

# Atlas of Jurassic Paleogeographic Maps

CR Scotese, PALEOMAP Project



## Atlas of Jurassic Paleogeographic Maps

This Atlas of Jurassic Paleogeographic Maps shows the changing paleogeography from the Hettangian (198 Ma) to the Jurassic/Cretaceous Boundary (145.5 Ma). The maps are from volume 3 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 32 Jurassic/Cretaceous Boundary (145.5 Ma) Berriasian Supersequence Boundary
- Map 33 Late Jurassic (Tithonian, 148.2 Ma) Highstand Systems Track
- Map 34 Late Jurassic (Kimmeridgian, 153.2) Maximum Flooding Surface
- Map 35 Late Jurassic (Oxfordian, 158.4) Transgressive Systems Track
- Map 36 Middle Jurassic (Calloviaian, 164.5 Ma) Transgressive Systems Tract
- Map 37 Middle Jurassic (Bajocian & Bathonian, 169.7 Ma) Kimmeridgian-Oxfordian Supersequence Boundary & Maximum Flooding Surface
- Map 38 Middle Jurassic (Aalenian, 173.2 Ma) Bathonian-Bajocian Supersequence Boundary
- Map 39 Early Jurassic (Toarcian, 179.3 Ma) Toarcian Supersequence Boundary and Maximum Flooding Surface
- Map 40 Early Jurassic (Pliensbachian, 186.3 Ma) Maximum Flooding Surface
- Map 41 Early Jurassic (Sinemurian, 193 Ma) Transgressive Systems Track
- Map 42 Early Jurassic (Hettangian, 198 Ma) Pliensbachian Supersequence Boundary

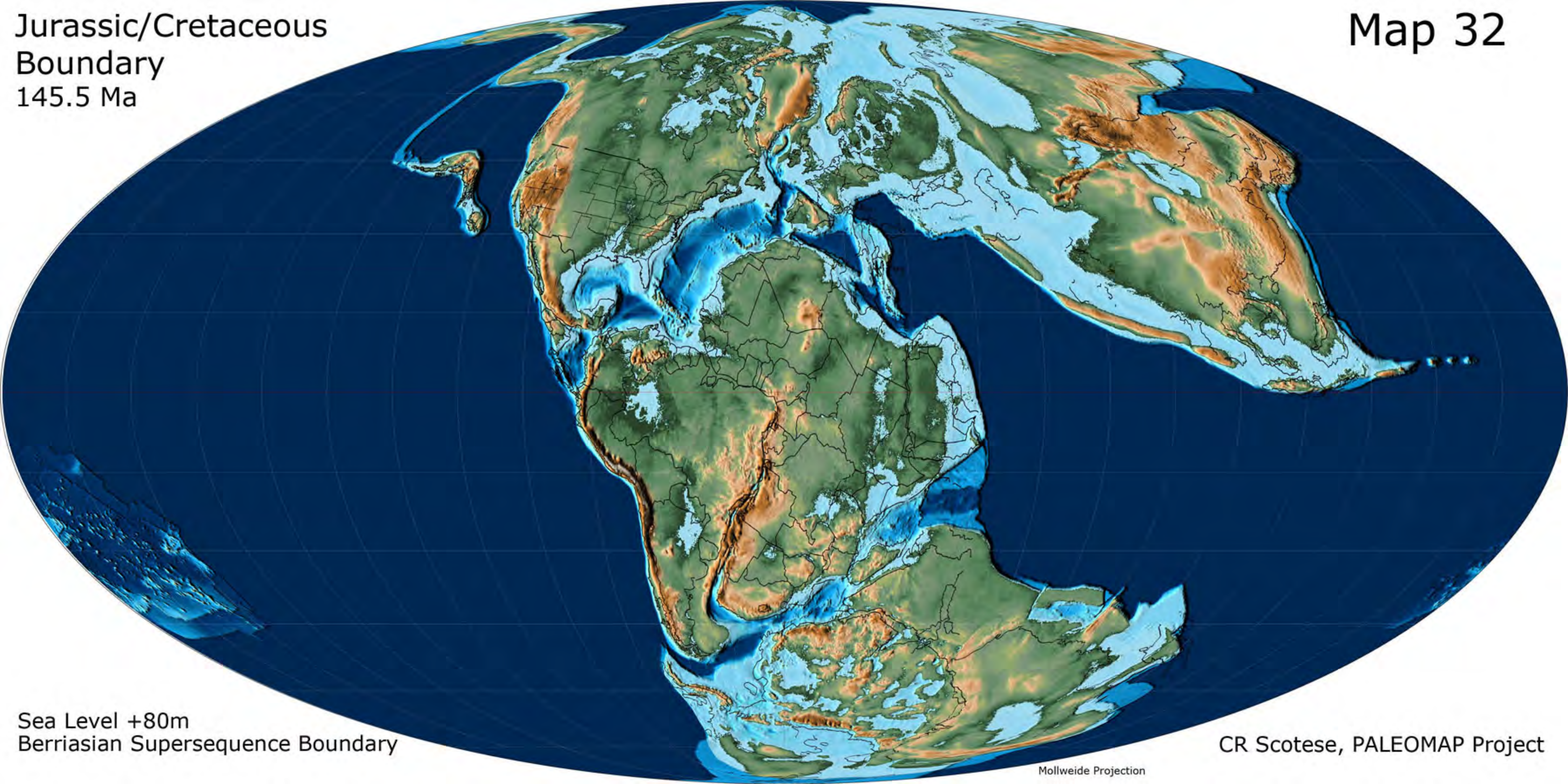
This work should be cited as

Scotese, C.R., 2014. Atlas of Jurassic Paleogeographic Maps, PALEOMAP Atlas for ArcGIS, volume 4, The Jurassic and Triassic, Maps 32-42, Mollweide Projection, PALEOMAP Project, Evanston, IL.



Jurassic/Cretaceous  
Boundary  
145.5 Ma

Map 32



Sea Level +80m  
Berriasian Supersequence Boundary

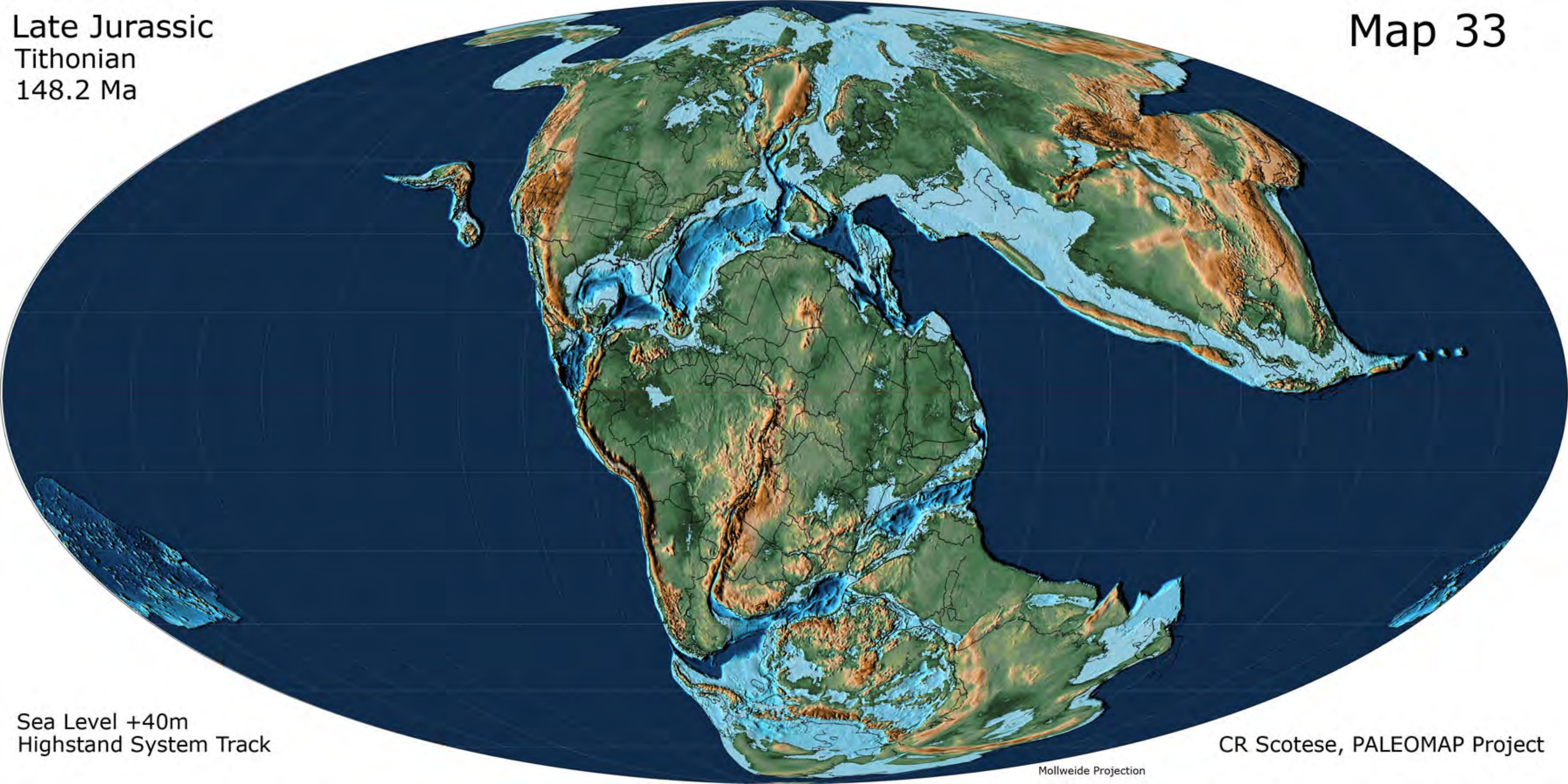
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Late Jurassic  
Tithonian  
148.2 Ma

Map 33



Sea Level +40m  
Highstand System Track

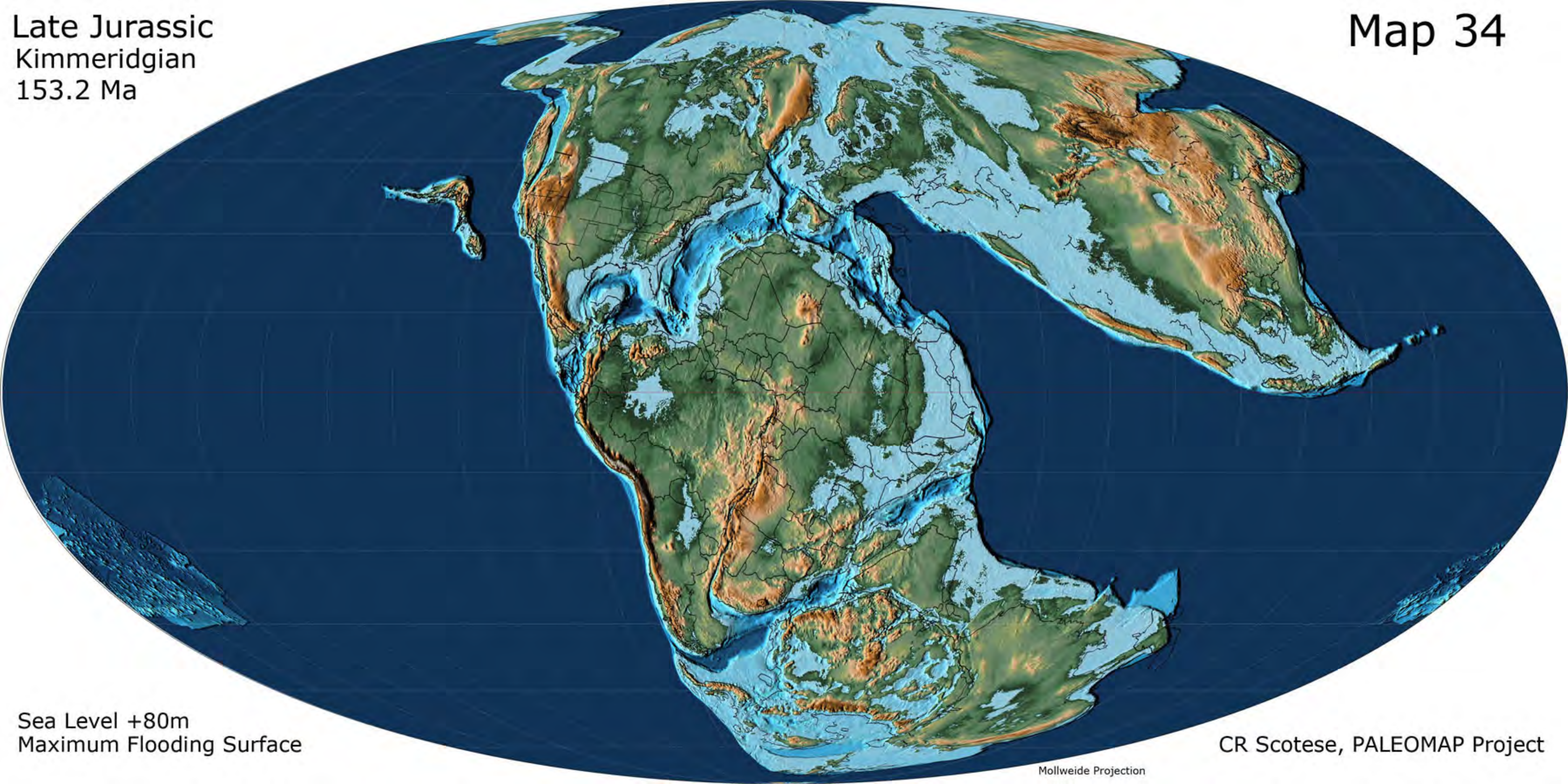
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Late Jurassic  
Kimmeridgian  
153.2 Ma

Map 34



Sea Level +80m  
Maximum Flooding Surface

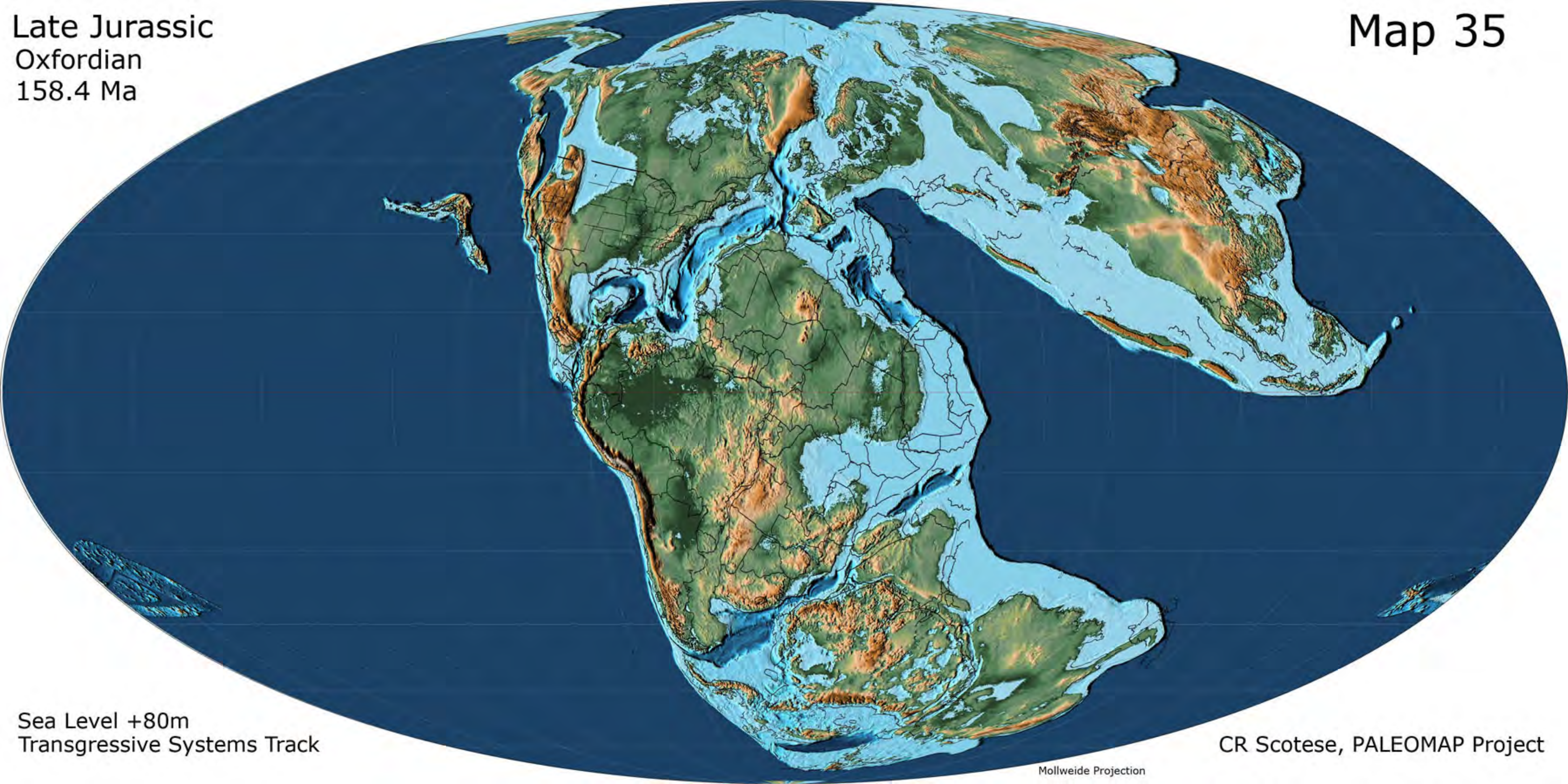
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Late Jurassic  
Oxfordian  
158.4 Ma

Map 35



Sea Level +80m  
Transgressive Systems Track

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Middle Jurassic  
Callovian  
164.5 Ma

Map 36



Sea Level +40m  
Transgressive Systems Track

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Middle Jurassic  
Bajocian & Bathonian  
169.7 Ma

Map 37



Sea Level = Present-day  
Kimmeridgian-Oxfordian SSB

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Middle Jurassic  
Bajocian & Bathonian  
169.7 Ma

Map 37



Sea Level +40m  
Maximum Flooding Surface

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Mollweide Projection



Middle Jurassic  
Aalenian  
173.6 Ma

Map 38



Sea Level = Present-day  
Bathonian-Bajocian SSB

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Early Jurassic  
Toarcian  
179.3 Ma

Map 39



Sea Level = Present-day  
Toarcian Supersequence Boundary

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Early Jurassic  
Toarcian  
179.3 Ma

Map 39



Sea Level +40m  
Maximum Flooding Surface

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Early Jurassic  
Pliensbachian  
186.3 Ma

Map 40



Sea Level +40m  
Maximum Flooding Surface

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Early Jurassic  
Sinemurian  
193 Ma

Map 41



Sea Level +40m  
Transgressive Systems Track

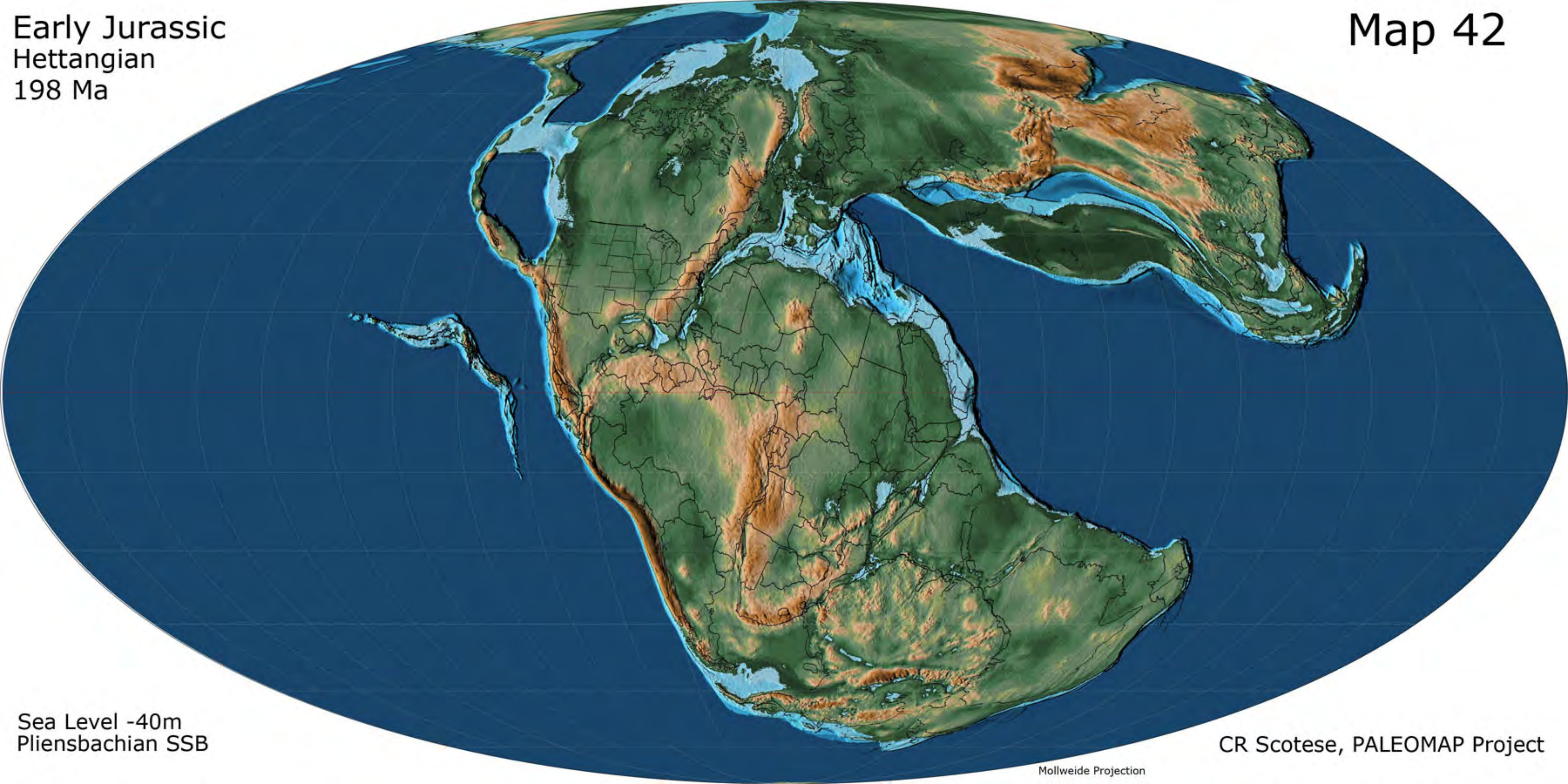
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Early Jurassic  
Hettangian  
198 Ma

Map 42



Sea Level -40m  
Pliensbachian SSB

CR Scotese, PALEOMAP Project

Mollweide Projection