Index map of western North America showing locations of Miscellaneous Field Studies Maps MF-1874-A, B, C, and D

Base modified from U.S. Geological Survey 1:10,000,000, North America, 1982

Transverse Mercator projection, Central Meridian (100° west) scale factor equals 0.926

SCALE 1:2 500 000

50 0 50 100 150 200 250 MILES

50 0 50 100 150 200 250 KILOMETERS

AGES OF OVERLAP RELATIONS

[Postaccretion overlap relations shown locally by line of small dots along depositional overlap contacts. Numbers in parentheses indicate geographic location as enumerated under "Accreted Terranes" heading]

- T_5 LATE MIOCENE OVERLAP (6)
- T_4 MIDDLE OR EARLY MIOCENE OVERLAP (6)
- T_3 LATE EOCENE OVERLAP (2, 5)
- T_2 EARLY EOCENE OVERLAP (6)
- K_3 LATE CRETACEOUS (CAMPANIAN) OVERLAP (6)
- K_2 EARLY CRETACEOUS (ALBIAN) OVERLAP (5)
- K_1 EARLY CRETACEOUS (NEOCOMIAN) OVERLAP (5)
- J1 EARLY JURASSIC OVERLAP (3)
- $\bar{T}Ru$ LATE TRIASSIC OVERLAP (4)

TERRANE-BOUNDING FAULT--Dashed where approximately located, dotted where concealed beneath postaccretion cover deposits

POSTACCRETION OR POSTAMALGAMATION CONTACT--Includes both depositional and intrusive contacts and faults that are not terrane boundaries

BELT OF LOW-ANGLE CORDILLERAN THRUST FAULTS--Approximate east limit

DESCRIPTION OF MAP UNITS

POSTACCRETION COVER DEPOSITS

- Q QUATERNARY DEPOSITS
- Cz CENOZOIC DEPOSITS
- K_2 CRETACEOUS DEPOSITS--Albian in age at base
- K_1 CRETACEOUS DEPOSITS--Neocomian in age at base

POSTACCRETION BATHOLITHIC ROCKS

POSTACCRETION GRANITIC AND GNEISSIC ROCKS

ACCRETED TERRANES

Arranged alphabetically by map symbol. Numbers in parentheses following terrane names indicate region(s) where they are found, enumerated as follows:

1. Northern Washington and southern Vancouver Island, Canada
2. Coastal and offshore Washington and Oregon
3. Northeast Oregon, west-central Idaho, and southeast Washington
4. Southern Idaho and Nevada
5. Klamath Mountains and Coast Ranges of southwestern Oregon and northern California
6. Coast Ranges and offshore continental borderlands of southern California
7. Sierra Nevada and east-central California
8. Peninsular Ranges and Mojave region of southern California and southwest Arizona

- AG APPLEGATE TERRANE (5)
- AZ ALCATRAZ TERRANE (5)
- BA BAKER TERRANE (3)
- BH BURNT HILLS TERRANE (5)
- BL BUCKS LAKE TERRANE (7)
- BRK BLACK ROCK TERRANE (4)
- BY BALDY TERRANE (5, 8)
- CAB CABORCA TERRANE (8)
- CD CONDREY MOUNTAIN TERRANE (5)
- CE CENTRAL TERRANE (5, 6)
- CK CHILLIWACK TERRANE (1)
- CM CENTRAL METAMORPHIC TERRANE (5)
- CO COASTAL TERRANE (5)
- CR CRESCENT TERRANE (1, 2)
- CT CATALINA TERRANE (6)
- CTS CORTES TERRANE (8)
- DO DON PEDRO TERRANE (7)
- DP DEL PUERTO TERRANE (6)
- EC ELDER CREEK TERRANE (5)
- EK EASTERN KLAMATH TERRANE (5)
- EP EL PASO TERRANE (8)
- FH FOOTHILLS TERRANE (7)
- FJ FORT JONES TERRANE (5)
- FR FEATHER RIVER TERRANE (7)
- FU FULMAR TERRANE (2)
- GB GOLD BEACH TERRANE (5)
- GC GOLCONDA TERRANE (4)
- GS GRINDSTONE TERRANE (3)
- HB HEALDSBURG TERRANE (5)
- HF HAYFORK TERRANE (5)
- HG HIGH SIERRA-GODDARD TERRANE (7)
- HO HOH TERRANE (2)
- HR HARO-SPIEDEN TERRANE (1)
- HZ HOZAMEEN TERRANE (1)
- IZ IZEE TERRANE (3)
- JN JACKSON TERRANE (4)
- JO JUNGO TERRANE (4)
- KI KING RANGE TERRANE (5)
- KN KINGS TERRANE (7)
- KO KOOTENAY TERRANE (1)
- KR KETTLE ROCK TERRANE (7)
- KW KAWEAH TERRANE (7)
- LZ LOPEZ TERRANE (1)
- MB MARBLE MOUNTAIN TERRANE (5)
- MC MAY CREEK TERRANE (5)
- MH MARIN HEADLANDS TERRANE (5, 6)
- MI MOUNT INGALLS TERRANE (1)
- MM MCCOY MOUNTAINS TERRANE (8)
- MR MERCED RIVER TERRANE (7)
- MT METHOW TERRANE (1)
- MU MALIBU TERRANE (6)
- NA NASON TERRANE (1)
- NF NORTH FORK TERRANE (5)
- NK NOOKSACK TERRANE (1)
- NQ NOVATO QUARRY TERRANE (5)
- NR NICASIO TERRANE (5)
- NSI NORTHERN SIERRA TERRANE (7)
- OC OLYMPIC COKE TERRANE (2)
- OF OLDS FERRY TERRANE (3)
- OP OLNEY PASS TERRANE (1)
- OW OWYHEE TERRANE (4)
- OWN OWENS TERRANE (7)
- OZ OZETTE TERRANE (2)
- PA POINT ARENA TERRANE (5)
- PAR PATTON RIDGE TERRANE (6)
- PM PERMANENTE TERRANE (6)
- PP PICKETT PEAK TERRANE (5)
- PR PACIFIC RIM TERRANE (1)
- QN QUESNELLIA TERRANE--Undifferentiated (1)
- QNH QUESNELLIA TERRANE, HARPER RANCH SUBTERRANE (1)
- QNO QUESNELLIA TERRANE, OKANAGAN SUBTERRANE (1)
- RC ROARING CREEK TERRANE (1)
- RD RODRIQUEZ TERRANE (6)
- RM ROBERTS TERRANE (4)
- RS RATTLESNAKE CREEK TERRANE (5)
- SA SANTA ANA TERRANE (8)
- SB SAN BRUNO MOUNTAIN TERRANE (6)
- SCM SNOW CAMP MOUNTAIN TERRANE (5)
- SH SHUKSAN TERRANE (1)
- SHM SHADOW MOUNTAIN TERRANE (8)
- SJ SAN JUAN TERRANE (1)
- SK SKAGIT TERRANE (1)
- SL SALINIA TERRANE (5, 6)
- SN SAN NICOLAS TERRANE (6)
- SR SALMON RIVER TERRANE (5)
- SS SAN SIMEON TERRANE (6)
- STM STANLEY MOUNTAIN TERRANE (6)
- SW SNOW MOUNTAIN TERRANE (5)
- SZ SILETZ TERRANE (2)
- TJ TUJUNGA TERRANE (6, 8)
- TR TRINITY TERRANE (5)
- TS TWIN SISTERS TERRANE (1)
- VA VAN ARSDALE TERRANE (5)
- WA WALLOWA TERRANE (3)
- WESTERN KLAMATH TERRANE
  - WKB WESTERN KLAMATH TERRANE, BRIGGS CREEK SUBTERRANE (5)
  - WKD WESTERN KLAMATH TERRANE, DRY BUTTE SUBTERRANE (5)
  - WKR WESTERN KLAMATH TERRANE, ROGUE VALLEY SUBTERRANE (5)
  - WKS WESTERN KLAMATH TERRANE, SMITH RIVER SUBTERRANE (5)
- WMP WHITE MOUNTAIN PEAK TERRANE (7)
- WALKER LAKE TERRANE
  - WPD WALKER LAKE TERRANE, PARADISE SUBTERRANE (4)
  - WPN WALKER LAKE TERRANE, PINE NUT SUBTERRANE (4)
- WR WRANGELLIA TERRANE (1)
- YB YOLLA BOLLY TERRANE (5, 6)
- YR YREKA TERRANE (5)

NONACCRETIONARY CONTINENTAL ROCKS AND OCEANIC PLATES

- NAm NORTH AMERICA--Continental rocks of North America not accreted during Phanerozoic time
- JDF JUAN DE FUCA PLATE
- PAC PACIFIC PLATE

This map is part of a folio of the lithotectonic terrane maps of the North American Cordillera, edited by N.J. Silberling and D.L. Jones. Other publications in this folio include U.S. Geological Survey Miscellaneous Field Studies Maps MF-1874-A, MF-1874-B, and MF-1874-D.

LITHOTECTONIC TERRANE MAP OF THE WESTERN CONTERMINOUS UNITED STATES

By
N.J. Silberling, D.L. Jones, M.C. Blake, Jr., and D.G. Howell

1987

U.S. GEOLOGICAL SURVEY RESTON VA
MAY 01 1987
LIBRARY

USGS LIBRARY - RESTON
3 1818 00184403 2
MF-1874-C
c.2

M(200)
MF-1874-C
c.2

Explanatory pamphlet accompanies map

Interior—Geological Survey, Reston, Va.—1987
For sale by U.S. Geological Survey, Map Distribution, Box 25286, Federal Center, Denver, CO 80225