







# Legend for metallogenic maps



Note: All mineral occurrences, except jade, asbestos, phosphate, gypsum and limestone, are represented by a symbol and a colour. The symbol denotes occurrence type and the colour denotes the major commodity/commodities.

- |   |                                      |   |  |   |                 |
|---|--------------------------------------|---|--|---|-----------------|
| ⊕ | Porphyry                             | □ | Sedimentary exhalative (SEDEX)             | ✕ | Coal occurrence |
| ● | Intrusive Related Gold System (IRGS) | ▣ | HRU type Sedex                             | ■ | Coal deposit    |
| ⬡ | Skarn                                | ⊠ | Shale hosted Ni                            | ⊕ | Hydrocarbons    |
| ○ | Vein                                 | □ | Volcanic associated massive sulphide (VMS) | ☆ | Paleoplacer     |
| ⊕ | Vein (KHQ)                           | △ | Mafic Intrusive Related (MIR)              |   |                 |
| ⊙ | Fault Zone                           | △ | Basaltic Cu                                |   |                 |
| ⊕ | Breccia                              | ✕ | Ultramafic Associated                      |   |                 |
| ⊕ | Replacement                          | ⬆ | Jade                                       |   |                 |
| ⬠ | Wernecke Breccia                     | ⬆ | Asbestos                                   |   |                 |
| ▼ | Mississippi Valley Type (MVT)        | P | Phosphate                                  |   |                 |
| ▼ | Carbonate Hosted                     | G | Gypsum                                     |   |                 |
| ▼ | Blende Type                          | L | Limestone                                  |   |                 |

 Au and/or Ag  
 Pb and/or Zn

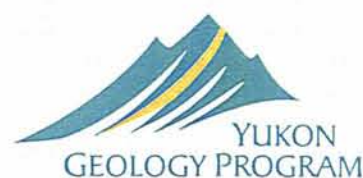
 Cu and/or Mo  
 Sn and/or W

 F, Hg and/or Sb  
 U and/or REE

 Cr and/or Ni  
 Fe or Mn

 Silica  
 Barite

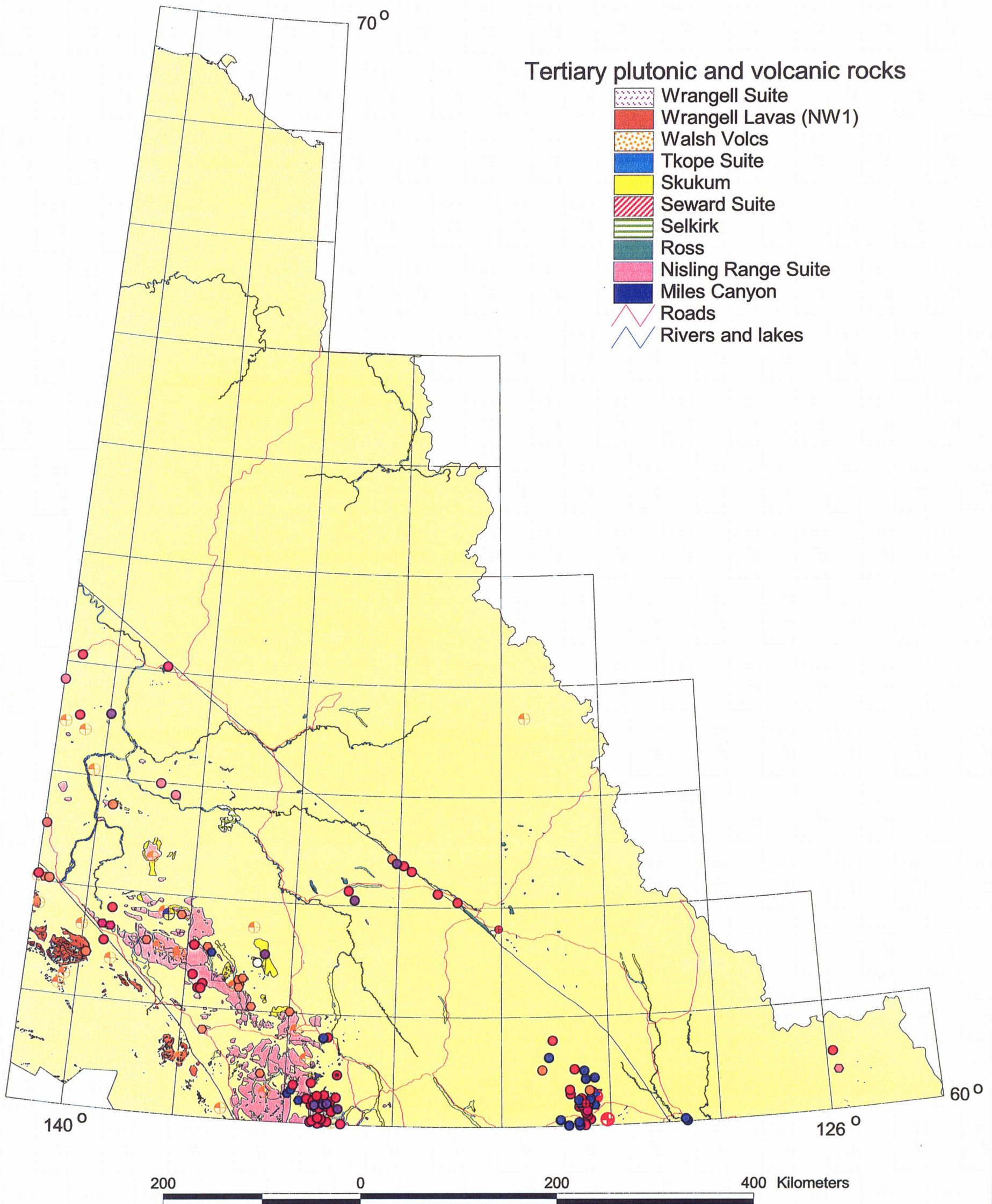
Canada



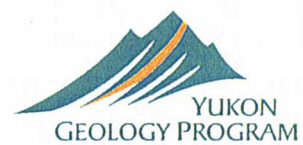
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# Tertiary

(May include some mineral occurrences as old as Late Cretaceous)



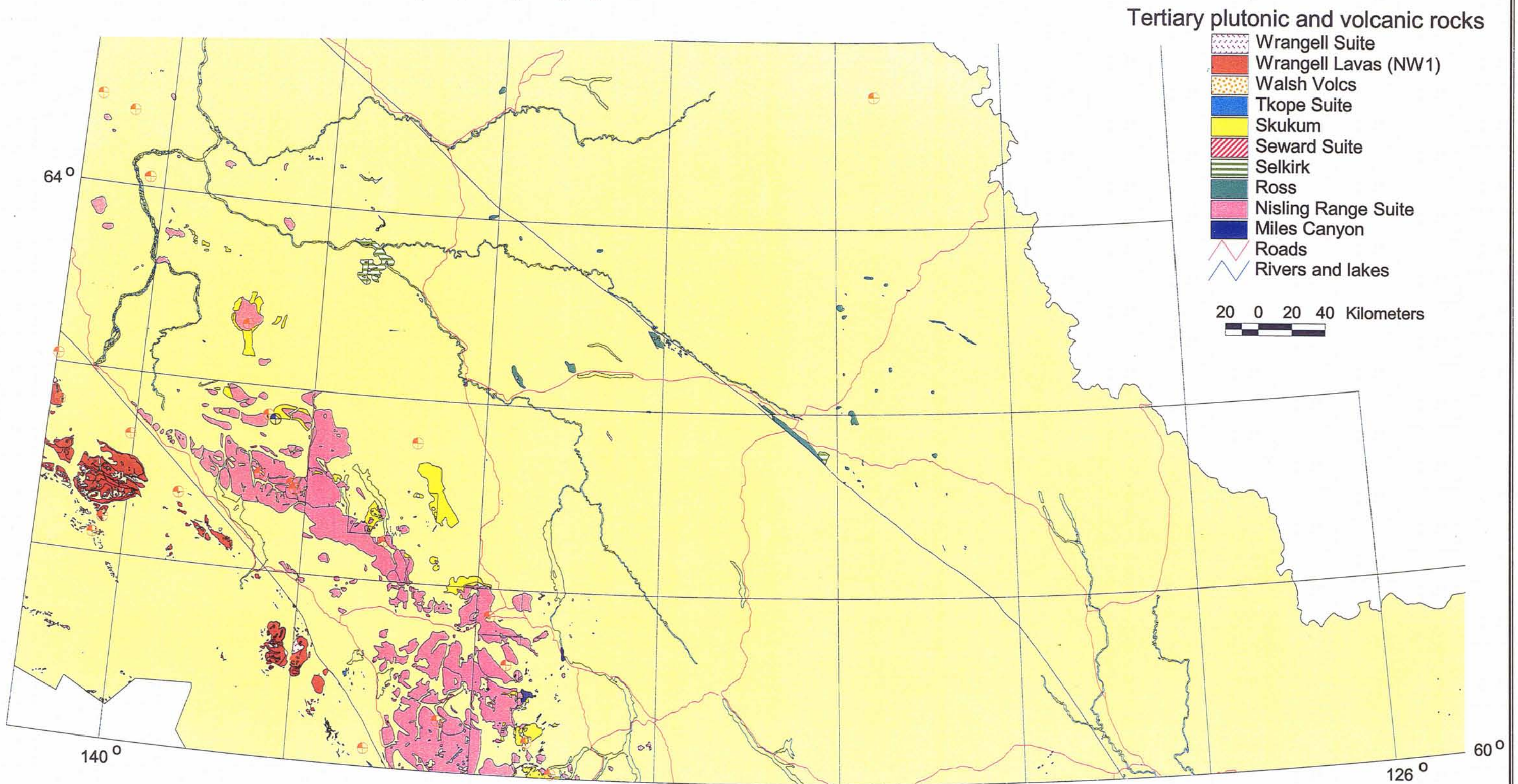
Note:  
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# Tertiary: porphyry occurrences



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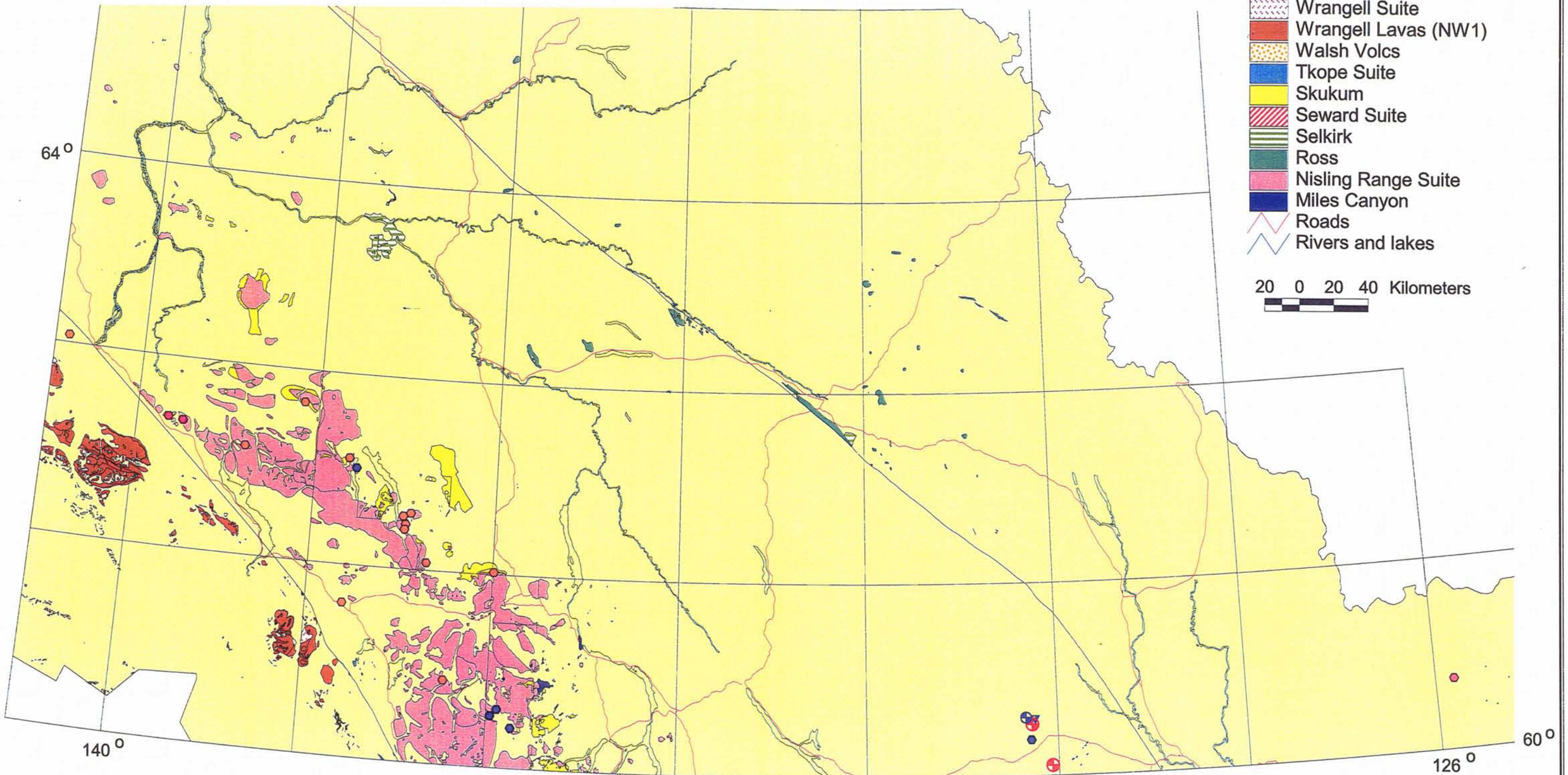
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# Tertiary: skarn, replacement & carbonate hosted occurrences

## Tertiary plutonic and volcanic rocks

-  Wrangell Suite
-  Wrangell Lavas (NW1)
-  Walsh Volcs
-  Tkope Suite
-  Skukum
-  Seward Suite
-  Selkirk
-  Ross
-  Nisling Range Suite
-  Miles Canyon
-  Roads
-  Rivers and lakes

20 0 20 40 Kilometers

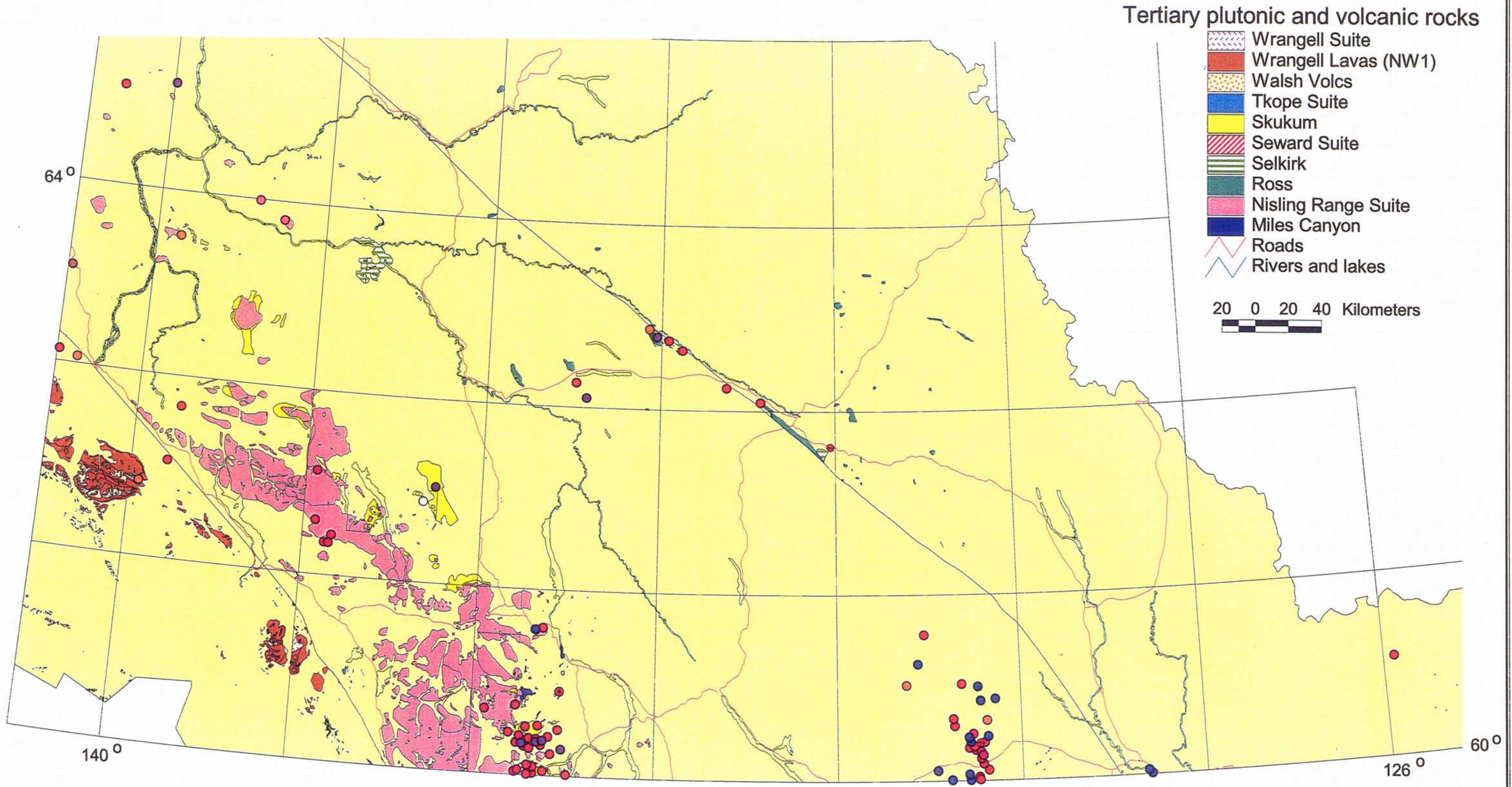
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 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

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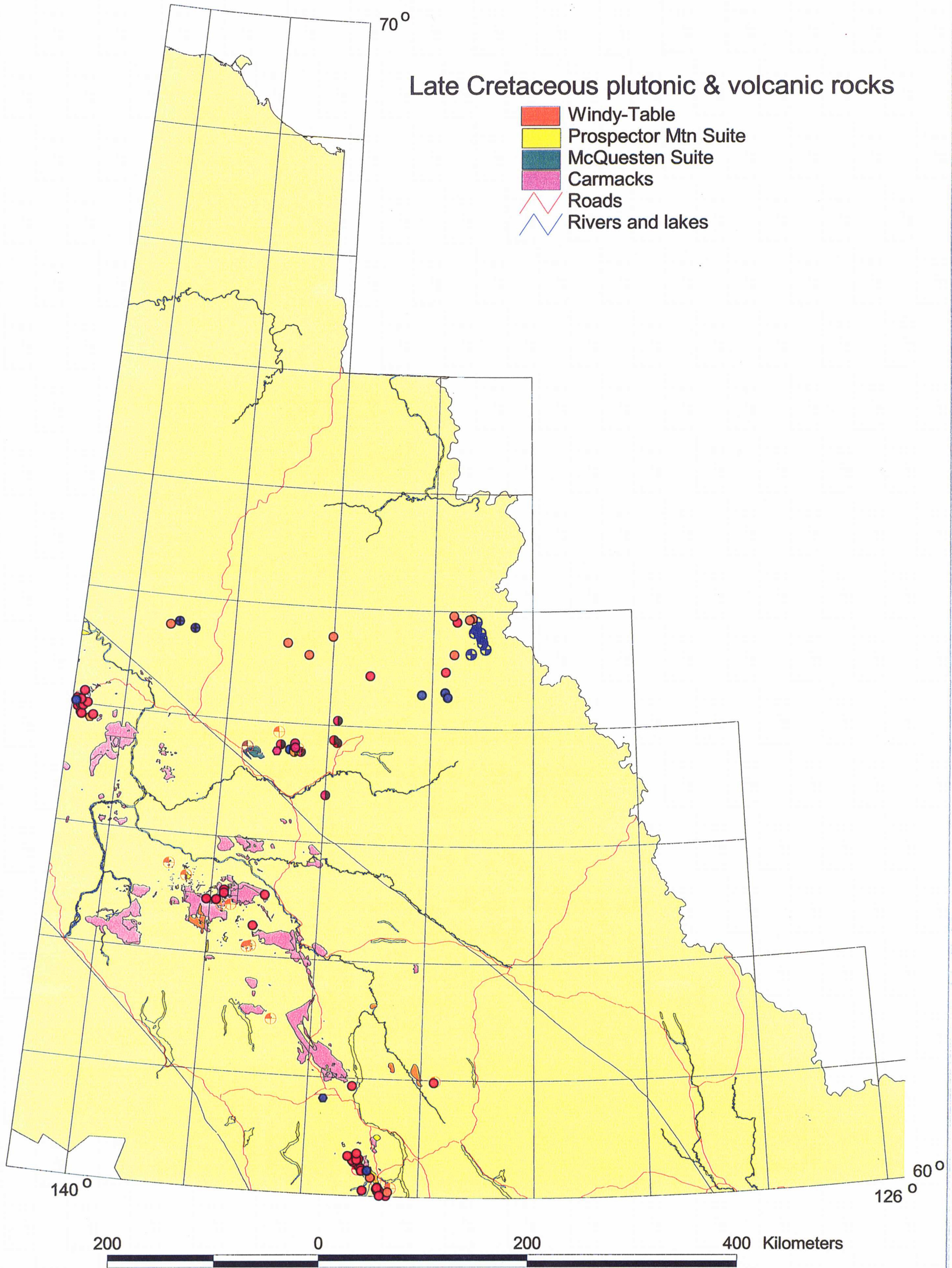
# Tertiary: vein, breccia & fault zone occurrences



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minifile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

# Late Cretaceous

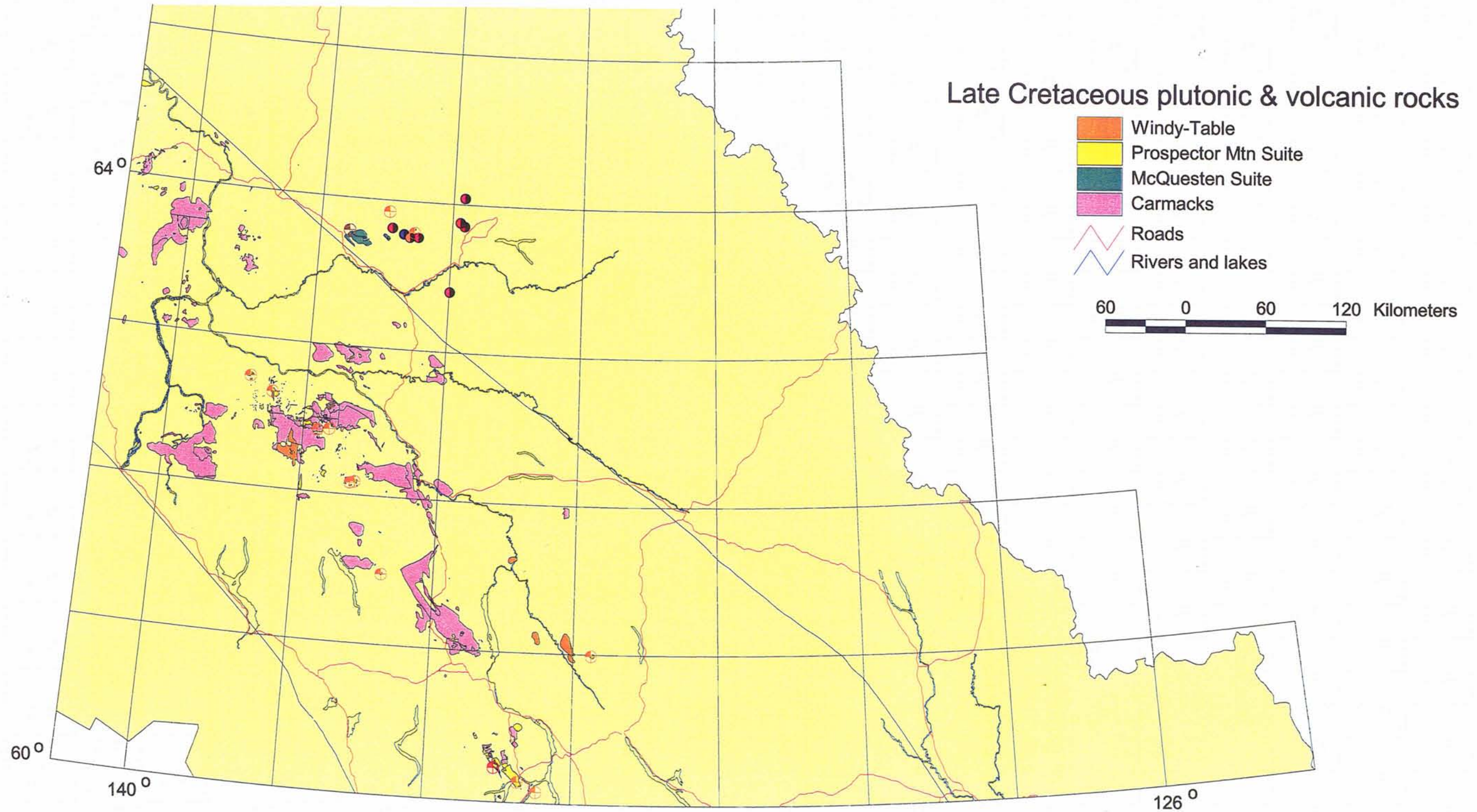
(Note: includes all occurrences thought to be related to Late Cretaceous magmatic rocks, but may include some which are Early Tertiary)



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
 Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

# Late Cretaceous: intrusive related gold system (IRGS) & porphyry occurrences

(Note: includes all occurrences thought to be related to Late Cretaceous magmatic rocks, but may include some which are Early Tertiary)



Note:  
Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

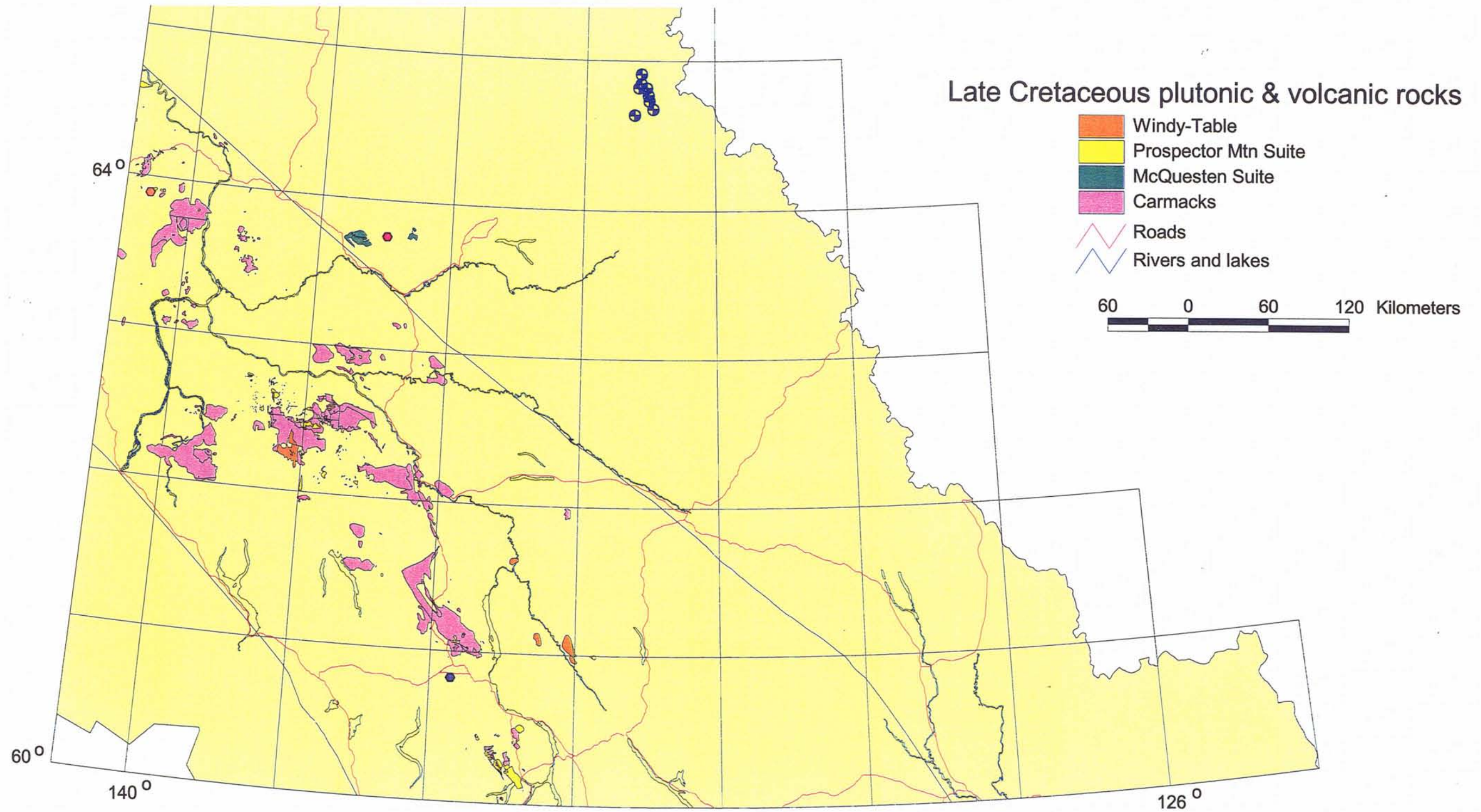
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# Late Cretaceous: skarn & replacement occurrences

(Note: includes all occurrences thought to be related to Late Cretaceous magmatic rocks, but may include some which are Early Tertiary)



Note:  
Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

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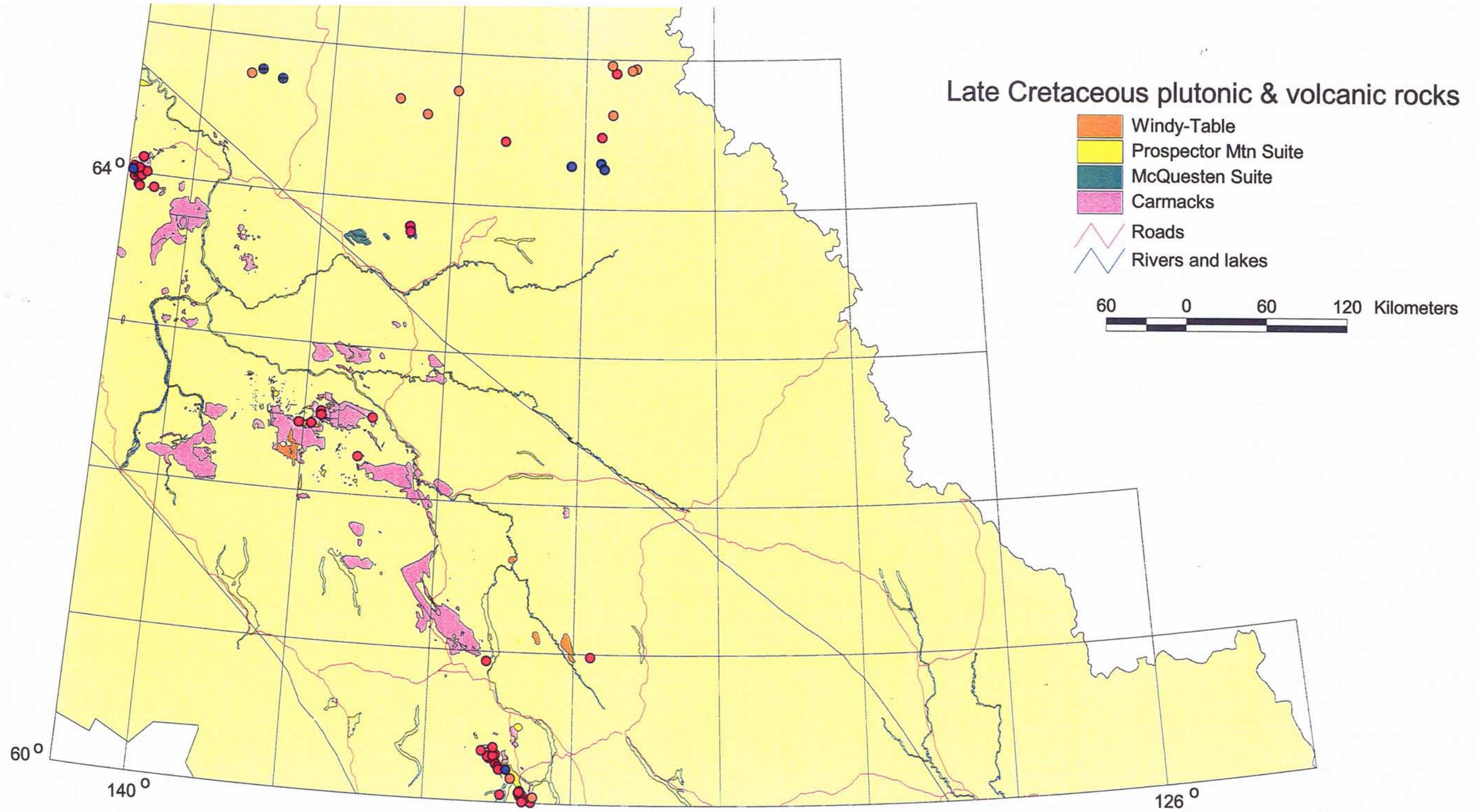
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# Late Cretaceous: vein, fault zone & breccia occurrences

(Note: includes all occurrences thought to be related to Late Cretaceous magmatic rocks, but may include some which are Early Tertiary)



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

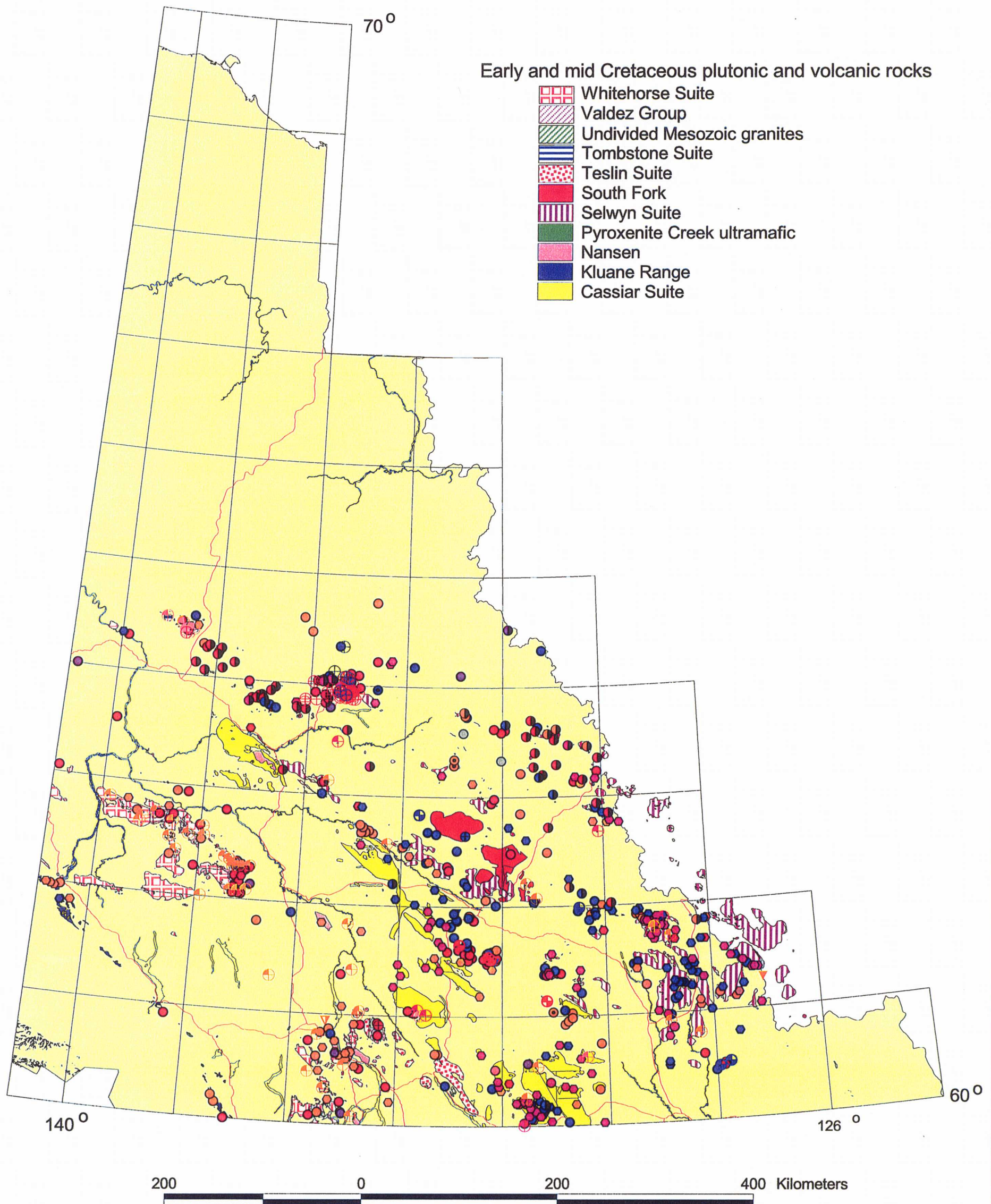
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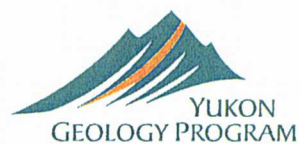
Yukon

# Early and mid Cretaceous

(Note: includes all occurrences related to Cretaceous magmatic rocks with the exception of occurrences that are known to be Jurassic-Cretaceous or Late Cretaceous-Early Tertiary)



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
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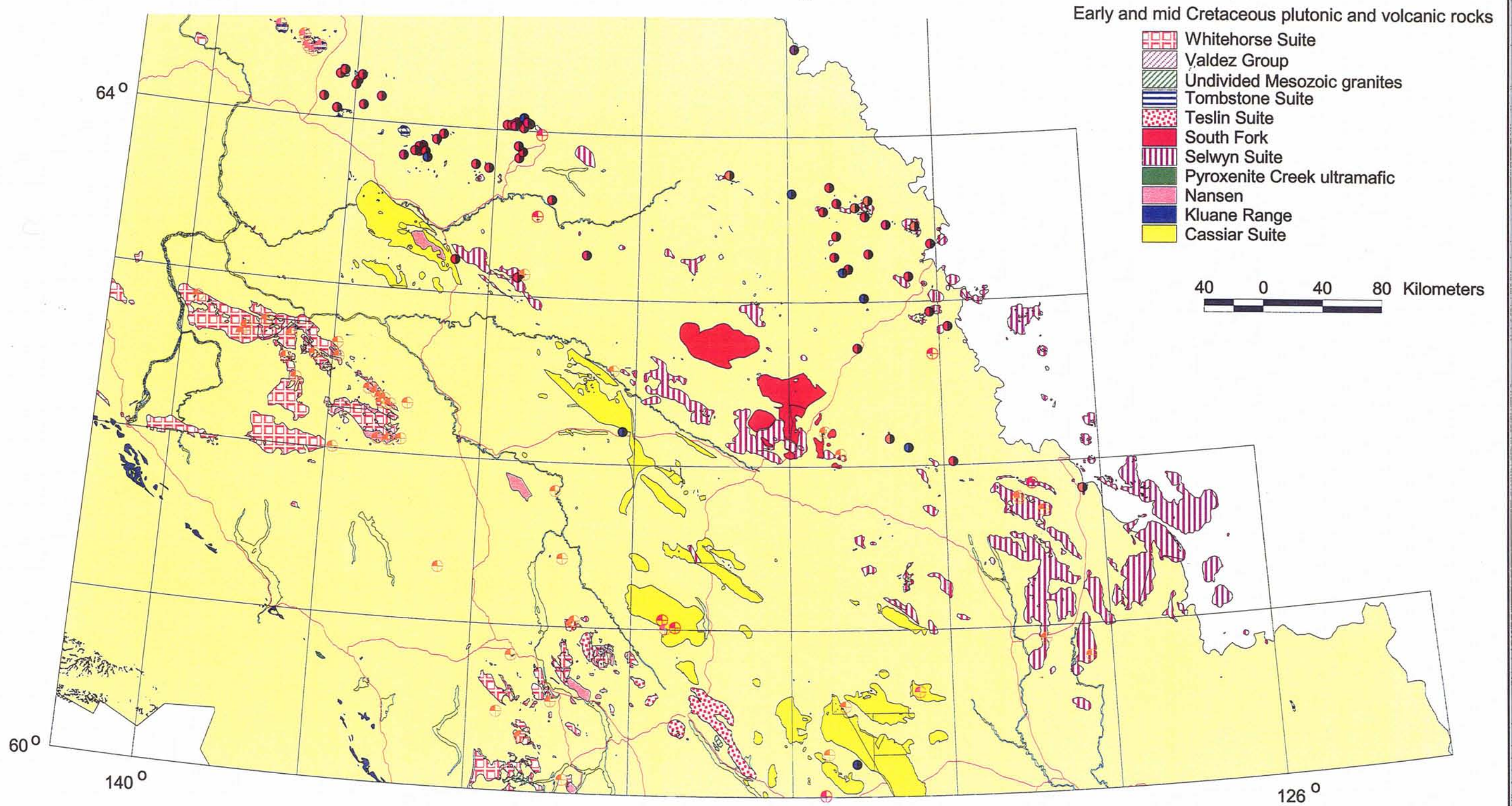


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# Early and mid Cretaceous: intrusive related gold system (IRGS) & porphyry occurrences

(Note: includes all occurrences related to Cretaceous magmatic rocks with the exception of occurrences that are known to be Jurassic-Cretaceous or Late Cretaceous-Early Tertiary)



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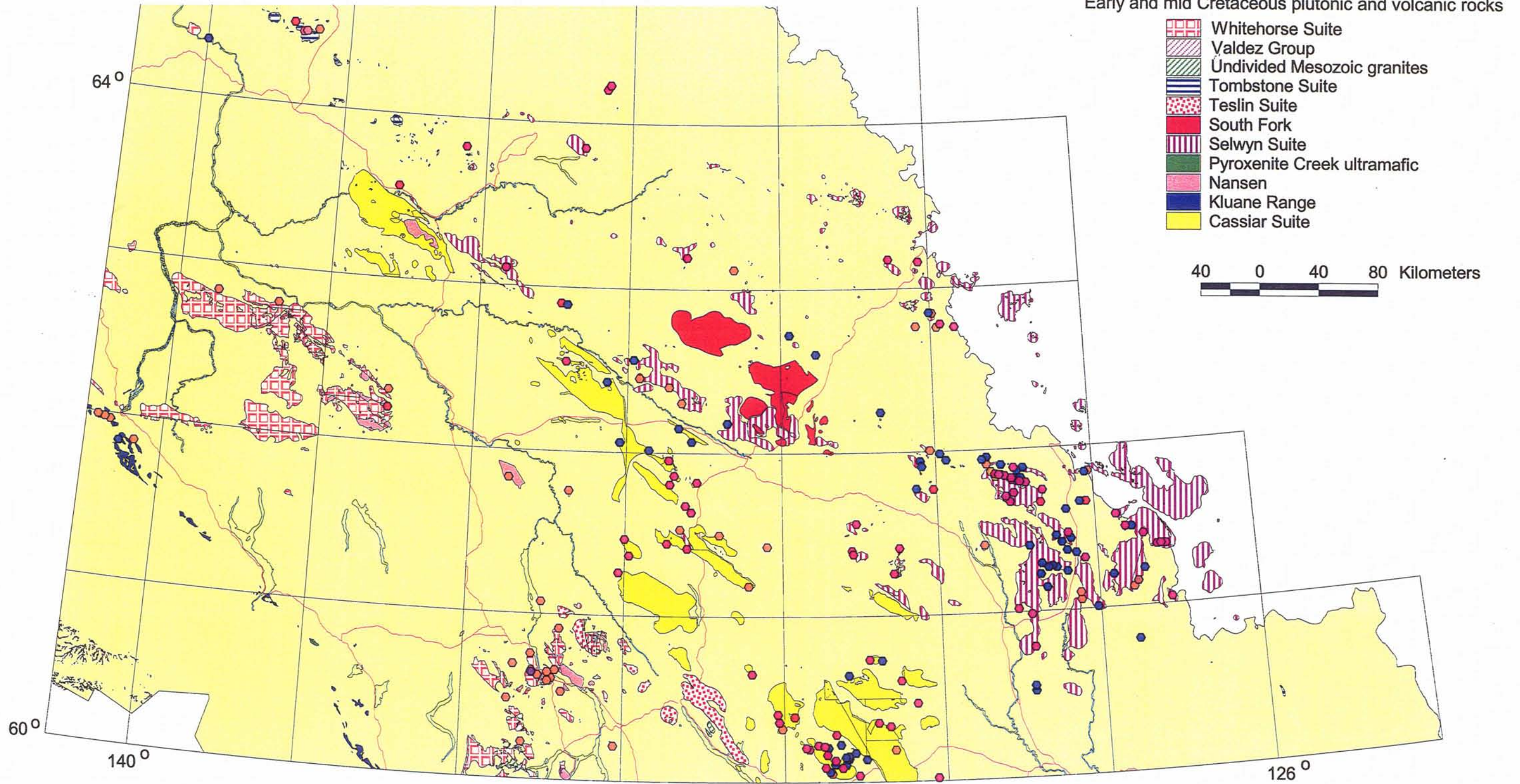
Canada



Yukon

# Early and mid Cretaceous: skarn occurrences

(Note: includes all occurrences related to Cretaceous magmatic rocks with the exception of occurrences that are known to be Jurassic-Cretaceous or Late Cretaceous-Early Tertiary)



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's. Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

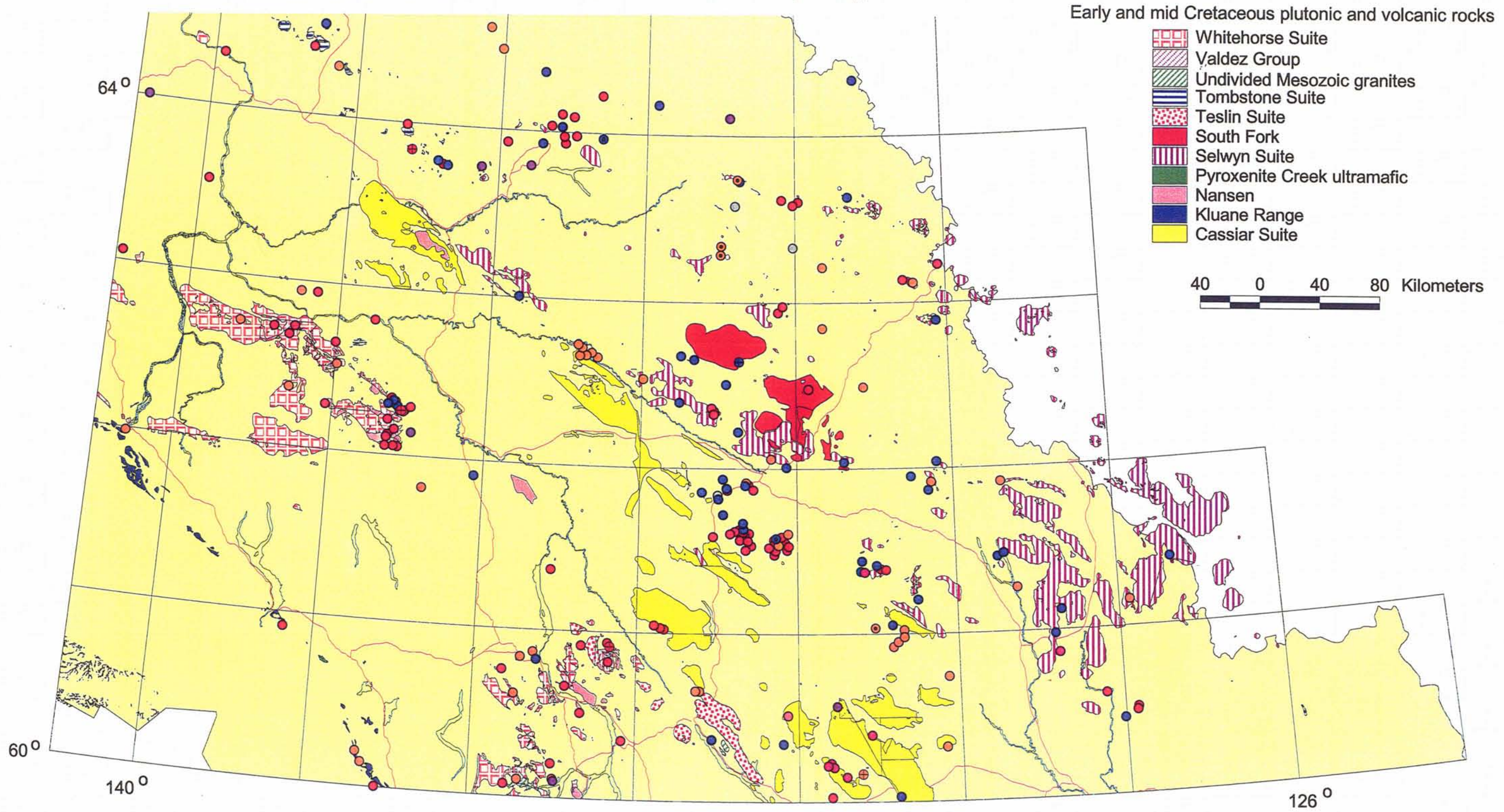
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# Early and mid Cretaceous: vein, breccia and fault zone occurrences

(Note: includes all occurrences related to Cretaceous magmatic rocks with the exception of occurrences that are known to be Jurassic-Cretaceous or Late Cretaceous-Early Tertiary)

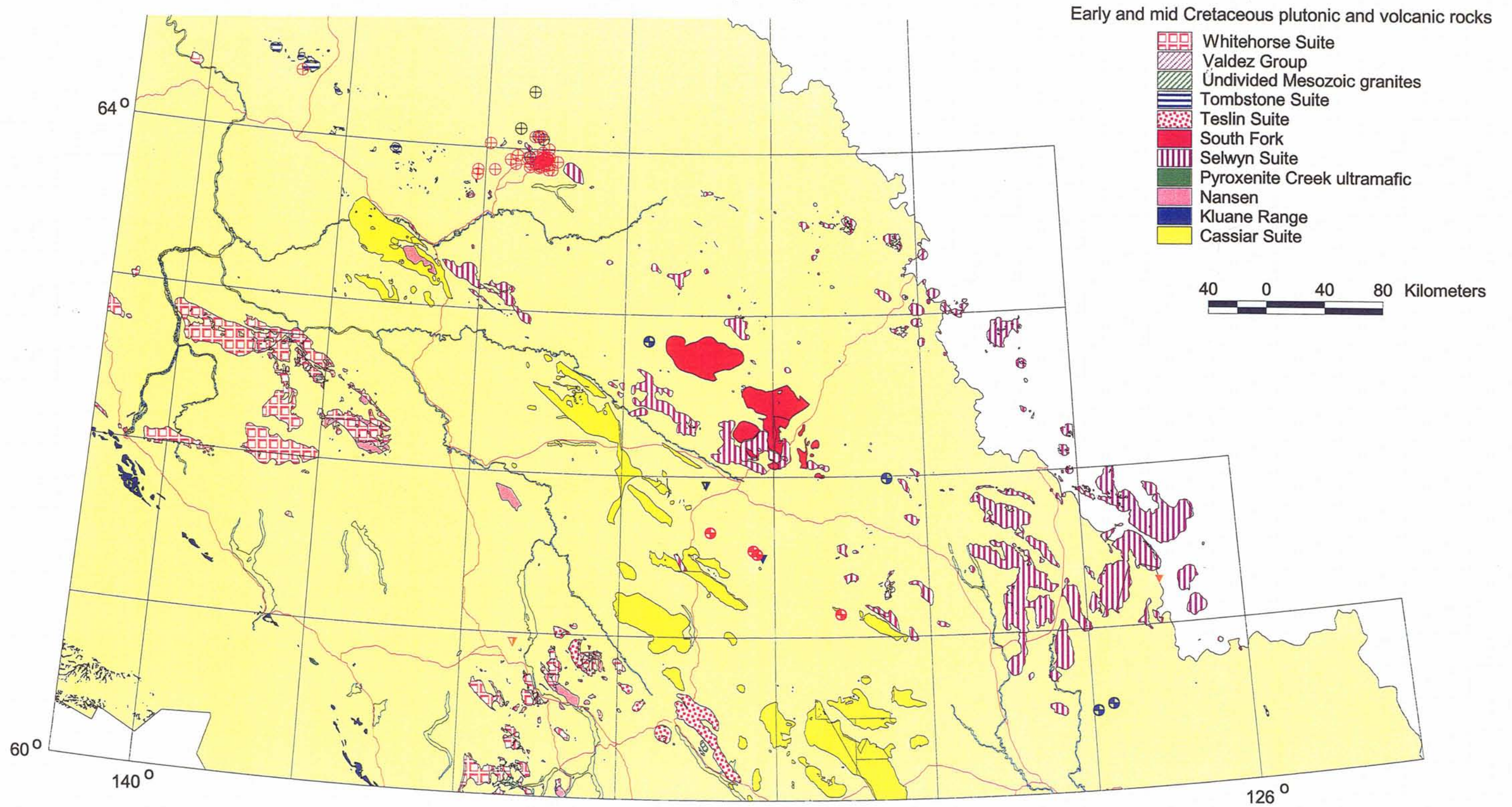


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# Early and mid Cretaceous: vein(KHQ), MVT, carbonate hosted & replacement occurrences

(Note: includes all occurrences related to Cretaceous magmatic rocks with the exception of occurrences that are known to be Jurassic-Cretaceous or Late Cretaceous-Early Tertiary)



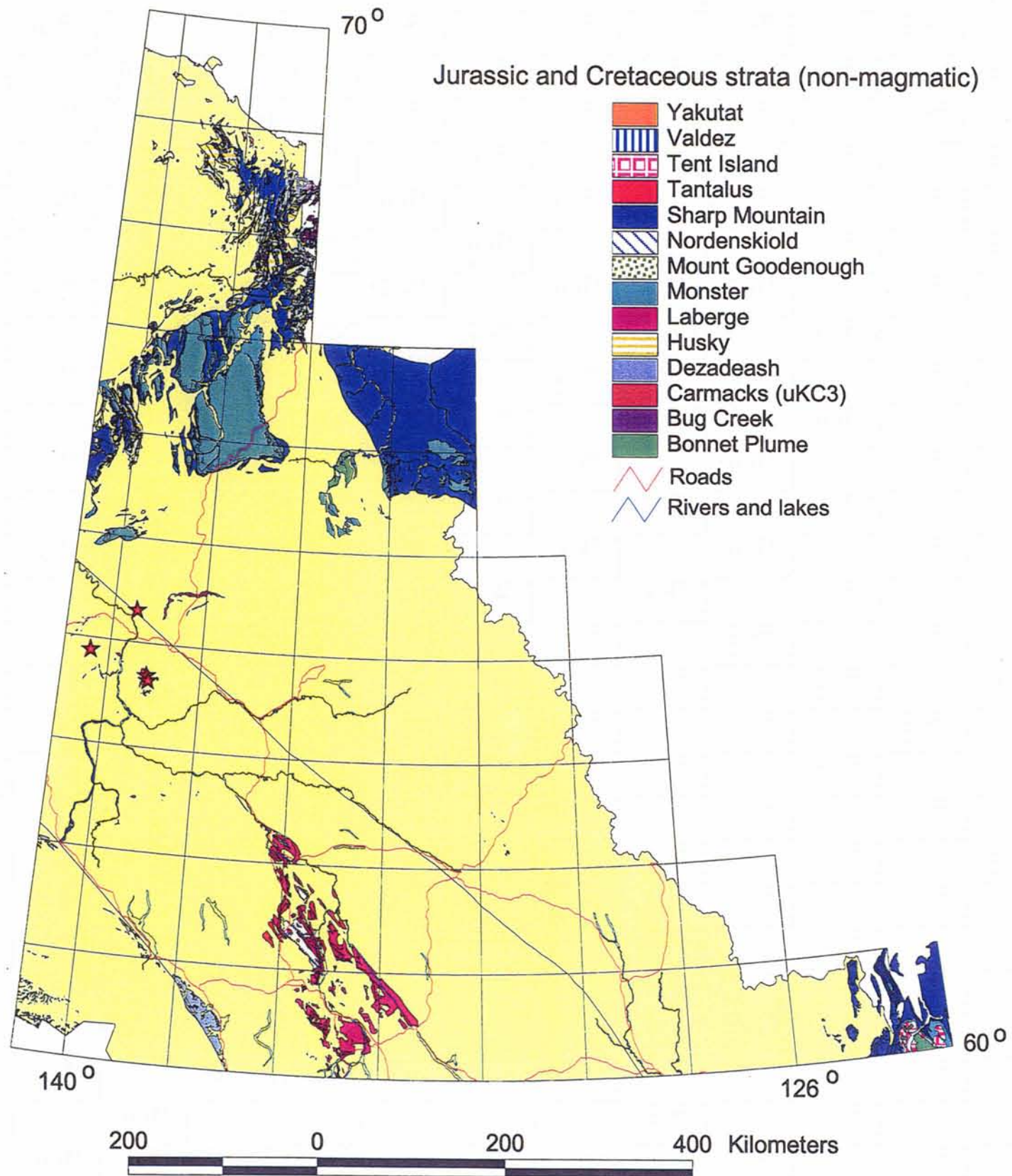
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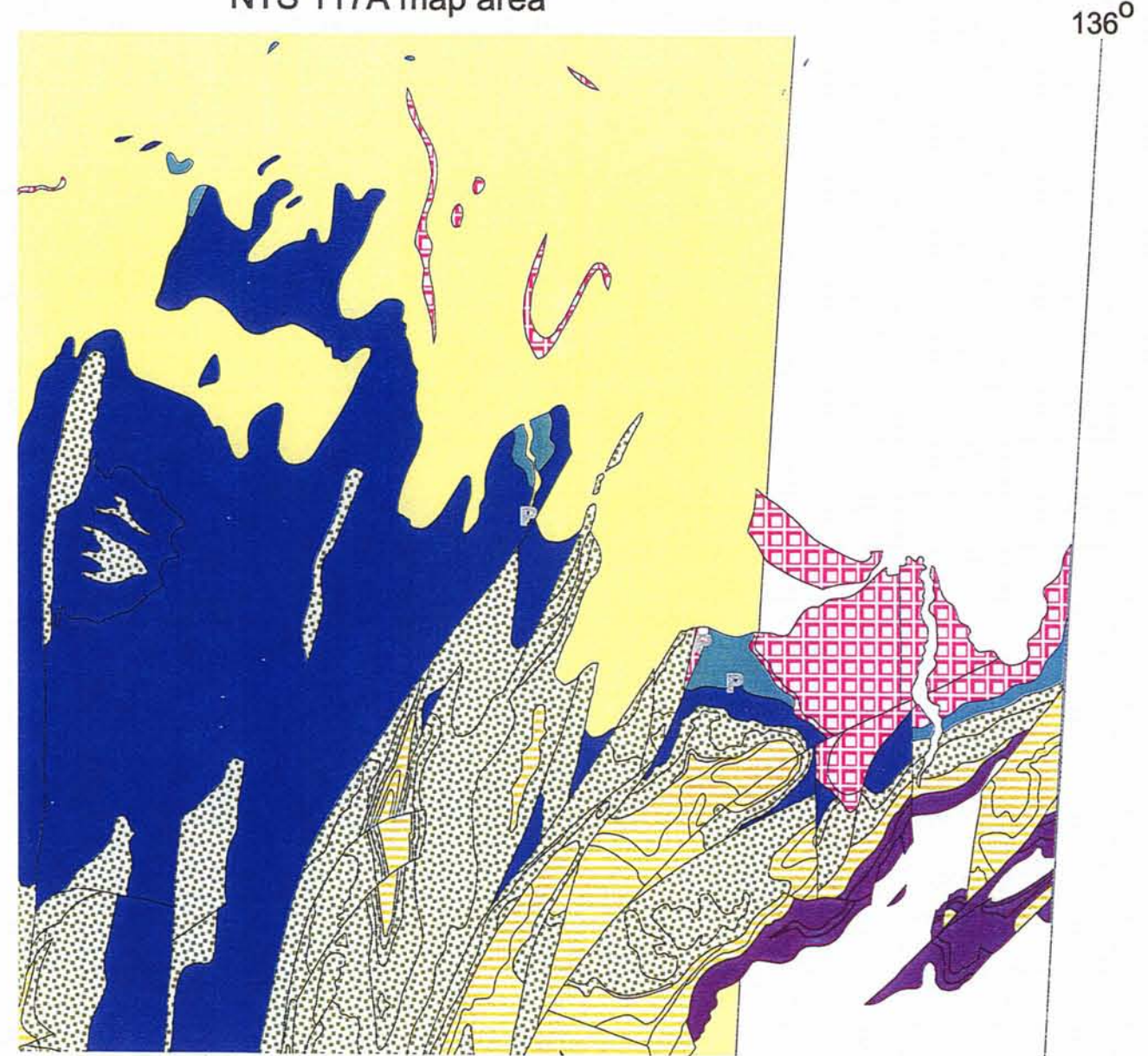


Yukon

# Jurassic and Cretaceous: sedimentary occurrences



NTS 117A map area



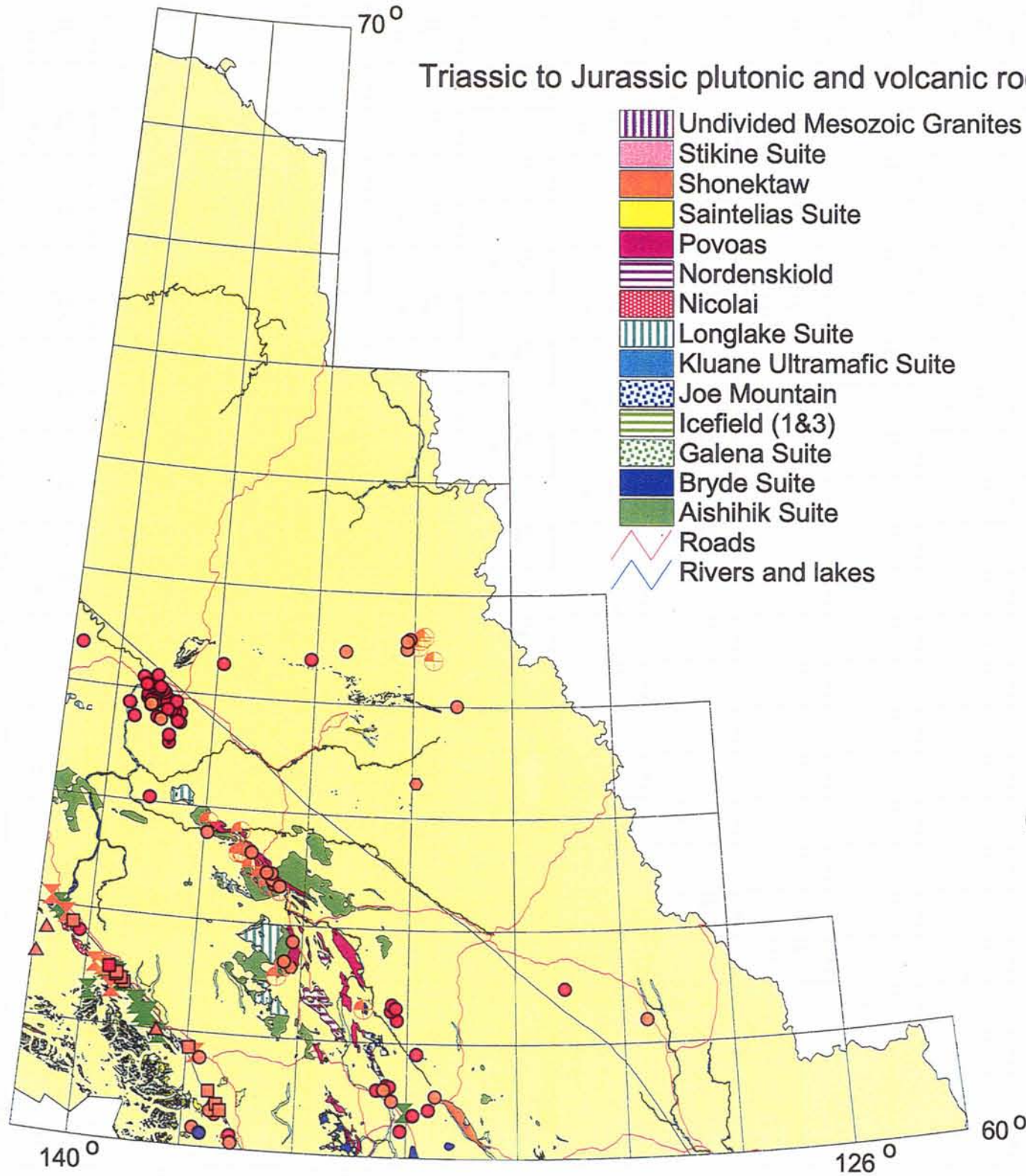
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 Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

# Triassic to Jurassic

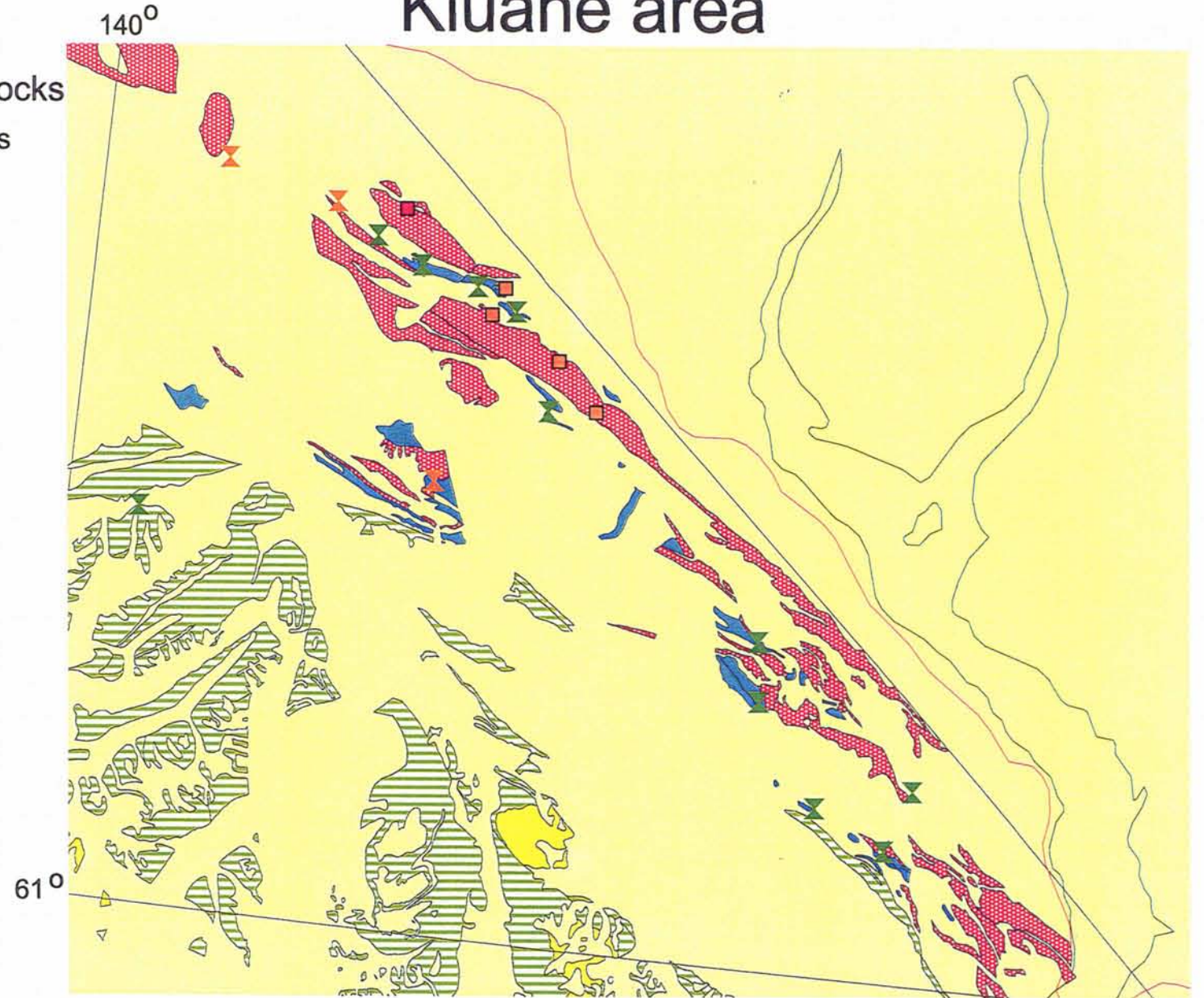
(Note: includes Jurassic-Cretaceous vein occurrences)

Triassic to Jurassic plutonic and volcanic rocks

-  Undivided Mesozoic Granites
-  Stikine Suite
-  Shonoktaw
-  Saint Elias Suite
-  Povoas
-  Nordenskiöld
-  Nicolai
-  Longlake Suite
-  Kluane Ultramafic Suite
-  Joe Mountain
-  Icefield (1&3)
-  Galena Suite
-  Bryde Suite
-  Aishihik Suite
-  Roads
-  Rivers and lakes



## Kluane area



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
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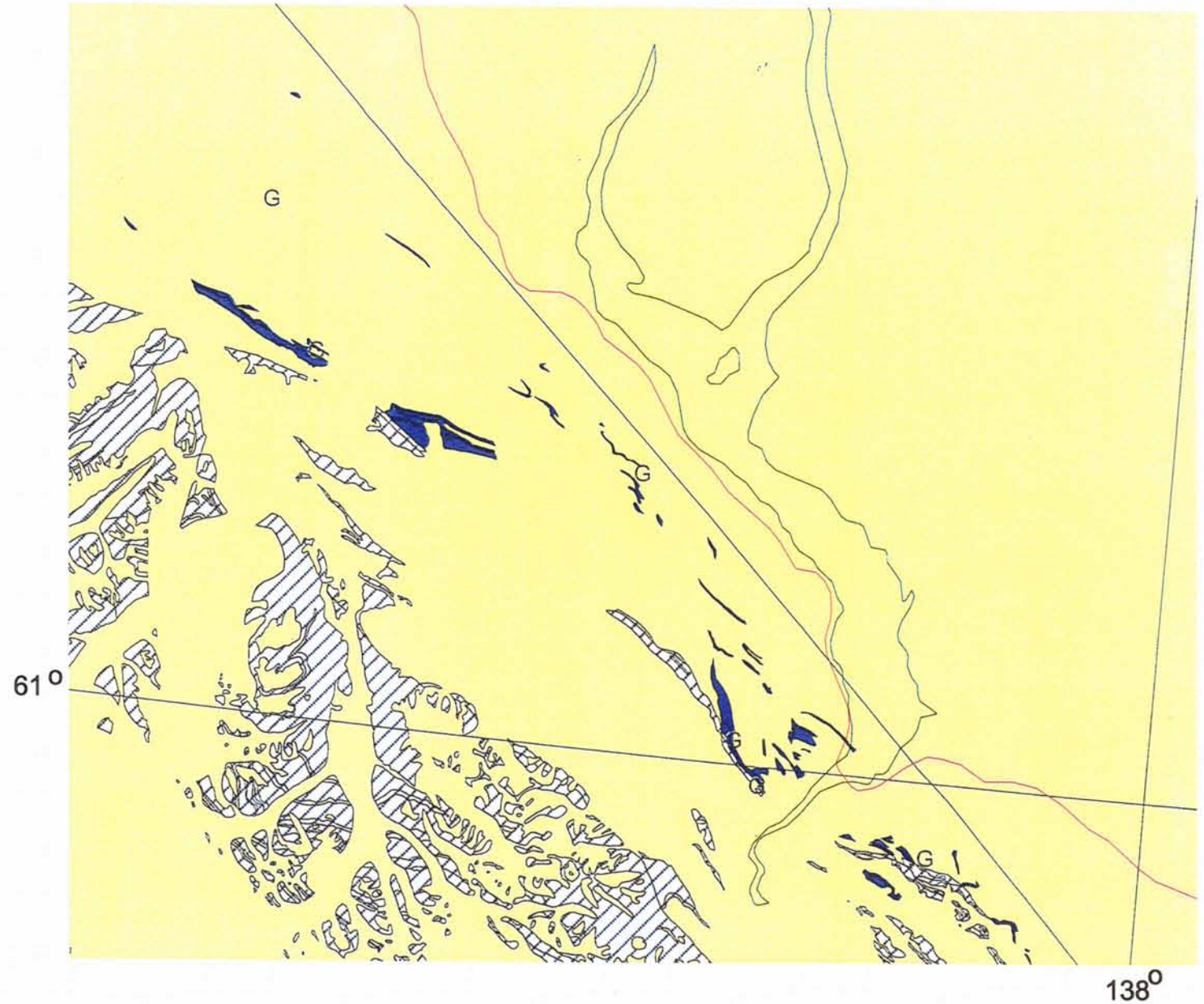
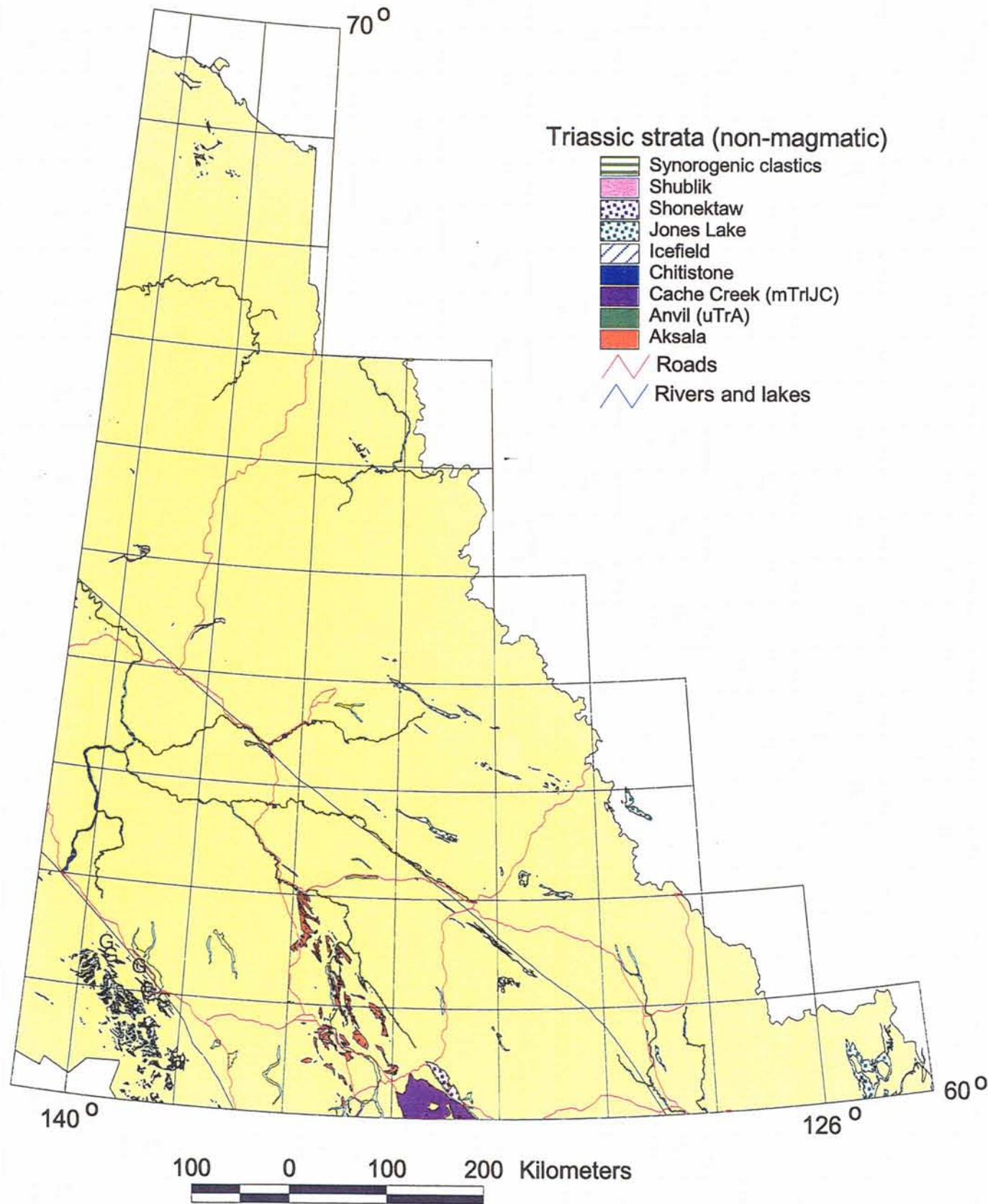


Yukon



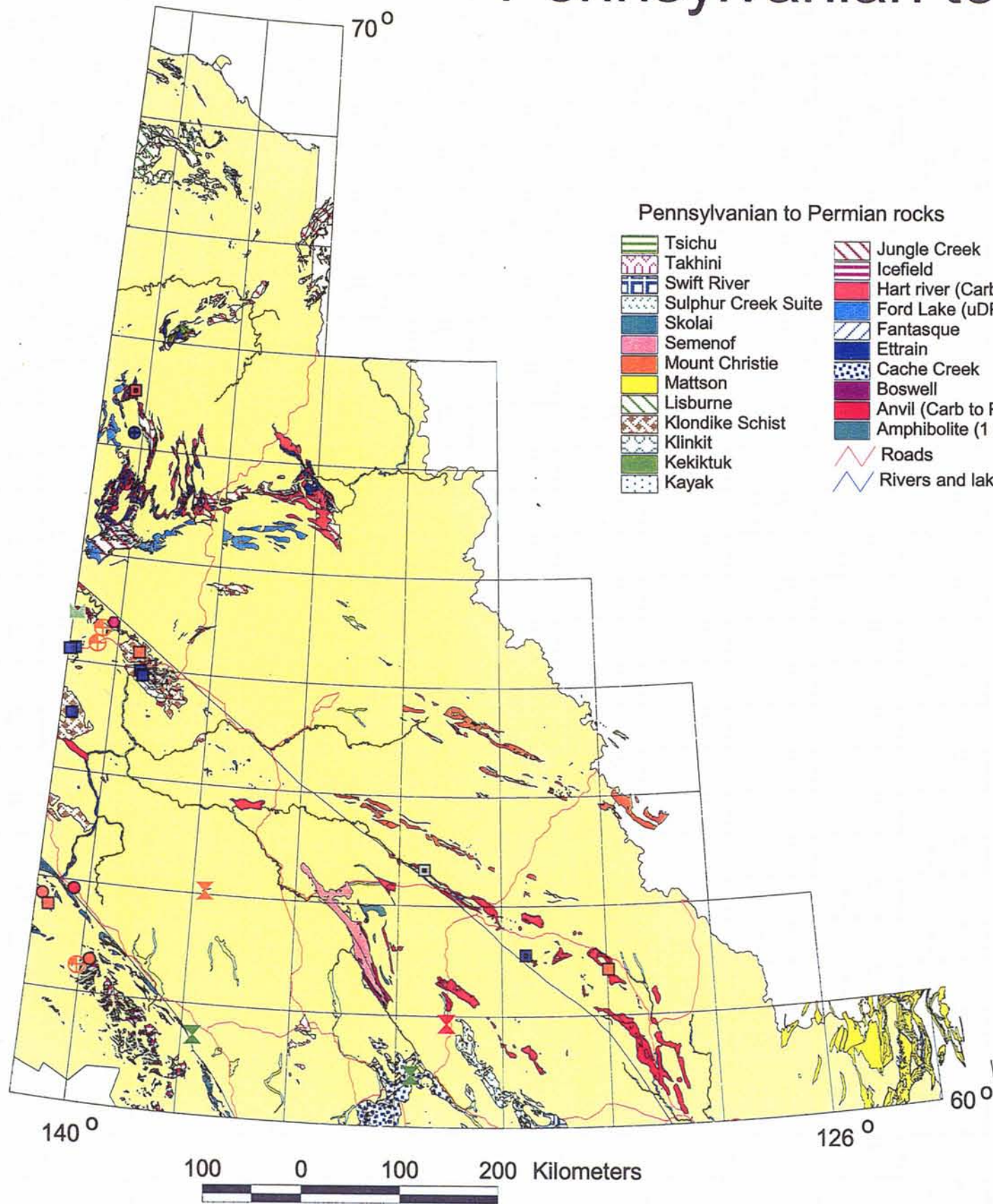
# Triassic: sedimentary occurrences

## Kluane area



Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
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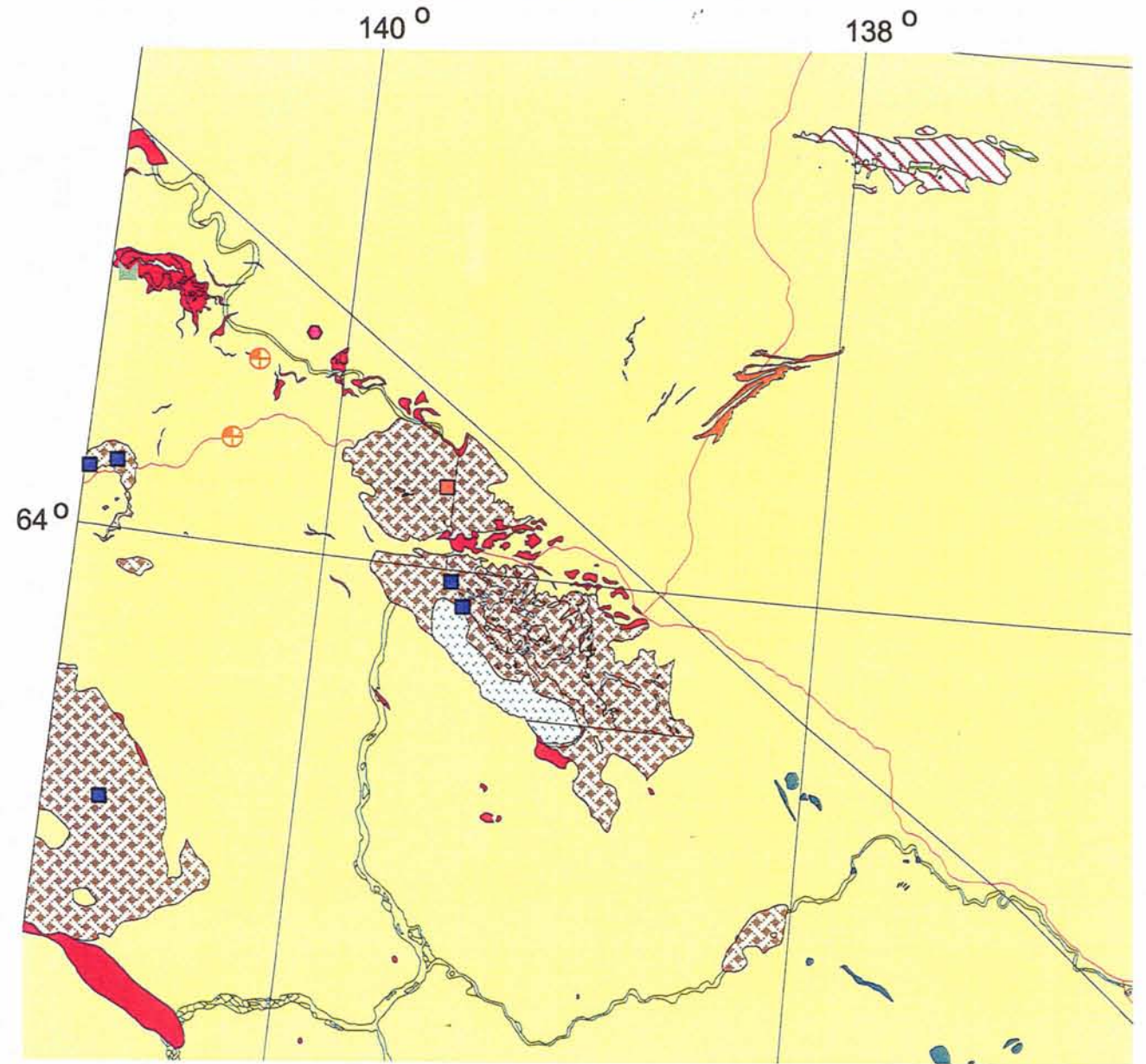
# Pennsylvanian to Permian



## Pennsylvanian to Permian rocks

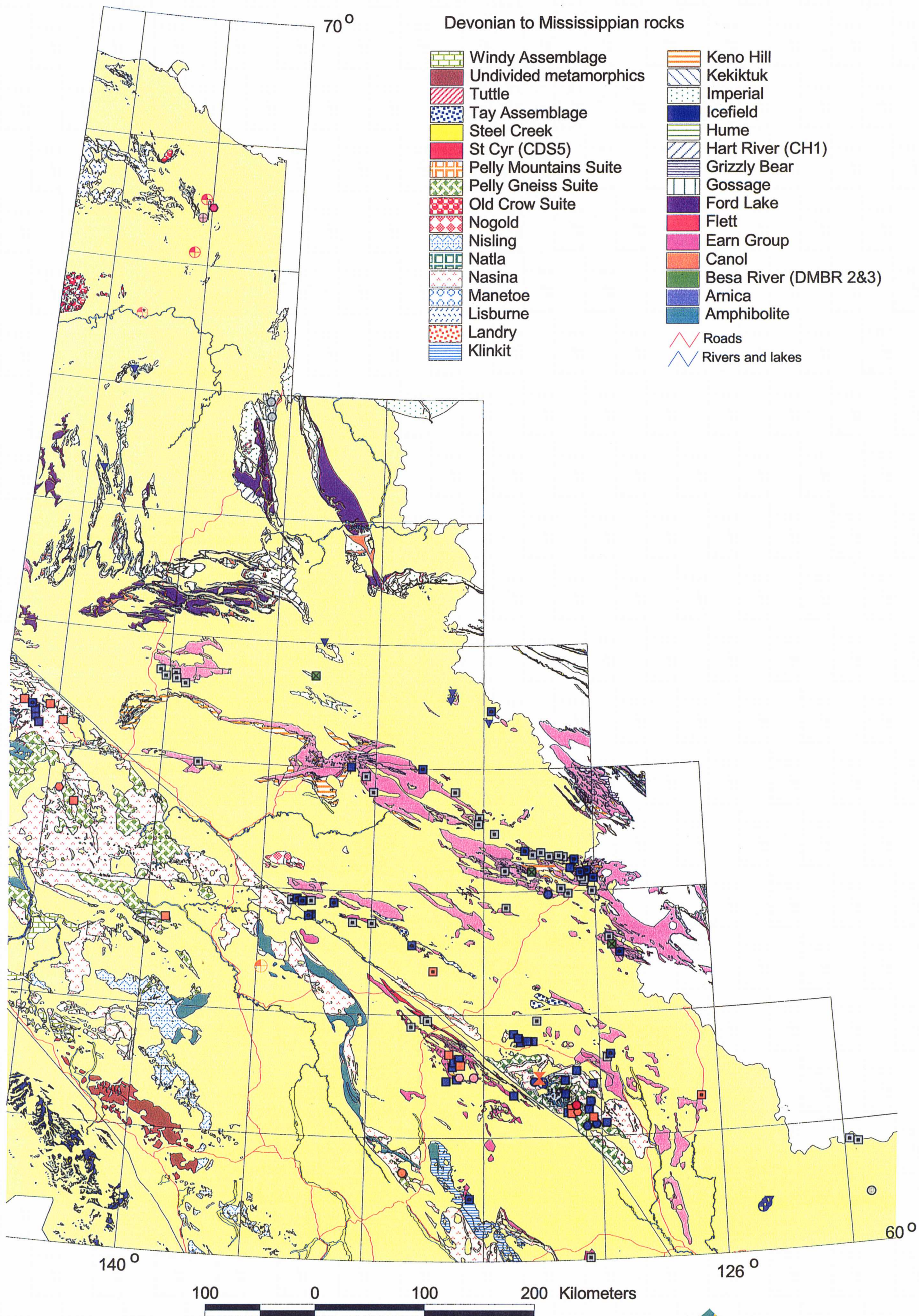
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|--|---------------------|--|----------------------------|
|  | Tsichu              |  | Jungle Creek               |
|  | Takhini             |  | Icefield                   |
|  | Swift River         |  | Hart river (Carboniferous) |
|  | Sulphur Creek Suite |  | Ford Lake (uDPF3)          |
|  | Skolai              |  | Fantasque                  |
|  | Semenof             |  | Ettrain                    |
|  | Mount Christie      |  | Cache Creek                |
|  | Mattson             |  | Boswell                    |
|  | Lisburne            |  | Anvil (Carb to Perm)       |
|  | Klondike Schist     |  | Amphibolite (1 & 2)        |
|  | Klinkit             |  | Roads                      |
|  | Kekiktuk            |  | Rivers and lakes           |
|  | Kayak               |  |                            |

## Stewart River area

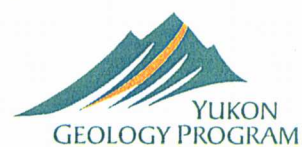


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# Devonian to Mississippian



Note:  
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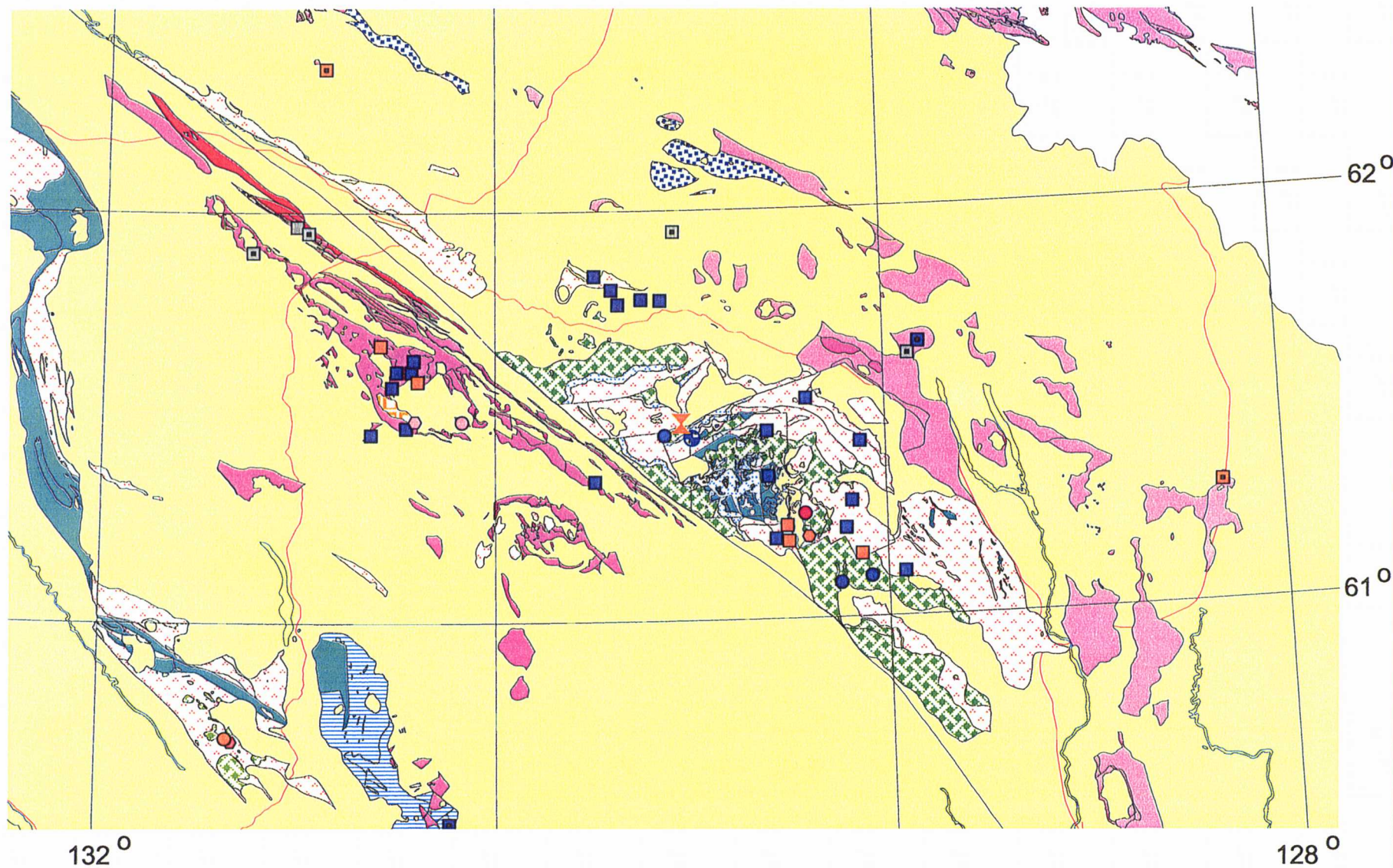


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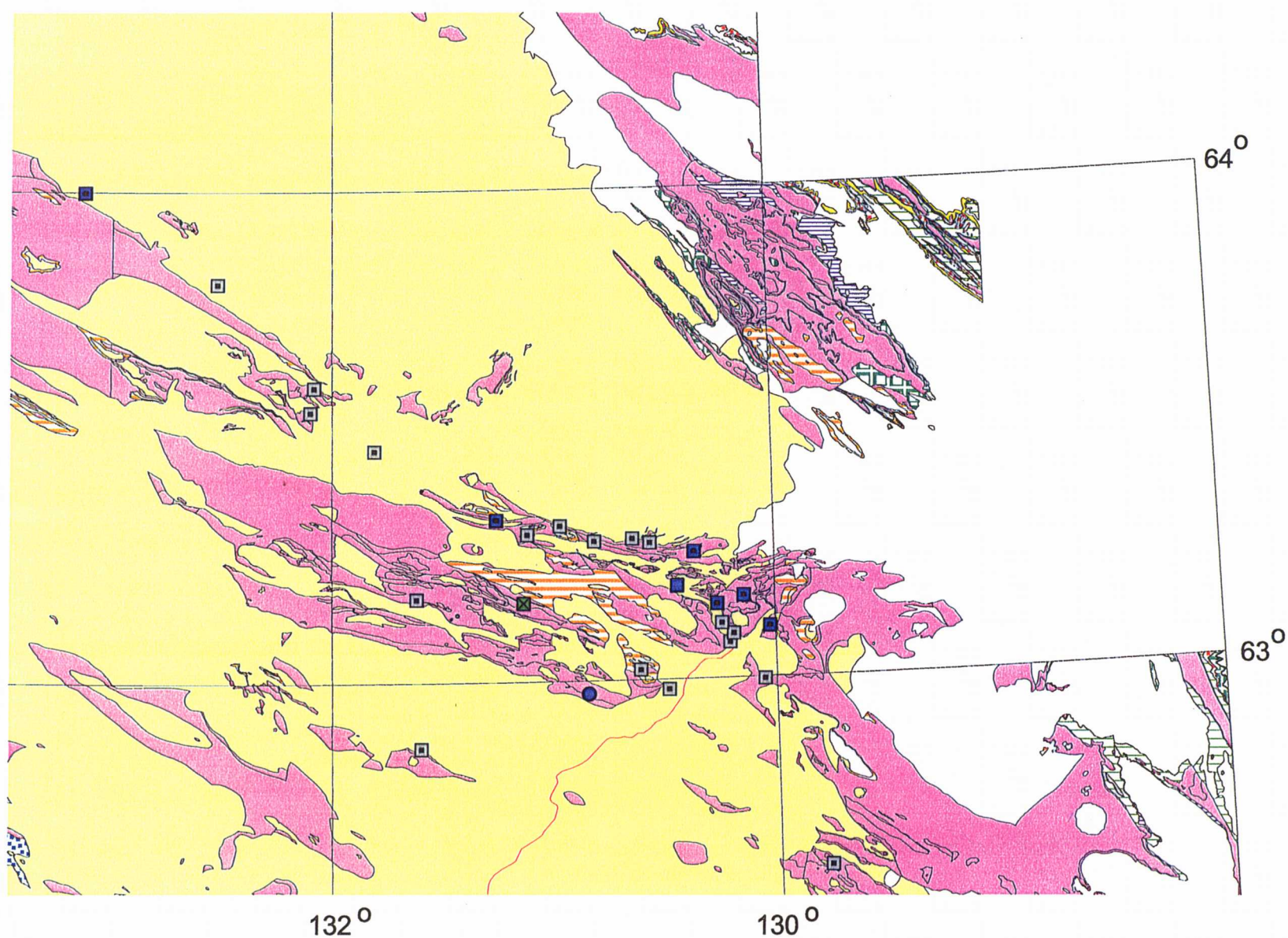
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# Devonian to Mississippian

## Finlayson Lake area



## MacMillan Pass area



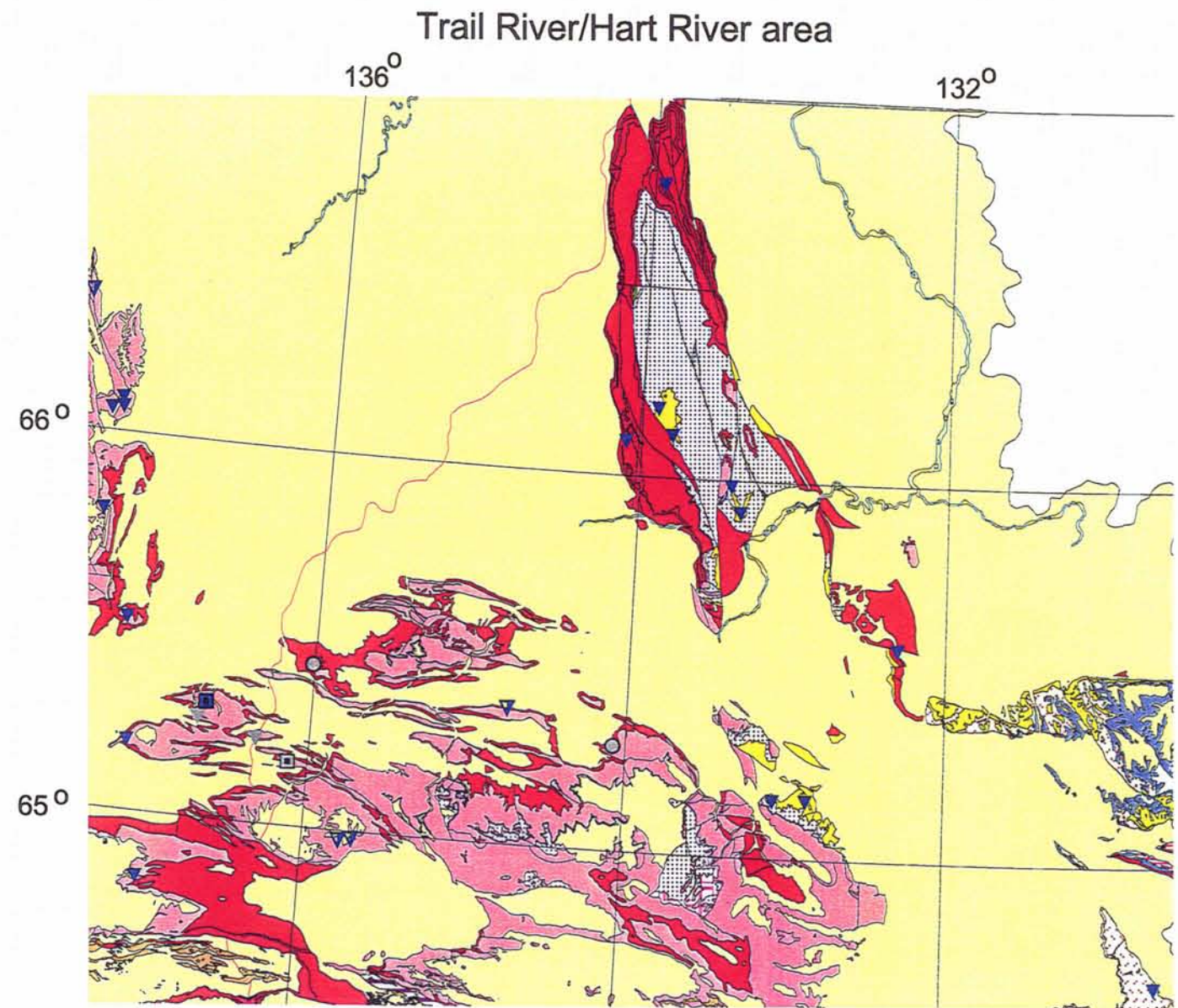
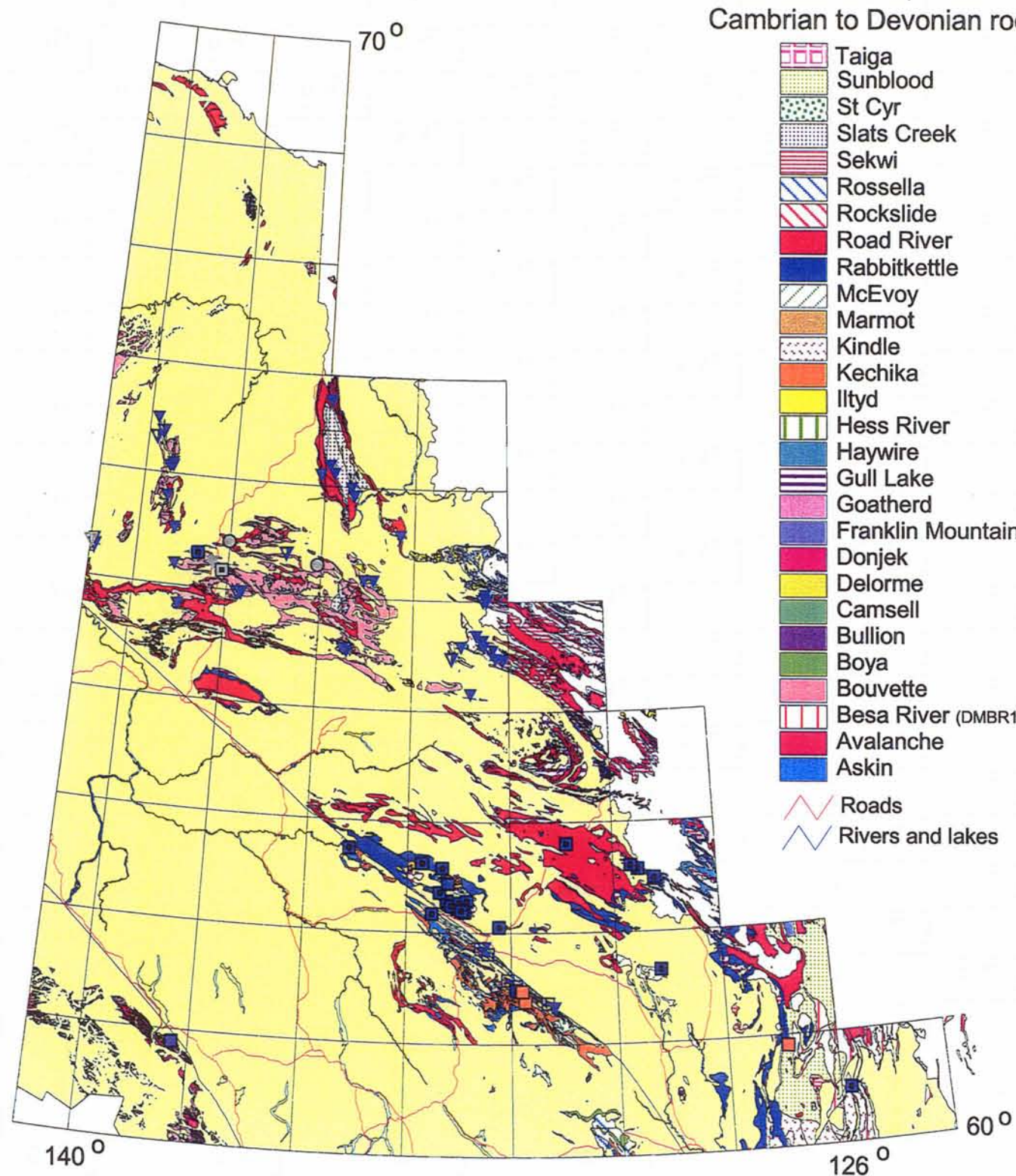
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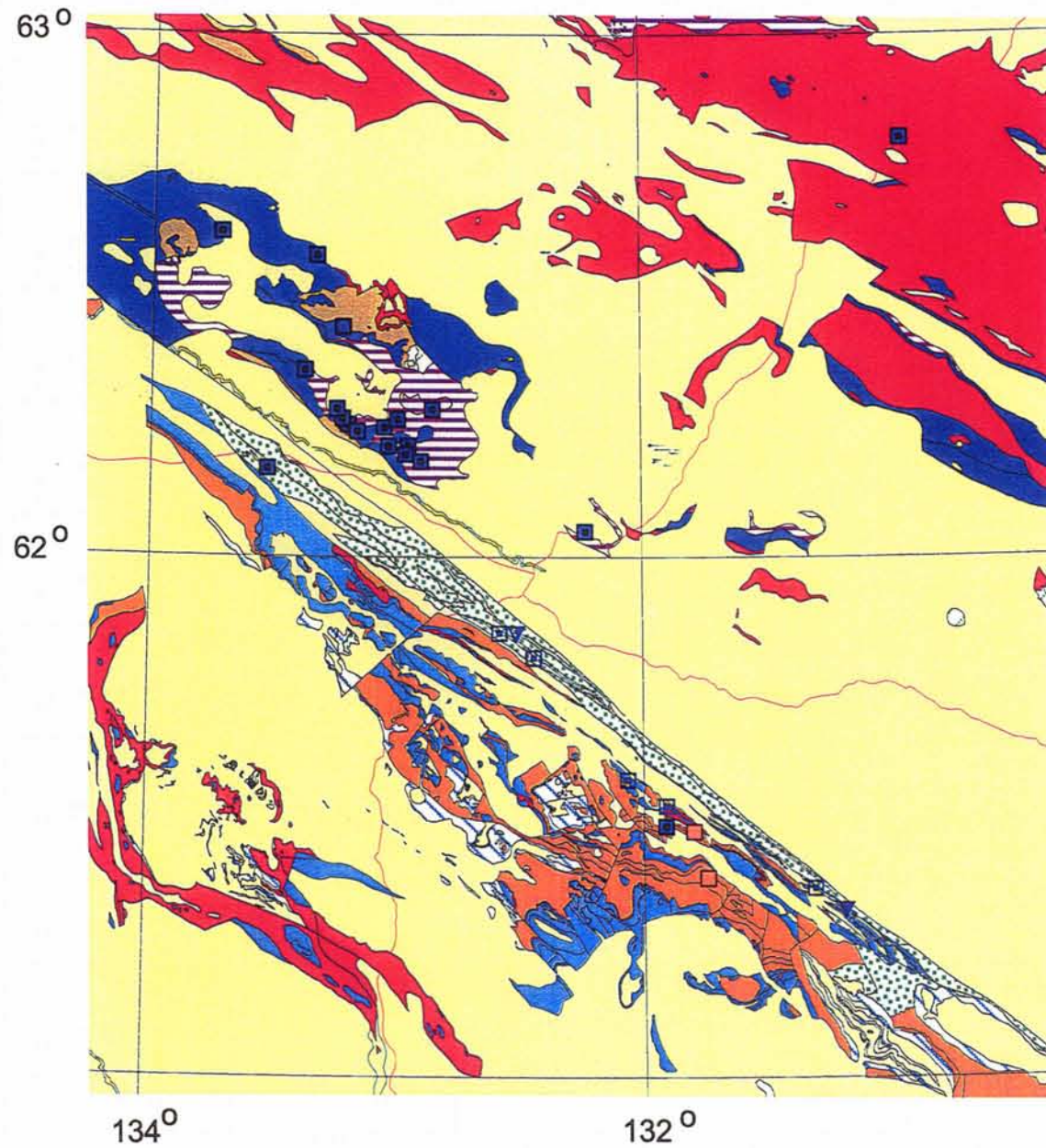
# Early Cambrian to Early Devonian



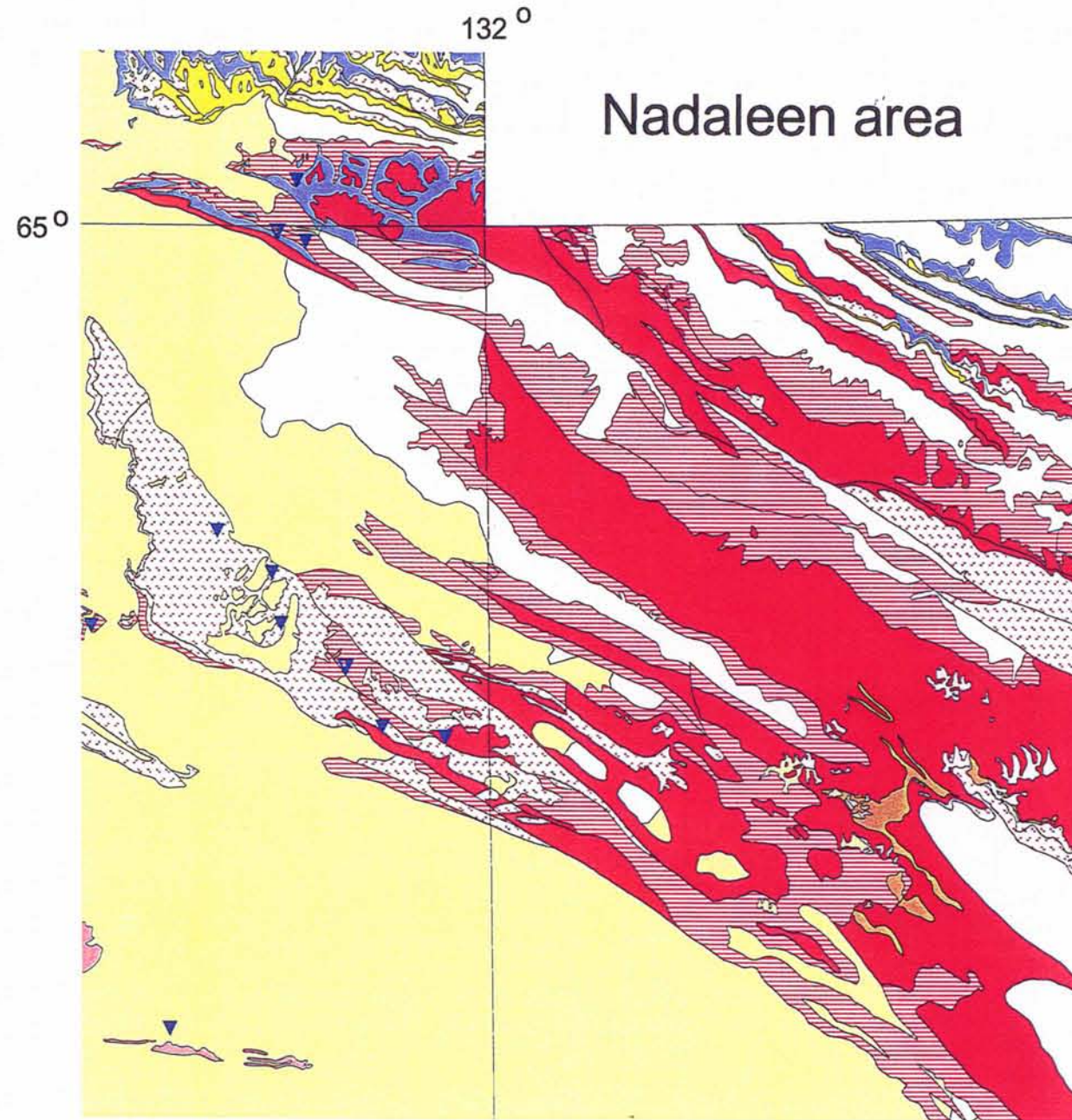
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 Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

# Early Cambrian to Early Devonian

## Faro/Ross River area



## Nadaleen area



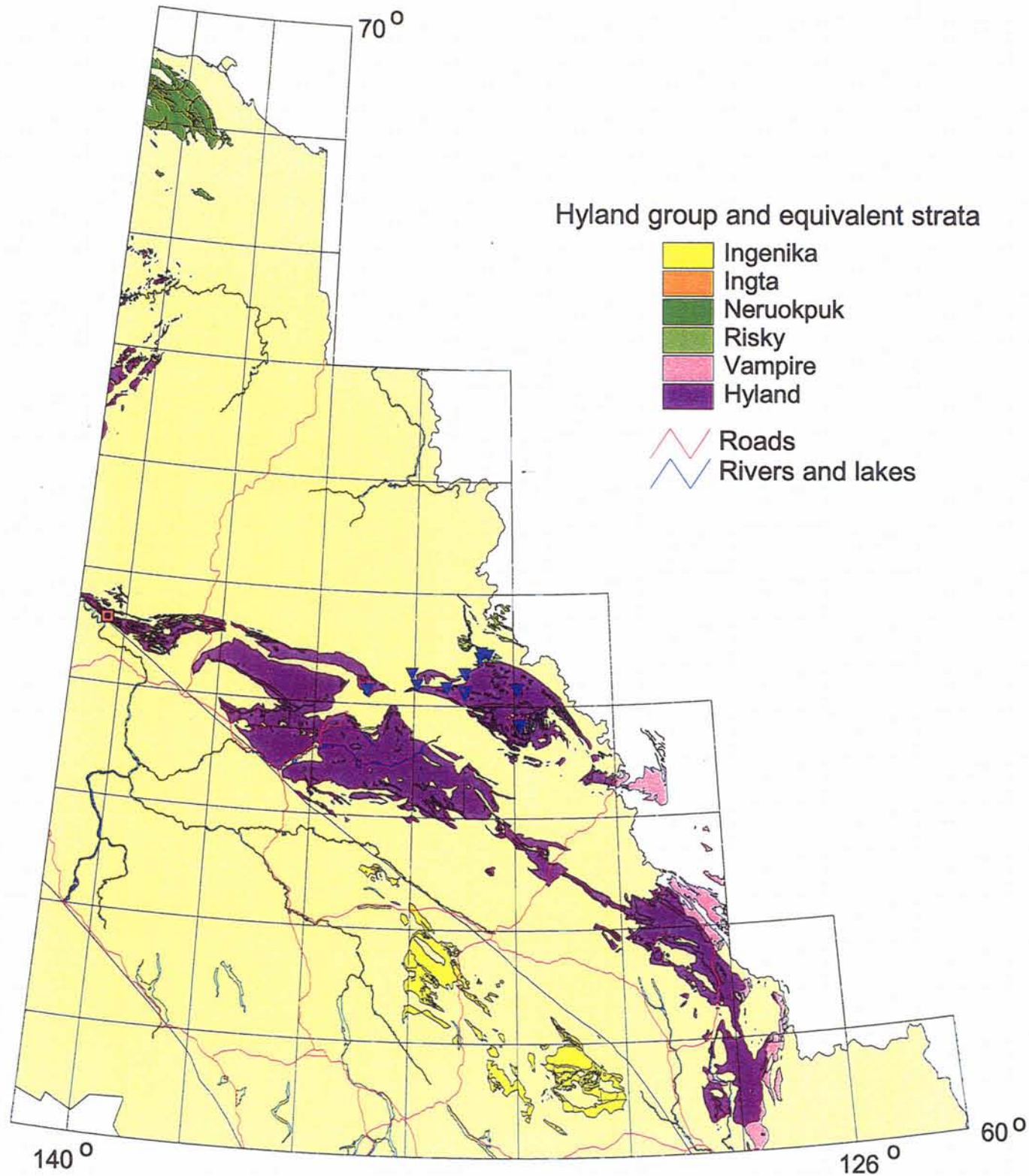
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Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

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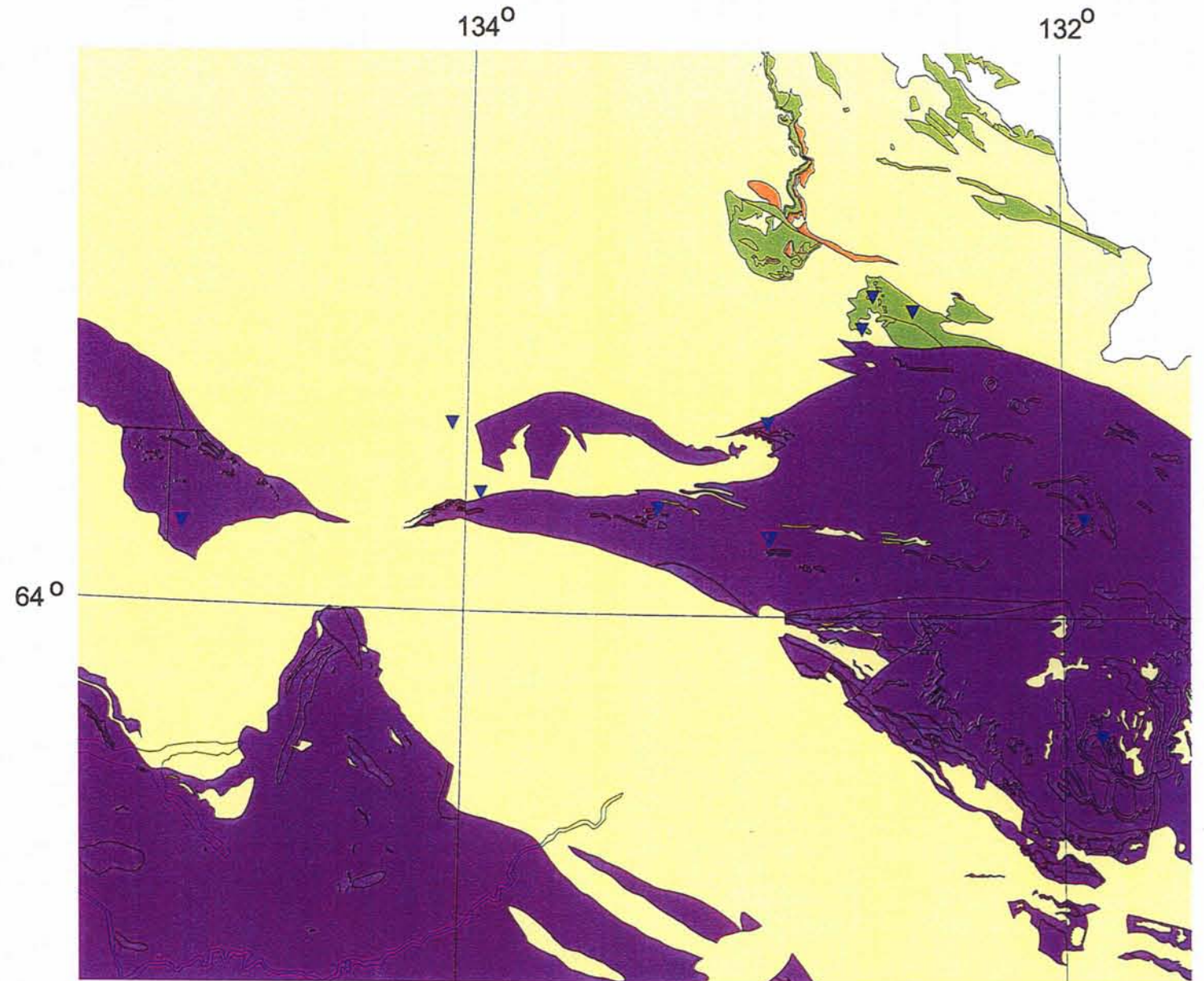
# Late Proterozoic & earliest Cambrian



## Hyland group and equivalent strata

- Ingenika
- Ingta
- Neruokpuk
- Risky
- Vampire
- Hyland

- Roads
- Rivers and lakes



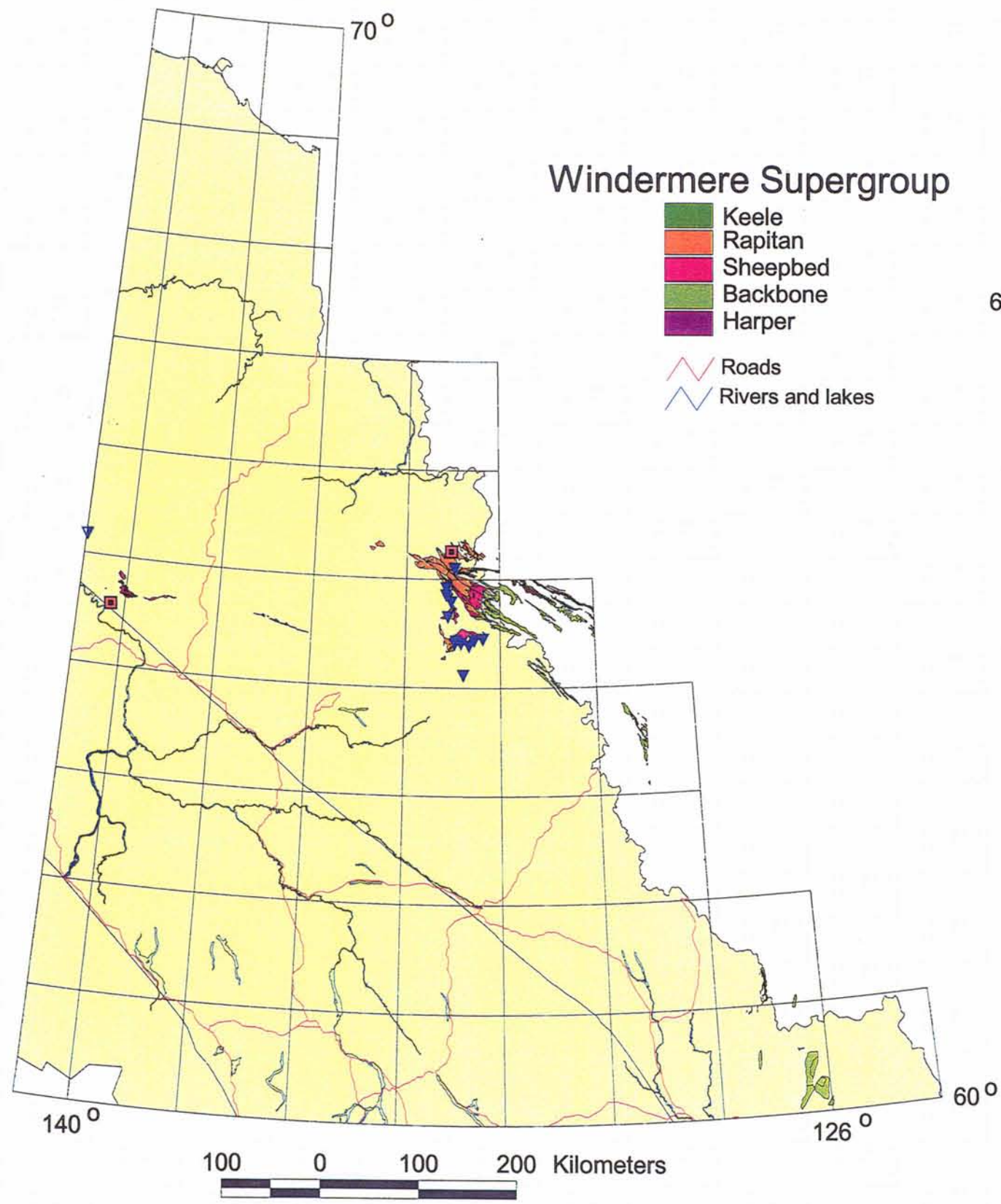
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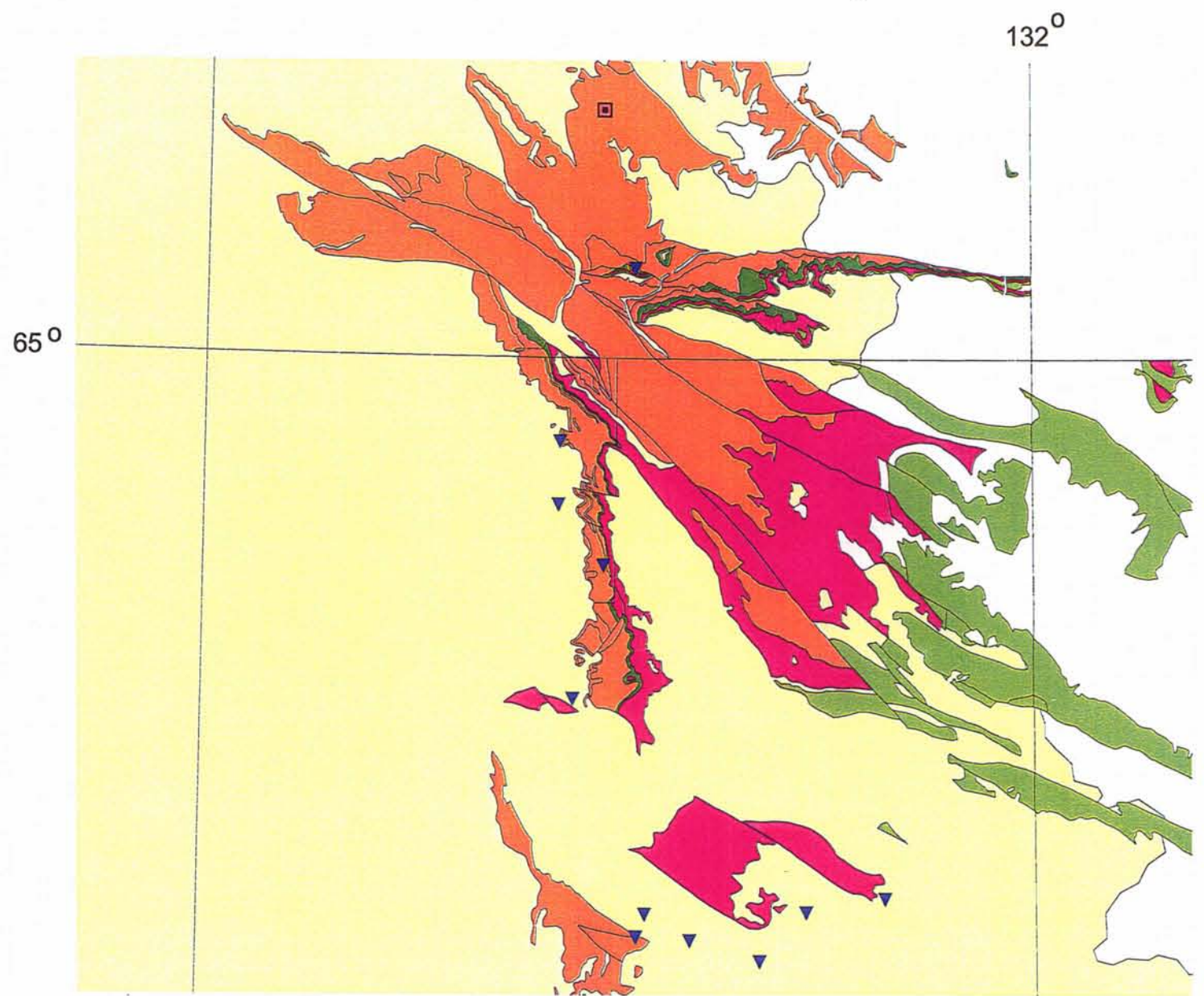
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# Late Proterozoic

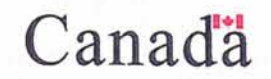


## Windermere Supergroup

- Keele
- Rapitan
- Sheepbed
- Backbone
- Harper
- Roads
- Rivers and lakes

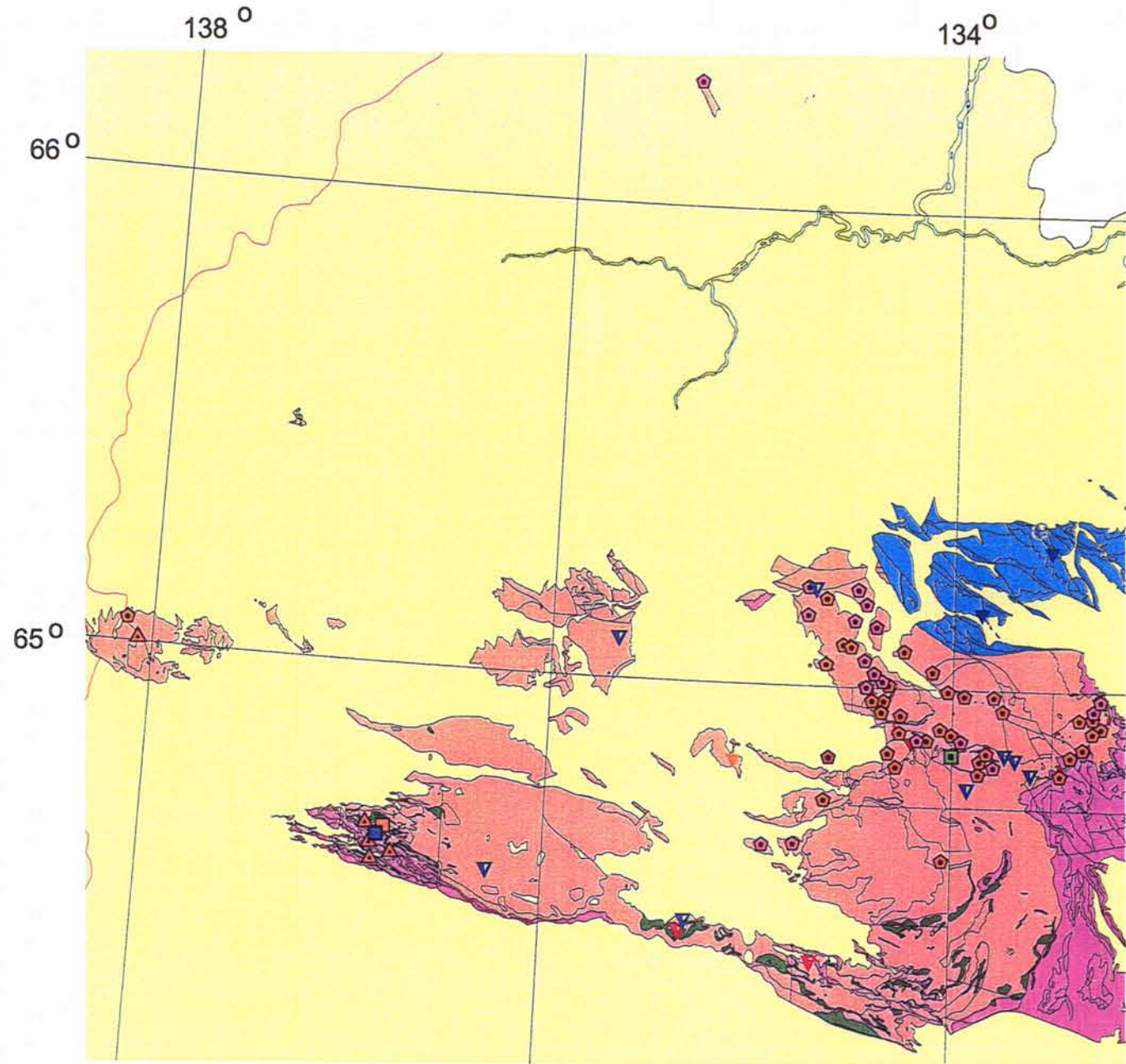
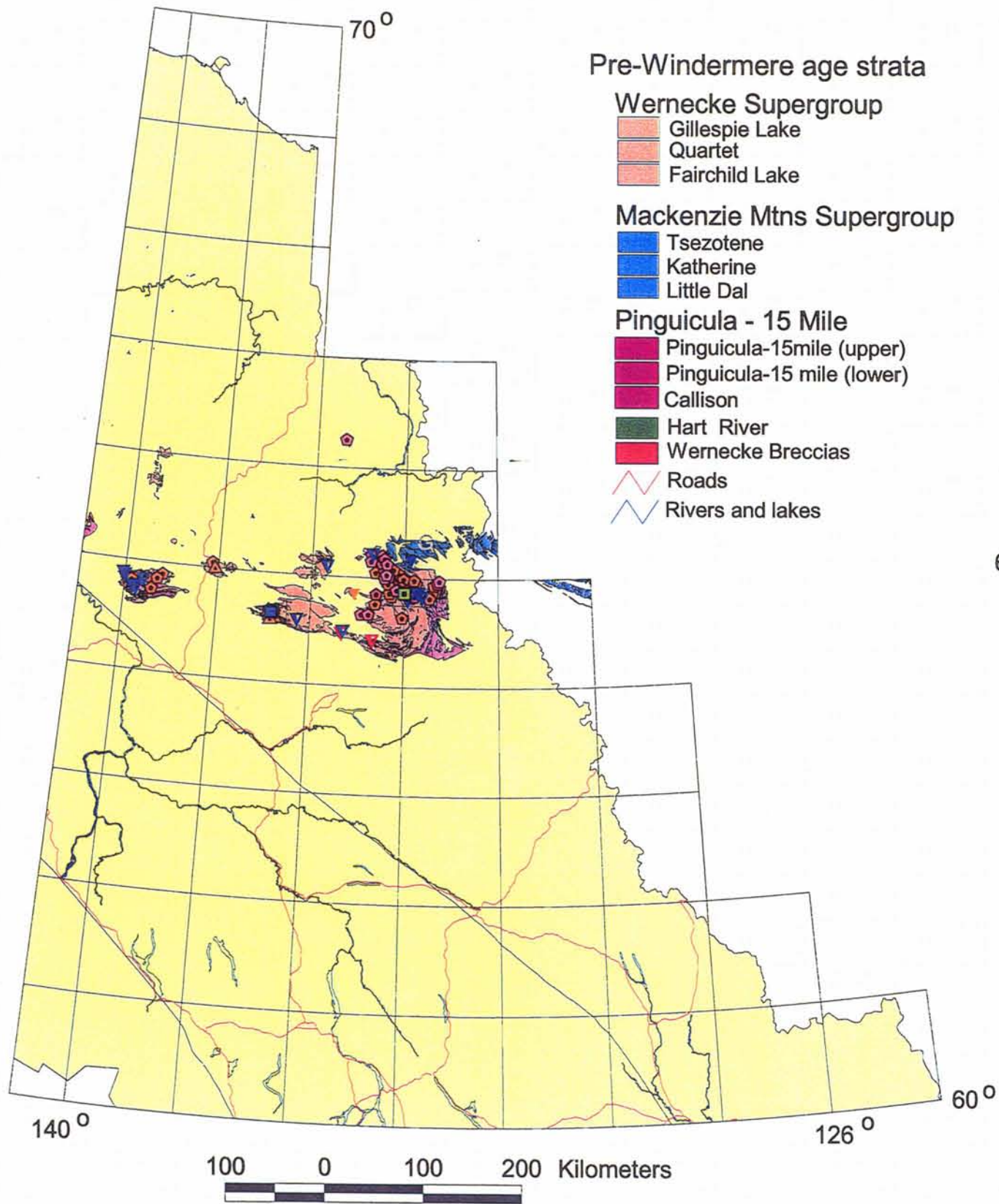


Note:  
 Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
 Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.





# Early and Mid Proterozoic



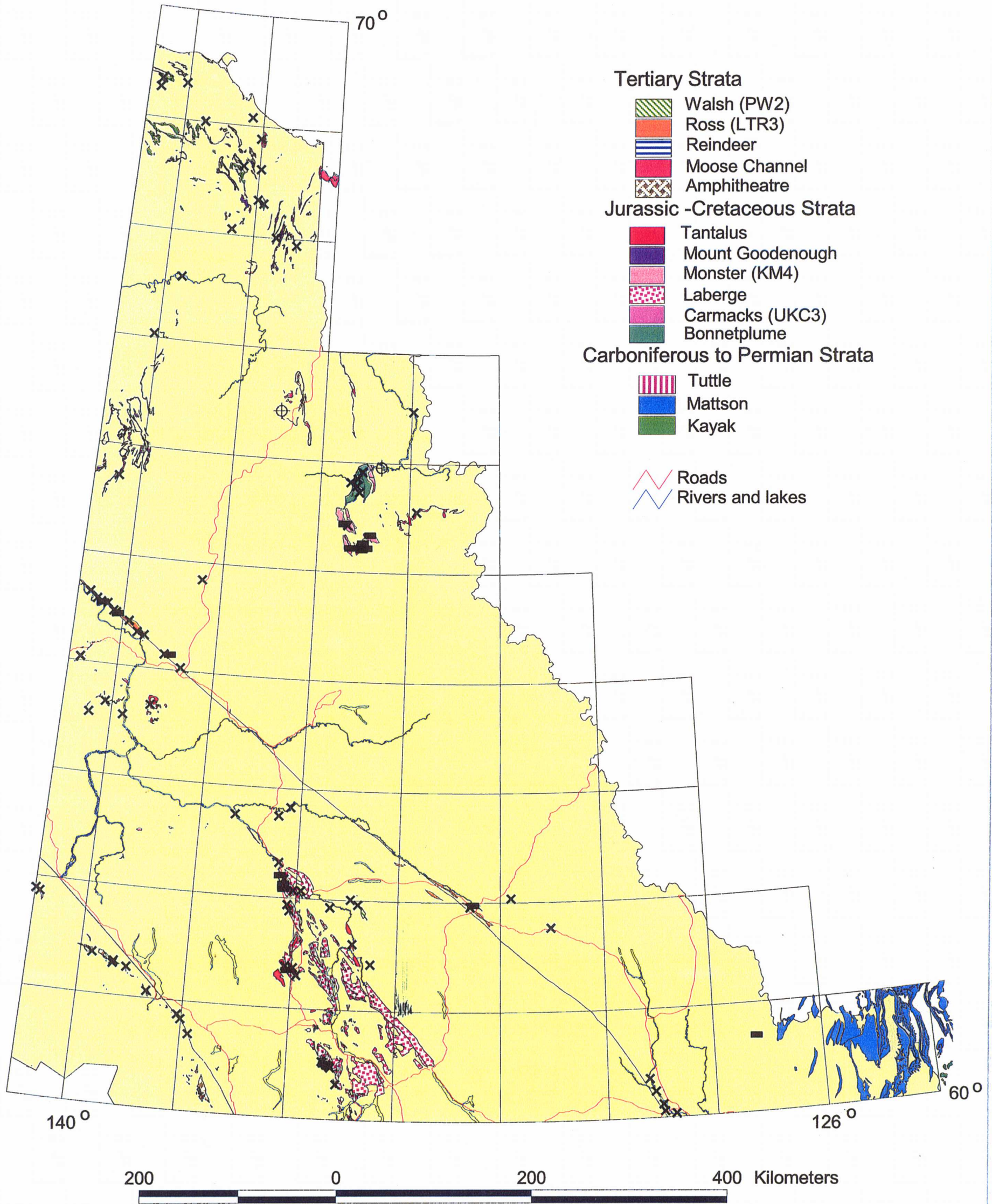
Note:  
Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.

Canada

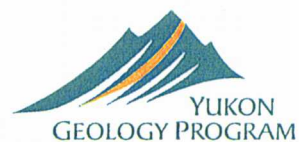


Yukon

# Coal Bearing Strata



Note:  
Geology is from: Gordey, S.P. and Makepeace, A.J., 1999. Yukon digital geology. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada Open File 1999-1 (D), and/or Geological Survey of Canada Open File D3826, 2 CD-ROM's.  
Mineral occurrences are from: Yukon Minfile, 1997. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. Also available from Hyperborean Productions, Whitehorse, Yukon.



Canada

Yukon