological site record; rock art recording form

Impacts, Environmental

Accretions; algae; animals; biodeterioration; biofilm; biological; climate; climate control; deterioration; dust; earthquake;

erosion; exfoliation; fire; fungi; humidity; insect; lichen; lichen removal; microclimate; mineral coating; moisture; pollution; seismic activity; soil erosion; spalling; temperature; water; wave; erosion; weathering; wind

Impacts, Human

Boulder displacement; bouldering; camp fire; development; eco-tourism; foot traffic; graffiti; ignorance; industry; mass tourism; mining; off-road vehicles (OHV); oil and gas development; over exposure; rock climbing; smoke blackening; sustainable tourism; theft; touch; vandalism; visitor behavior; walking on; In Situ, move from

Legal Protection

Civil suit; criminal charges; law; legislation; prosecution; regulation

Management Plan

Monitoring

Condition assessment; visitor survey; vehicle survey; mobile phone application

Physical Intervention

Barrier; boardwalk; drip line; dust control; facsimile; fence; infrastructure; interpretive center; interpretive sign; low rail barrier; platform; psychological barrier; replica; site improvements; stabilization; structures; trail

Public Interpretation

Brochure; docent; guided tour; interpretive center; interpretive sign; pamphlet; public education; virtual tour

KEYWORD GUIDE

Preservation

Significance

Aesthetic value; Heritage; cultural value; economic value; monetary value

Stakeholders

Stewardship

Conservancy; custodian; land management agency; land manager; land trust; site steward

DATING

Chronology; Desert Varnish; Mud Wasp Nest; Patina; Relative Dating; Stratigraphy; Stylistic Dating; Superposition; Superimposition

DIRECT DATING: PETROGLYPHS (ROCK CARVINGS; ROCK ENGRAVINGS)

Accretions

AMS radiocarbon dating; calcite, calcium; U/Th dating; U/Th dating radiocarbon

Cation Ratio Analysis

Cosmogenic Nuclide Analysis

Depictions of Objects with Age Information

Luminescence Dating

Mud wasp nest

Obsidian Hydration

Rock Varnish

Organic inclusions

Stratified Deposits

Weathering Indices

Microerosion dating

DIRECT DATING: PICTOGRAPHS (PICTOGRAMS; ROCK PAINTINGS)

Accretions

AMS radiocarbon dating; calcite, calcium; U/Th dating; U/Th dating radiocarbon

Beeswax

AMS radiocarbon dating

Charcoal Pigments

Conventional pretreatment with AMS radiocarbon dating; Plasma extraction of organic carbons with AMS radiocarbon dating

Cosmogenic Nuclide Analysis

Depictions of Objects with Age Information

Luminescence Dating

Mud wasp nest

Stratified deposits

Stylistic analysis

DOCUMENTATION

Aerial Photography

Balloon; Drone

Archival storage

Image database; image inventory; site inventory

Augmented Reality

Artificial intelligence; Virtual reality

Bias

Cultural bias; Eurocentricity; subjectivity

Casts

Foil; latex; molds; plaster; silicon; thermoplastic resin

Classification

Element identification; nomenclature; terminology, typology

Digital Sound Recording

Digital Storage

Computer database; data entry; data retrieval; data storage

KEYWORD GUIDE

- Drawing
Accuracy; inaccuracy; scale
drawings; sketching; string grid
- Historic Documentation
Historic photographs
- Laser Scanning
3D scanning; Laser Induced
Breakdown Spectroscopy (LIBS)
- Lighting
Artificial light; bright sunlight,
electronic flash; infra-red; night
lighting; oblique lighting;
polarized; side lighting
- Mapping
Cartography; Geographic
Information System (GIS); Global
Positioning Systems (GPS); relational
database; survey; textural mapping
- Mobile Phone App
DStretch; LabStretch; interpretive
applications; RockCare
- Multidimensional Scaling
Spatial relationship
- Panorama
Gigapan; Gigapixel imaging;
photomosaic
- Photo Enhancement
Adobe Photoshop, color calibration;
color correction; decorrelation
stretch; DStretch; image
enhancement; ImageJ; LabStretch
- Photogrammetry
Agisoft Photo Scan / Metashape
Professional Software1; Algebraic
Point Set Surfaces (APSS); AsTrend;
close-range; digital rubbing;
Sketchfab; Structure from Motion
(SfM), three dimensional modelling
(3D)
- Photography
Bright sunlight; Camera Lucida;
camera mount; cross-polarization;
- distortion; electronic flash; infra-red;
IPad; microphotography; spherical
photography; stereophotography
- Recording Methodology
IFRAO scale; photo calibration scale;
recording forms; recording
standards
- Remote Sensing
Image based 3D modeling; LIDAR;
terrestrial laser scanning; terrestrial
photogrammetry
- Rubbing
Catalog of; cloth; damage from;
digital rubbing; ink; paper;
promotion of; reproduced from;
rubbing technique; tactigraphy; wax
- Site Record
Archaeological site record, Rock Art
recording form
- Site Survey
Field school; robots; volunteers
- Spatial Imaging System
- Stratigraphy
Deposition; erosion; Harris Matrix;
micro-stratigraphy; palimpsest;
sedimentation; sedimentology;
superimposition; superposition
- Surface Feature Enhancement
MeshLab Radiance Scaling
enhancement; Reflectance
Transformation Imaging (RTI);
shading; surface features
- Tracing
Acetate; copying; from photographs;
from slides; in situ; mylar;
stratification techniques; tactigraphy
- Traditional Knowledge
Oral history
- Video
Multimedia; Social media

EDUCATION

Archive; art education; assessments; audio visual; classroom; computer; curricula; database; digital media; film; interpretive center; media; museum display; print materials; post-graduate; primary; public; publications; replica; secondary; signage; social media; symposia; tactile; undergraduate; values oriented; visual-spatial; volunteers

ETHICS

Academic integrity; behavior; chalking; code of ethics; commodification, confidential informants; conflicts of interest; copyright; cultural appropriation; cultural heritage law; cultural property rights; deontology; ethnocentrism; field samples; guidelines for visiting rock art sites; intellectual property rights; lichen removal; Indigenous rights; professional norms; professional vandalism; repainting; retouching; reversibility; significance; site etiquette; touching; values

HERITAGE

Community Heritage; Cultural property; National Heritage; Patrimony; World Heritage

ICONOGRAPHY

Arborglyph

Dendroglyph, tree bark drawing

Classification

Element list; typology

Iconography Search Terms, Examples of

Abraded, abstract; anthropic; anthropomorph; archaic, bas-relief; Chalcolithic; circle; circular; classification; cross hatch; cup-and-groove; cup-and-ring; cup mark; cupule; dots; dynamic figure; element; element inventory; engraved; entoptic; epigraphic; epigraphy; figurative; finger fluting; geometric; glyph; grid; groove; hand print; hand stencil; historic; Holocene; hunter-gatherer; icon; image; incised; line; linear; maze; meander; motif(s); Neolithic; nomadic; painted; Paleolithic; pastoral; pecked; phosphene; pit; Pleistocene; post-contact; prehistoric; protohistoric; representational; schematic; scratched; serpentine; sign; spiral; starburst; symbol; therianthrope; typology; zigzag; zoomorph

Mobiliary (Portable) Art

Bone; ivory; pebble; shell; slate

Pigment

Animal fat; aragonite; azurite; albuminous; binder; bird guano; blood proteins; celadonite; charcoal, cinnabar; clay; color classification; copper; fading; fugitive; grinding stones; hematite, gypsum; inorganic; iron oxide; kaolin; langite; lead; limonite; malachite; manganese; mineral; ochre; paint; pigment cakes; pigment loss; pigment sample removal; pigment stick; recipe; serpentine; source; spangolite; urine; volkonsoite

Pigment Analysis

AMS dating of beeswax pigments; chromatic measurement; conventional pretreatment with AMS radiocarbon dating; Gas Chromatography–Mass Spectroscopy (GC–MS); inorganic pigments; infrared analysis; Laser ablation-induced coupled plasma-mass spectrometry (LA-ICP.MS); Mössbauer Spectroscopy; nuclear microscopy; physical- chemical analysis, SEM-EDX; PIXE analysis; plasma extraction of organic carbon with radiocarbon dating; Portable Energy Dispersive X-Ray Fluorescence (EDXRF) spectrometer; Portable X–ray Fluorescence (pXRF) scanning; Raman spectroscopy; scanning electron microscopy; spectroscopic analysis; Synchrotron X-ray Diffraction; X-ray diffraction; X-ray fluorescence

Rock Feature Incorporation

Bas-relief; cave wall contours, cracks; edges; folds; holes; rock angles; serrated edges; steps; three-dimensional representations; wall morphology; Yoni

Technique

Experimental replication

INDIGENOUS WORLDVIEW

Exploitation; custodian; ethnography; Indigenous intellectual property; Indigenous property claims, most-likely descendants; post-colonial contact; repaint; retouch; ritual desecration; sacred site

INTERPRETATION, EXAMPLES OF

Altered states of consciousness; animism; Archaeoacoustics; Archaeoastronomy; archetypes; art for art’s sake; beliefs; ceremony; boundaries; clan; entoptics; fertility; gender; hunting; meaning; myth; mythology; religion; ritual; shamanism

ORIGINS OF ART

Body paint; cognition; first art; language; perception; perspective; sign-gesture language; taphonomy; writing

RESEARCH MODALITIES, EXAMPLES OF

Aesthetics; Archaeoacoustics; Archeoastronomy; Archaeology; Archeometry; Anthropology; Art History; Chemistry; Climatology; Cognitive Psychology; Education; Forensics; Geochemistry; Geology; Hermeneutics; Karstology; Microbiology; Morphology; Museology; Nuclear Chemistry; Neuropsychology; Ontology; Palynology; Phenomenology; Semiotics

ROCK FEATURES

Cairn

Cist; rock pile; tomb

Dolmen

burial chamber; Cromelech; Orthostat; passage grave; passage tomb;

KEYWORD GUIDE

Effigy Mound

Effigy stone

Buffalo stone; ribstone

Geoglyph

Ground drawing; ground figure;
jeroglyph; petroform; stone inlay

Grinding Slick

Bedrock metate; Grinding stone

Intaglio

Cleared circle

Kerb Stone

Labyrinth

Lithophone

Medicine Rock

Medicine stone spirit stone; trail
shrine

Megalith

Manitou stone; masebah;
masebath; menhir; standing stone;
Monument

Mortar

Pareidolia

Natural rock forms with perceived
animate shapes

Ringing Rock

Bell rock; rock gong

Rock Alignment

Stone alignment; windrow

Rock Basin

Cauldron; pothole

Rock Circle

Calderstones; henge; stone circle

Rock Ring

dance circle; hunting blind; medicine
wheel; prayer circle; rock enclosure;
sleeping circle; tipi ring; vision circle

Rock Slide

Rock chute

Rock Wall

Trincheras

Sculpture

Statue

Sculptured Rock

rock cut relief; rock relief; sculpted
rocks; e.g. architectural

Speleotherm

Stele

Deer Stone; statue-stele; pl. stelae

Tumulus

pl. Tumuli

Wing Trap

Desert kite; drive line; fish trap; fish
weir

ROCK ART STUDIES

Bibliography

Database

History of research

Historiography; Rock Art Studies

Bibliographic Database; Systematic

Quantitative Literature Review

(SQLR)

SEMIOTICS

Composition; grapheme; graphic
communication; heraldic; ideogram;
narrative; notational system;
pictogram; psychogram; rock
writing; scene; sign; symbol; syntax

SITE CONTEXT

Archaeological Context

Cultural Context

Motif distribution; site distribution;
style area

Historic Context

Landscape Context

Geomorphology; landforms; macro view; micro view; resource area; viewshed

Local jurisdiction and site specific place names are far too numerous for inclusion in the scope of this guide. However, see “Australia” for an example of regional rock art place name-specific keywords.

TEMPORAL DIVISIONS, EXAMPLES OF

Aurignacian; Archaic; Azilian; Bronze Age; Chalcolithic; Copper Age; Epigravettian; Formative; Gravettian; Historic; Holocene; Hunter-gatherer; Ice Age; Iron Age; Magdalenian; Metal Age; Mesolithic; Middle Age; Medieval; Neolithic; Paleolithic; Pastoral; Pleistocene; Post-paleolithic; Post contact; Prehistoric; Protohistoric; Roman Period; Solutrean

Not every place name listed here is associated with a rock art site. The guide errs on the side of a robust listing of country and regional names.

CENTRAL AFRICA

Cameroon
Central African Republic
Congo (formerly Zaire)
Equatorial Guinea
Gabon
Republic of Congo
Rwanda
Sao Tome & Principe

PLACE NAME Keywords:

Place names in the RASBdb can be searched from the macro to micro scale. Place name tags range from "World" (for non-place specific, broad topics) to increasingly specific tags indicating: Continent, Geographic Region, Country, State or Province, Local region, District or County, City, Site Place Name, and/or Archaeological Site Number.

The Place Name keyword guide includes macro scale place names arranged by continent and subdivided by country name. For the most part it is countries with more than 100 citations in the RASBdb or with significant rock art resources that are detailed with additional governmental and physiographic place names.

EAST AFRICA

Burundi
Cornoors
Djibouti
Eritrea
Ethiopia
Kenya
Madagascar
Malawi (formerly Nyasaland)
Mauritius
Mayotte (France)
Mozambique
Réunion (France)
Seychelles
Somalia
South Sudan

Tanzania (formerly **Tanganyika**)

Regions:

Arusha; Dar es Salaam; Dodoma;
Geita; Iringa; Kagera; Katavi;
Kigoma; Kilimanjaro; Lindi; Manyara;
Mara; Mbeya; Morogoro; Mtwara;
Mwanza; Njombe; Pemba North;
Pemba South; Pwani; Rukwa;
Ruvuma; Shinyanga; Simiyu; Singida;
Tabora; Tanga; Zanzibar North;
Zanzibar South and Central; Zanzibar
West

Physiographic regions:

Coastal plain; central plateau; lake
region; highlands

Deserts:

Nyiri Desert; Sahara Desert

Mountains:

Mount Kilimanjaro

Rivers:

Nile River; Congo River; White Nile
River; Zambezi River

NORTH AFRICA

Algeria

Provinces:

Adrar; Aïn Defla; Aïn Témouchent;
Algiers; Annaba; Batna; Béchar;
Béjaïa; Biskra; Blida; Bordj Bou
Arréridj; Bouira; Boumerdès; Chief;
Constantine; Djelfa; El Bayadh; El
Oued; El Tarf; Ghardaïa; Guelma;
Illizi; Jijel; Khenchela; Laghouat;
M'Sila; Mascara; Médéa; Mila;
Mostaganem; Naama; Ouargla;

Relizane; Saida; Sétif; Sidi Bel Abbes;
Skikda; Souk Ahras; Tamanghasset;
Tébessa; Tiaret; Tindouf; Tipasa;
Tissemsilt; Tizi Ouzou; Tiemcen

Physiographic Regions:

Mediterranean Sea; Atlas
Mountains; Hauts Plateaux

Deserts:

Sahara Desert

Mountains:

Ahaggar Mountains

Rivers:

Dry oueds (wadis)

Canary Islands (Provincia de Canarias, Spain)

Islands of Canary Islands:

El Hierro; Fuerteventura ; Gran
Canaria; La Gomera; La Graciosa;
Lanzarote; La Palma

Provinces:

Las Palmas; Santa Cruz de Tenerife

Physiographic Regions:

Volcanic islands

Chad

Regions:

Batha; Chari-Baguirmi; Hadjer-
Lamis; Wadi Fira; Bahr el Gazel;
Borkou; Ennedi-Est; Ennedi-Ouest;
Guéra; Kanem; Lac; Logone
Occidental; Logone Oriental;
Mandoul; Mayo-Kebbi Est; Mayo-
Kebbi Ouest; Moyen-Chari; Ouaddaï;

KEYWORD GUIDE

Salamat; Sila; Tandijilé; Tibesti;
N'Djamena

Physiographic Regions:

Tibesti Mountains; Ennedi Plateau;
Ouaddaï Highlands; Guéra Massif;
Mandara Mountains

Deserts:

Sahara Desert; Sahel region

Mountains:

Tibesti Mountains

Rivers:

Chari and the Logone Rivers and
their tributaries

Egypt

Governorates (muhāfazāt):

Alexandria; Aswan; Asyut; Beheira;
Beni Suef; Cairo; Dakahlia; Damietta;
Faiyum; Gharbia; Giza; Ismailia; Kafr
El Sheikh; Luxor; Matruh; Minya;
Monufia; New Valley; North Sinai;
Port Said; Qalyubia; Qena; Red Sea;
Sharqia; Sohag; South Sinai; Suez

Physiographic Regions:

Nile Valley and Delta; Western
Desert (aka Libyan Desert); Eastern
Desert (aka Arabian Desert); Sinai
Peninsula

Deserts:

Eastern Desert (aka Arabian Desert);
Great Sand Sea; Western Desert (aka
Libyan Desert)

Mountains:

Mount Catherine (Gabal Katrîne);
Red Sea Hills; Mount Sinai (Jabal
Musa)

Rivers:

Nile River

Libya

Provinces and Districts:

Cyrenaica:

Butnan; Derna; Jabal al Akhdar;
Marj; Benghazi; Al Wahat; Kufra

Fezzan:

Jufra; Wadi al Shatii; Sabha; Wadi al
Hayaa; Ghat; Murzuq

Tripolitania:

Sirte; Misrata; Murqub; Tripoli;
Jafara; Zawiya; Nuqat al Khams;
Jabal al Gharbi; Nalut

Physiographic Regions:

Coastal plains; northern mountains;
internal depressions; southern and
western mountains

Deserts:

Libyan Desert; Sahara Desert; Great
Sand Sea. Calansho Desert; Murzuq
Desert; Rebiana Sand Sea

Mountains:

Acacus Mountains (aka Tadrart
Acacus); Gabal El Uweinat; Nafusa
Mountains; Tibesti Massif

Rivers:

Dry oueds (wadis)

Morocco

KEYWORD GUIDE

Regions:

Tanger-Tetouan-Al Hoceima;
Oriental; Fès Meknès; Rabat-Salé-
Kénitra; Béni Mellal-Kénifra;
Cassablanca-Settat; Marrakesh-Dafi;
Drâa-Tafialet; Souss-Massa;
Guelmim-Oued Noun; Laâyoune-
Sakia El Hamra; Dakhla-Oued Ed-
Dahab

Physiographic Regions:

Er Rif Highlands; Atlas Mountains;
Taza Depression; Coastal Plains;
Southern Plains and Valleys
(merging with the Sahara Desert)

Deserts:

Sahara Desert

Mountains:

Atlas Mountains; Anti-Atlas
Mountains

Rivers:

Draa; Oum Er-Rbia; Moulouya;
Sebou; Dades; Ziz; Tensift; Bou
Regreg; Sous; Loukkos

Republic of Sudan

Regions:

Northern; Khartoum; River Nile;
Gezira; Red Sea; Sennar; White Nile;
North Kordofan; Kassala; Qadarif;
West Darfur; South Darfur; South
Korfofan; Blue Nile

Physiographic Regions:

Flat plains punctuated by several
mountain ranges

Deserts:

Nubian Desert

Mountains:

Marrah Mountains; Nuba Hills; Red
Sea Hills

Rivers:

Blue Nile; White Nile

Tunisia

SOUTH CENTRAL AFRICA

Angola

Zambia (formerly Northern Rhodesia)

Zimbabwe (formerly Rhodesia)

Provinces:

Bulawayo; Harare; Manicaland;
Mashonaland Central; Mashonaland
East; Mashonaland West; Masvingo;
Matabeleland North; Matabeleland
South; Midlands

Physiographic Regions:

High inland plateau (high veld);
Zambezi valley; Limpopo valley

Mountains:

Eastern Highlands

Rivers:

Buzi; Limpopo; Pungwe; Save;
Zambezi

SOUTHERN AFRICA

Botswana

KEYWORD GUIDE

Rural Districts:

Southern; South-East; Kweneng;
Kgatleng; Central; North-East;
Ngamiland; Chobe; Ghanzi;
Kgalagadi

Physiographic Regions:

Kalahari Desert; Hardveld; Okavango
Delta

Deserts:

Kalahari Desert

Mountains:

Kgale Hill, Monalanong Hill; Otse
Hill; Tsodilo Hills; Tswapong Hills

Rivers:

Zambezi; Limpopo; Okavango

Lesotho

Districts:

Berea; Butha-Buthe; Liribe;
Mafeteng; Maseru; Mohale's Hoek;
Mokhotlong; Qacha's Nek; Quthing;
Thaba-Tseka

Physiographic Regions:

Lowlands; Highlands; Foothills

Mountains:

Maloti Mountains (part of the
Drakensberg Range)

Rivers:

Orange River (Senqu River); Caledon
River (Mohokare River); Little
Caledon River; Ngoe River; Tele
River; Makhaleng River; Senqunyane
River; Mantsonyane River; Tsedike
River; Malibamat'so River; Pelaneng

River; Dinakeng River; Khubelu
River; Mokhotlong River

Namibia (formerly Southwest Africa)

Regions:

Kuene; Omusati; Oshana;
Ohangwena; Oshikoto; Kavango
West; Kavango East; Zambezi;
Erongo; Otjozondjupa; Omaheke;
Khomas; Hardap; Ikaras

Physiographic Regions:

Namib Desert; Great Escarpment;
South Africa; Central Plateau;
Kalahari Basin; Kavango-Caprivi

Deserts:

Namib Desert; Kalahari Desert

Mountains:

Brukkaros; Naukluft Mountain
Range; Spitzkoppe

Rivers:

Zambezi; Kwando (aka Linyanti,
Chobe); Ekuma; Oshigambo;
Oakavango

South Africa

Provinces:

Eastern Cape; Free State; Gauteng.
KwaZulu-Natal; Limpopo;
Mpumalanga; Northern Cape; North
West; Western Cape

Physiographic Regions:

Coastal zone; Great Escarpment;
Central Plateau

KEYWORD GUIDE

Deserts:

Kalahari Desert

Mountains:

Cederberg Mountains; Drakensberg Range; Magaliesberg Mountains; Table Mountain Range; Pilanesberg Range; Baviaanskloof Range

Rivers:

Limpopo; Orange; Vaal

Swaziland

WEST AFRICA

Benin

Burkina Faso (formerly Upper Volta)

Cape Verde

Gambia

Guinea

Guinea-Bissau

Ivory Coast

Liberia

Mali (formerly French Sudan)

Regions:

Kayes; Koulikoro; Bamako; Sikasso; Ségou; Mopti; Tombouctou; Gao; Kidal; Taoudénit; Ménaka

Physiographic Regions:

Southern cultivated Sudanese zone; central semi-desert Sahelian zone; northern Saharan zone

Deserts:

Sahara Desert

Mountains:

Adrar des Iforas (Iforas Massif); Mount Hombori; Manding Mountains; Mount Tenakourou

Rivers:

Niger River

Mauritania

Niger

Regions:

Agadez; Diffa; Dosso; Maradi; Tahoua; Tillabéri; Zinder

Physiographic Regions:

Plains; north central plateau and highlands; western uplands; Niger dense trough; coastal lowlands and Niger Delta, north eastern highlands

Deserts:

Sahara Desert

Mountains:

Aïr Massif

Rivers:

Niger River

Nigeria

Senegal

Sierra Leone

Togo

Western Sahara (formerly Spanish Sahara)

NORTH AMERICA

Canada

KEYWORD GUIDE

Provinces and Territories:

New Brunswick; Newfoundland and Labrador; Nova Scotia; Prince Edward Island; Ontario; Quebec; Alberta ; Manitoba; Saskatchewan; British Columbia; Northwest Territories; Nunavut; Yukon Territory

Regions:

Atlantic Region; Central Canada; Prairie Provinces; West Coast; North

Physiographic Regions:

Arctic Lands; Cordillera; Interior Plains; Hudson Bay Lowland; Canadian Shield Forest Lands; St Lawrence Lowlands; Appalachia

Greenland

Mexico

States / Federal District:

Mexico City (Ciudad de Mexico or formerly, Mexico, D.F.); Aguascalientes; Baja California; Baja California Sur; Campeche; Chiapas; Chihuahua; Coahuila de Zaragoza; Colima; Durango; Guanajuato; Guerrero; Hidalgo; Jalisco; México; Michoacán; Morelos; Nayarit; Nuevo León; Oaxaca; Puebla; Querétaro; Quintana Roo; San Luis Potosí; Sinaloa; Sonora; Tabasco; Tamaulipas; Tlaxcala; Veracruz de Ignacio de la Llave; Yucatán; Zacatecas

Physiographic Regions:

Baja California; Pacific Coastal Lowlands; Mexican Plateau; Sierra Madre Oriental; Sierra Madre Occidental; Cordillera Neo-Volcánica; Gulf Coastal Plain; Highlands; Yucatán Peninsula

Deserts:

Chihuahuan Desert; Sonoran Desert; Vizcaino Desert

Mountains:

Sierra Madre Occidental; Sierra Madre Oriental; Sierra Madre del Sur

Rivers:

Rio Bravo, Colorado; Grijalva-Usumacinta; Lerma-Santiago; Balsas; Nazas; Papaloapan; Coatzacoalcos; Pánuco-Temesi-Moctezuma

United States of America

States:

Alabama; Alaska; Arizona; Arkansas; California; Colorado; Connecticut; Delaware; Florida; Georgia; Hawaii; Idaho; Illinois; Indiana; Iowa; Kansas; Kentucky; Louisiana; Maine; Maryland; Massachusetts; Michigan; Minnesota; Mississippi; Missouri; Montana; Nebraska; Nevada; New Hampshire; New Jersey; New Mexico; New York; North Carolina; North Dakota; Ohio; Oklahoma; Oregon; Pennsylvania; Rhode Island; South Carolina; South Dakota; Tennessee; Texas; Utah; Vermont; Virginia; Washington; West Virginia; Wisconsin; Wyoming

KEYWORD GUIDE

Territories:

American Samoa; Guam; Northern Mariana Islands; Puerto Rico; Virgin Islands

Regions:

New England; Mideast; Southeast; Great Lakes; Plains; Southwest; Rocky Mountains; Far West.

Physiographic Regions:

Coastal Plain; Appalachian Mountains; Canadian Shield; Interior Lowlands; Great Plains; Rocky Mountains; Basin and Range; Coastal Range

Deserts:

Chihuahuan Desert; Great Basin Desert; Mojave Desert; Sonoran Desert

Mountains:

Adirondacks; Alaska Range; Appalachian Mountains; Brooks Range; Cascade Range; Ozarks; Rocky Mountains; Sierra Nevada

Rivers:

Mississippi; Missouri; Rio Grande; Hudson; Colorado; Colombia; Yukon

NORTH AMERICA - CENTRAL AMERICA

Belize
Costa Rica
El Salvador
Guatemala
Honduras
Nicaragua
Panama

NORTH AMERICA - ANTILLES

Antilles
Cayman Islands
Cuba
Dominican Republic
Haiti
Jamaica
Puerto Rico (United States)

NORTH AMERICA - Lesser ANTILLES

Anguilla
Antigua
Barbuda
Guadalupe (France)
Martinique (France)
Montserrat
Nevis
Saint Kitts
Virgin Islands (United States)

NORTH AMERICA - CARIBBEAN

Bahamas
Grenada

SOUTH AMERICA

Argentina

Regions and Provinces:

Argentine Northwest:

Jujuy; Salta; Tucumán; Catamarca

Gran Chaco:

Formosa; Chaco; Santiago del Estero

Mesopotamia (or Littoral):

Misiones; Entre Ríos; Corrientes

Cuyo:

San Juan; La Rioja; Mendoza; San Luis

Pampas (Humid Pampa, Dry Pampa):

Córdoba; Santa Fe; La Pampa; Buenos Aires

Patagonia (Comahue):

Rio Negro; Neuquén; Chubut; Santa Cruz; Tierra del Fuego

Argentine Antarctica

Physiographic Regions:

The North; the Andes; the Pampas; Patagonia

Deserts:

Patagonian Desert (aka Patagonian Steppe)

Mountains:

Andes

Rivers:

Paraná; Paraguay; Uruguay; Colorado; Negro; Dulce; Primero; Segundo; Deseado; Chico; Santa Cruz; Gallegos

Bolivia

Departments and Provinces:

Beni:

Antonio Vaca Díez; Cercado; General José Ballivián Seguro; Iténez;

Mamoré; Marbán; Moxos; Yacuma

Chuquisaca:

Belisario Boeto; Hernando Siles; Jaime Zudáñez; Juana Azurduy de Padilla; Luis Calvo; Nor Cinti; Samuel Oropeza; Sud Cinti; Tomina; Yamparáez

Cochabamba:

Arani; Arque; Ayopaya; Bolívar; Campero; Capinota; Cercado; Chapare; Esteban Arze; Germán Jordán; José Carrasco; Mizque; Punata; Quillacollo; Tapacarí; Tiraque

La Paz:

Abel Iturralde; Aroma; Bautista Saavedra; Caranavi; Eliodoro Camacho; Franz Tamayo; General José Manuel Pando; Gualberto Villaroel; Ingavi; Inquisivi; José Ramón Loayza; Larecaja; Los Andes; Mano Kapac; Muñecas; Nor Yungas; Omasuyos; Pacajes; Pedro Domingo Murillo; Sud Yungas

Oruro:

Carangas; Cercado; Eduardo Abaroa; Ladislao Cabrera; Litoral de Atacama; Mejillones; Nor Carangas; Pantaleón Dalence; Poopó; Sabaya; Sajama; San Pedro de Totora; Saucarí; Sebastián Pagador; Sud Carangas; Tomás Barrón

Pando:

Abuná; General Federico Román; Madre de Dios; Manuripi; Nicolás Suárez

Potosí:

Alonso de Ibañez; Antonio Quijarro; Bernardino Bilbao; Charcas; Chayanta; Corelio Saavedra; Daniel Campos; Enrique Baldovinos; José

KEYWORD GUIDE

María Linares; Modesto Omiste; Nor Chichas; Nor López; Rafael Bustillo; Sud López; Tomás Frías

Santa Cruz:

Andrés Ibáñez; Ángel Sandoval; Chiquitos; Cordillera; Florida; Germán Busch; Ichilo; Manuel María Caballero; Ñuflo de Chávez; Obispo Santistevan; Sara; Vallegrande; Velsaso; Warnes

Tarija:

Aniceto Arce; Burdet O'Connor; Cercado; Eustaquio Méndez; Gran Chaco; José María Avilés

Physiographic Regions:

Andes; Altiplano; Yungas

Deserts:

Atacama Desert

Mountains:

Andes (Cordillera and Occidental)

Rivers:

Madeira; Mamore; Beni; Rio Itenénz; Pilcomayo; Bermejo; Madre de Rios; Yacuma

Brazil

States and Territories:

Acre; Alagoas; Amazonas; Amapá; Bahia; Ceará; Distrito Federal; Espírito Santo; Goiás; Maranhão; Minas Gerais; Mato Grosso do Sul; Mato Grosso; Pará; Paraíba; Pernambuco; Piauí; Paraná; Rio de Janeiro; Rio Grande do Norte; Rondônia; Roraima; Rio Grande do

Sul; Santa Catarina; Sergipe; São Paulo; Tocantins

Regions:

North Region; North East Region; Central-West (Central Region); South East Region; South Region

Physiographic Regions:

Amazon lowlands; Brazilian Highlands; Coastal Lowlands; Guiana Highlands; Pantanal

Deserts:

White Desert

Mountains:

Serra do Espinhaço; Tumucumaque; Imeri; Pacaraima; Pico da Bandeira

Chile

Regions and Provinces:

Aisén del General Carlos Ibáñez del Campo:

Aysén; Capitán Prat; Coyhaique; General Carrera

Antofagasta:

Antofagasta; El Loa; Tocopilla;

La Araucanía:

Cautín; Malleco

Arica y Parinacota:

Arica; Parinacota

Atacama:

Chañaral; Copiapó; Huasco

Biobío:

Arauco; Bío Bío; Concepción; Ñuble

Coquimbo:

Choapa; Elqui; Limarí

Libertador General Bernardo

O'Higgins:

KEYWORD GUIDE

Cachapoal; Cardenal Caro;
Colchagua

Los Lagos:

Chiloé; Llanquihue; Osorno; Palena

Los Ríos:

Ranco; Valdivia

Magallanes y Antártica Chilena:

Antártica Chilena; Magallanes; Tierra
del Fuego; Última Esperanza

Maule:

Caquenes; Curicó; Linares; Talca

Ñuble

Región Metropolitana de Santiago:

Chacabuco; Cordillera; Maipo;
Melipilla; Santiago; Talagante

Tarapacá:

Iquique; Tamarugal

Valparaíso:

Isla de Pascua [Easter Island; Rapa
Nui]; Los Andes; Marga Marga;
Petorca; Quillota; San Antonio; San
Felipe de Aconcagua; Valparaíso

Physiographic Regions:

Norte Grande, Norte Chico, Núcleo
Central, Concepción y La
Frontera, Los Lagos and Los Canales

Deserts:

Atacama

Mountains:

Andes

Rivers:

Loa; Bío-Bío Maipo; Maule; Baker;
Rapel; Copiapó; Itata; Valdivia;
Bueno

Columbia

*Departments, Provinces, Regions, Sub
regions*

Antioquia:

Baja Cauca; Nordeste; Norte;
Occidente; Suroeste; Urabá; Valle
de Aburrá

Bolívar:

Depresión Momposina; Dique;
Loba; Magdalena Medio; Mojana;
Mones de María

Boyacá:

Centro; Cubará (Distrito Fronterizo);
Gutiérrez; La Libertad; Lengupá;
Márquez; Neira; Norte; Occidente;
Oriente; Ricaurte; Sugamuxi;
Tundama; Valderrama; Puerto
Boyacá (Zona de Manejo Especial)

Caldas:

Bajo Occidente; Magdalena
Caldense; Norte; Centrosur; Alto
Oriente; Alto Occidente

Cauca:

Centro; Norte; Occidente; Oriente;
Sur

Cundinamarca:

Alameidas; Magdalena Centro;
Sabana Centro; Oriente; Gualivá;
Guavio; Bajo Magdalena; Medina;
Rionegro; Soacha; Sumapaz;
Tequendama; Ubaté; Alto
Magdalena; Sabana Occidente

Huila:

Subcentro; Subnorte; Suboccidente;
Subsur

La Guajira:

Norte Provincia; (Sur) Padilla
Provincia

Meta:

Ariari; Capital; Piedmonte; Rio Meta

Nariño:

Juanambú (La Unión); Obando
(IpiALES); Pasto: Tumaco-Barbacoas;
Túquerres

Norte de Santander:

Centro; Norte; Occidente; Oriente;
Sur-occidente; Sur-oriente

Santander:

Comunera; García-Rovira; Guanentá;
Mares; Soto; Vélez

Sucre:

La Mojana; Montes de María;
Morrosquillo; Sabanas; San Jorge

Tolima:

Ibagué; Nevados; Norte; Oriente;
Sur; Suroriente

Valle del Cauca:

Centro; Norte; Occidente; Oriente;
Sur

Physiographic Regions:

Andean Ranges; Caribbean lowlands
coastal region; Orinoquía region

Deserts:

Tatacoa Desert; La Guajira Desert

Mountains:

Sierra Nevada de Santa Marta

Rivers:

Río Magdalena

Ecuador

French Guiana (France)

Guyana

Paraguay

Peru

*Regions (formerly Departamentos) and
Provinces:*

Amazonas:

Chachapoyas; Bagua; Bongará;
Condorcanqui; Luya; Rodríguez de
Mendoza; Utcubamba

Áncash:

Huaraz; Aija; Antonio Arimondi;
Asunción; Bolognesi; Carhuaz; Carlos
Fermín Fitzcarrald; Casma; Corongo;
Huari; Huarmey; Huaylas; Mariscal
Luzuriaga; Ocros; Pallasca;
Pomabamba; Recuay; Santa; Sihuas;
Municipalities:Yungay

Apurímac:

Abancay; Andahuaylas; Antabamba;
Aymaraes; Cotabambas; Chincheros;
Grau

Arequipa:

Arequipa; Camaná; Caravelí; Castilla;
Condesuyos; Islay; La Unión

Ayacucho:

Huamanga; Cangallo; Huancva
Sancos; Huanta; La Mar; Lucanas;
Parinacochas; Páucar del Sara Sara;
Sucre; Víctor Fajardo; Vilcas Huamán

Cajamarca:

Cajamarca; Cajabamba; Celendín;
Chota; Conturmazá; Cutervo;
Hualgayoc; Jaén; San Ignacio; San
Marcos; San Miguel; San Pablo;
Santa Cruz

Cusco (Cuzco):

Acomayo; Anta; Calca; Canas;
Canchis, Chumbivilcas; Cusco;
Espinar; La Convención; Paruro;
Paucartambo; Quispicanchi;
Urubamba

Callao:

Constitutional Province of Callao

Huancavelica:

Acobamba; Angaraes;
Castrovirreyna; Churcampa;
Huaytará; Tayacaja

Huánuco:

Huánuco; Ambo; Dos de Mayo;
Huacaybamba; Huamalíes; Leoncio
Prado; Marañon; Pachitea; Puerto
Inca; Lauricocha; Yarowilca

KEYWORD GUIDE

Ica:

Ica; Chincha; Nazca; Palpa; Pisco

Junín:

Huancayo; Concepción;
Chanchamayo; Jauja; Junín; Satipo;
Tarma; Yauli; Chupaca

La Libertad:

Trujillo; Ascope; Bolívar; Chepén;
Julcán; Otuzco; Pacasmayo; Pataz;
Sánchez Carrión; Santiago de Chuco;
Gran Chimú; Viru

Lambayeque:

Chiclayo; Ferreñate; Lambayeque

Lima:

Lima; Barranca; Cajatambo; Canta;
Cañete; Huaral; Huarochirí; Huaura;
Oyón; Yauyos

Loreto:

Maynas; Alto Amazonas; Loreto;
Mariscal Ramón Castilla; Requena;
Ucayali; Dátém del Marañón

Madre de Dios:

Tambopata; Manu; Tahuamanu

Moquegua:

Mariscal Nieto; General Sánchez
Cerro; Ilo

Pasco:

Pasco; Daniel Alcides Carrión;
Oxapampa

Piura:

Piura; Ayabaca; Huancabamba;
Morropón; Paita; Sullana; Talara;
Sechura

Puno:

Puno; Azángaro; Carabaya;
Chucuito; Huancané; Lampa;
Melgar; Moho; San Antonio de
Putina; San Román; Sandia; Yunguyo

San Martín:

Moyobamba; Bellavista; El Dorado;
Huallaga; Lamas; Mariscal Cáceres;
Picota; Rioja; San Martín; Tocache

Tacna:

Tacna; Candarave; Jorge Basadre;
Tarata

Tumbes:

Tumbes; Contralmirante Villar;
Zarumilla

Ucayali:

Coronel Portillo; Atalaya; Padre
Abad; Purus

Physiographic Regions:

Amazonia; Andes; Coastal

Deserts:

Atacama; Sechura

Mountains:

Andes

Suriname

Uruguay

Venezuela

States:

Amazonas; Anzoátegui; Apure;
Aragua; Barinas; Bolívar; Carabobo;
Cojedes; Delta Amacuro; Falcón;
Guárico; Lara; Mérida; Miranda;
Monagas; Nueva Esparta;
Portuguesa; Sucre; Táchira; Trujillo;
Vargas; Yaracuy; Zulia

Dependencias Federales -

Islas Los Monjes; Isla La Tortuga;
Islas Los Frailes; Islas La Sola; Islas
Los Testigos; Islas Las Aves; Islas
Los Roques; Isla La Orchila; Isla
Blanquilla; Islas Los Hermanos; Isla
de Patos; Aves; Isla Caribe y Los
Lobos

KEYWORD GUIDE

Physiographic Regions:

Maracaibo lowlands; northern mountains; Orinoco plains (llanos); Guiana highlands

Deserts:

Guajira Desert

Mountains:

Coastal Range Mountains; Cordillera de Mérida

Rivers:

Orinoco River

CENTRAL ASIA

Kazakhstan

Regions:

Atyrau Region; Baikonur; East Kazakhstan Region; Jambyl Region; Karaganda Region; Kostanay Region; Kyzylorda Region; Mangystau Region; North Kazakhstan Region; Nur-Sultan; Pavlodar Region; Shymkent; Turkistan Region (formerly South Kazakhstan); West Kazakhstan Region

Physiographic Regions:

Steppe; plains; semi-desert; desert

Deserts:

Kazakh Desert; Qyzylqum Desert; Aral Karakum Desert

Mountains:

Altai mountains; Ural mountains

Rivers:

Yesil (Ishim); Irtysh; Koluton, Zhabay; Akkanburluk; Terisakkan

Kyrgyzstan

Tajikistan

Turkmenistan

Uzbekistan

EAST ASIA

China

Municipalities:

Beijing; Chongqing; Shanghai; Tianjin

Provinces:

Anhui; Fujian; Gansu; Guangdong; Guizhou; Hainan; Hebei; Heilongjiang; Henan; Hubei; Hunan; Jiangsu; Jiangxi; Jilin; Liaoning; Qinghai; Shaanxi; Shandong; Shanxi; Sichuan; Yunnan; Zhejiang

Autonomous Regions:

Guangxi: Inner Mongolia; Ningxia; Tibet; Xinjiang

Special Administrative Regions:

Hong Kong; Macao (Macau)

Physiographic regions:

Eastern China (subdivided into the northeast plain, north plain, and southern hills); Xinjiang-Mongolia; Tibetan highlands

Deserts:

Badain Jaran Desert; Dzungaria; Gobi Desert; Gurbantünggüt Desert; Hami Desert; Kubuqi Desert; Kumtag Desert; Lop Desert; Mu Us Desert;

KEYWORD GUIDE

Ordos Desert; Shapotou District;
Taklamakan Desert; Tengger Desert

Mountains:

Altai Mountains; Amne Machin; Awa
mountain; Bayan Har Mountains;
Changbai Mountains; Daba
Mountains; Dabie Mountains; Great
Himalayas; Greater Khingan;
Himalayas; Huangshan; Jinping
Mountains; Jundu Mountains; Kuaiji
Mountains; Kunlun Mountains;
Mazong Mountain; Middle Yandang
Mountains; Nanling Mountains;
Pamir Mountains; Qian Mountains;
Qilian Mountains; Qinling; Shaluli
Mountains; Taihang Mountains;
Thistle Mountains; Wanda
Mountains; Xiao Mountains; Yan
Mountains; Yandang Mountains; Yin
Mountains; Yuecheng Mountains;
Zhongnan Mountains; Zhongtiao
Mountains

Rivers:

Yangtze River; Yellow River;
Heilongjiang River; Yarlung Zangbo
River; Huaihe River

Hong Kong (see China)

Japan

Macau (see China)

Mongolia

Provinces:

Arkhangai; Bayankhongor; Bayan-
Ulgii (Bayan-Ölgii); Bulgan; Darkhan-
Uul; Dornod; Dornogovi; Dundgovi;
Govi-Altai; Govisumber; Khentii;
Khovd; Khuvsgul (Khövsgöl); Orkhon;
Selenge; Sükhbaatar; Tuv (Töv);

Umnugovi (Ömnögovi); Uvs;
Uvurkhangai (Övörkhanghai);
Zavkhan; Ulaanbaatar

Physiographic regions:

Mongolia Plateau (steppes); the
highlands; Gobi desert

Deserts:

Gobi Desert

Mountains:

Mongolian Altai, Khangain (or
Hangayn) Nuruu; Khentil (or
Hentiyn) Nuruu

Rivers:

Orkhon River; Kherlen River; Tuul
River; Zavkhan River; Selenge River;
Hovd River; Eg River; Ider River;
Delgermörön

North Korea

South Korea

Taiwan

NORTH ASIA

Russia

Straddles Eastern Europe and North Asia;
Eurasia.

Regions:

Central European Region; North and
Northwest European Region; Volga
Region; North Caucasus; Ural
Region; Western Siberia; Eastern
Siberia; Northern and
Northwestern Siberia; Russian Far
East

KEYWORD GUIDE

Republics:

Adygea; Altai; Bashkortostan;
Buryatia; Chechnya; Chuvashia;
Crimea; Dagestan; Ingushetia;
Kabardino-Balkaria; Kalmykia;
Karachay-Cherkessia; Karelia;
Khakassia; Komi; Mari El; Mordovia;
North Ossetia–Alania; Yakutia;
Sakha; Tatarstan; Tuva; Udmurtia

Physiographic regions:

East European Plain; West Siberian
Plain; North Siberian Lowland;
Central Yakutian Lowland; East
Siberian Lowland; Central Siberian
Plateau; Lena Plateau; East Siberian
Mountains; South Siberian
Mountains

Deserts:

Chara Sands

Mountains:

Caucasus; Ural; Altai; Sayan;
Yablonoï; Stanovoy; Kamchatka;
Kolyma; Chersky; Verkhoyansk

Rivers:

Pechora; Volga; Don; Kam; Oka;
Northern Dvina; Dniepr; Western
Dvina; Lena; Ob'; Yenisei; Amur

Siberia (see Russia)

SOUTH ASIA

Afghanistan

Bhutan,

Bangladesh

India

States:

Andhra Pradesh; Arunachal Pradesh;
Assam; Bihar; Chhattisgarh; Goa;
Gujarat; Haryana; Himachal Pradesh;
Jharkhand; Karnataka; Kerala;
Madhya Pradesh; Maharashtra;
Manipur; Meghalay; Mizoram;
Nagaland; Odisha; Punjab;
Rajasthan; Sikkim; Tamil Nadu;
Telangana; Tripura; Uttar Pradesh;
Uttarakhand; West Bengal

Union Territories:

Andaman and Nicobar Islands;
Chandigarh; Dadra and Nagar Haveli
and Daman and Diu; Delhi; Jammu
and Kashmir; Ladakh; Lakshadweep;
Puducherry

Physiographic regions:

Northern and North-eastern
Mountain; Northern Plain;
Peninsular Plateau; Indian Desert;
Coastal Plains; and Islands.

Deserts:

Thar Desert (aka Great Indian
Desert); Jaisalmer Desert; Kutch
Desert; Bikaner Desert; Barmer
Desert.

Mountains:

Himalaya Range; Karakoram and Pir
Panjal Range; Purvanchal Range;
Satpura and Vindhaya Range;
Aravalli Range; Western Ghats;
Eastern Ghats

Rivers:

Indus; Ganges; Brahmaputra;
Ganga; Yamuna; Narmada;
Saraswathi; Godavari; Krishna;

KEYWORD GUIDE

Kaveri; Bhima; Tapi; Tungabhadra;
Sindhu; Pranhita; Tapi, Mahanadi

Maldives

Nepal

Pakistan

Provinces:

Balochistan; Khyber Pakhtunkhwa;
Punjab; Sindh.

Autonomous Territories:

Azad Jammu and Kashmir, Gilgit-
Baltistan

Physiographic regions:

Plateau of W Pakistan, the plains of
the Indus and Punjab rivers, the hills
of NW Pakistan, and the mountains
of N Pakistan

Deserts:

Thar desert; Kharan desert; Katpana
desert; Thal desert; Cholistan desert

Mountains:

Himalaya Range; Hindu Kush Range;
Karakoram range

Rivers:

Panjnad River; Jhelum; Chenab;
Ravi; Beas; Sutlej.

Sri Lanka

SOUTHEAST ASIA

Brunei

Burma (Myanmar)

Cambodia

Indonesia

The world's largest archipelago, it is also
partially located in Oceania.

Islands, major

Java: Banten, Central Java, Special
Capital Region of Jakarta, East Java,
West Java. Sumatra: Aceh, North
Sumatra, West Sumatra, Bengkulu,
Lampung, Riau, Riau Islands,
Bangka-Belitung Islands. Kalimantan:
Central Kalimantan, Kalimantan,
North Kalimantan, South
Kalimantan, West Kalimantan.
Sulawesi, Central Sulawesi, North
Sulawesi, South Sulawesi, Southeast
Sulawesi. Lesser Sunda Islands: Bali,
East Nusa Tenggara, West Nusa
Tenggara. Maluku Islands: Maluku,
North Maluku. Western New
Guinea: West Papua, Papua.

Provinces:

Aceh; Bali; Bangka Belitung Islands;
Banten; Bengkulu; Central Java;
Central Kalimantan; Central
Sulawesi; East Java; East Kalimantan;
East Nusa Tenggara; Gorontalo;
Special Capital Region of Jakarta;
Jambi; Lampung; Maluku; North
Kalimantan; North Maluku; North
Sulawesi; North Sumatra; Papua;
Riau; Riau Islands; Southeast
Sulawesi; South Kalimantan; South
Sulawesi; South Sumatra; West Java;
West Kalimantan; West Nusa
Tenggara; West Papua; West

KEYWORD GUIDE

Sulawesi; West Sumatra; Special Region of Yogyakarta

Deserts:

None

Mountains:

Numerous mountains; 400 volcanos, 100 of which are active.

Rivers:

Dominated by tropical rainforest, there are numerous river systems throughout the islands.

Laos

Malaysia

Philippines

Singapore

Timor-Leste

Thailand

Vietnam

West Papua (Papua Barat)

WEST ASIA

Azerbaijan (Europe)

Armenia (Eurasia)

Turkey (Europe)

WEST ASIA – ARABIAN PENINSULA

Bahrain

Kuwait

Oman

Qatar

Saudi Arabia

Emirates:

Riyadh Province; Makkah Province; Eastern Province; Madinah Province; Al Baha Province; Al Jawf Province, the Emirate of the Northern Borders Province; Qassim Province; Ha'il Province; Tabuk Province; 'Aseer Province; Jazan Province; Najran Province

Physiographic Regions:

Mountainous western highlands; rocky central plateau; eastern low-lying coastal plain; sandy desert areas of the north, east, and south

Deserts:

Nafud Desert; Rub-al-Khali Desert

Rivers:

Dry oueds (wadis)

United Arab Emirates

Yemen

WEST ASIA – MIDDLE EAST

Lebanon

Israel

Districts:

Jerusalem District; Northern District; Haifa District; Central District; Tel Aviv District; Southern District; Judea and Samaria Area

Occupied Territories:

Golan Heights; East Jerusalem; West Bank

KEYWORD GUIDE

Physiographic Regions:

Mediterranean coastal plain; Central Hills; Jordan Rift Valley; Negev Desert

Deserts:

Judaeen Desert; Negev Desert; Zin Desert

Mountains:

Mount Carmel; Har Karkom (Mount Sinai); Mount Hermon; Mount Meron

Rivers:

Jordan River

Iraq

Iran

Provinces:

Alborz; Ardabil; Azerbaijan East; Azerbaijan West; Bushehr; Chahar Mahaal and Bakhtiari; Fars; Gilan; Golestan; Hamadan; Hormozgān; Ilam; Isfahan; Kerman; Kermanshah; Khorasan North; Khorasan Razavi; Khorasan South; Khuzestan; Kohgiluyeh and Boyer-Ahmad; Kurdistan; Lorestan; Markazi; Mazandaran; Qazvin; Qom; Semnan; Sistan and Baluchestan; Tehran; Yazd; Zanzan

Physiographic Regions:

Deserts:

Dasht-e Kavir (Great Salt desert); Lut Desert (Sand and Stone Desert)

Mountains:

Zagros Mountains; Elburz Mountains; Kopet-Dag (Koppeh Dāgh) Range; Bashagard Range

Rivers:

Karun River; Karkheh River; Sefid Rud River

Jordan

Provinces (muhafazah):

Ajlun; Amman; Aqaba; Balqa; Irbid; Jarash; Karak; Ma`an; Madaba; Mafraq; Tafilah; Zarqa

Physiographic Regions:

Desert, the uplands east of the Jordan River; the Jordan Valley

Deserts:

Arabian Desert; Black Desert; Syrian

Rivers:

Jordan River

Palestine (see Israel)

Syria

CENTRAL EUROPE

Austria
Croatia
Czech Republic
Germany
Hungary
Poland
Slovakia
Slovenia

Switzerland

Regions and Cantons:

Eastern Switzerland: St. Gallen; Thurgau; Appenzell Innerrhoden; Appenzell Ausserrhoden; Glarus; Schaffhausen; Graubünden. **Zürich:** Zürich. **Central Switzerland:** Uri; Schwyz; Obwalden; Nidwalden; Lucerne; Zug. **Northwestern Switzerland:** Basel-Stadt; Basel-Landschaft; Aargau. **Espace Mittelland:** Bern; Solothurn; Fribourg; Neuchatel; Jura. **Région lémanique:** Geneva; Vaud; Valais. **Ticino:** Ticino.

Physiographic Regions:

Swiss Alps; Central Plateau; Jura

Mountains:

Swiss Alps; Jura Mountains

Rivers:

Rhine; Aare (or Aar); Rhône; Reuss; Linth and Limmat; Saane/La Sarine

EASTERN EUROPE

Estonia
Latvia
Lithuania
Moldova
Romania
Russia (see North Asia)
Ukraine

NORTHERN EUROPE - Greenland (see North America); Iceland

NORTHERN EUROPE - Fennoscandia (aka Fenno-Scandinavia)

Denmark

Regions and Provinces:

Capital Region: Copenhagen City; Copenhagen surroundings; North Zealand; Bornholm. **Zealand:** East Zealand; West and South Zealand. **Southern:** Fyn; South Jutland. **Central:** West Jutland; East Jutland. **Northern:** North Jutland.

Physiographic Regions:

Jutland Peninsula; Danish Archipelago

Rivers:

Gudenå; Kongeåen; Odense River; Pøleå; Varde; Vidå; Skjern Å; Suså; Esrum Å; Køge Å; Usserød Å; Vejle River

Finland

Regions:

Lapland; North Ostrobothnia; Kainuu; North Karelia; Northern Savonia; Southern Savonia; South

Karelia; Central Finland; South Ostrobothnia; Ostrobothnia; Central Ostrobothnia; Pirkanmaa; Satakunta Päijänne Tavastia; Tavastia Proper; Kymenlaakso; Uusimaa; Southwest Finland; Åland Islands

Physiographic Regions:

Archipelagoes and coastal lowlands; central lake plateau; uplands to the north and northeast

Karelia (see Russia)

Kola Peninsula (see Russia)

Norway

Regions and Counties:

Northern Norway: Nordland, Troms og Finnmark. **Trøndelag:** Trøndelag. **Western Norway:** Møre og Romsdal; Vestland; Rogaland. **Southern Norway:** Agder. **Eastern Norway:** Oslo; Viken; Vestfold og Telemark; Innlandet.

Physiographic Regions:

Mountains; fjords (coastline); islands

Mountains:

Scandinavian Mountains (Scandes)

Rivers:

Glomma (or Glåma) River

Sweden

Regions:

Norrland; Svealand; Götaland

Provinces:

Ångermanland; Blekinge; Bohuslän; Dalarna; Dalsland; Gotland; Gästrikland; Halland; Hälsingland; Härjedalen; Jämtland; Lappland; Medelpad; Norrbotten; Närke; Öland; Östergötland; Skåne; Småland; Södermanland ; Uppland; Värmland; Västmanland; Västerbotten

Physiographic Regions:

Lowlands; mountains

Mountains:

Scandinavian Mountains (Scandes)

SOUTHERN EUROPE

Crete

Corsica (France)

Cyprus

Gibraltar (Britain)

Greece

Italy

Regions:

Abruzzo; Basilicata; Calabria; Campania; Emilia-Romagna; Friuli-Venezia Giulia; Latium (Lazio); Liguria; Lombardia; Marche; Molise; Piemonte; Puglia (Apulia) Sardegna (Sardinia); Sicilia (Sicily); Toscana (Tuscany); Trentino-Alto Adige (Trentino-South Tyrol); Umbria; Valle d'Aosta (Aosta Valley); Veneto

Physiographic Regions:

Mountains; volcanoes; valleys; sub-alpine lakes, islands (Aeolians;

Pontines; Capri; Montecristo;
Gorgona; Elba, Sardinia; Sicily)

Mountains:

Alps; Apennines

Rivers:

Po; Arno; Tiber

Malta

Monaco

SOUTHEASTERN EUROPE

Balkans

Bosnia

Bulgaria

Croatia

Herzegovina

Kosovo

Macedonia

Montenegro

Serbia

SOUTHWESTERN EUROPE

Spain

Autonomous Communities:

Andalusia; Aragon; Asturias; Balearic Islands; Basque Country; Canary Islands, Cantabria; Castile and León; Castile–La Mancha; Catalonia; Community of Madrid, Extremadura; Galicia; La Rioja; Navarra; Murcia; Valencian Community. Autonomous cities: Ceuta; Melilla.

Provinces:

La Coruña (Spanish), A Coruña (Galician); Álava (Spanish), Araba

(Basque); Albacete; Alicante (Spanish), Alacant (Valencian); Almería; Asturias; Ávila; Badajoz; Balearic Islands (English), Illes Balears (Catalan), Islas Baleares (Spanish); Barcelona; Biscay (English), Vizcaya (Spanish), Bizkaia (Basque); Burgos; Cáceres; Cádiz; Cantabria; Castellón (Spanish), Castelló (Valencian); Ciudad Real; Córdoba; Cuenca; Guipúzcoa (Spanish), Gipuzkoa (Basque); Girona (Catalan), Gerona (Spanish); Granada; Guadalajara; Huelva; Huesca; Jaén; La Rioja; Las Palmas; León; Lleida (Catalan), Lérida (Spanish); Lugo; Madrid; Málaga; Murcia; Navarre, Nafarroa (Basque), Navarra (Spanish); Ourense (Galician), Orense (Spanish); Palencia; Pontevedra; Salamanca; Santa Cruz de Tenerife; Segovia; Seville, Sevilla (Spanish); Soria; Tarragona; Teruel; Toledo; Valencia, València (Valencian); Valladolid; Zamora; Zaragoza; Saragossa (English)

Physiographic Regions:

Meseta Central; Cantabrian Mountains (Cordillera Cantabrica) and the northwest region; Ibérico region; Pyrenees, Penibético region; Andalusian Plain; Ebro Basin; coastal plains; Balearic Islands; Canary Islands

Deserts:

Tabernas Desert; Monegros Desert Bardenas Reales; Cabo de Gata-Níjar Natural Park

Mountains:

Pyrenees; Sierra Nevada; Cordillera Cantabria; Sistema Iberico; Cordillera Betica; Sierra de Cuenca; Montes de Toledo

Rivers:

River Tajo; River Ebro; River Duero; River Guadiana; Guadalquivir; River Júcar; River Genil; River Segura; River Miño; River Turia

Portugal

Regions:

Northern Portugal; Central Portugal; Lisbon; Alentejo Region; Algarve; Madeira Island; Azores islands

Districts:

Aveiro; Beja; Braga; Bragança; Branco; Castelo; Coimbra; Évora; Faro; Guarda; Leiria; Lisbon; Portalegre; Porto; Santarém; Setúbal; Viana do Castelo; Vila Real; Viseu

Rivers:

Côa; Douro; Guadiana; Minho; Mira; Mondego; Sado; Tâmega; Rio Tejo (Tagus River); Vouga; Zêzere

WESTERN EUROPE

Belgium

France

Regions:

Northern France: Normandy; Hauts de France; Ile de France. Southern France: Provence-Alpes-Côte d'Azur;

Occitanie; Corsica Island. Central France: Centre-Val de Loire. Eastern France: Grand Est; Auvergne-Rhône Alpes; Bourgogne-Franche Comté. Western France: Bretagne; Pays de la Loire; Nouvelle Aquitaine

French Overseas Territories:

Martinique; Guadeloupe; Guyanne; Réunion Island; Mayotte

Departments:

Ain; Aisne; Allier; Alpes-de-Haute-Provence; Hautes-Alpes; Alpes-Maritimes; Ardèche; Ardennes; Ariège; Aube; Aude; Aveyron; Bouches-du-Rhône; Calvados; Cantal; Charente; Charente-Maritime; Cher; Corrèze; Corse-du-Sud; Haute-Corse; Côte-d'Or; Côtes-d'Armor; Creuse; Dordogne; Doubs; Drôme; Eure; Eure-et-Loir; Finistère; Gard; Haute-Garonne; Gers; Gironde; Hérault; Ille-et-Vilaine; Indre; Indre-et-Loire; Isère; Jura; Landes; Loir-et-Cher; Loire; Haute-Loire; Loire-Atlantique 6; Loiret; Lot; Lot-et-Garonne; Lozère; Maine-et-Loire; Manche; Marne; Haute-Marne; Mayenne; Meurthe-et-Moselle; Meuse; Morbihan; Moselle; Nièvre; Nord; Oise; Orne; Pas-de-Calais; Puy-de-Dôme; Pyrénées-Atlantiques; Hautes-Pyrénées; Pyrénées-Orientales; Bas-Rhin; Haut-Rhin; Rhône; Lyon Metropolis; Haute-Saône; Saône-et-Loire; Sarthe; Savoie; Haute-Savoie; Paris; Seine-Maritime; Seine-et-Marne; Yvelines; Deux-Sèvres; Somme; Tarn; Tarn-et-Garonne; Var; Vaucluse; Vendée; Vienne; Haute-Vienne; Vosges; Yonne; Territoire de

KEYWORD GUIDE

Belfort; Essonne; Hauts-de-Seine;
Seine-Saint-Denis; Val-de-Marne;
Val-d'Oise; Guadeloupe; Martinique;
Guyane; La Réunion; Mayotte

Mountains:

French Alps; Pyrenees; Midi-
Pyrenees

Rivers:

Loire; Garonne; Lot; Rhine; Rhone;
Seine

Luxemburg
Netherlands (Holland)

WESTERN EUROPE -
BRITISH ISLES

Britain (Great Britain)

England

Regions:

South East; London; North West;
East of England; West Midlands;
South West; Yorkshire and the
Humber; East Midlands; North East

Non-metropolitan counties:

Cambridgeshire; Cumbria;
Derbyshire; Devon; East Sussex;
Essex; Gloucestershire; Hampshire;
Hertfordshire; Kent; Lancashire;
Leicestershire; Lincolnshire; Norfolk;
Northamptonshire; North Yorkshire;
Nottinghamshire; Oxfordshire;
Somerset; Staffordshire; Suffolk;
Surrey; Warwickshire; West Sussex;
Worcestershire

Physiographic regions:

Lowlands, uplands

Mountains and hills:

Lake District; Cheviot Hills; Pennines;
Howgill Fells; Orton Fells; North York
Moors

Rivers:

Severn; Thames; Trent; Great Ouse

Hebrides

Ireland (Northern Ireland, Great Britain;
Republic of Ireland)

Traditional Counties:

Antrim; Armagh; Carlow; Cavan;
Clare; Cork; Donegal; Down; Dublin
(Dún Laoghaire–Rathdown, Fingal,
South Dublin); Fermanagh; Galway;
Kerry; Kildare; Kilkenny; Laois;
Leitrim; Limerick; Londonderry;
Longford; Louth; Mayo; Meath;
Monaghan; Offaly; Roscommon;
Sligo; Tipperary; Tyrone; Waterford;
Westmeath; Wexford; Wicklow

Physiographic regions:

Central plains; coastal mountains

Mountains:

Ballyhoura Mountains; Boggeragh
Mountains; Caha Mountains;
Comeragh Mountains;
Derrynasaggart Mountains; Galty
Mountains; Knockmealdown
Mountains; MacGillycuddy's Reeks;
Mangerton Mountains; Shehy
Mountains; Silvermine Mountains;
Slieve Mish Mountains; Slieve
Miskish Mountains; Slieveardagh

KEYWORD GUIDE

Hills; Blackstairs Mountains; Cooley Mountains; Slieve Bloom Mountains; Wicklow Mountains; Bluestack Mountains; Derryveagh Mountains; Mourne Mountains; Curlew Mountains; Dartry Mountains; Maumturks; Nephin Beg Range; Ox Mountains; Partry Mountains; Sheeffry Range; Twelve Bens

Rivers:

Shannon; River Liffey; River Lee, River Swilly; River Foyle; River Lagan; River Erne; River Blackwater; River Nore; River Suir; River Barrow (The Three Sisters); River Bann; River Slaney; River Boyne; River Moy; River Corrib

Isle of Man

Scotland

Council Areas:

City of Glasgow; City of Edinburgh; Fife; North Lanarkshire; South Lanarkshire; Aberdeenshire; Highland; Aberdeen City; West Lothian; Renfrewshire; Falkirk; Perth and Kinross; Dumfries and Galloway; Dundee City; North Ayrshire; East Ayrshire; Angus; Scottish Borders; South Ayrshire; East Dunbartonshire; East Lothian; Moray; East Renfrewshire; Stirling; Midlothian; West Dunbartonshire; Argyll and Bute; Inverclyde; Clackmannanshire; Na h-Eileanan Siar (Western Isles); Shetland Islands; Orkney Islands

Physiographic regions:

Lowlands; moorlands; highlands

Mountains:

The Highlands & Islands; The Hills of the Central Lowlands; the Southern Uplands.

Rivers:

River Tay; River Spey; River Clyde; River Tweed; River Dee; River Don; River Nith; River Forth

Wales

Regions:

South West Wales; South Wales; Mid Wales; North Wales; West Wales

Districts:

Aberconwy; Alyn and Deeside; Anglesey - Ynys Môn; Arfon; Blaenau Gwent; Brecknock; Cardiff; Carmarthen; Ceredigion; Colwyn; Cynon Valley; Delyn; Dinefwr; Dwyfor; Glyndŵr; Islwyn; Llanelli; Lliw Valley; Meirionnydd; Merthyr Tydfil; Monmouth; Montgomery (renamed Montgomeryshire); Neath; Newport; Ogwr; Afan (renamed Port Talbot); Preseli (renamed Preseli Pembrokeshire); Radnor (renamed Radnorshire); Rhondda; Rhuddlan; Rhymney Valley; South Pembrokeshire; Swansea; Taff-Ely; Torfaen; Vale of Glamorgan; Wrexham Maelor

Physiographic regions:

Coastal plains; valleys; hills; mountains

Mountains:

Cambrian Mountains

Rivers:

Severn; Wye; Teme; Dee

OCEANIA – AUSTRALASIA

Australia

States:

New South Wales;
Queensland; South Australia;
Tasmania; Victoria; Western
Australia

Internal Territories:

Australian Capital Territory; Jervis
Bay Territory; Northern Territory

External Territories:

Ashmore and Cartier Islands;
Australian Antarctic Territory;
Christmas Island; Cocos (Keeling)
Islands; Coral Sea Islands; Heard and
McDonald Islands; Norfolk Island

Physiographic Divisions:

Western Plateau; Interior Lowlands;
Eastern Uplands

Physiographic Regions:

Eastern Highlands (including the
Great Dividing Range, the Brigalow
Belt strip of grassland behind the
east coast, and the Eastern
Uplands); Eastern alluvial Plains and
Lowlands (Murray Darling basin, also
includes parts of the Lake Eyre
Basin); South Australian Highlands
(including the Flinders Range, Eyre
Peninsula, Yorke Peninsula);

Western Plateau (including the
Nullarbor Plain); Central Deserts;
Northern Plateau and Basins
(including the Top End)

Rock Art Regions, Examples of:

Arnhem Land; Black Range Scenic
Reserve; Carnarvon Gorge; Chillagoe
– Mungana Limestone Belt; Dampier
Archipelago (Burrup Peninsula,
Murujuga); Cape York Peninsula;
Cobar Pediplain; Flinders Range;
Grampians; Kakadu National Park;
Keep River; Kimberley; Mann River;
Pilbara; Port Hedland; Sydney
region; Torres Strait; Victoria River;
Wellington Range; Western Desert;
Wollemi National Park

Deserts:

Great Victoria Desert; Great Sandy
Desert; Tanami Desert; Simpson
Desert; Gibson Desert; Little Sandy
Desert; Strzelecki Desert; Sturt Stony
Desert; Tirari Desert ; Pedirka Desert

Mountains:

Australian Alps; Blue Mountains
Flinders Ranges; Grampians; Great
Dividing Range; Mount Lofty Ranges;
Snowy Mountains

Rivers:

Alligator River; Cadell River;
Drysdale River; Flinders River;
Fotescue River; Glenelg River; Gibb
River; Hann River; Hawkesbury
River; Keep River; Little Laura River;
MacDonald River; Mann River;
Marne River; Maxwell River;
McArthur River; Normanby River;
Patrick (aka Paddy's) River
Shoalhaven River; South Para River;

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Upper Weld River; Upper Yule River;
Victoria River;

Chatham Island

New Zealand

Regions:

Northland (Te Tai Tokerau);
Auckland (Tāmaki-makau-rau);
Waikato; Bay of Plenty (Te Moana-a-Toi);
Gisborne (Te Tai Rāwhiti);
Hawke's Bay (Te Matau-a-Māui);
Taranaki; Manawatū-Whanganui;
Wellington (Te Whanga-nui-a-Tara);
Tasman (Te Tai-o-Aorere); Nelson
(Whakatū); Marlborough (Te Taihu-o-te-waka);
West Coast (Te Tai Poutini);
Canterbury; Waitaha; Otago;
Ōtākou; Southland (Murihiku)

Deserts:

Rangipo Desert

Mountains:

Mountain ranges of Otago; Southern Alps;
Tararua Range; mountain ranges of Waikato

Rivers:

Waikato North; Clutha / Matau;
Whanganui; Taieri; Rangitikei;
Mataura; Waiau (Southland);
Clarence; Buller / Kawatiti; Waihou;
Mohaka; Waiau (Canterbury);
Wairau; Whangaehu; Waimakariri;
Mokau

OCEANIA – MELANESIA

Fiji
Papua New Guinea
Solomon Is.
Vanuatu (formerly New Hebrides)

OCEANIA – POLYNESIA

Cook Is.
Hawaii (United States)
Marquesas Islands
Niue

Rapa Nui - Easter Island (Chile)

Region:

Valparaíso

Province:

Isla de Pascua

Physiographic regions:

Volcanoes (Terevaka, Poike, Rano Kau); hawaiite and basalt flows

Samoa
Tokelau
Tonga
Tuvalu

OCEANIA – MICRONESIA

Federated States of Micronesia
Guam (United States)
Kiribati
Marshall Islands
Nauru
Northern Mariana Is.
Palau