

**COLORS, PATTERNS, SYMBOLS, FAULTS, AND CONTACTS**

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

- Cratonic terrane
- Passive continental margin terrane
- Continental margin turbidite terrane
- Continental margin arc terrane
- Island arc terrane
- Oceanic terrane, oceanic crust, and seamount
- Accretionary wedge terrane A, dominantly turbidites with lesser or no oceanic rocks
- Accretionary wedge terrane B, dominantly oceanic rocks with lesser turbidites
- Metamorphic terrane

**TERRANES IN EARLY PRECAMBRIAN CRYSTALLINE BASEMENT OF CRATONS WITH MEGACLINAL OVERLAP AND MAJOR MELANGE ZONES**

- Granite-gneiss terrane
- Tonalite-trochymelite-gneiss terrane
- Granulite-orthogneiss terrane
- Granulite-paragneiss terrane
- Paragneiss terrane
- Greenschist terrane
- Craton with megaclinical overlap and craton margin
- Major melange zone with minimum width of several kilometers

**OVERLAP AND BITCH ASSEMBLAGES**  
(Assemblages shown by lighter tints according to age; for overlap assemblages with long age span, 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 (Vendian through Silurian)
- Neoproterozoic through Riphean
- Mesoproterozoic
- Paleoproterozoic

**PATTERNS FOR TECTONIC (GEO-DYNAMIC) ENVIRONMENTS OF OVERLAP AND BITCH ASSEMBLAGES - color-scale symbols**

**CONTACTS, FAULTS, AND SYMBOLS**

**Active continental margin and island arc (modern and ancient) and related assemblages**

- Volcanic-plutonic belts
- Alkaline and subalkaline granite
- REE and plumbite granite
- Mafic dike
- Kimberlite pipe
- Metamorphic core complex (Cordillera type)
- Blueschist
- Eclogite

**Transform-plate boundary-related assemblages**

- Alkaline and subalkaline granite
- Alkaline mafic and ultramafic rock
- Alkaline and subalkaline granite

**Terrane-bounding faults**

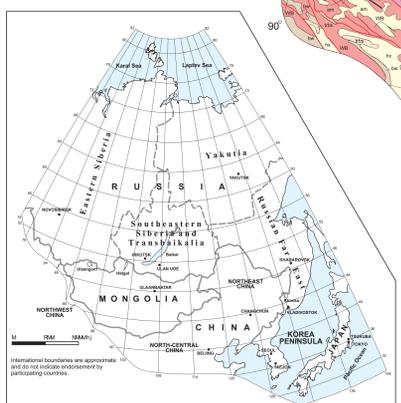
- Thrust
- Strike-slip fault
- Fault with unknown sense of displacement

**Major post-accretion faults**

- Thrust
- Frontal monocline
- Strike-slip fault
- Normal fault
- Fault with unknown sense of displacement
- Melange zone

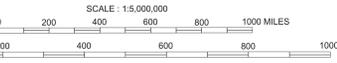
**Other Symbols and Units**

- Intuitive or stratigraphic boundary between sedimentary, volcanic, and plutonic units; fault contacts between terranes
- Contour line for bottom of major sedimentary basins (in km beneath surface)
- Buried rift (autoogen) and filling
- Asthenite
- Major icefield
- Major lake
- Shoreline



Specific regions for the Northeast Asia Geodynamics Map was compiled by the following persons:

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**NORTHEAST ASIA GEODYNAMICS MAP**

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