

# Atlas of Permo-Carboniferous Paleogeographic Maps

CR Scotese, PALEOMAP Project



## Atlas of Permo-Carboniferous Paleogeographic Maps

This Atlas of Permo-Carboniferous Paleogeographic Maps shows the changing paleogeography from the Early Mississippian (Tournasian, 352.3 Ma) to the Early Permian (Kungurian, 273.1 Ma). The maps are from volume 4 of the PALEOMAP PaleoAtlas for ArcGIS (Scotese, 2014). Absolute age assignments are from Gradstein, Ogg & Smith (2008).

The following maps are included in the Atlas of Permo-Carboniferous Paleogeographic Maps:

- Map 53 Early Permian (Kungurian, 273.1 Ma) Highstand Systems Tract
- Map 54 Early Permian (Artinskian, 280 Ma) Maximum Flooding Surface
- Map 55 Early Permian (Sakmarian, 289.5 Ma) Maximum Flooding Surface
- Map 56 Early Permian (Asselian, 296.8 Ma) Sakmarian Supersequence Boundary & Maximum Flooding Surface
- Map 57 Late Pennsylvanian (Gzhelian, 301.2 Ma) Asselian Supersequence Boundary & Maximum Flooding Surface
- Map 58 Late Pennsylvanian (Kasimovian, 305.3 Ma) Maximum Flooding Surface
- Map 59 Middle Pennsylvanian (Moscowian, 309.5) Transgressive Systems Tract
- Map 60 Early Pennsylvanian (Bashkirian, 314.9 Ma) Bashkirian Supersequence Boundary & Maximum Flooding Surface
- Map 61 Late Mississippian (Serpukhovian, 323.2 Ma) Maximum Flooding Surface
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- Map 63 Middle Mississippian (early Visean, 341.1 Ma) Maximum Flooding Surface
- Map 64 Early Mississippian (Tournasian, 352.3 Ma) Maximum Flooding Surface

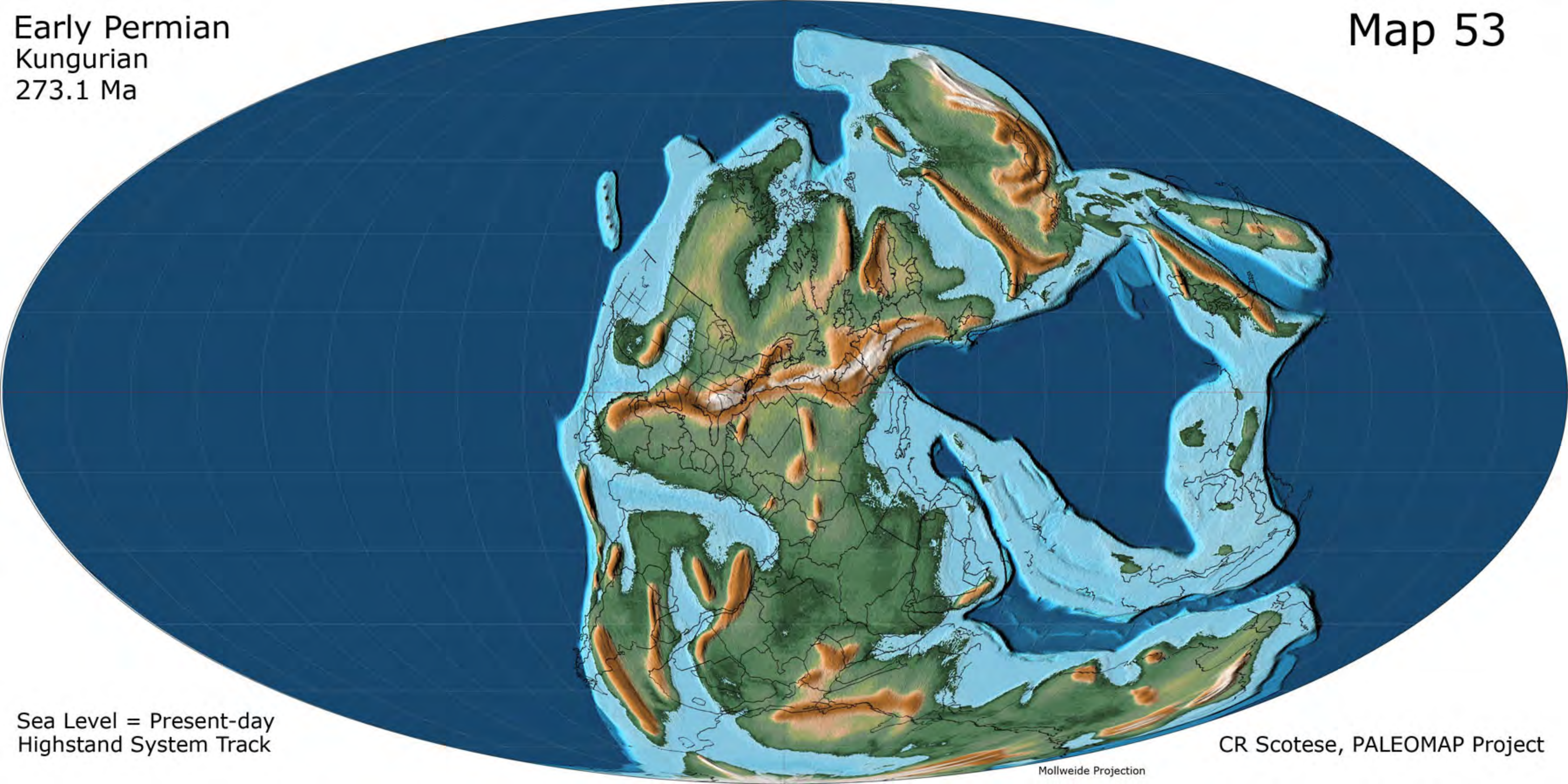
This work should be cited as

Scotese, C.R., 2014. Atlas of Permo-Carboniferous Paleogeographic Maps (Mollweide Projection), Maps 53 – 64, Volumes 4, The Late Paleozoic, PALEOMAP Atlas for ArcGIS, PALEOMAP Project, Evanston, IL.



Early Permian  
Kungurian  
273.1 Ma

Map 53



Sea Level = Present-day  
Highstand System Track

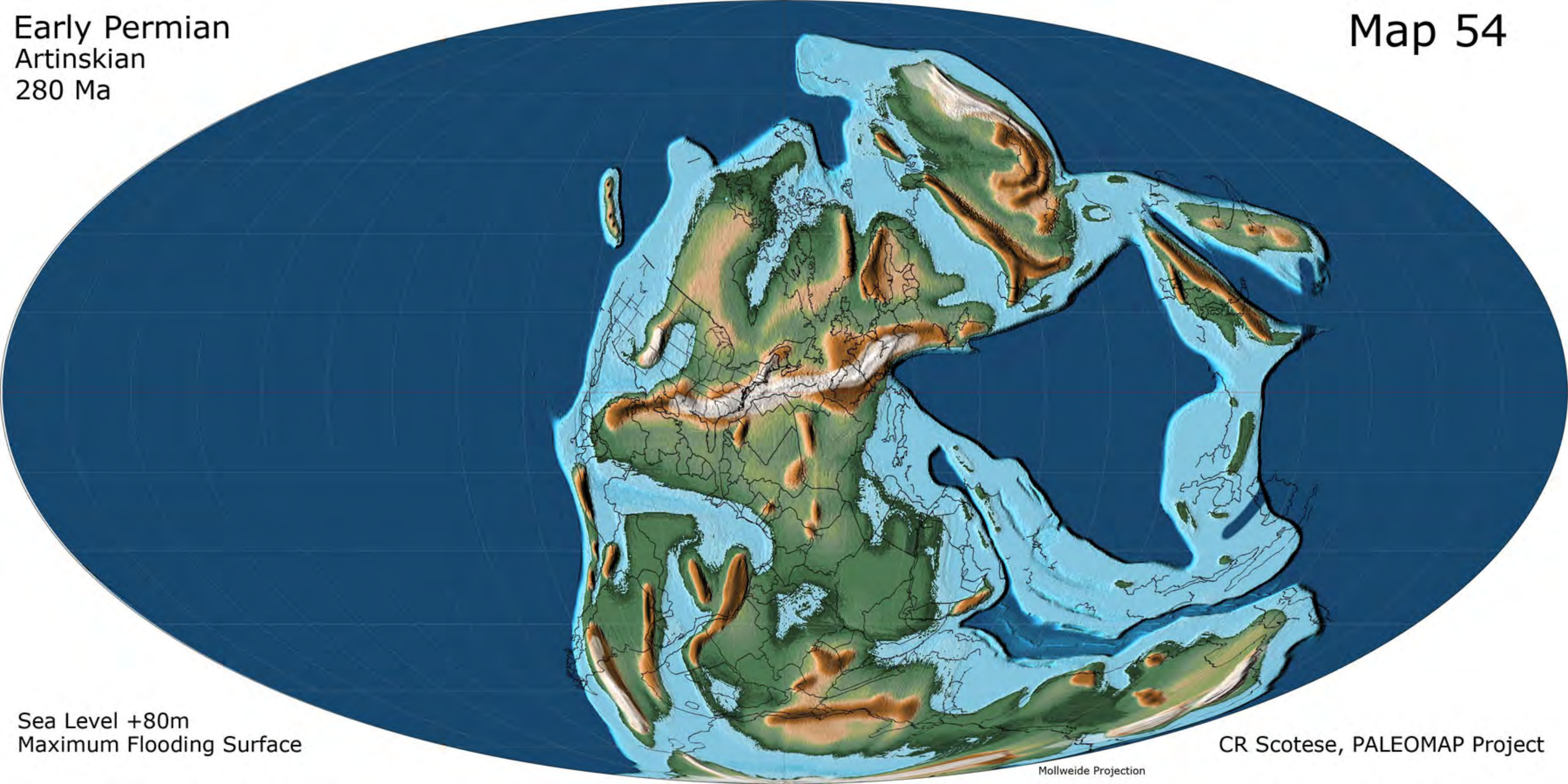
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Mollweide Projection



Early Permian  
Artinskian  
280 Ma

Map 54



Sea Level +80m  
Maximum Flooding Surface

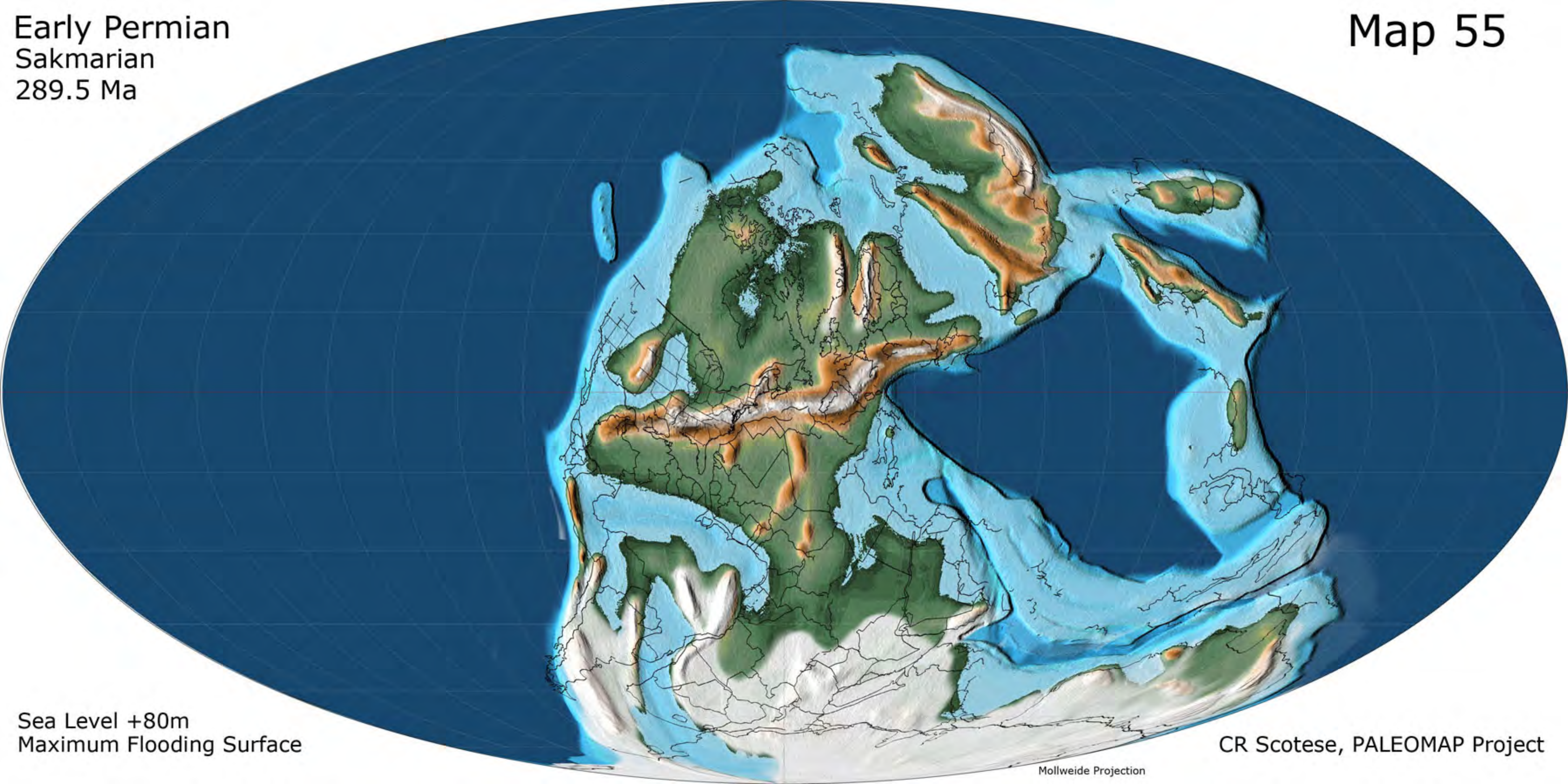
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Mollweide Projection



Early Permian  
Sakmarian  
289.5 Ma

Map 55



Sea Level +80m  
Maximum Flooding Surface

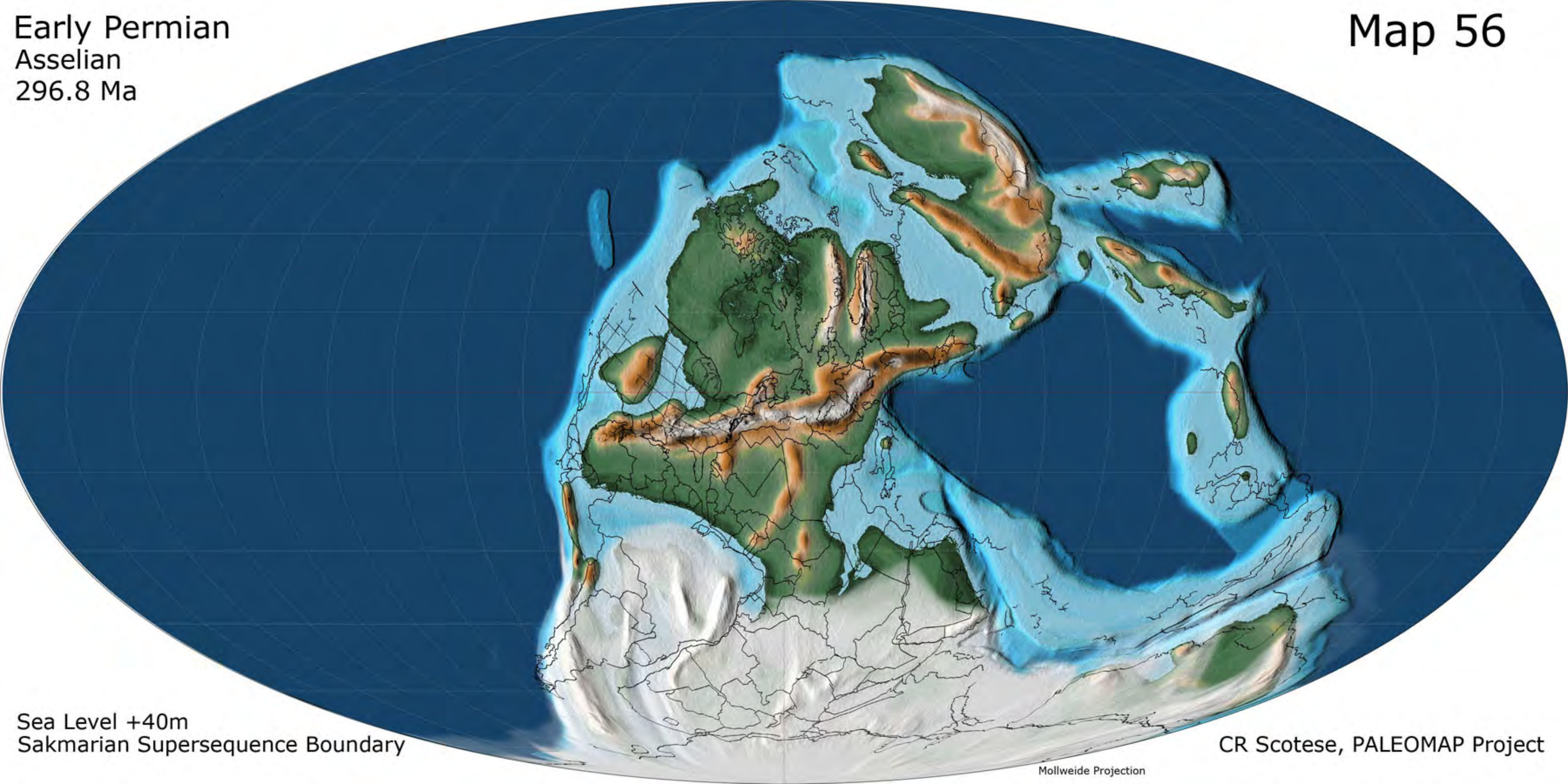
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Mollweide Projection



Early Permian  
Asselian  
296.8 Ma

Map 56



Sea Level +40m  
Sakmarian Supersequence Boundary

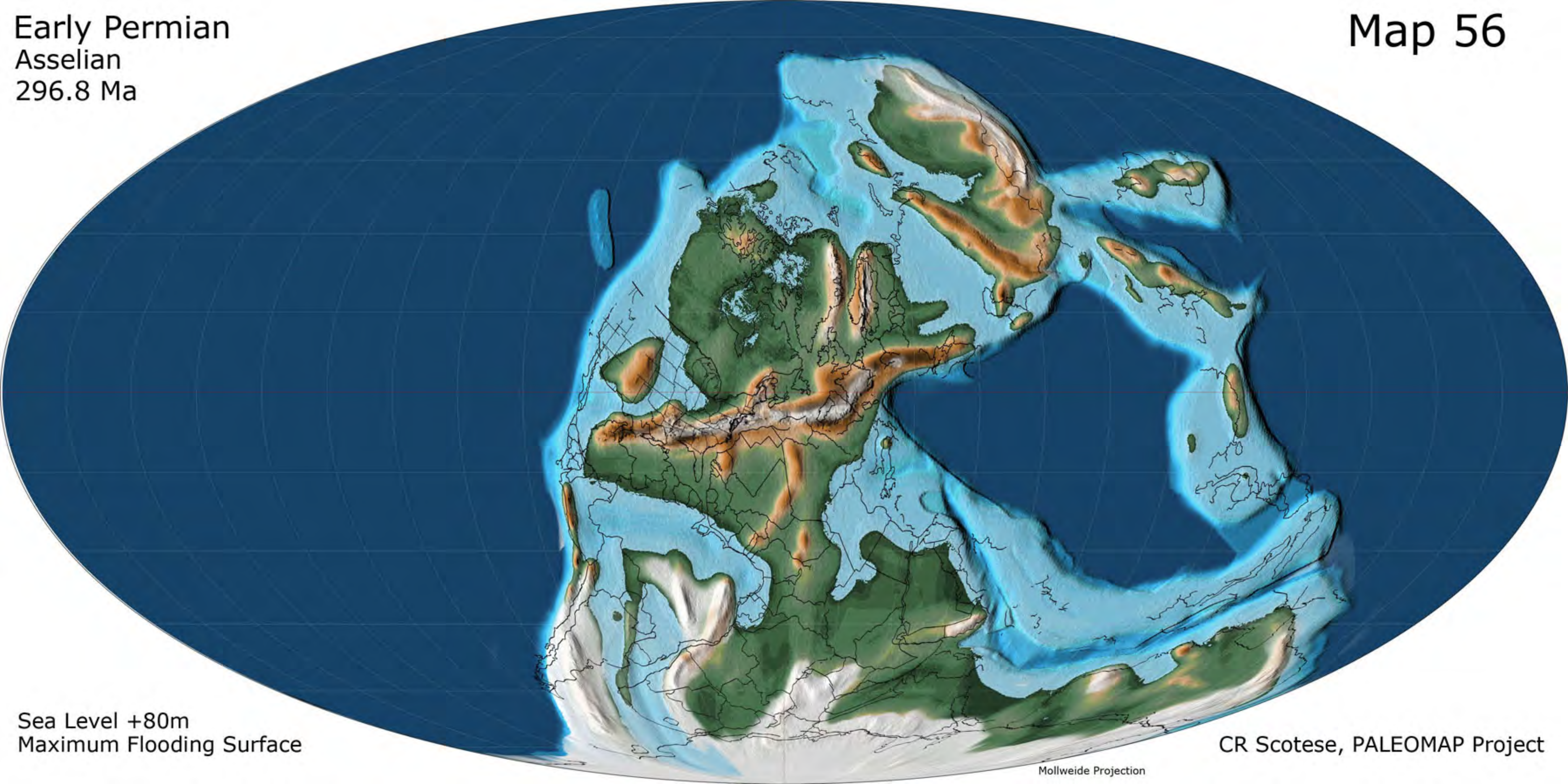
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Mollweide Projection



Early Permian  
Asselian  
296.8 Ma

Map 56



Sea Level +80m  
Maximum Flooding Surface

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Mollweide Projection



Late Pennsylvanian  
Gzhelian  
301.2 Ma

Map 57



Sea Level +40m  
Asselian Supersequence Boundary

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Mollweide Projection



Late Pennsylvanian  
Gzhelian  
301.2 Ma

Map 57



Sea Level +80m  
Maximum Flooding Surface

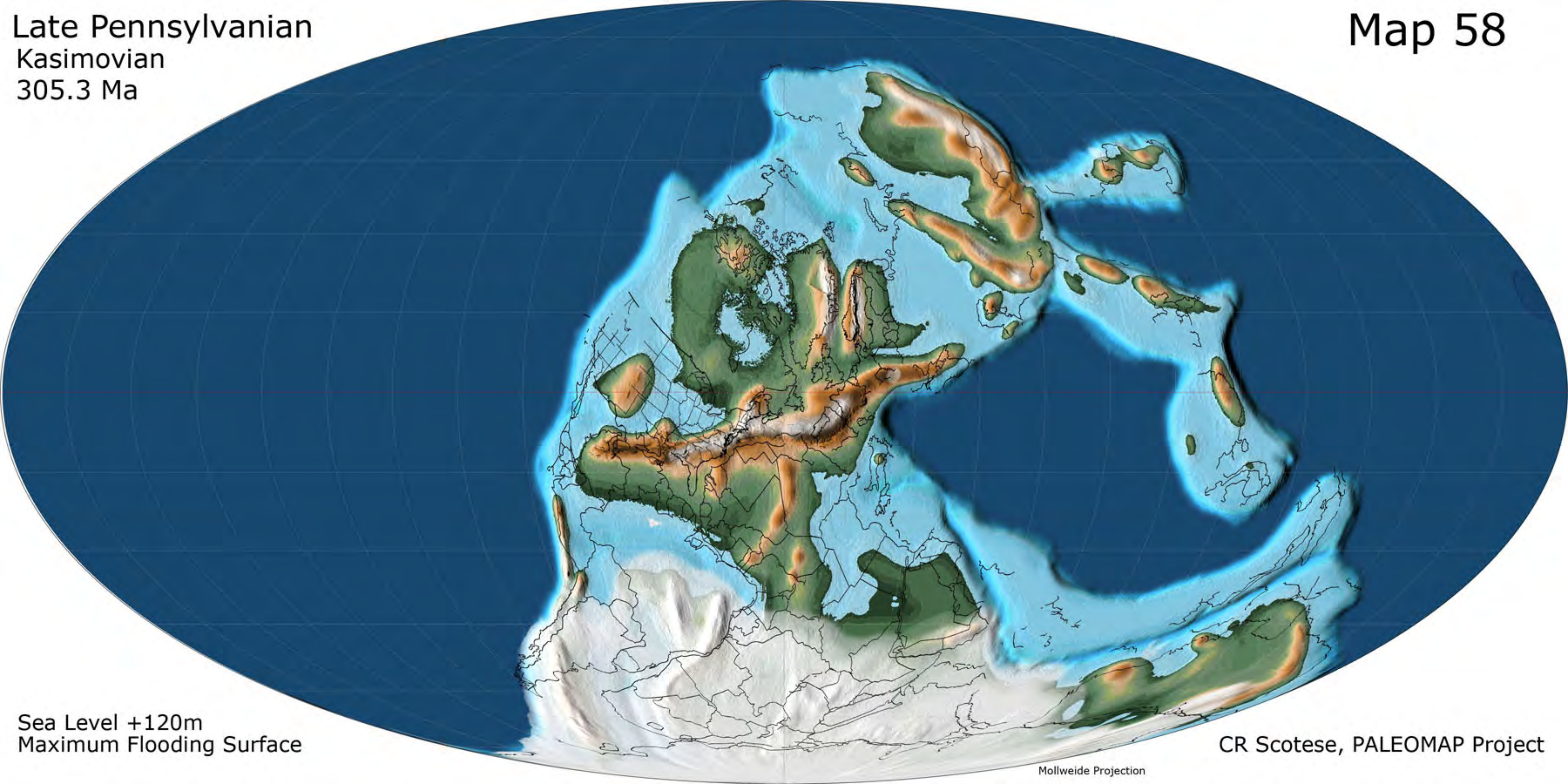
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Mollweide Projection



Late Pennsylvanian  
Kasimovian  
305.3 Ma

Map 58



Sea Level +120m  
Maximum Flooding Surface

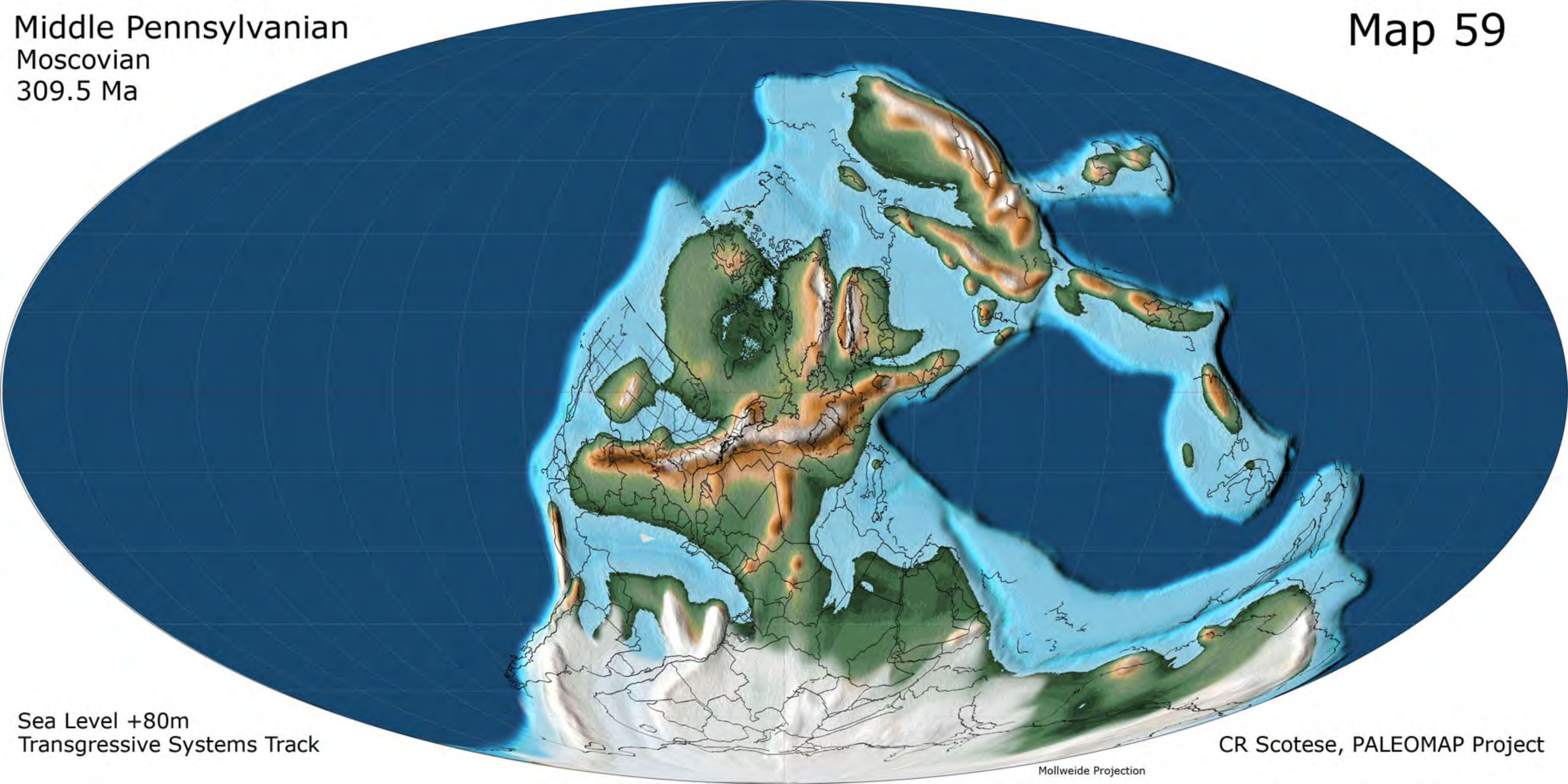
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Mollweide Projection



Middle Pennsylvanian  
Moscovian  
309.5 Ma

Map 59



Sea Level +80m  
Transgressive Systems Track

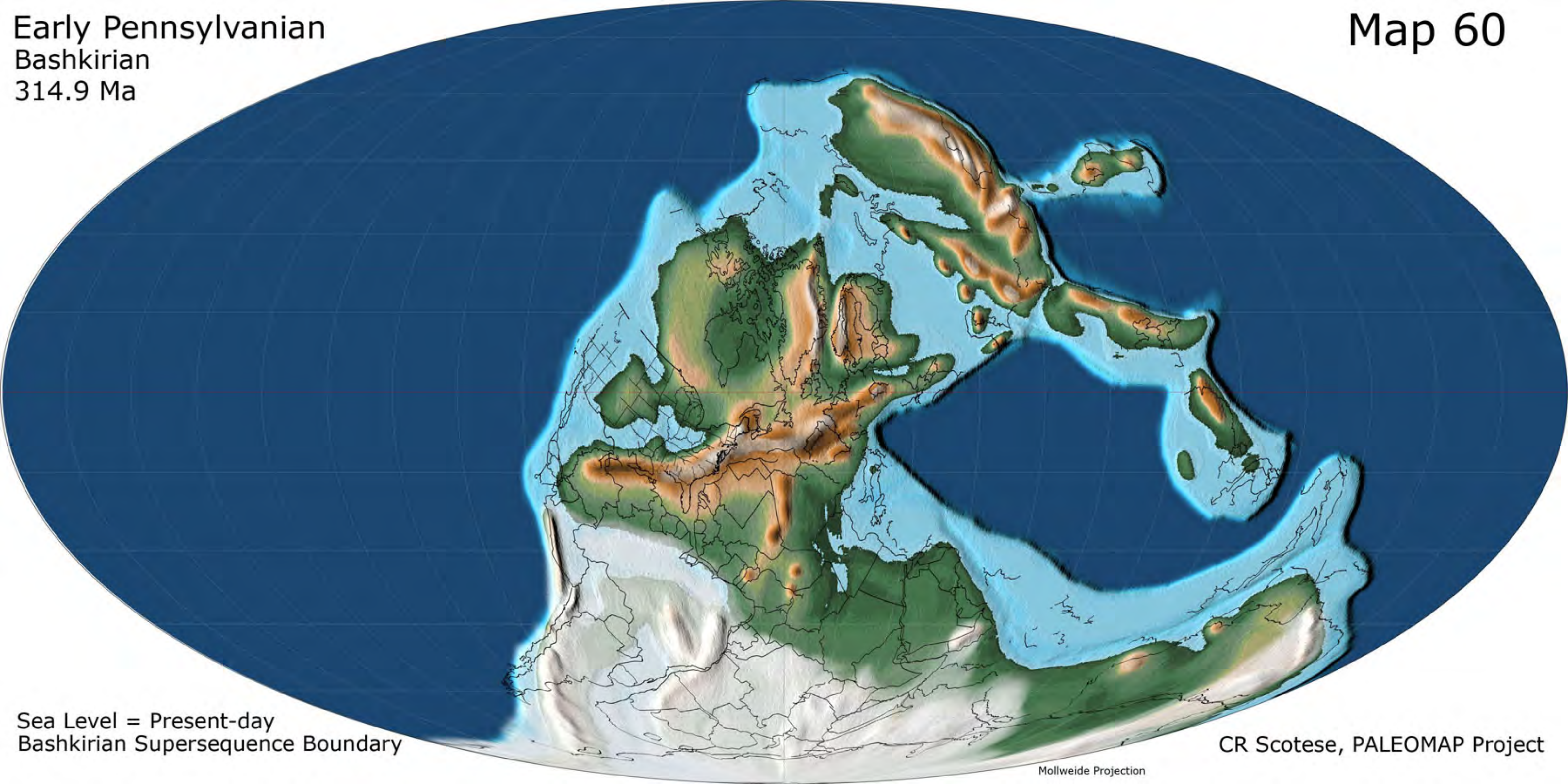
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Mollweide Projection



Early Pennsylvanian  
Bashkirian  
314.9 Ma

Map 60



Sea Level = Present-day  
Bashkirian Supersequence Boundary

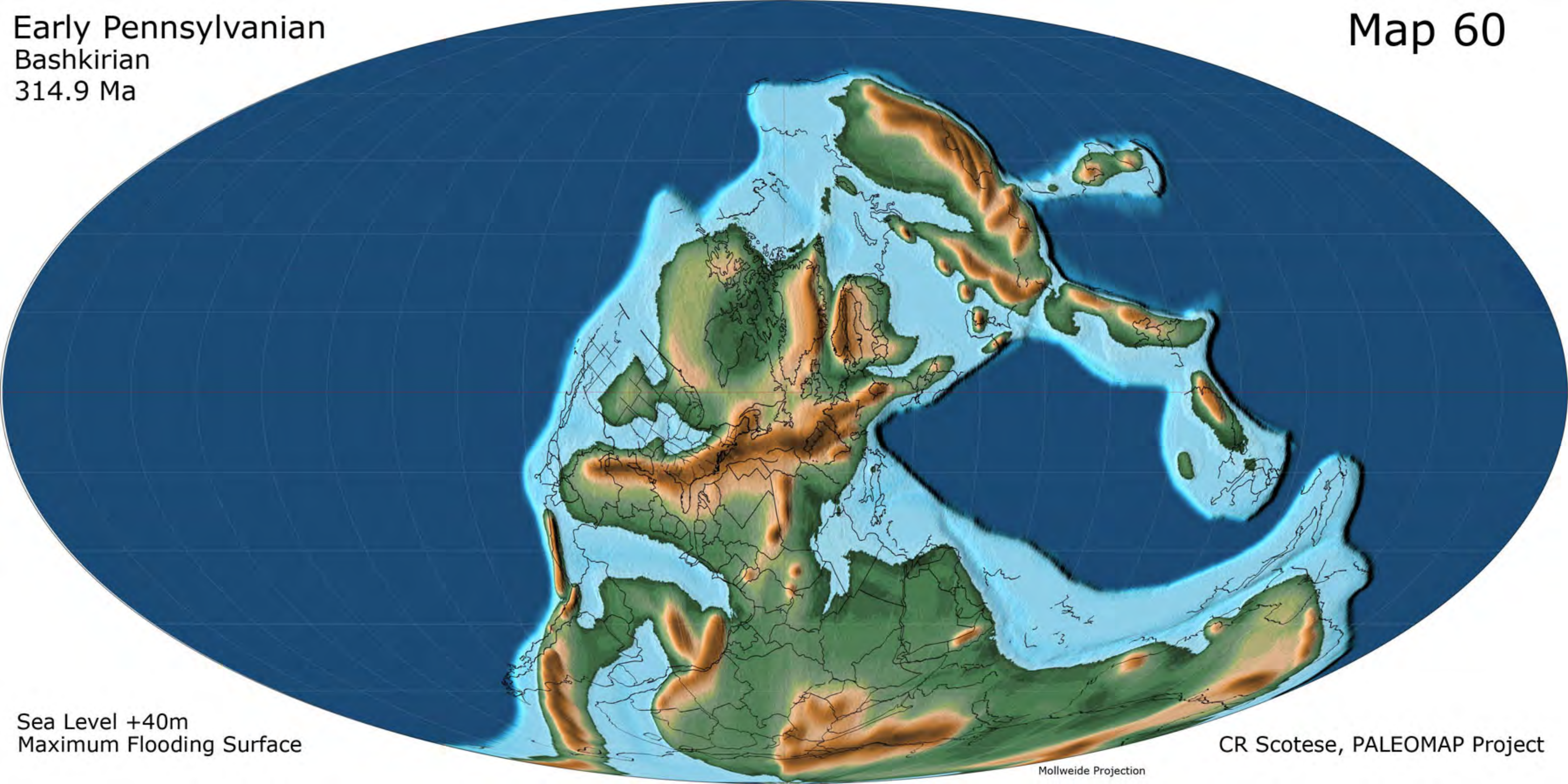
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Mollweide Projection



Early Pennsylvanian  
Bashkirian  
314.9 Ma

Map 60



Sea Level +40m  
Maximum Flooding Surface

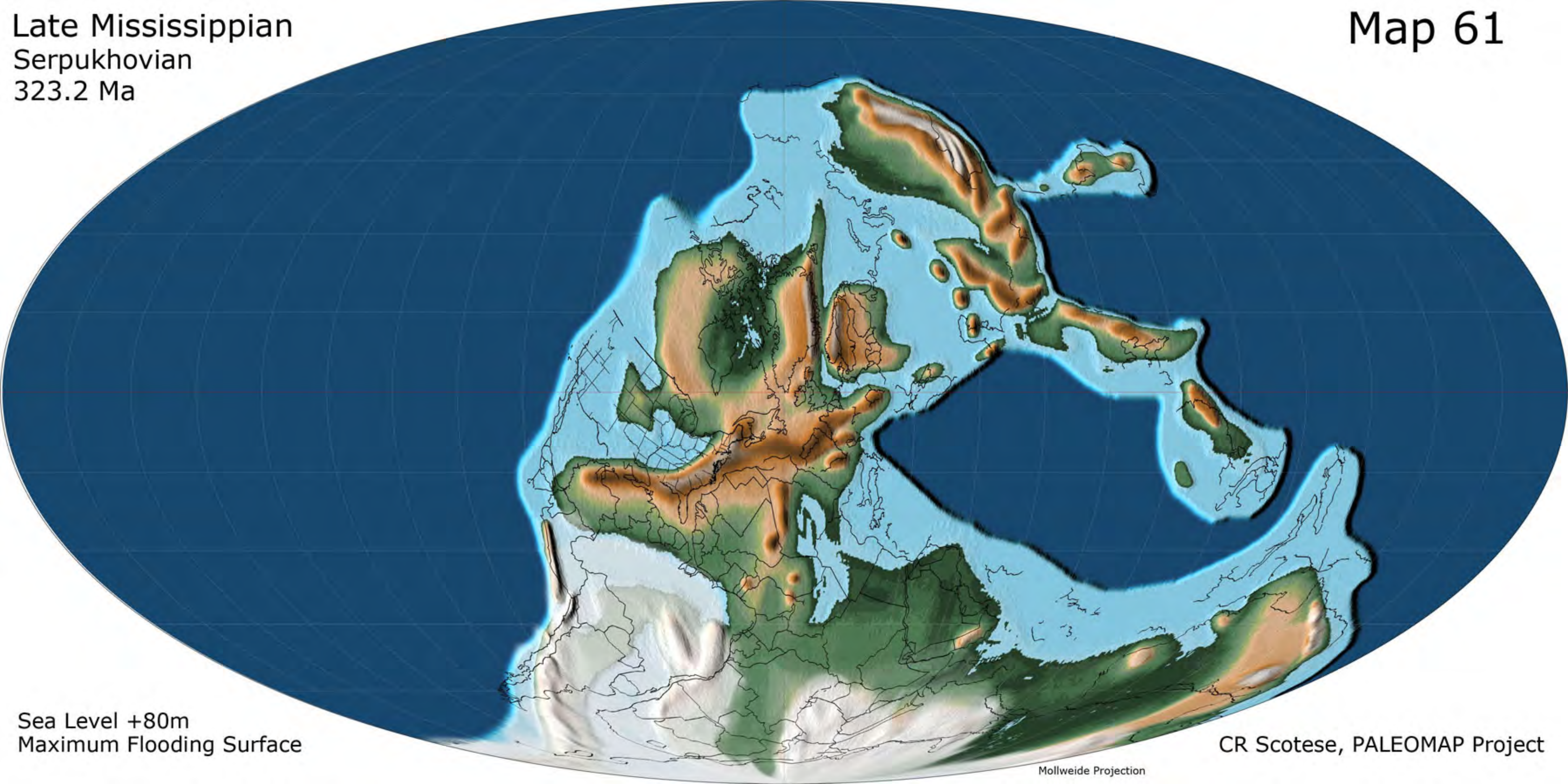
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Mollweide Projection



Late Mississippian  
Serpukhovian  
323.2 Ma

Map 61



Sea Level +80m  
Maximum Flooding Surface

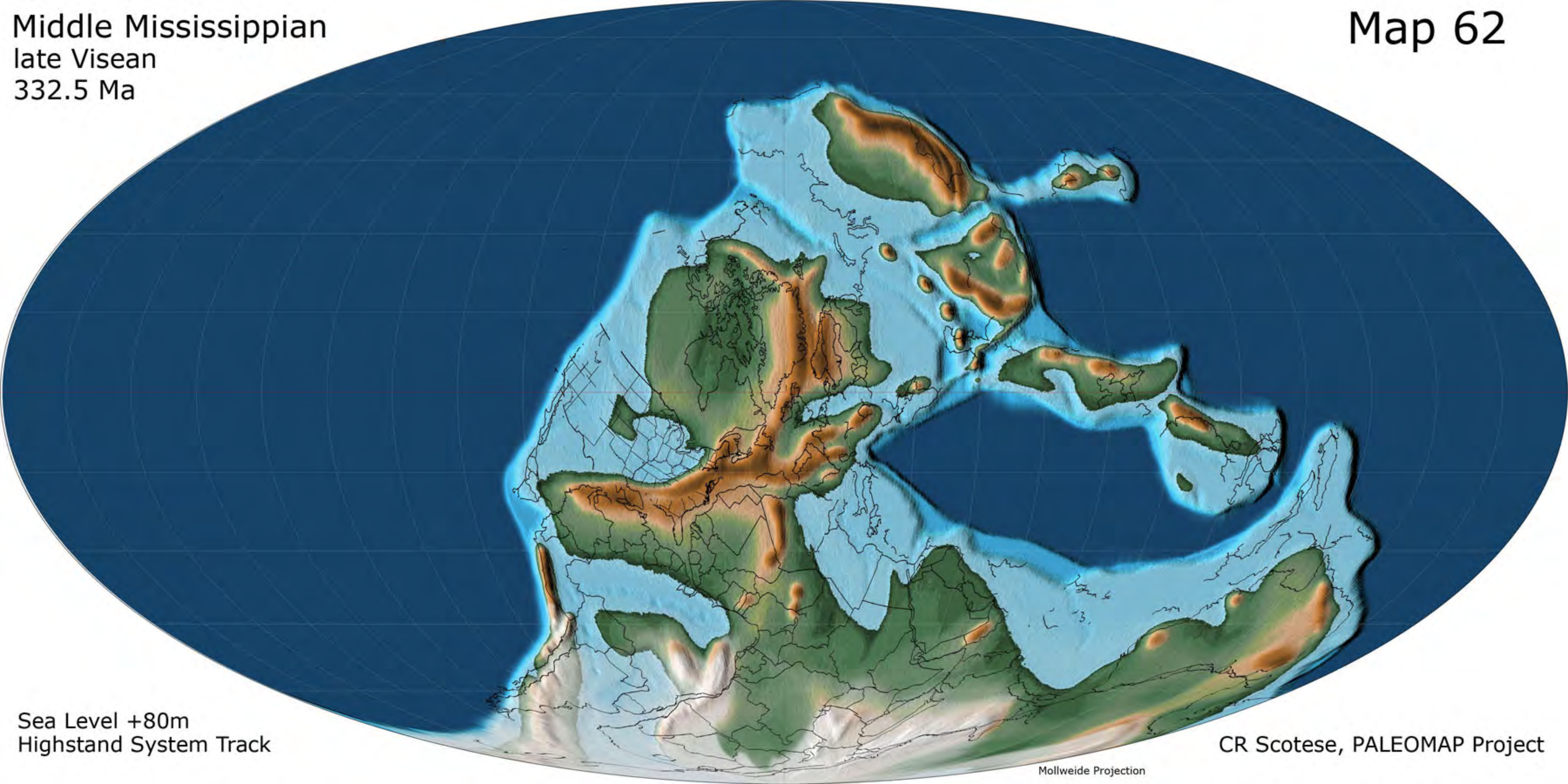
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Mollweide Projection



Middle Mississippian  
late Visean  
332.5 Ma

Map 62



Sea Level +80m  
Highstand System Track

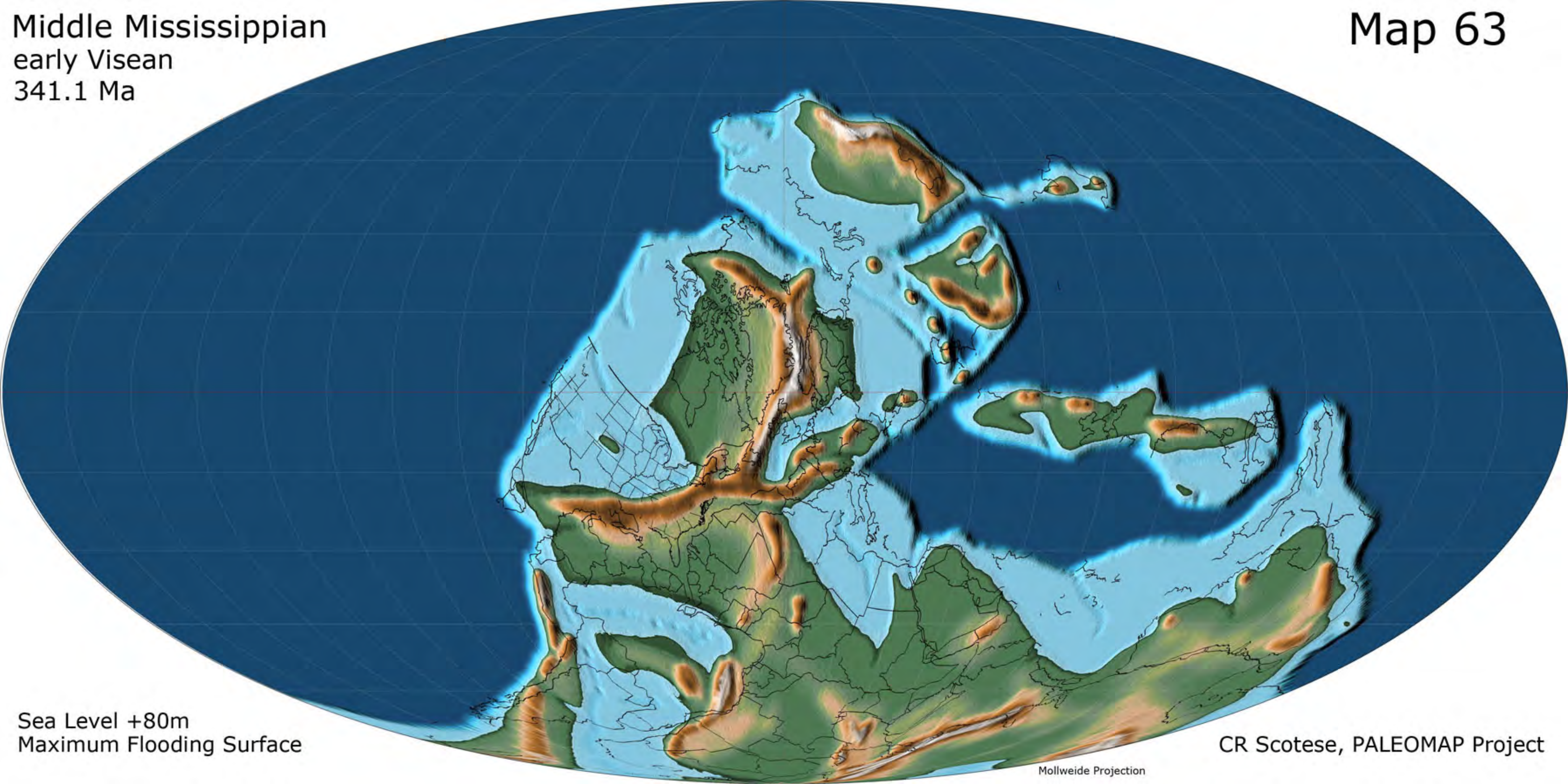
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Mollweide Projection



Middle Mississippian  
early Visean  
341.1 Ma

Map 63



Sea Level +80m  
Maximum Flooding Surface

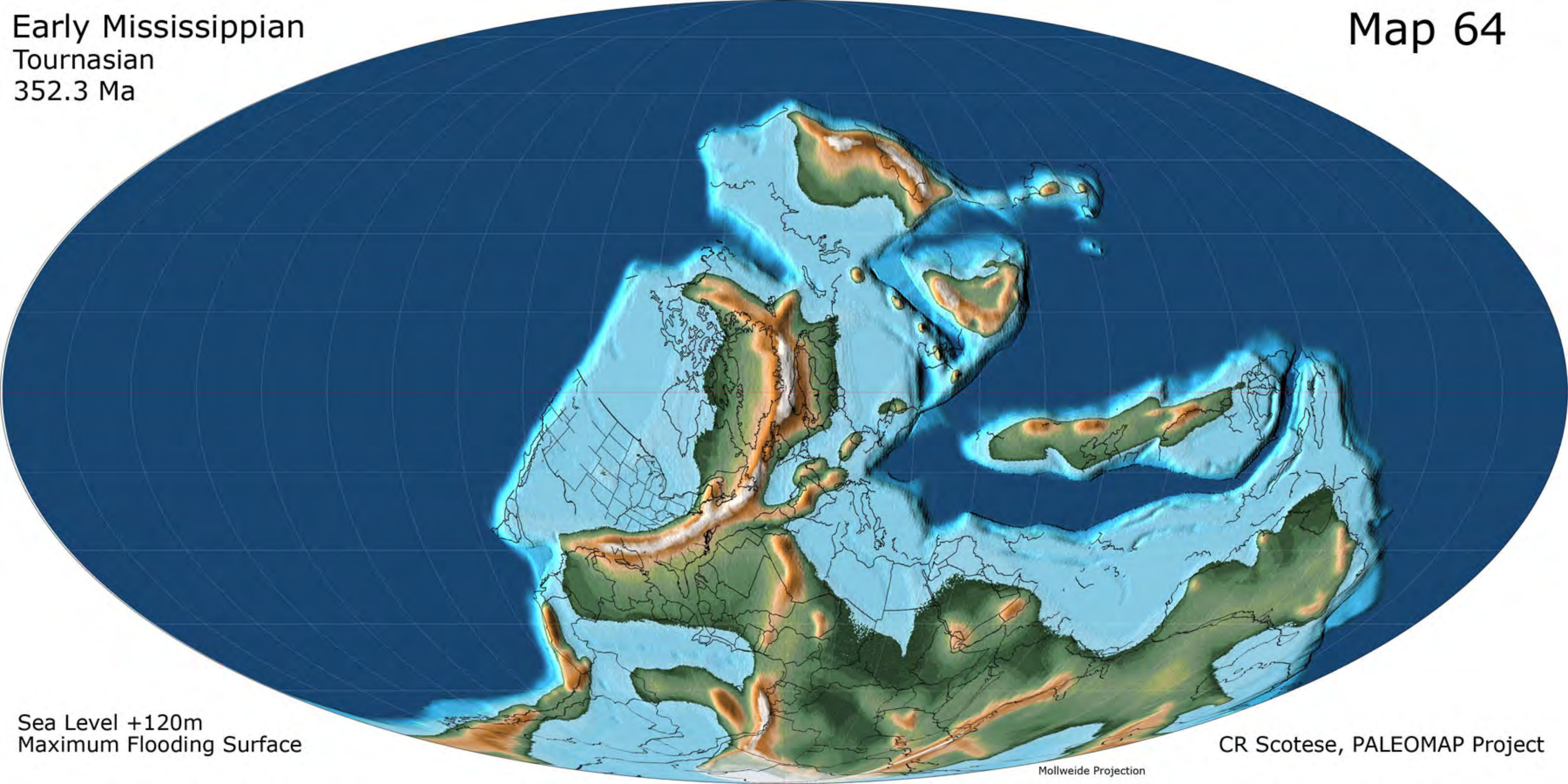
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Mollweide Projection



Early Mississippian  
Tournasian  
352.3 Ma

Map 64



Sea Level +120m  
Maximum Flooding Surface

CR Scotese, PALEOMAP Project

Mollweide Projection