

PREPARED IN COLLABORATION WITH
RUSSIAN ACADEMY OF SCIENCES
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GEOLOGICAL SURVEY OF JAPAN/AIST

REFER TO EXPLANATORY PAMPHLETS FOR
SUMMARY TABLES OF LOBE DEPOSITS, PLACER
DISTRICTS, AND METALLOGENIC BELTS.
REFER TO SHEET 1 FOR LIST OF MAP UNITS.

CONTACTS, FAULTS, AND SYMBOLS

Secondary contact (including
unconformities) fault contact
between terranes

Active subduction zone

Post-Accretion Faults

Thrust

Normal fault

Roll

Symbols

Amblydrome

Major fault

Lake

Metagene belt

**TERRANES IN LATE PRECAMBRIAN AND
PHANEROZOIC OROGENIC BELTS**

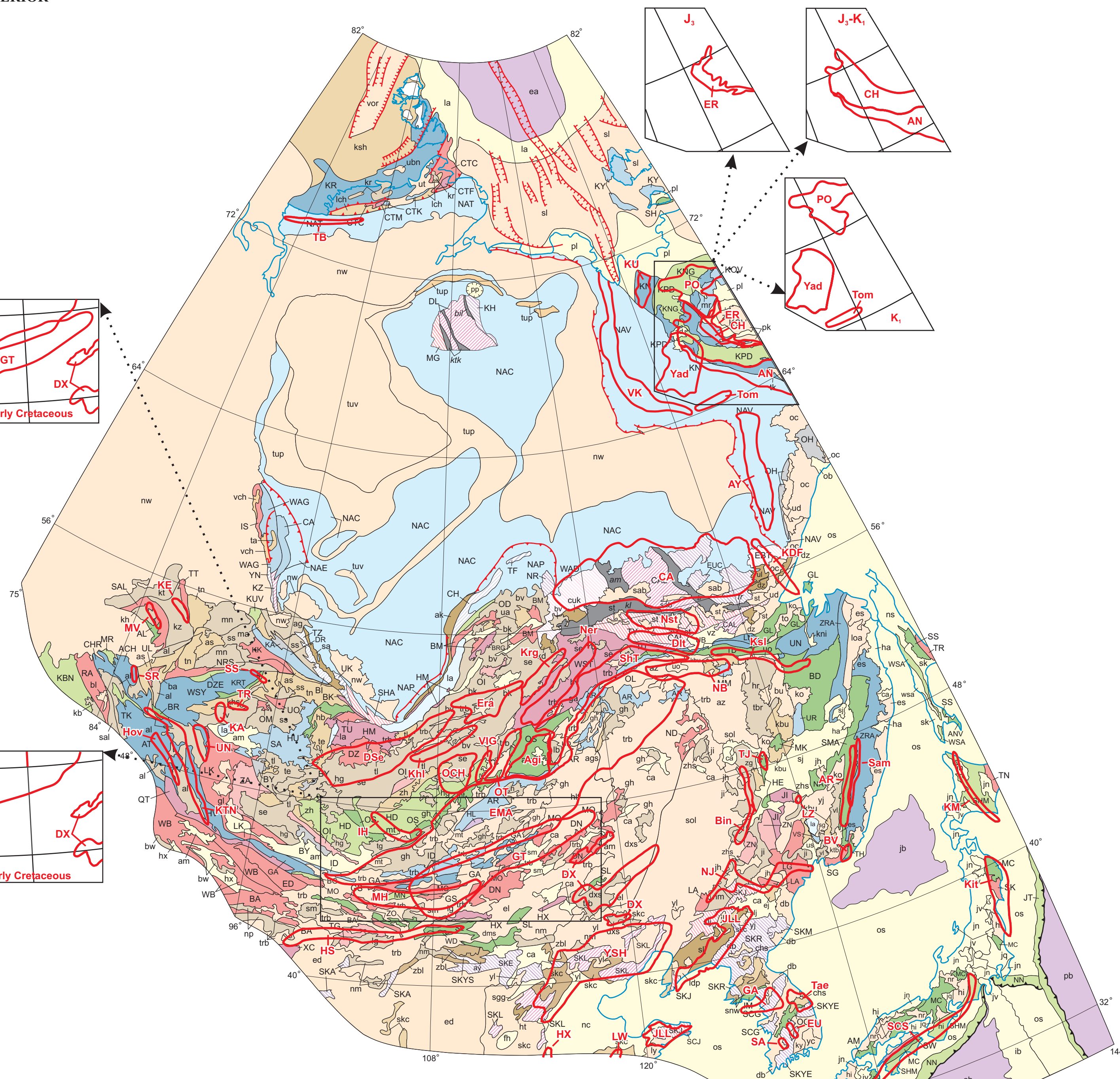
- Craton terrane
- Passive continental margin terrane
- Continental margin turbidite terrane
- Continental margin arc terrane
- Island arc terrane
- Oceanic terrane and oceanic crust of ocean
- Accretionary wedge terrane A,
generally subvolcanic with lesser or
no oceanic rocks
- Accretionary wedge terrane B,
generally oceanic rocks with lesser turbidites
- Metamorphic terrane

**TERRANES IN EARLY PRECAMBRIAN
CENTRAL BASIN OF CRATONS AND
CRATONS WITH MESOZOIC/PALEOZOIC
OVERLAP**

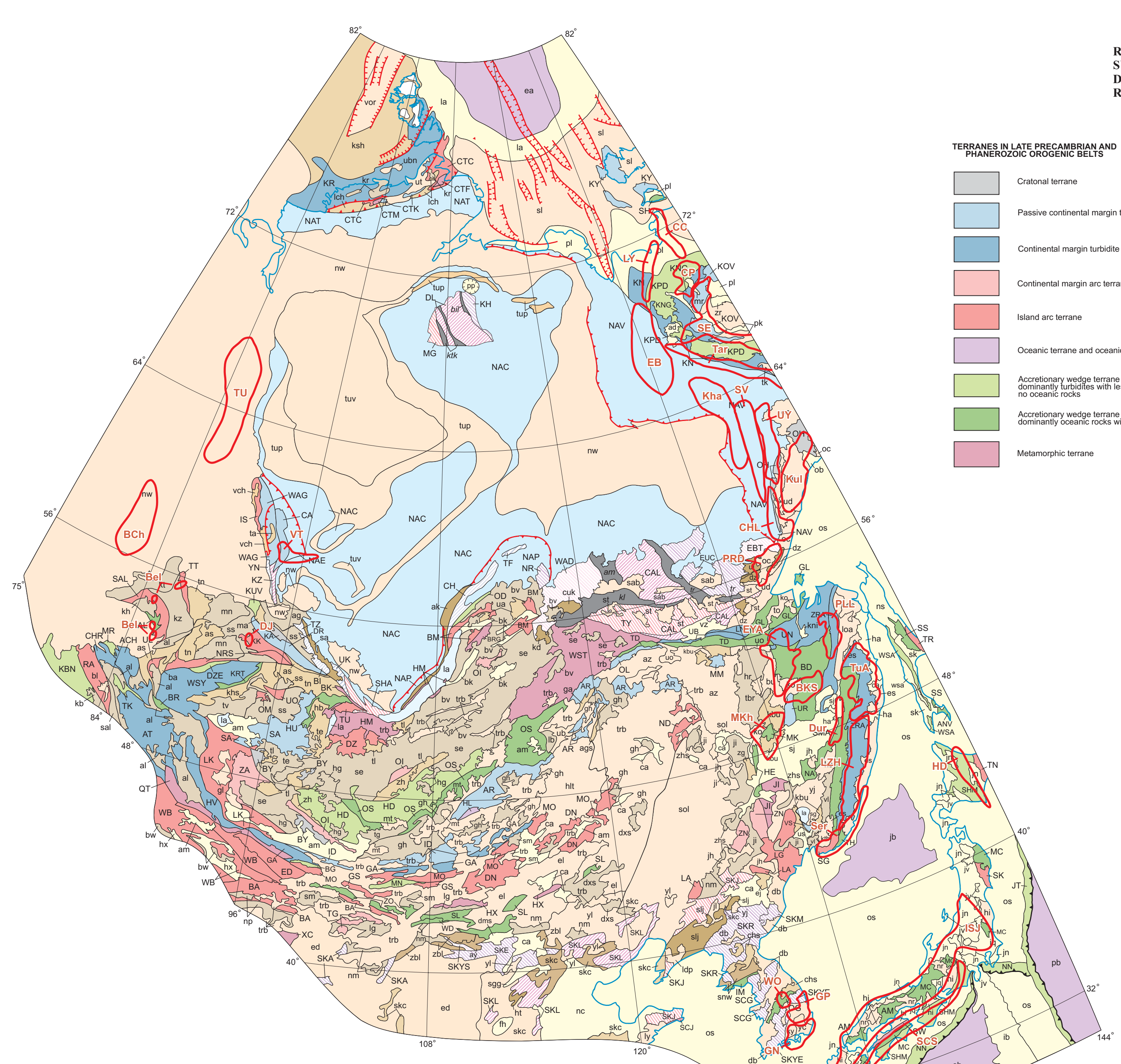
- Granite-greenstone terrane
- Tonalite-trondhjemite-gneiss terrane
- Granulite-orthogneiss terrane
- Granulite-paragneiss terrane
- Paragneiss terrane
- Greenachist terrane
- Craton with isopogonial overlap
and craton margin
- Major melange zone

OVERLAP AND STITCH ASSEMBLAGES
(Assemblages shown by lighter lines according to age;
for craton assemblages with long age spans,
the color of the oldest major unit is shown.)

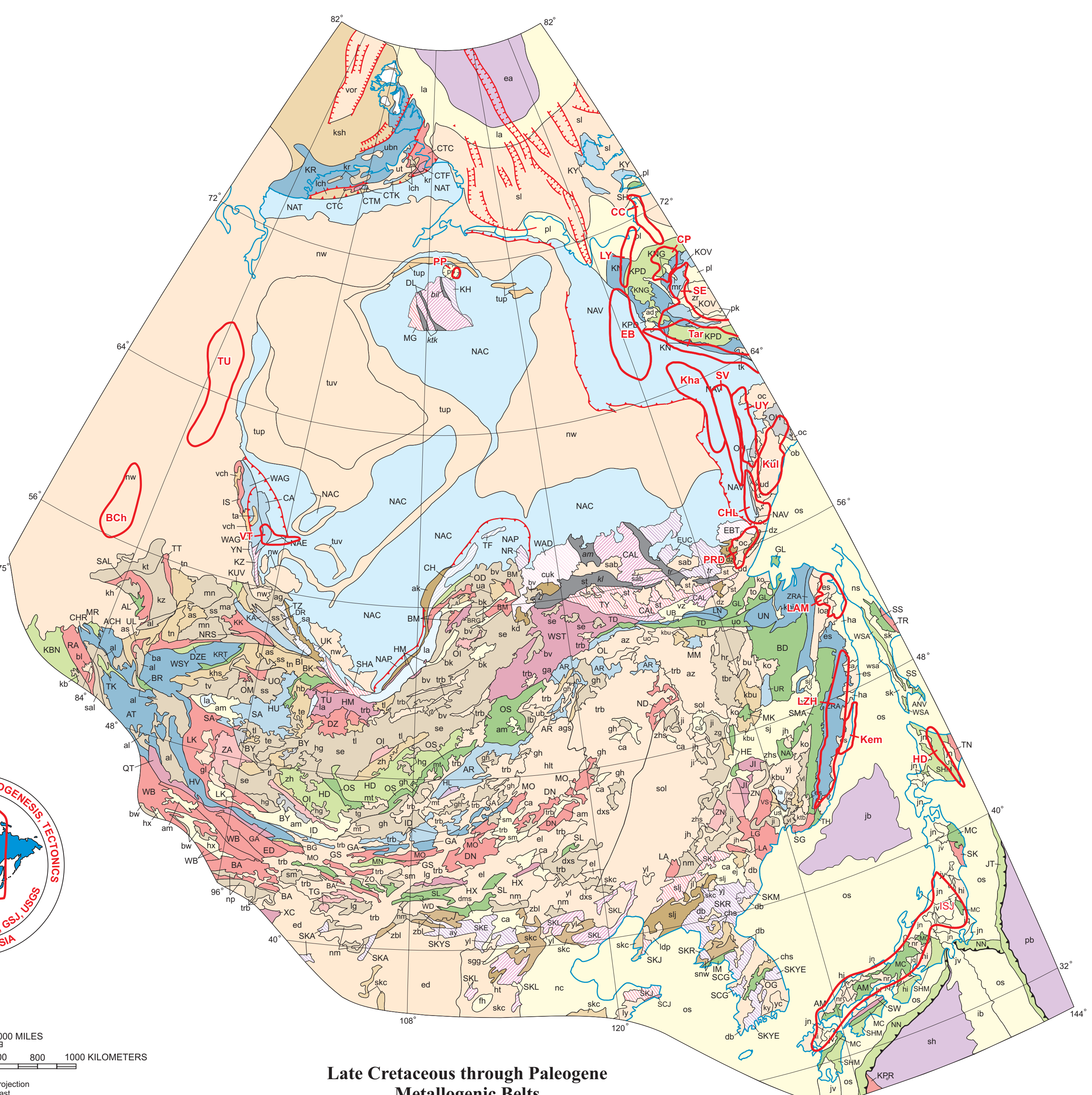
- Cenozoic
- Mesozoic (Triassic, Jurassic, and Cretaceous)
- Middle and Late Paleozoic (Devonian through Permian)
- Late Neoproterozoic and Early Paleozoic
(Wendian through Silurian)
- Neoproterozoic through Riphean
- Mesoproterozoic
- Paleoproterozoic



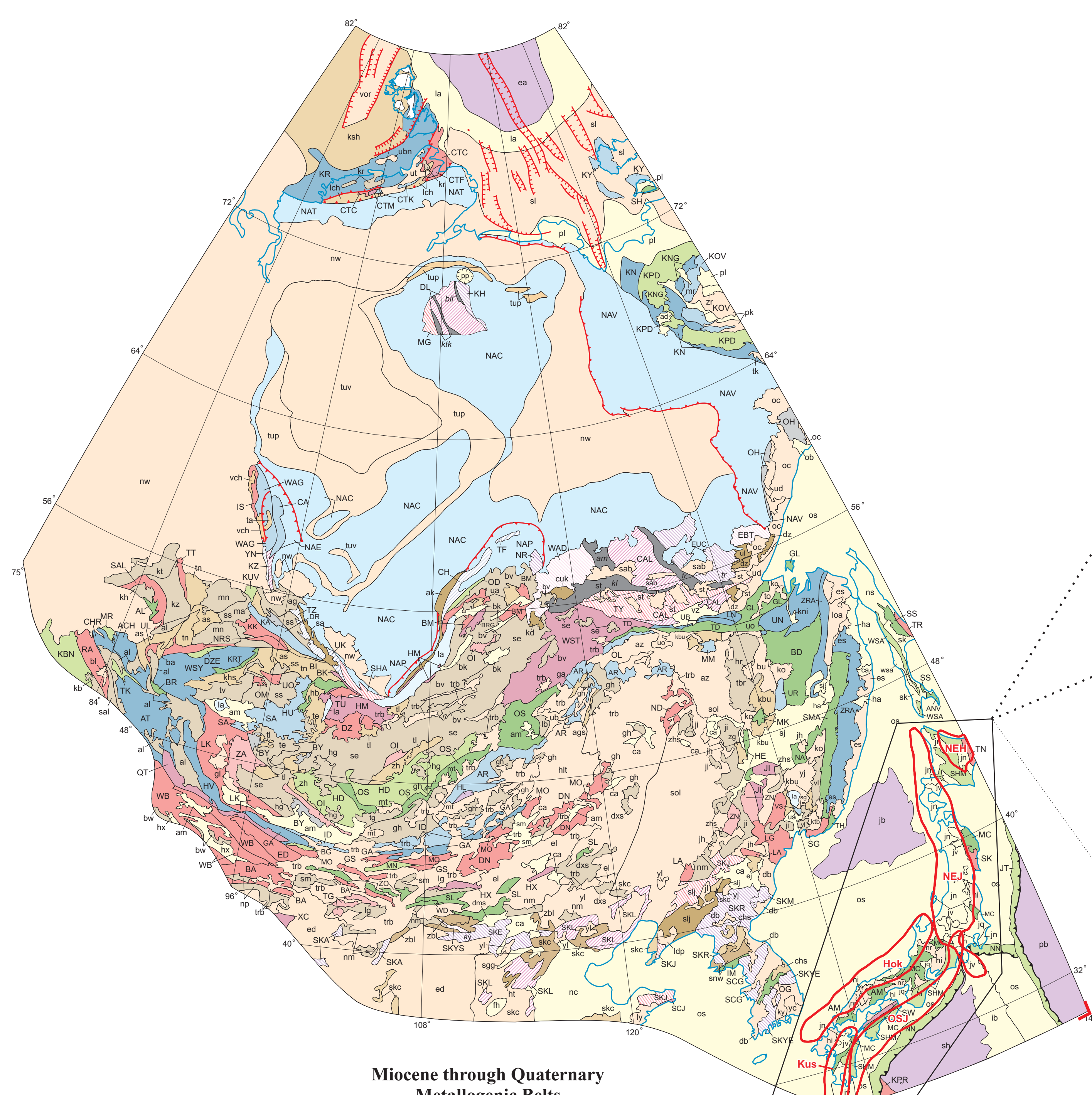
Middle Jurassic through Early Cretaceous
Metallogenic Belts



Cenomanian through Campanian
Metallogenic Belts



Late Cretaceous through Paleogene
Metallogenic Belts



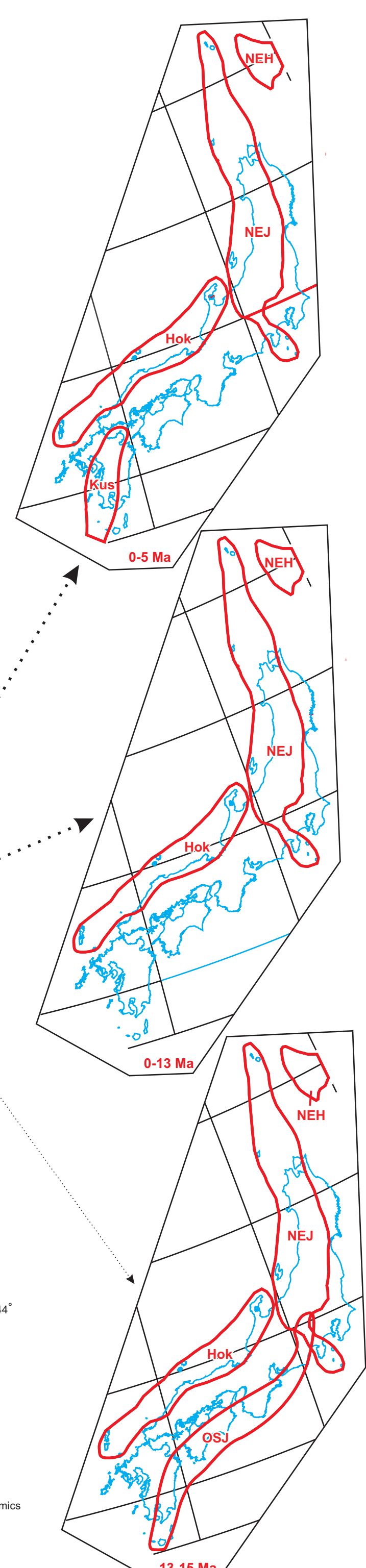
Miocene through Quaternary
Metallogenic Belts



SCALE: 1:15,000,000

0 500 1000 MILES
0 200 400 600 800 1000 KILOMETERS

Lambert Conformal equal-area projection
 Central longitude 110 degrees East
 Central latitude 40 degrees North
 Geographic base from Miller and others (1968, 1969)



METALLOGENIC BELT AND MINERAL DEPOSIT MAPS FOR NORTHEAST ASIA: SHEET 4 - MIDDLE JURASSIC THROUGH QUATERNARY METALLOGENIC BELTS

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Geologic base map is generalized version of Northeast Asia Geodynamics Map (Parfenov, and others, 2003)

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