



Atlas of Middle & Late Permian and Triassic Paleogeographic Maps

CR Scotese, PALEOMAP Project

Atlas of Middle & Late Permian and Triassic Paleogeographic Maps

This Atlas of Middle & Late Permian and Triassic Paleogeographic Maps shows the changing paleogeography from the Middle Permian (Roadian & Wordian, 268.2 Ma) to the end of the Triassic (Rhaetian, 201.6 Ma). The maps are from volumes 3 and 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 Jurassic Paleogeographic Maps:

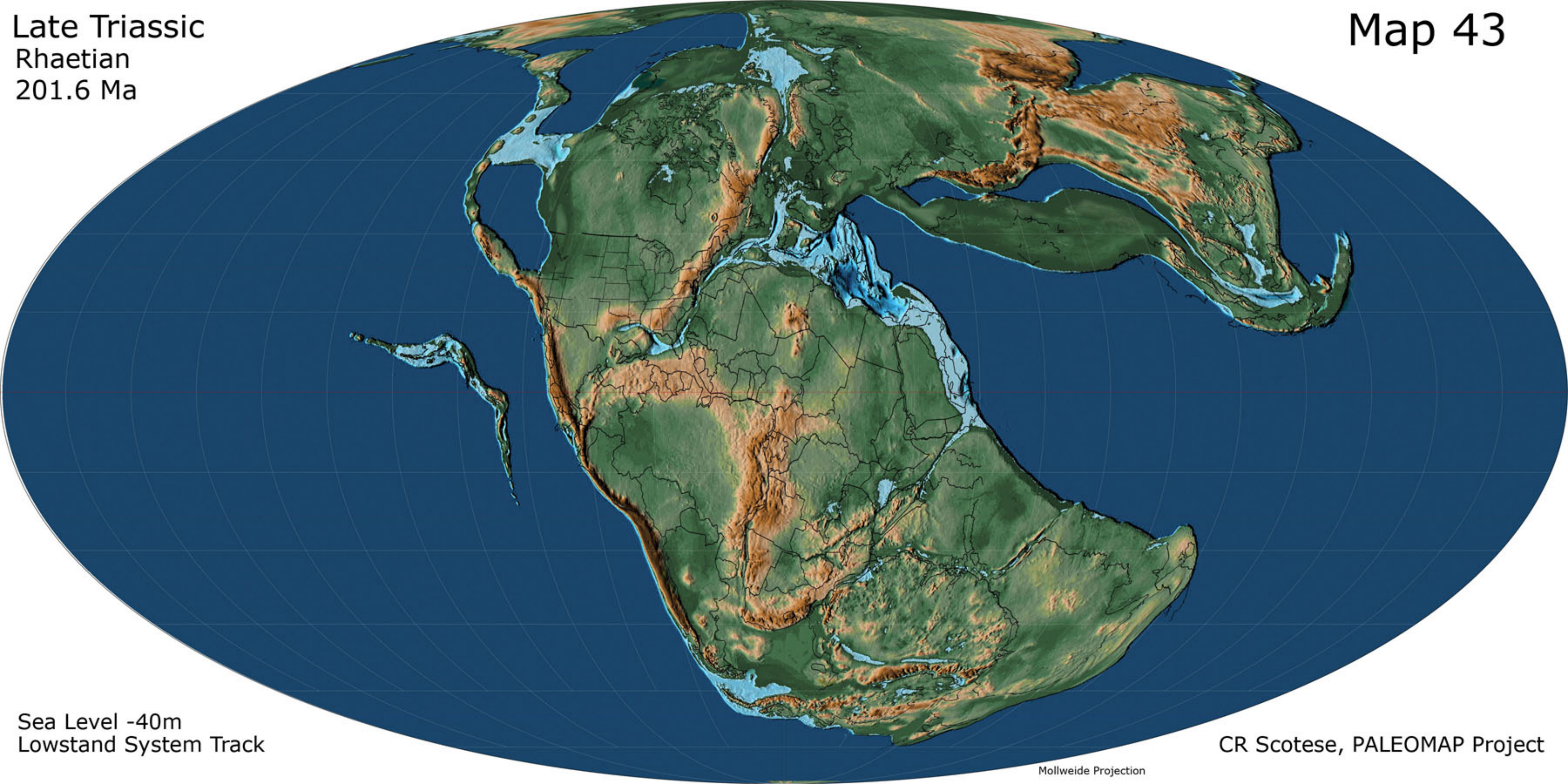
- Map 43 Late Triassic (Rhaetian, 201.6 Ma) Lowstand Systems Tract
- Map 44 Late Triassic (Norian, 210 Ma) Maximum Flooding Surface
- Map 45 Late Triassic (Carnian, 222.6 Ma) Transgressive Systems Tract
- Map 46 Middle Triassic (Ladinian, 232.9 Ma) Transgressive Systems Tract
- Map 47 Middle Triassic (Anisian, 241.5 Ma) Lowstand Systems Tract
- Map 48 Early Triassic (Induan & Olenekian, 248.5 Ma) Lowstand Systems Track
- Map 49 Permo-Triassic Boundary (251 Ma) Norian Supersequence Boundary
- Map 50 Late Permian (Lopingian, 255.7 Ma) Transgressive Systems Tract
- Map 51 late Middle Permian (Capitanian, 263.1 Ma) Lowstand Systems Tract
- Map 52 Middle Permian (Roadian & Wordian, 268.2 Ma) Maximum Flooding Surface

This work should be cited as

Scotese, C.R., 2014. Atlas of Middle & Late Permian and Triassic Paleogeographic Maps, maps 43 - 48 from Volume 3 of the PALEOMAP Atlas for ArcGIS (Jurassic and Triassic) and maps 49 - 52 from Volume 4 of the PALEOMAP PaleoAtlas for ArcGIS (Late Paleozoic), Mollweide Projection, PALEOMAP Project, Evanston, IL.

Late Triassic
Rhaetian
201.6 Ma

Map 43



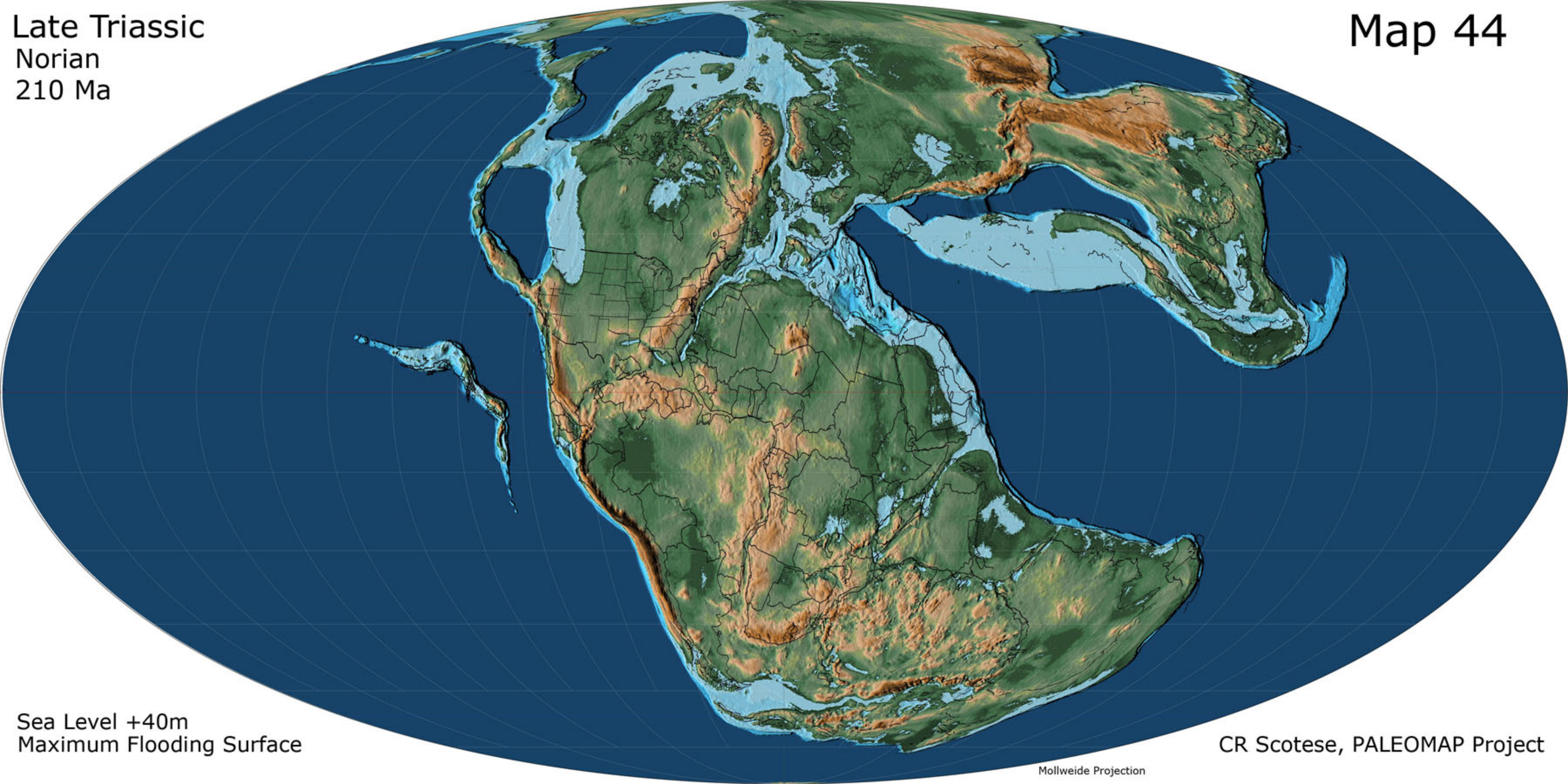
Sea Level -40m
Lowstand System Track

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Mollweide Projection

Late Triassic
Norian
210 Ma

Map 44



Sea Level +40m
Maximum Flooding Surface

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Mollweide Projection

Late Triassic
Carnian
222.6 Ma

Map 45



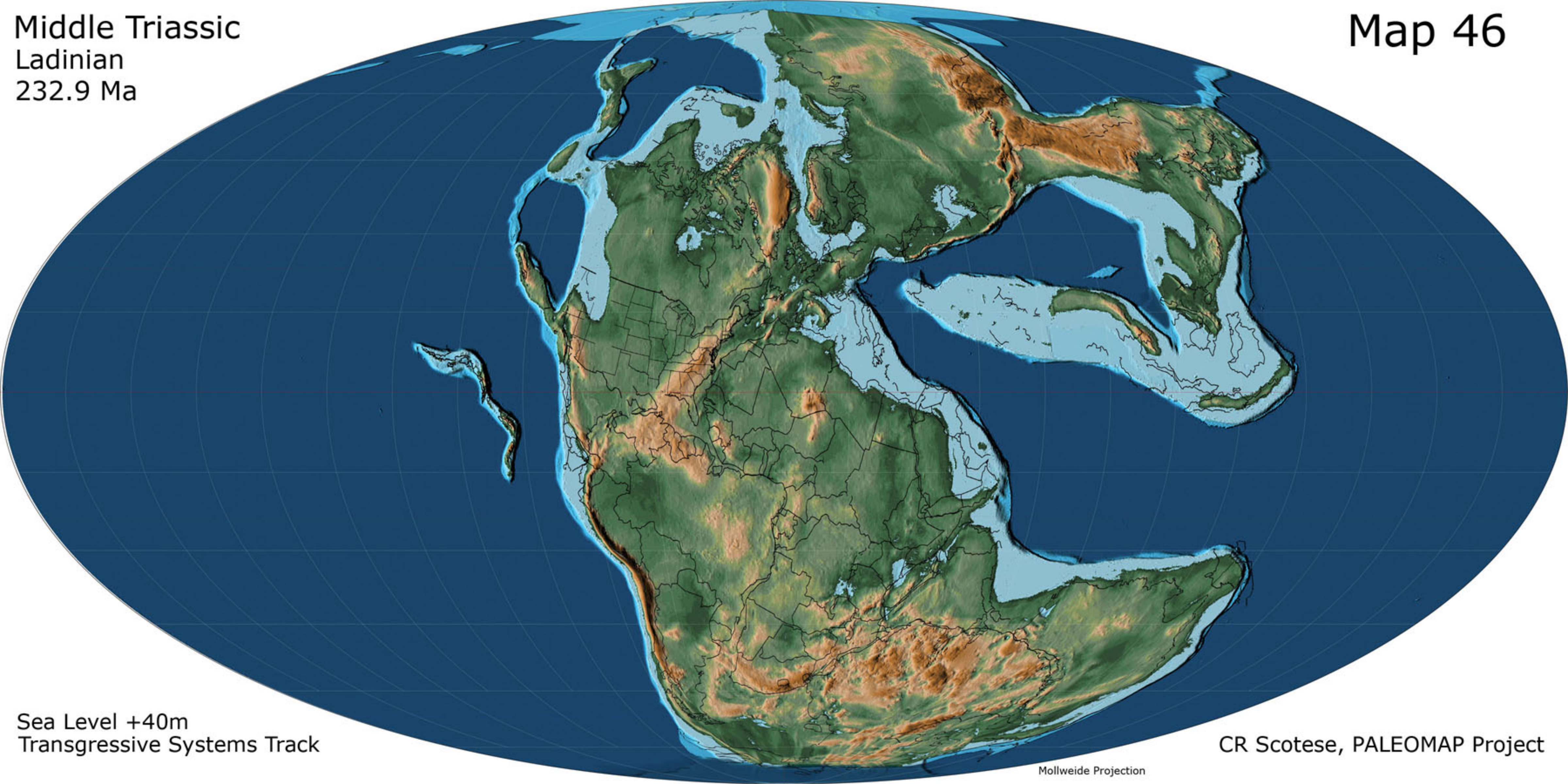
Sea Level +40m
Transgressive Systems Track

CR Scotese, PALEOMAP Project

Mollweide Projection

Middle Triassic
Ladinian
232.9 Ma

Map 46



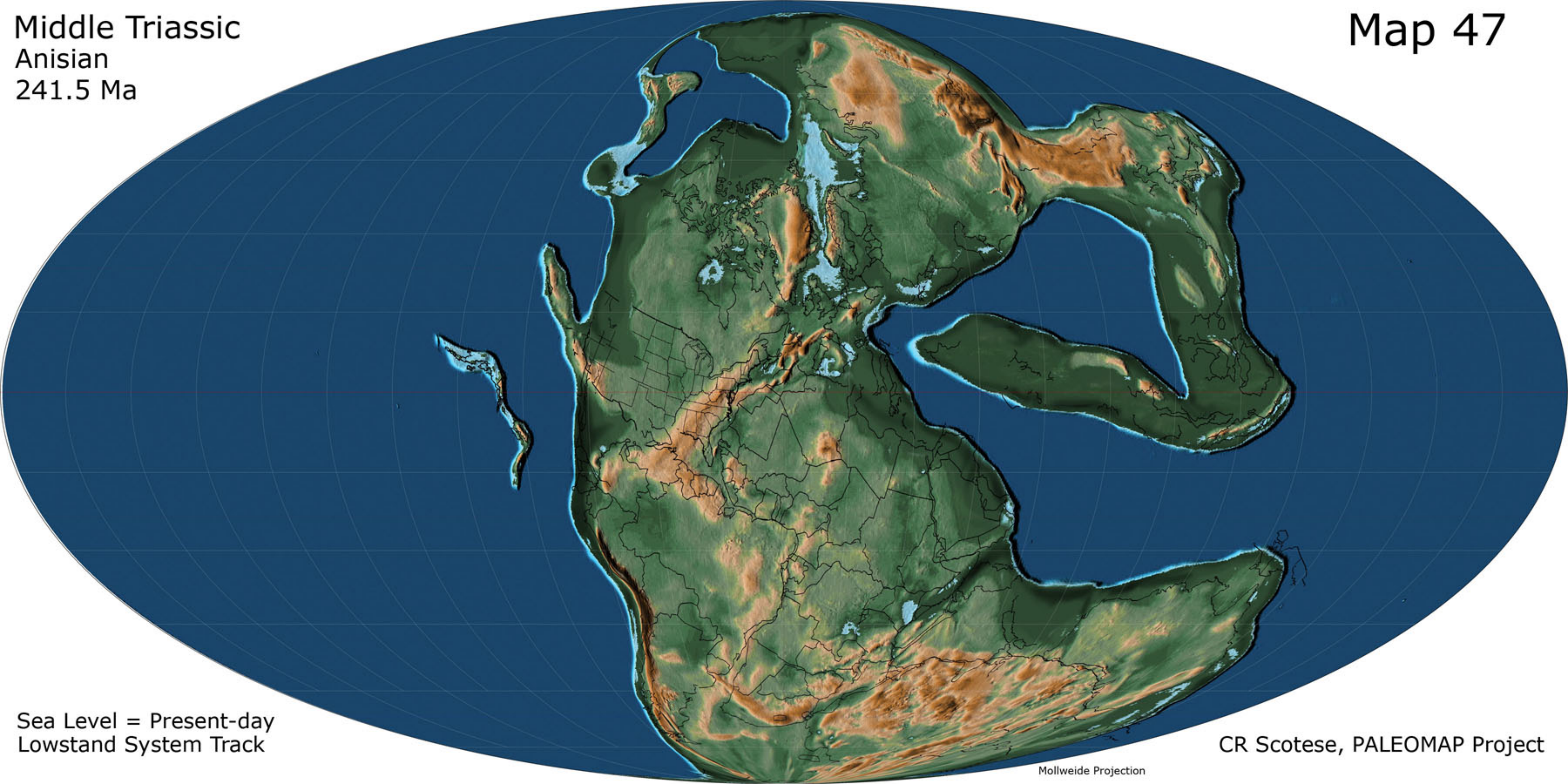
Sea Level +40m
Transgressive Systems Track

CR Scotese, PALEOMAP Project

Mollweide Projection

Middle Triassic
Anisian
241.5 Ma

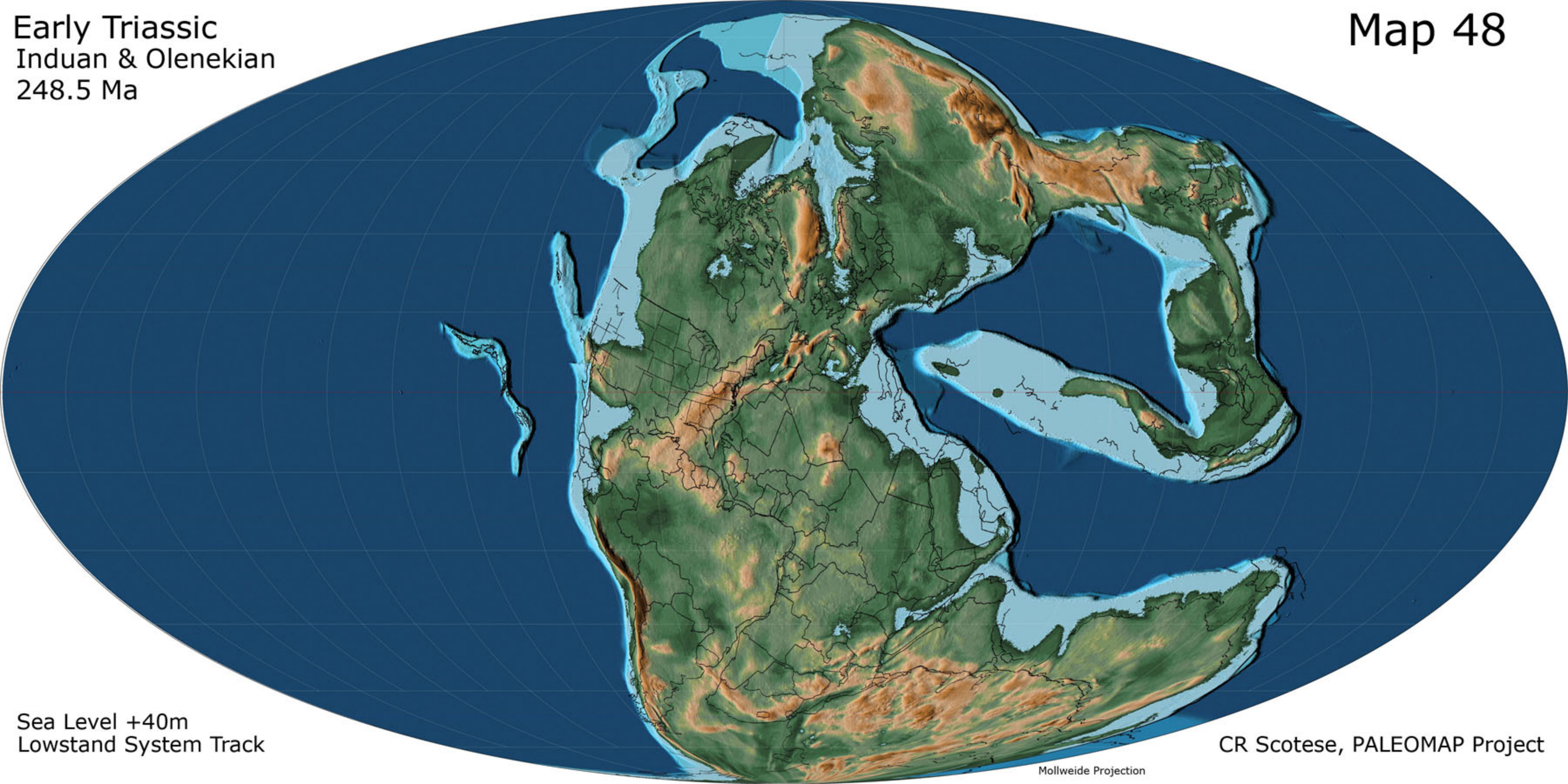
Map 47



Sea Level = Present-day
Lowstand System Track

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Mollweide Projection



Early Triassic
Induan & Olenekian
248.5 Ma

Map 48

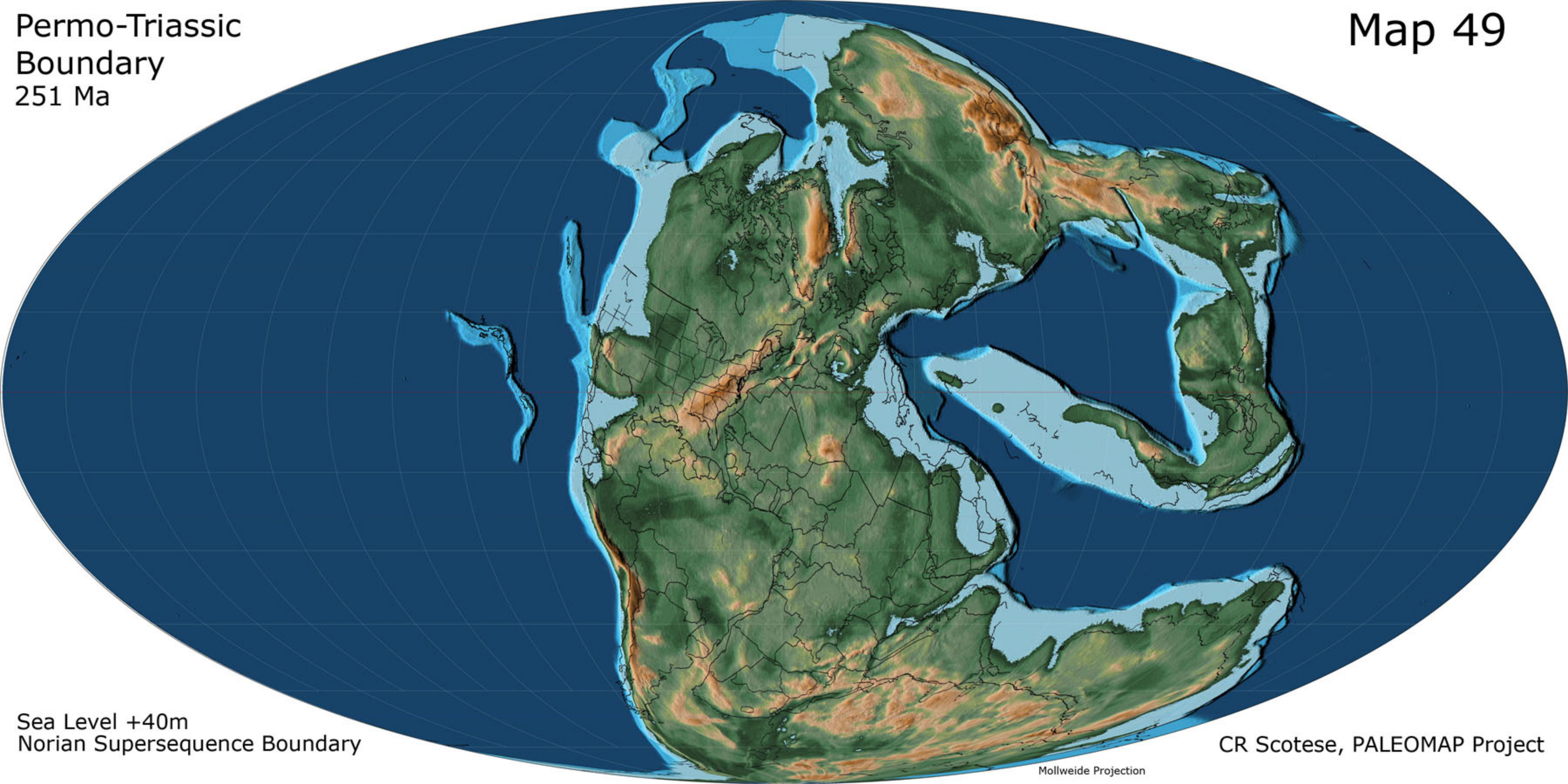
Sea Level +40m
Lowstand System Track

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Mollweide Projection

Permo-Triassic
Boundary
251 Ma

Map 49



Sea Level +40m
Norian Supersequence Boundary

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Mollweide Projection

Late Permian
Lopingian
255.7 Ma

Map 50



Sea Level -40m
Transgressive Systems Track

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Mollweide Projection

Late Permian
Capitanian
263.1 Ma

Map 51



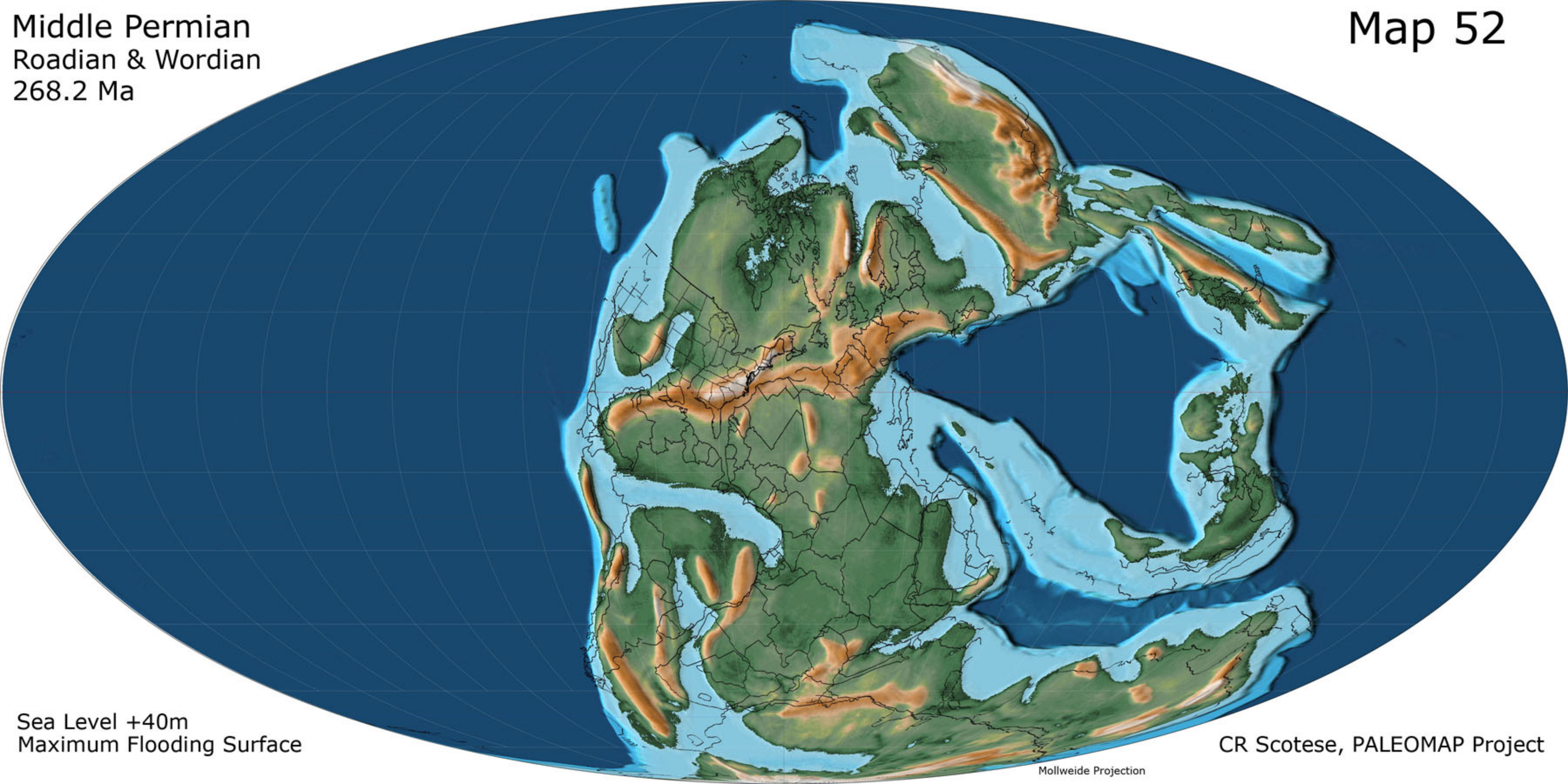
Sea Level -80m
Lowstand System Track

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Mollweide Projection

Middle Permian
Roadian & Wordian
268.2 Ma

Map 52



Sea Level +40m
Maximum Flooding Surface

CR Scotese, PALEOMAP Project

Mollweide Projection