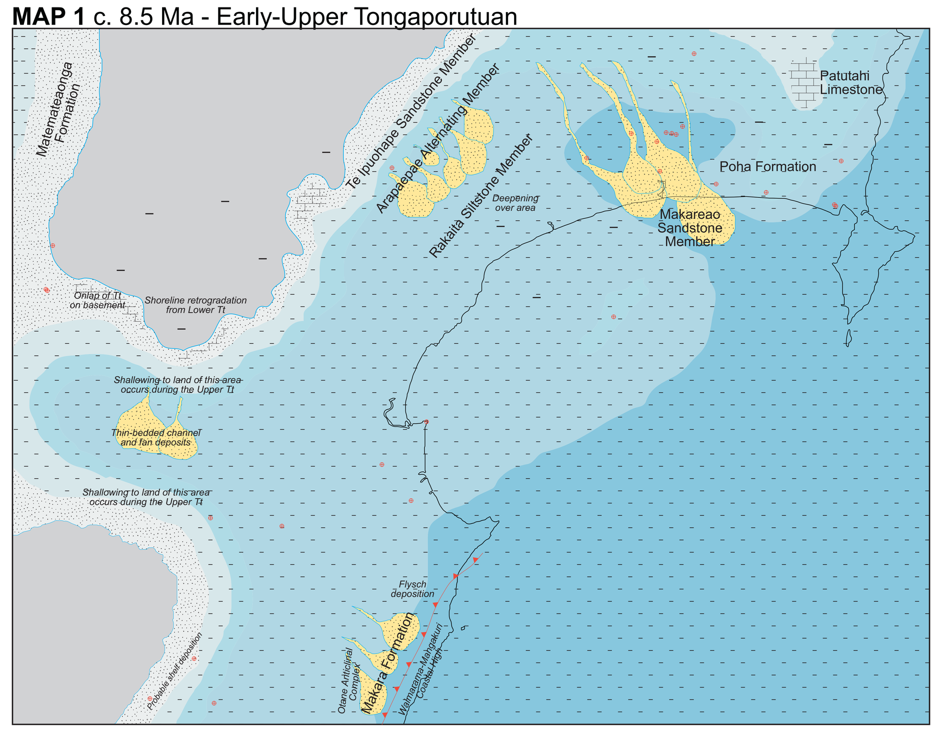
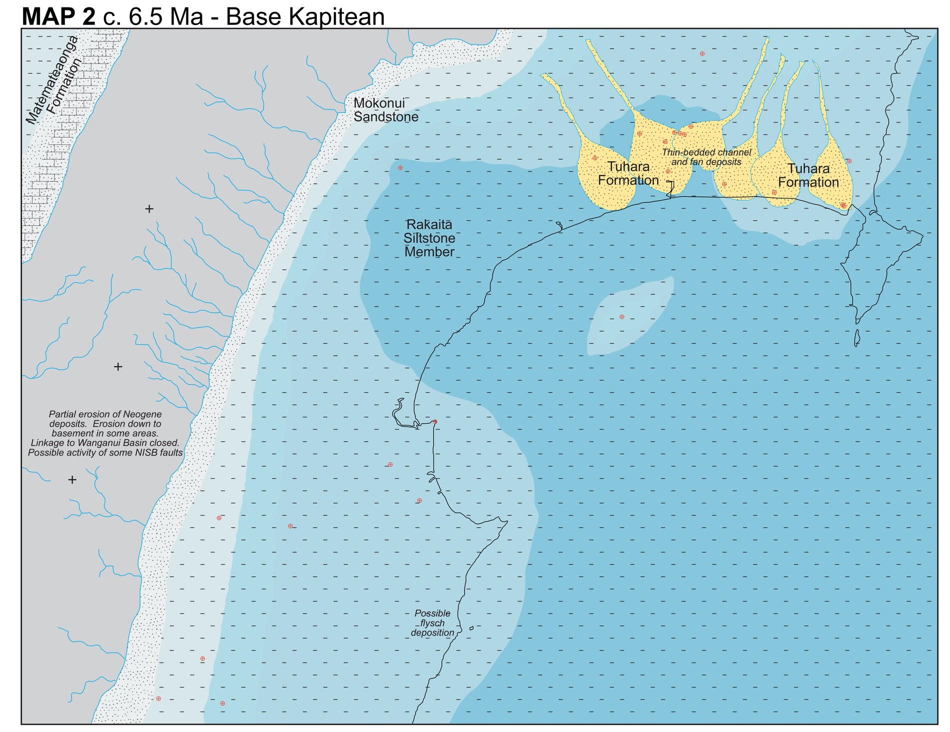
Figure 5: Paleogeographic Maps for the Late Miocene - Early Pleistocene forearc basin succession, central Hawke's Bay

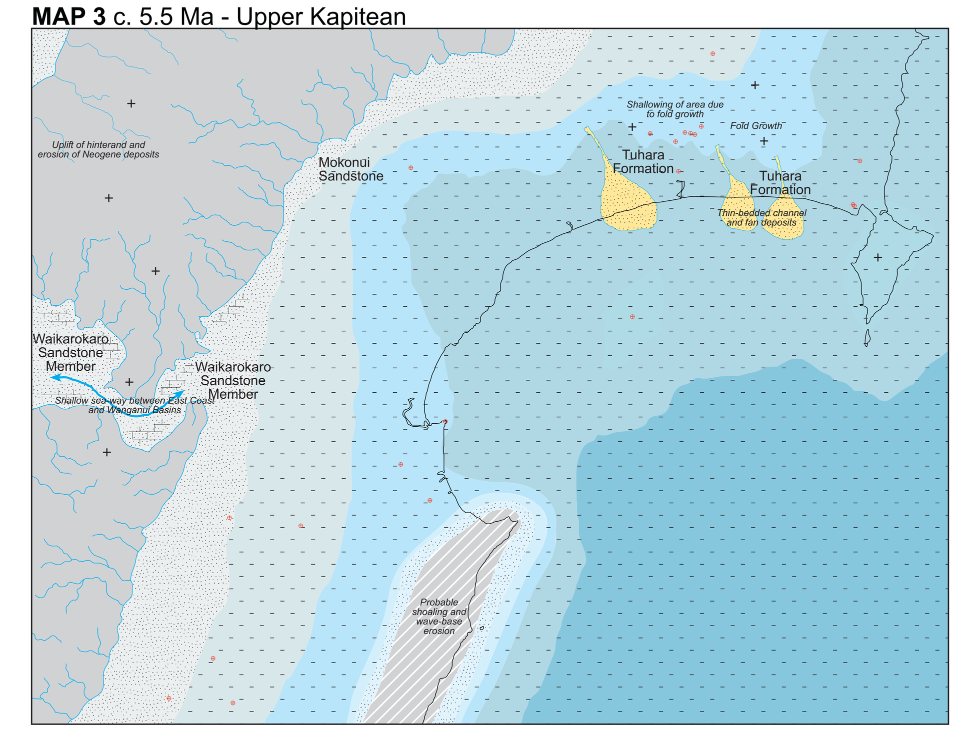
MAP 1 c. 8.5 Ma - Early-Upper Tongaporutuan



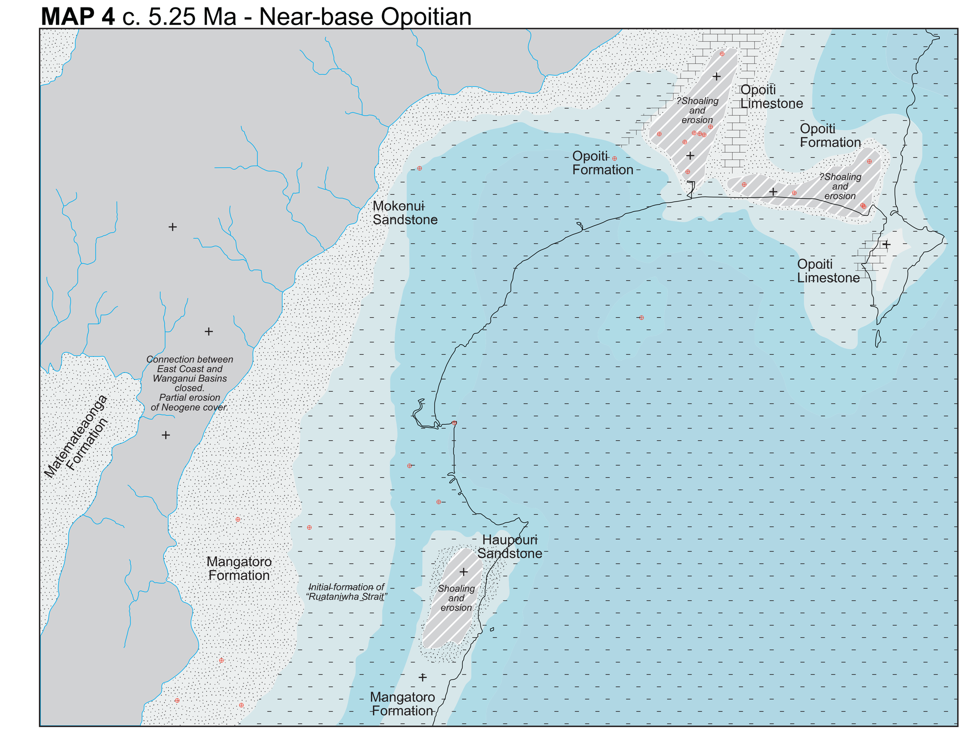
MAP 2 c. 6.5 Ma - Base Kapitean



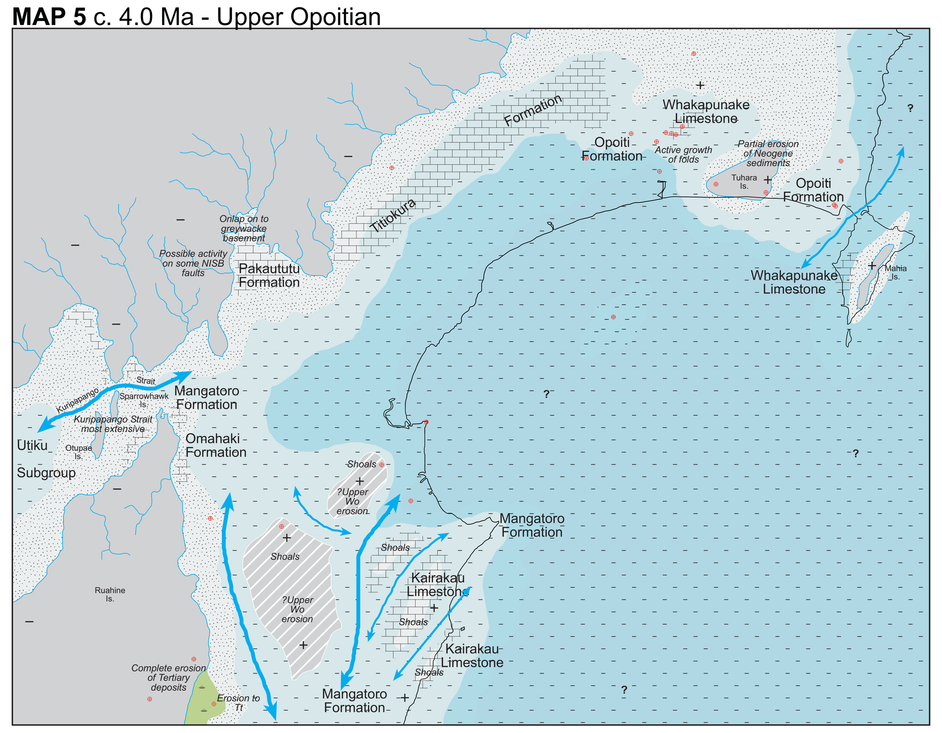
MAP 3 c. 5.5 Ma - Upper Kapitean



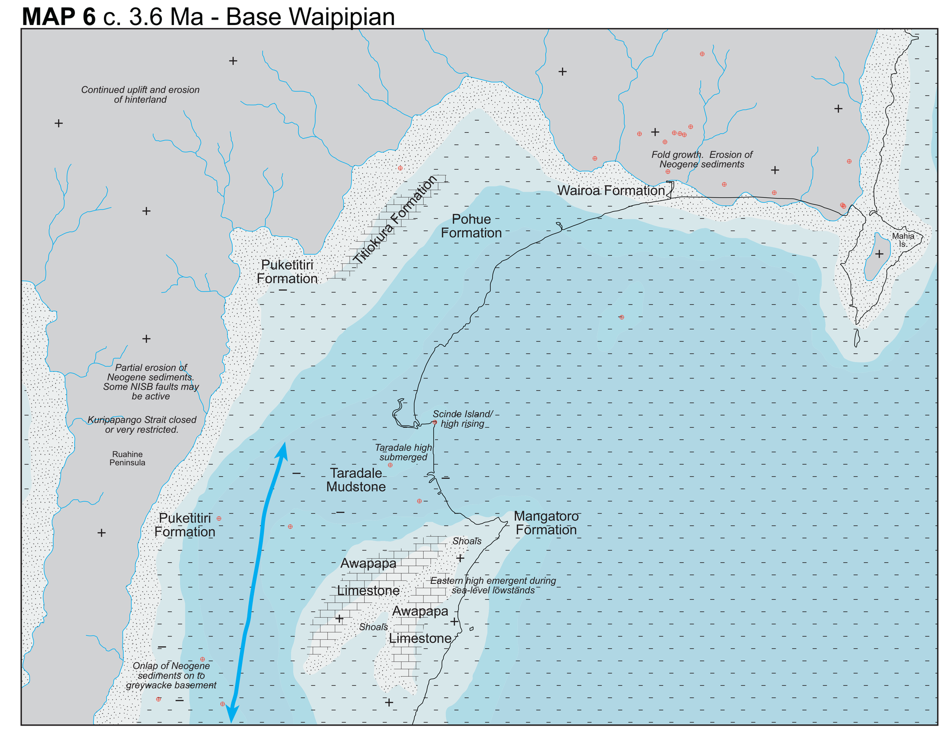
MAP 4 c. 5.25 Ma - Near-base Opoitian



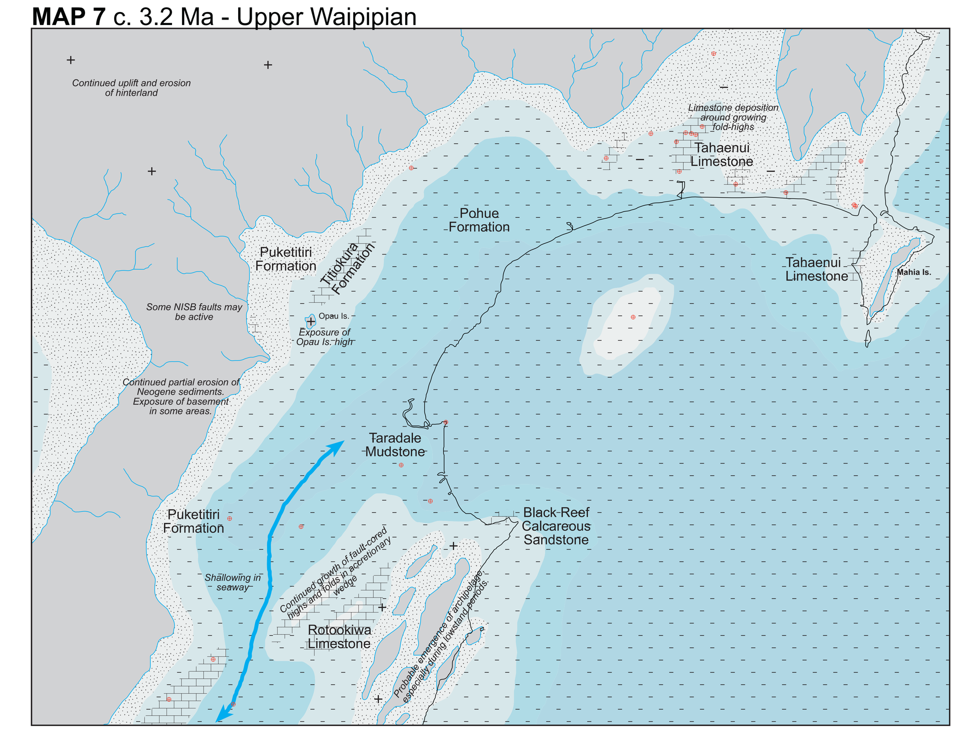
MAP 5 c. 4.0 Ma - Upper Opoitian



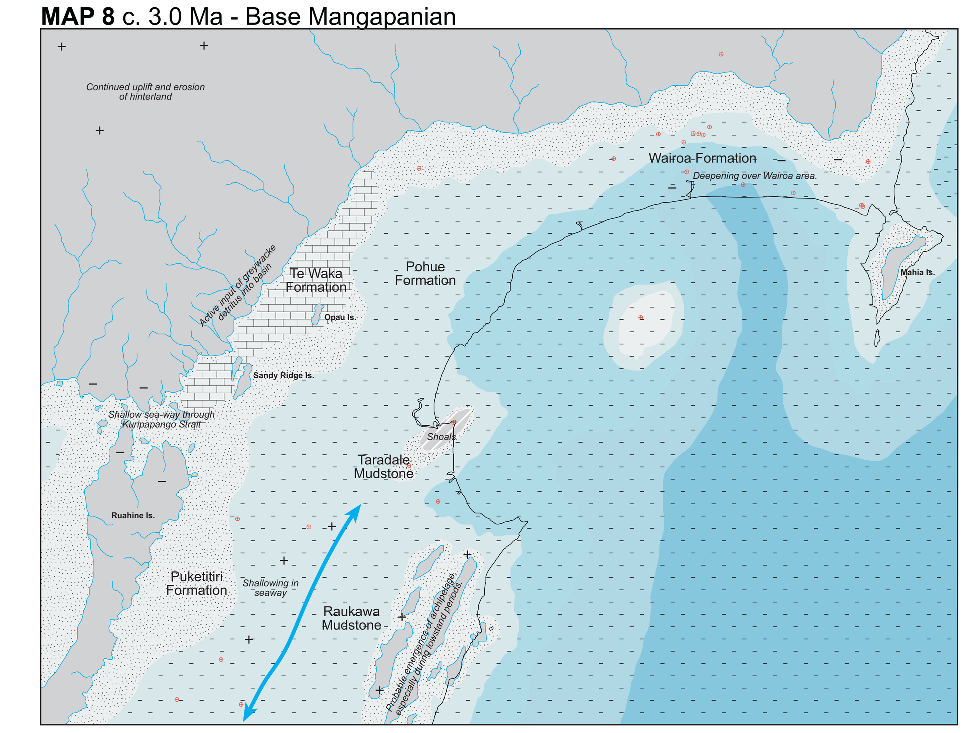
MAP 6 c. 3.6 Ma - Base Waipipian



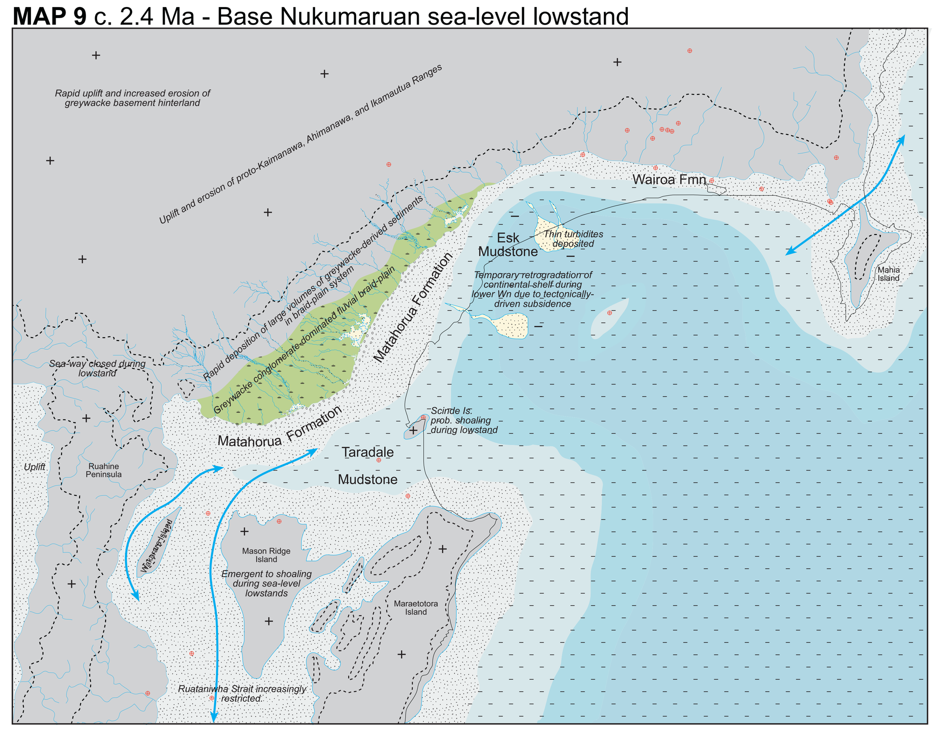
MAP 7 c. 3.2 Ma - Upper Waipipian



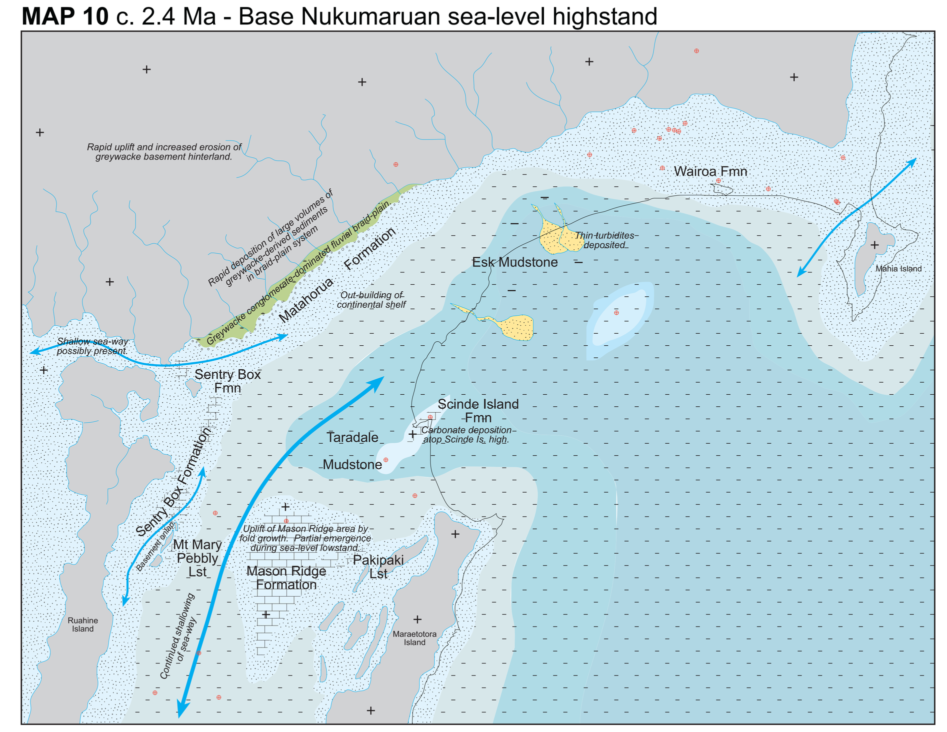
MAP 8 c. 3.0 Ma - Base Mangapanian



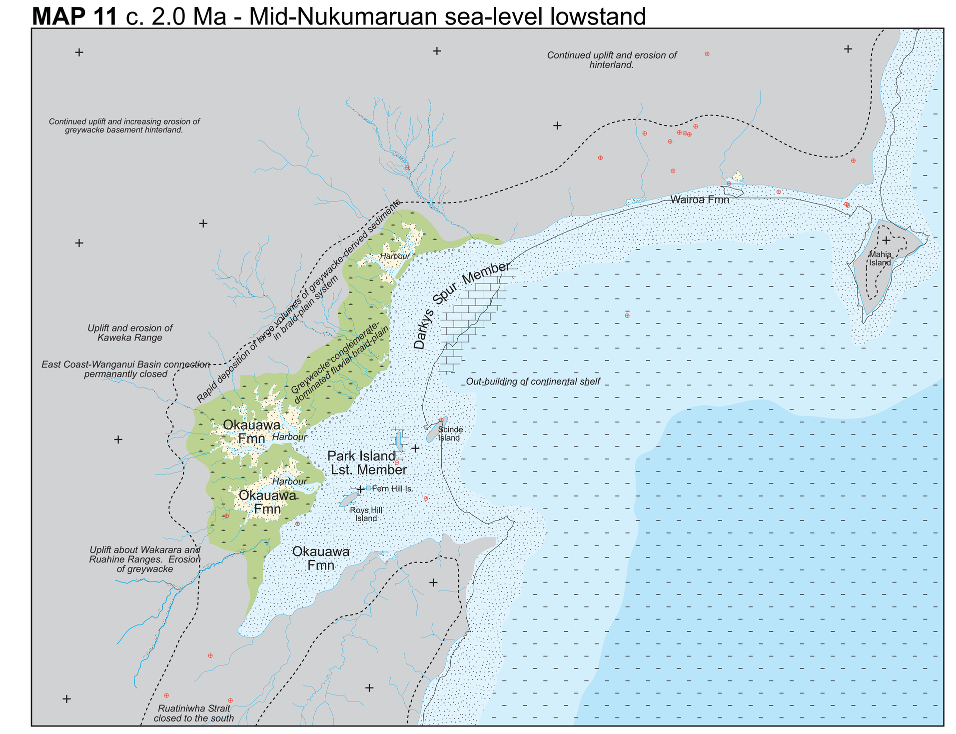
MAP 9 c. 2.4 Ma - Base Nukumaruan sea-level lowstand



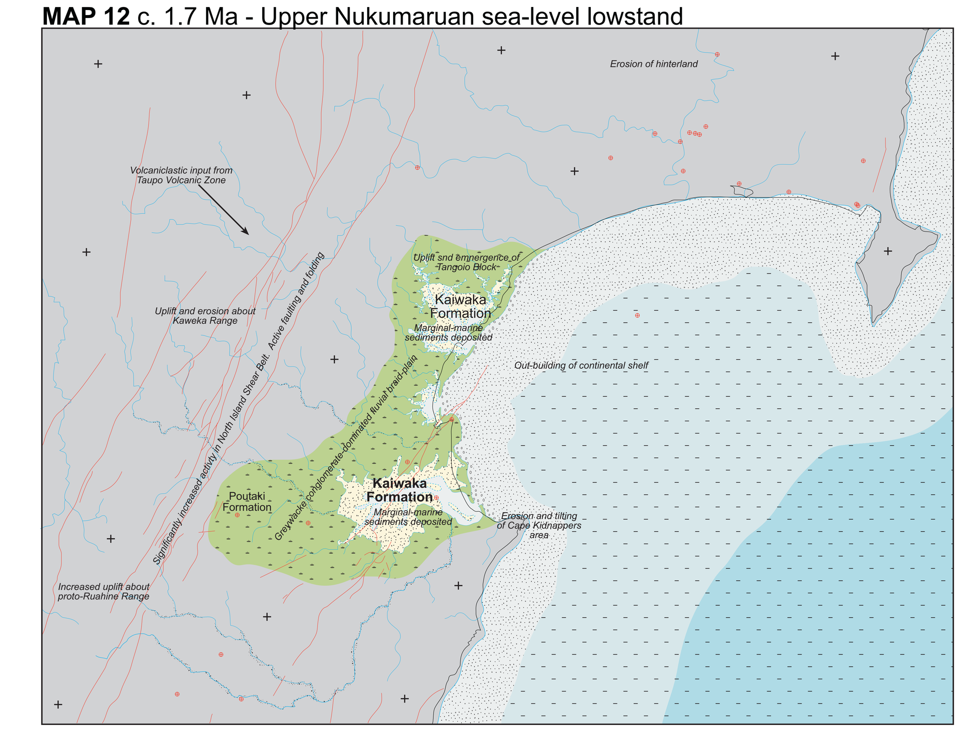
MAP 10 c. 2.4 Ma - Base Nukumaruan sea-level highstand



MAP 11 c. 2.0 Ma - Mid-Nukumaruan sea-level lowstand



MAP 12 c. 1.7 Ma - Upper Nukumaruan sea-level lowstand



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Enclosure One
Paleogeographic Maps
K.J. Bland, P.J.J. Kamp, and C.S. Nelson 2008

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LEGEND

- Non deposition
- Possible erosion
- Non-marine deposition
- Shoreface, inner shelf (c. 0-50 m)
- Middle shelf (c. 50-100 m)
- Outer shelf (c. 100-200 m)
- Upper bathyal (c. 200-400 m)
- Sand
- Bioclastic
- Sandy silt
- Silt, mud
- Conglomerate
- ⊕ Petroleum well
- \+ General uplift
- – General subsidence
- Inferred highstand shoreline
- Submarine fan/channel system
- River
- Active fault
- Modern coastline
- General current direction

NOTES ABOUT THESE PALEOGEOGRAPHIC MAPS

Although based on available data, the positions of rivers, estuaries, and harbours on these maps are inferred and are present for illustrative purposes. These maps have been constructed with all areas fixed, and paleogeography is depicted relative to the modern coastline. No allowance has been made for lateral displacment or structural block rotations.

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Figure 5
Paleogeographic Maps

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