

Outboard terranes

Accretionary complexes

- Unknown**
- Quaternary (0-2.6 Ma)**
- Cenozoic (0-66 Ma)**
- Miocene to Paleocene (5.3-56 Ma)**
- Miocene (5.3-23.0 Ma)**
- Oligocene (23.0-33.5 Ma)**
- Eocene (33.9-56 Ma)**

Syn to post-accretionary

- Eocene or Paleocene (33-9-66 Ma)**
- Paleocene (56-66 Ma)**
- Cenozoic to Cretaceous (0-145 Ma)**
- Upper Cretaceous (66-145 Ma)**
- Lower Cretaceous (100.5-145 Ma)**
- Triassic (201-252 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Earliest Cambrian to Latest Neoproterozoic (529-635 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**

- Unknown**
- Quaternary (0-2.6 Ma)**
- Cenozoic (0-66 Ma)**
- Miocene to Paleocene (5.3-56 Ma)**
- Miocene (5.3-23.0 Ma)**
- Oligocene (23.0-33.5 Ma)**
- Eocene (33.9-56 Ma)**
- Paleocene (56-66 Ma)**
- Cenozoic to Cretaceous (0-145 Ma)**
- Upper Cretaceous (66-145 Ma)**
- Lower Cretaceous (100.5-145 Ma)**
- Triassic (201-252 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
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- Lower Cretaceous (100.5-145 Ma)**
- Cretaceous (66-145 Ma)**
- Cretaceous and Upper Jurassic (66-163.5 Ma)**
- Triassic (201-252 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
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Insular terranes

Wrangellia

- Cretaceous and Jurassic (66-201 Ma)**
- Lower Jurassic (174-201 Ma)**
- Lower Jurassic to Upper Triassic (174-237 Ma)**
- Upper Triassic (201-237 Ma)**
- Middle to Upper Triassic (201-247 Ma)**
- Triassic (201-252 Ma)**
- Cretaceous and/or Paleozoic**
- Mesozoic or Paleozoic**
- Permian (252-299 Ma)**
- Lower Permian to Pennsylvanian (272-323 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
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- Lower Paleozoic to Proterozoic (<419 Ma)**

Saint Elias sequence

- Upper Paleozoic (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Earliest Cambrian to Latest Neoproterozoic (529-635 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**

Alexander terrane

- Upper Jurassic (145-163.5 Ma)**
- Upper Triassic (201-237 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
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Intermontanne terranes

Stikine terrane

- Triassic (201-252 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
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- Lower Paleozoic to Proterozoic (<419 Ma)**

Cache Creek terrane

- Upper to Middle Jurassic (145-174 Ma)**
- Lower Jurassic (174-201 Ma)**
- Lower Jurassic to Upper Triassic (174-237 Ma)**
- Triassic (201-252 Ma)**
- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
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- Lower Paleozoic to Proterozoic (<419 Ma)**

Yukon-Tanana terrane

- Permian (252-299 Ma)**
- Carboniferous (299-359 Ma)**
- Mississippian to Devonian (323-419 Ma)**
- Permian to Devonian (252-419 Ma)**
- Permian to Silurian (252-444 Ma)**
- Devonian to Silurian (323-444 Ma)**
- Ordnovician to Cambrian (445-541 Ma)**
- Upper Paleozoic (252-419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**
- Earliest Cambrian to Latest Neoproterozoic (529-635 Ma)**
- Lower Paleozoic to Proterozoic (<419 Ma)**

Plate-1 Generalized geologic map of southeast Alaska, northwest British Columbia and southwest Yukon

Compiled by Karl, S.M. and Wilson, F.H.
 after Yukon Geological Survey (2016),
 Gordey and Makepeace (2003),
 Massey et al. (2005), and Wilson et al. (2015)
 This map accompanies:
 Whitehorse 2016 annual meeting of the
 Geological Association of Canada -
 Mineralogical Association of Canada (GAC-MAC)
 June 2016
 Fieldtrip B2

Volcanogenic massive sulphide and orogenic gold deposits of northern southeast Alaska

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Geologic map references

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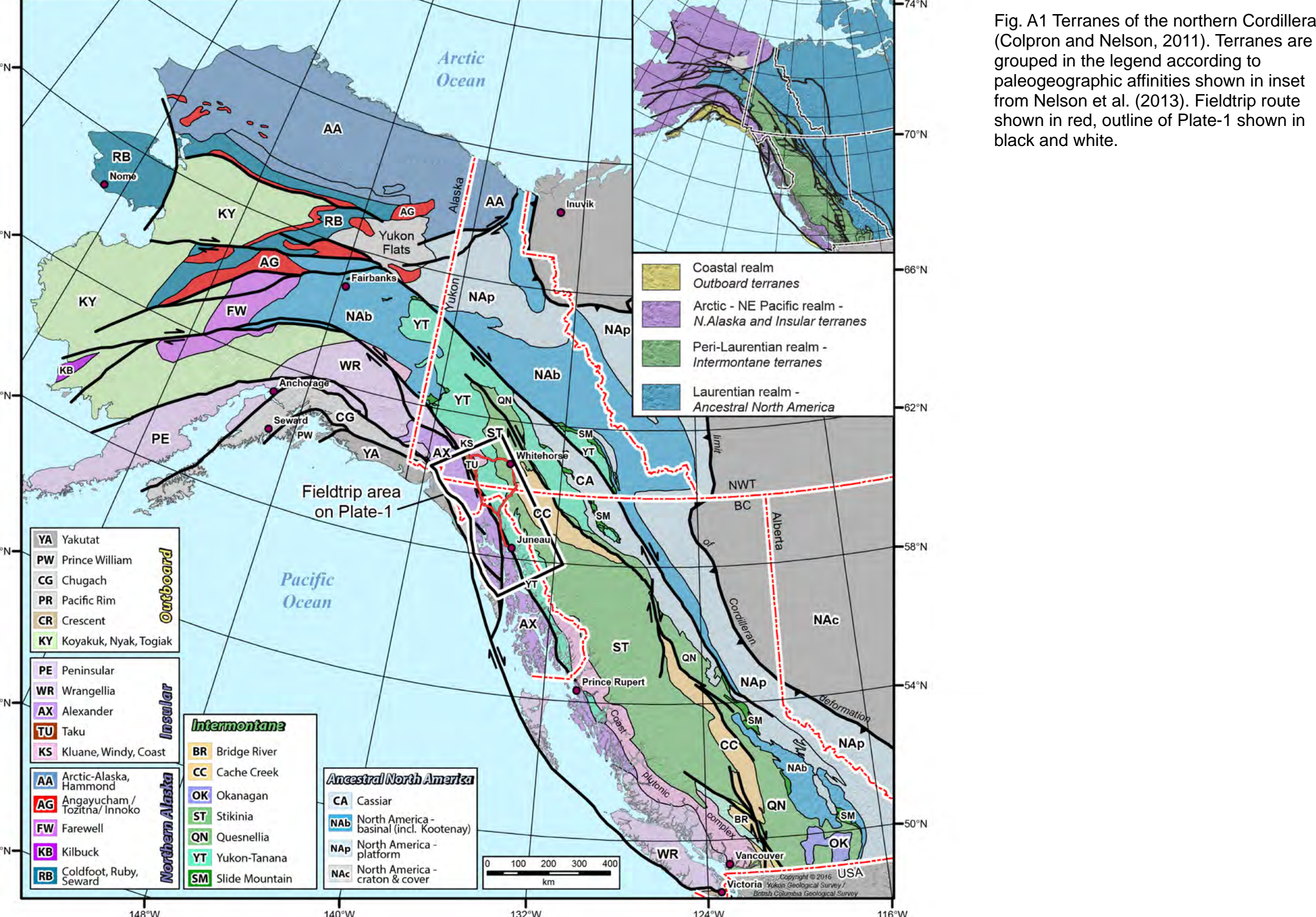


Fig. A1 Terranes of the northern Cordillera (Colpron and Nelson, 2011). Terranes are grouped in the legend according to paleogeographic affinities shown in inset from Nelson et al. (2013). Fieldtrip route shown in red, outline of Plate-1 shown in black and white.

