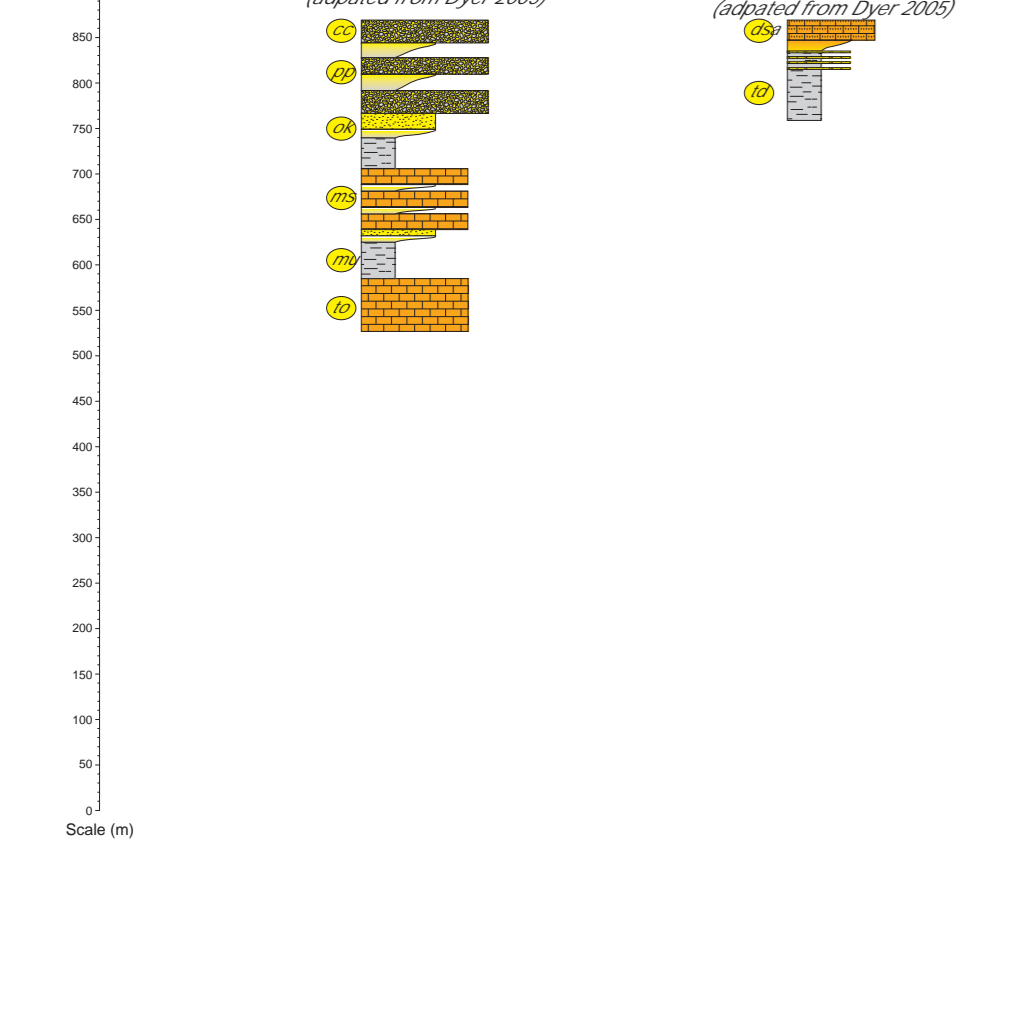
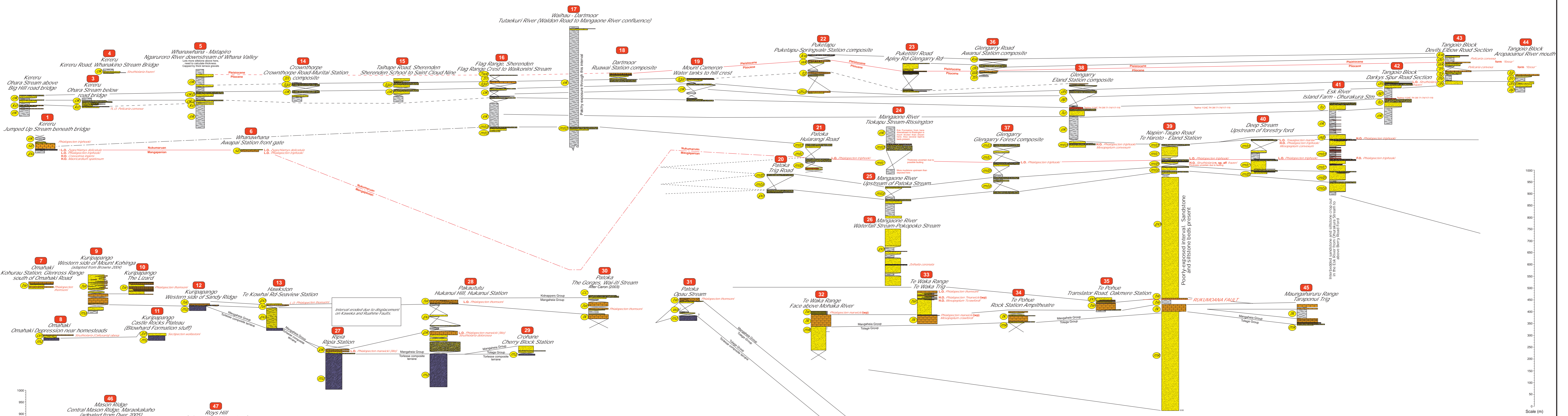


Enclosure 2 - Stratigraphic Correlations  
Mangaheia Group simplified composite stratigraphic columns

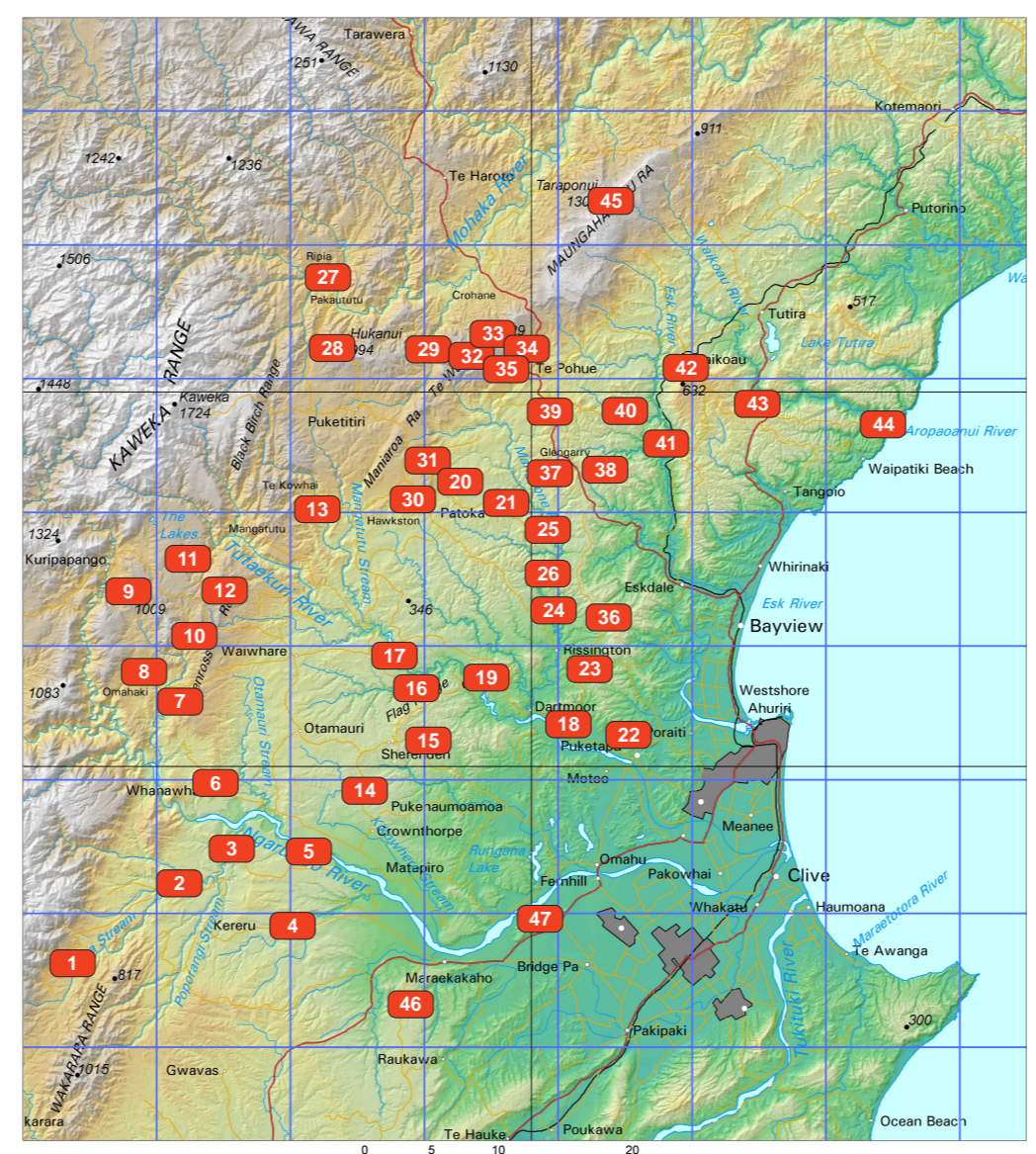


**Key to geological unit codes**

- Kidnappers Group
- Pouaki Formation
- Okauwā Formation
- Whakamau Member
- Kikohā Member
- Kereu Formation
- Sentry Box Formation
- Kawaka Formation
- Devils Elbow Mudstone Member
- Waipaki Limestone Member
- Te Ngāru Mudstone Member
- Flag Range Conglomerate Member
- Rangio Limestone Member
- Mairau Mudstone Member
- Park Island Limestone Member
- Darksy Spur Member
- Aopouani Mudstone Member
- Tutua Member
- Esk Mudstone
- Taradale Mudstone
- Waipunga Formation
- Grassy Knoll Conglomerate Member
- Papaki Member
- Trelinoe Member
- Deep Stream Member
- Pohue Formation
- Te Waka Formation
- Tikokura Formation
- Mokorū Sandstone
- Pukekiri Formation
- Mangapora Formation
- Blowhard Formation
- Rakaita Siltstone Member
- Aurora Alternating Member
- Te Ipouape Sandstone Member
- Tarawera Limestone Member
- Mason Ridge Formation
- Makaretu Mudstone
- Te Onopu Limestone
- Undifferentiated Tollesse composite terrane

**Lithology**

- Basement
- Sandstone
- Silty sandstone
- Limestone
- Sandy limestone
- Cross-bedded limestone
- Pebbly Limestone
- Shellbed
- Conglomerate
- Shelly conglomerate
- Volcaniclastic bed
- Calcareous sandstone



**Stratigraphic nomenclature summary**

Mason Ridge-Maraekakaho-Havelock North - Elsthorpe	Ohara Depression-Kereu	Sherenden-Matapiro	Kuripapango	Napier-Taradale	Pukekiri-Patoka	Mangapora River, Esk River, Waikoua River and Waikoua River
Salisbury Gravels Pouaki Formation Okauwā Formation Whakamau Member Kereu Formation Esk Mudstone Mount Mary Pebbly Lst. Sentry Box Formation Makaretu Mudstone Te Onopu Limestone Rotokeia Limestone Awapoua Limestone Taki Silt Limestone Kawaka Limestone	Salisbury Gravels Pouaki Formation Okauwā Formation Whakamau Member Kereu Formation Esk Mudstone Mount Mary Pebbly Lst. Sentry Box Formation Pukekiri Formation	Salisbury Gravels Pukekiri Lst. Mbr. Kawaka Formation Devils Elbow Mudstone Member Waipaki Limestone Member Te Ngāru Mudstone Member Flag Range Congl. Mbr. Mairau Mudstone Member Park Island Lst. Mbr. Pohue Formation	Te Waka Formation Mangapora Fm. Bowhard Formation Rakaita Siltstone Member Aurora Alternating Member Te Ipouape Sandstone Mbr.	Undifferentiated Mt. Grayson Taradale Mudstone Sentry Box Formation Te Waka Formation Mangapora Fm. Hauptul Sal. Wakere Formation	Te Waka Formation Pukekiri Formation Hauptul Sal. Wakere Formation	Undifferentiated Castles Hill gravels Kawaka Formation Devils Elbow Mudstone Member Waipaki Limestone Member Te Ngāru Mudstone Member Tangio Limestone Member Mairau Mudstone Member Darksy Spur Mbr./Stream Cong. Bed Aopouani Mudstone Member Tutua Member/Huatai Purine Mbr. Esk Mudstone Waipunga Formation Grassy Knoll Conglomerate Mbr. Papaki Member Trelinoe Member Pohue Formation Pohue Formation Pohue Formation Opaunui Member Bellford Bush Member Tarapoua Member Te Rangio Member Ngaunui Member Mokorū Sandstone Rakaita Siltstone Member Aurora Alternating Member Te Ipouape Sandstone Member Tarawera Limestone Member Te Hāroto Formation Kingma Peak Mudstone Member Aopouani Alternating Member Ngāwaka Sandstone Member Whakamau Formation