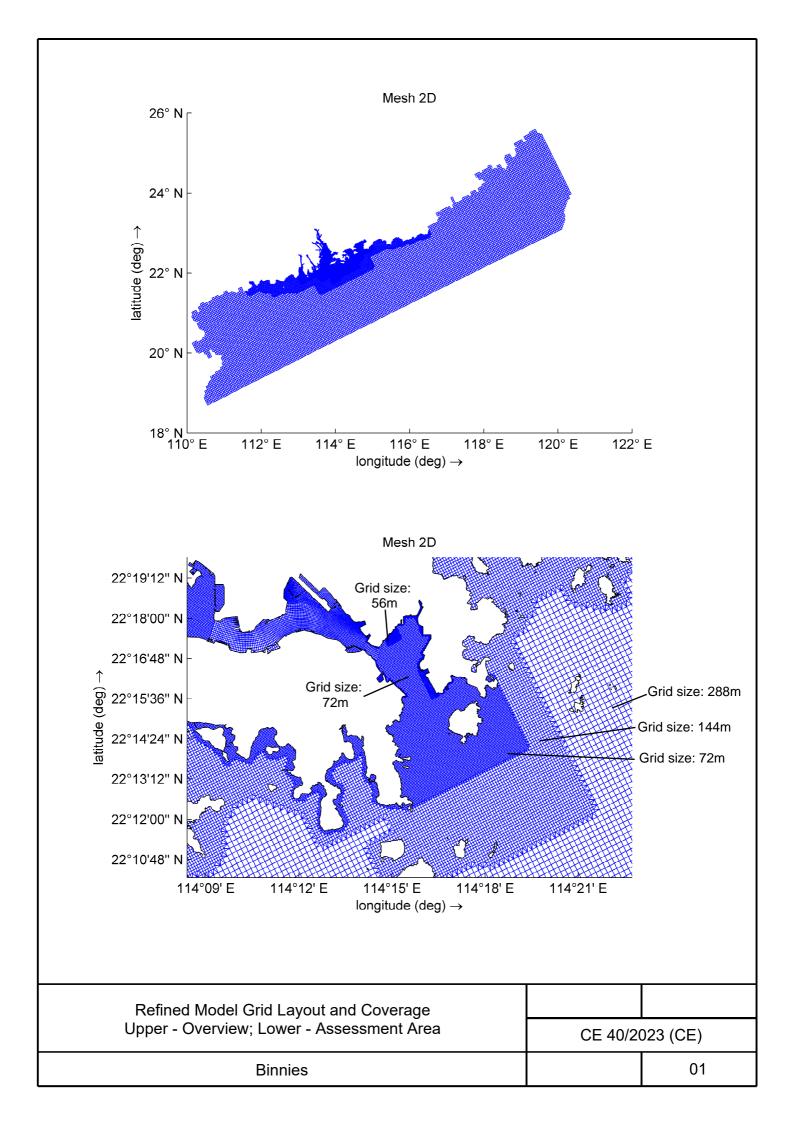
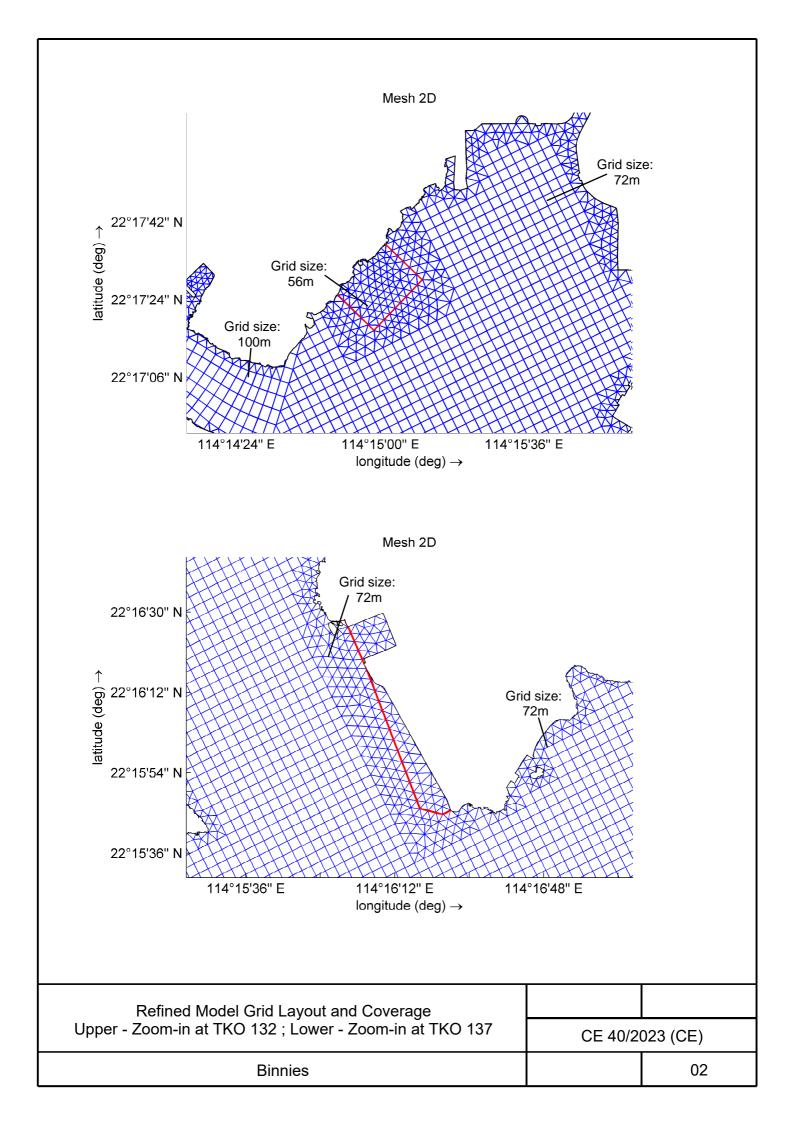
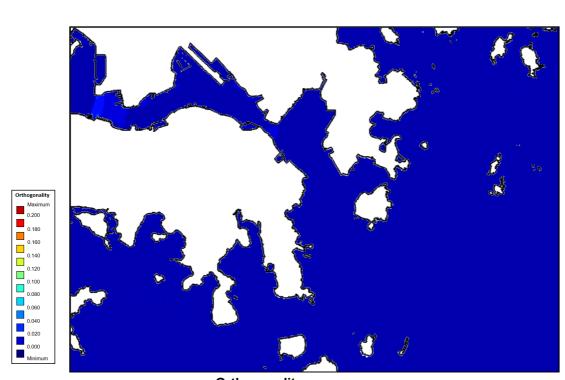
## Appendix 5.4

Refined Model Grid Layout, Properties and Performance Verifications



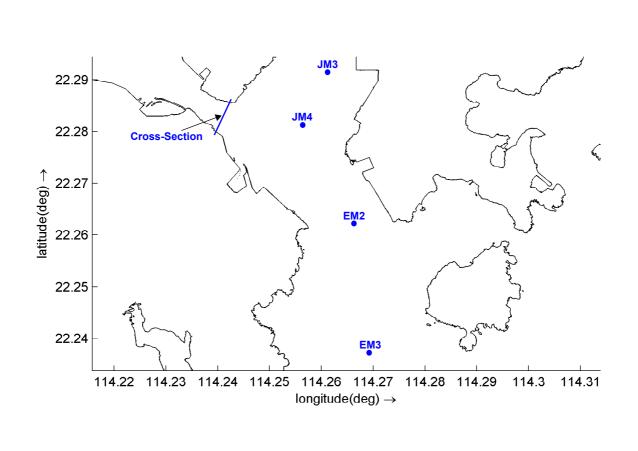




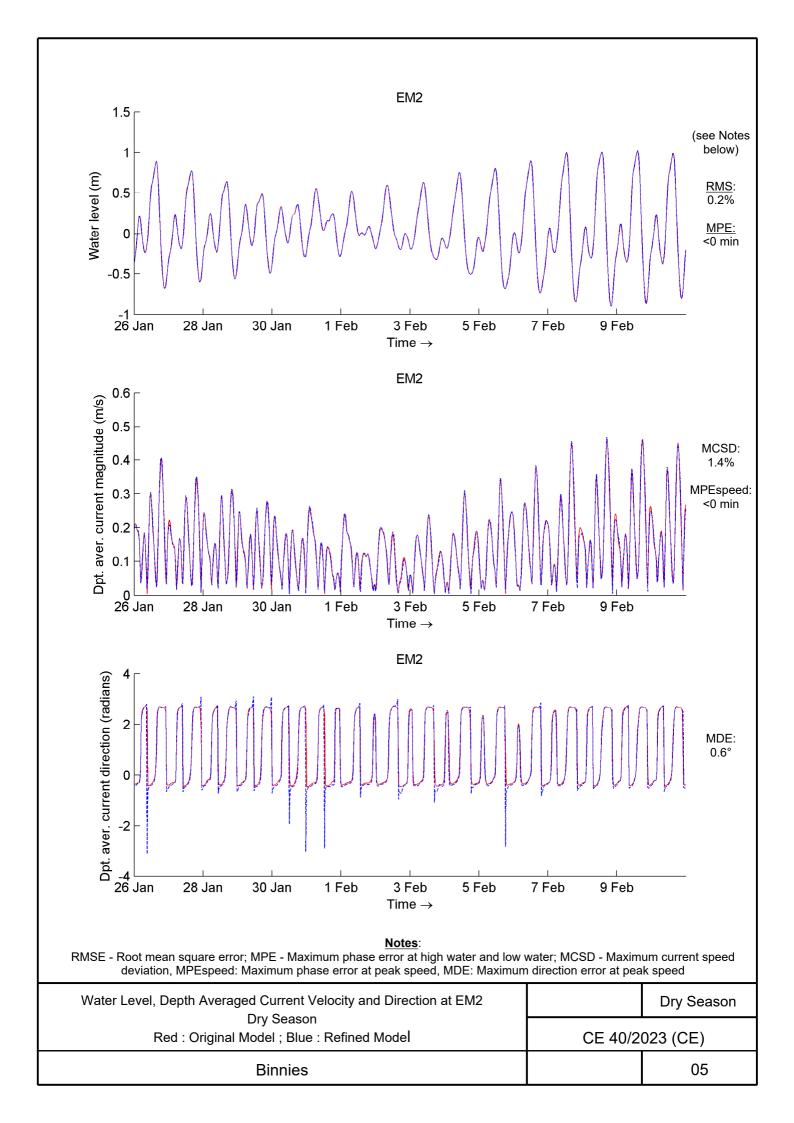


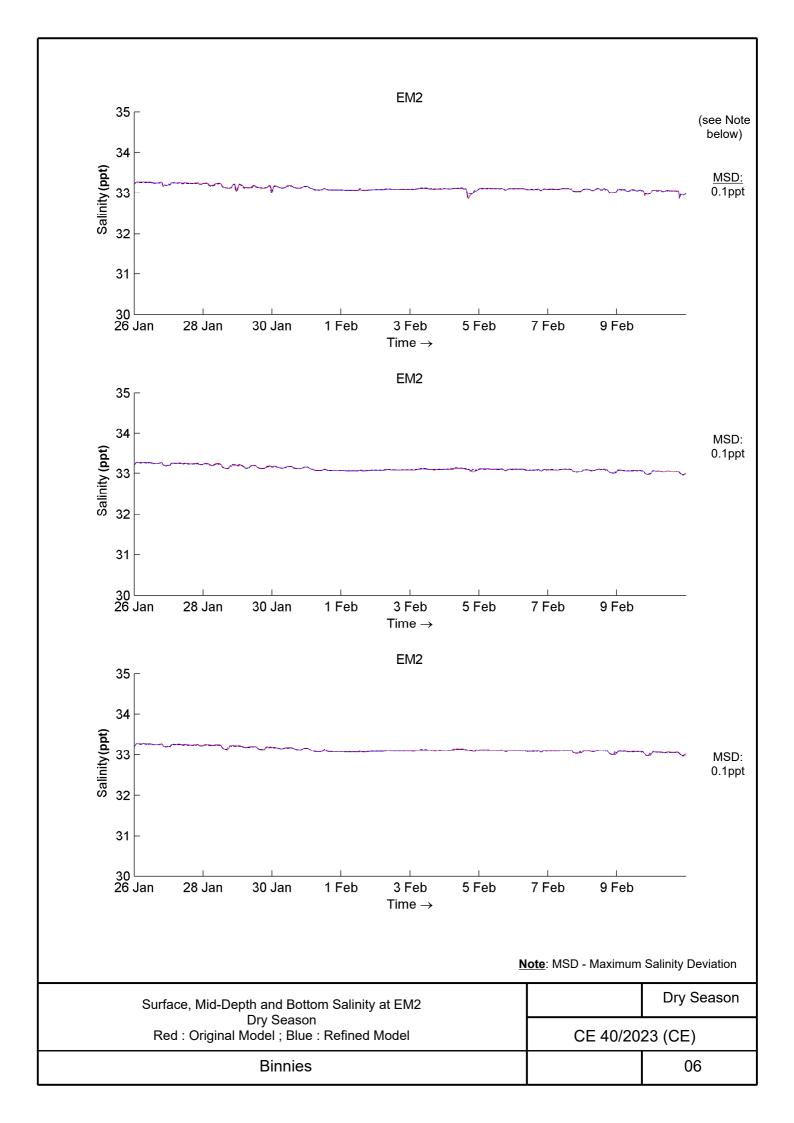
Orth	oge	ona	lity
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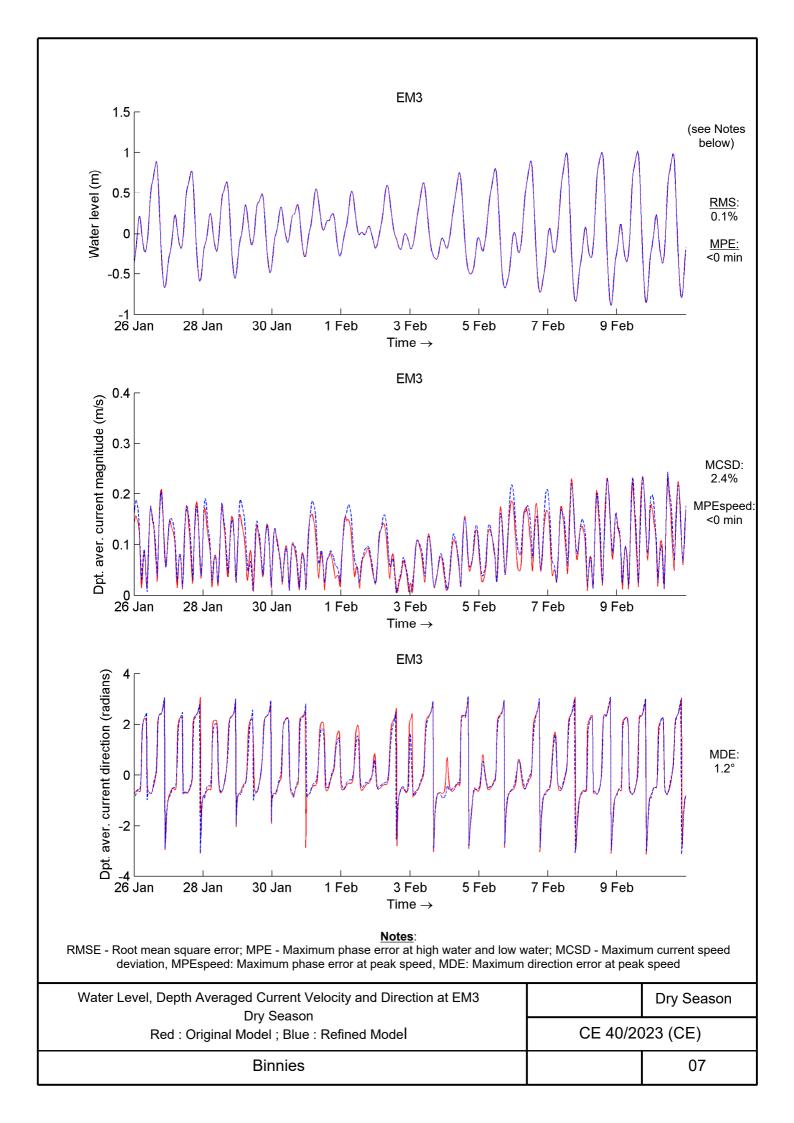
Madal Orid Branatics - Orthonorality		
Model Grid Properties - Orthogonality	CE 40/2023 (CE)	
Binnies		03

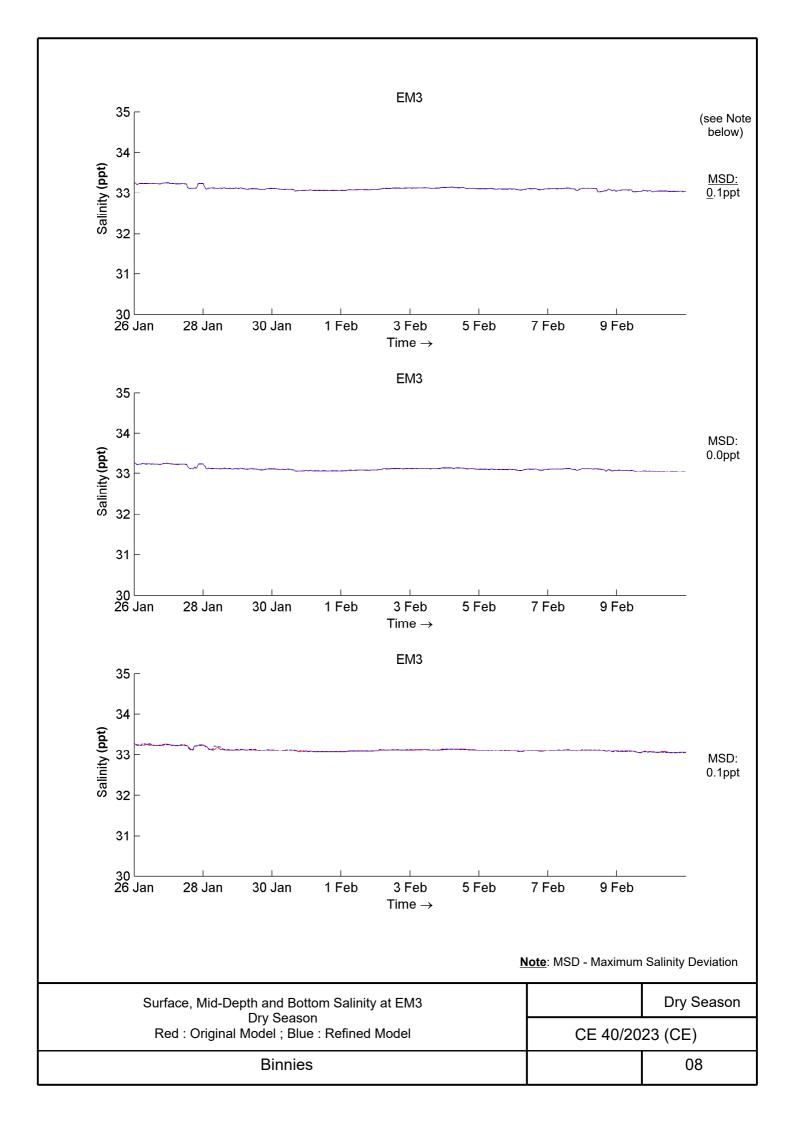


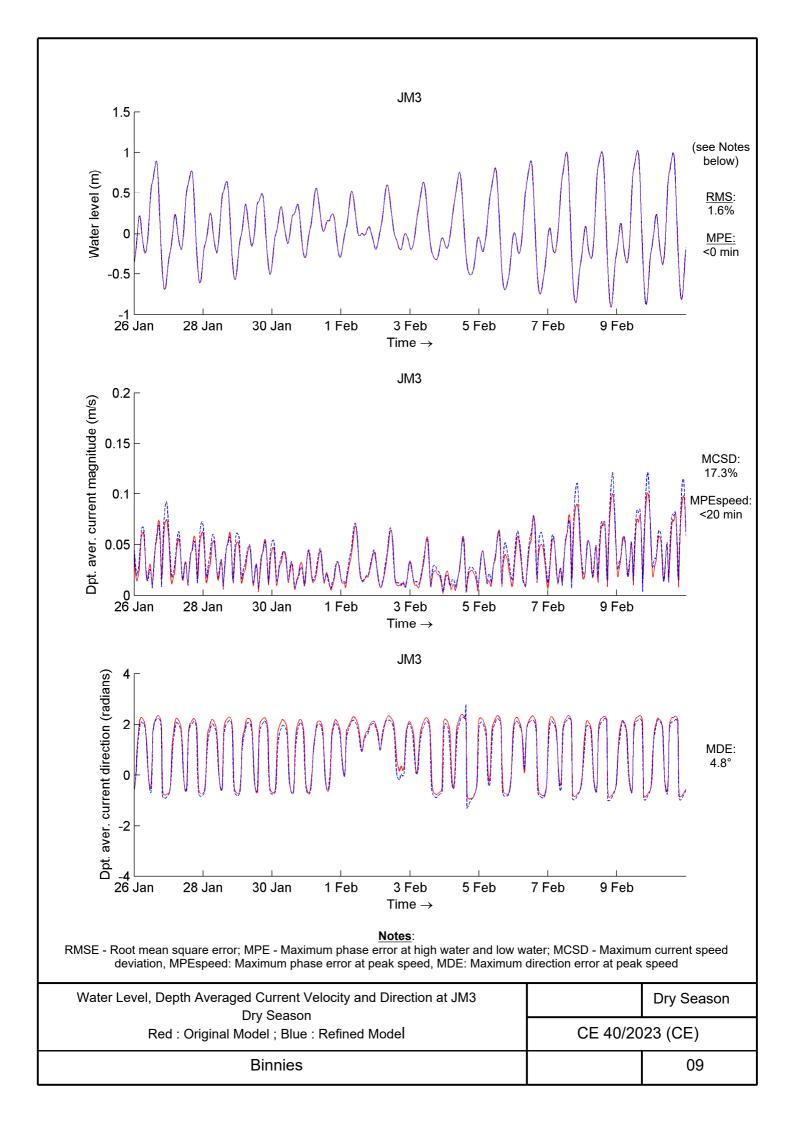
Locations of Indicator Points and Cross-Section		
Locations of indicator Points and Cross-Section	CE 40/2023 (CE)	
Binnies		04

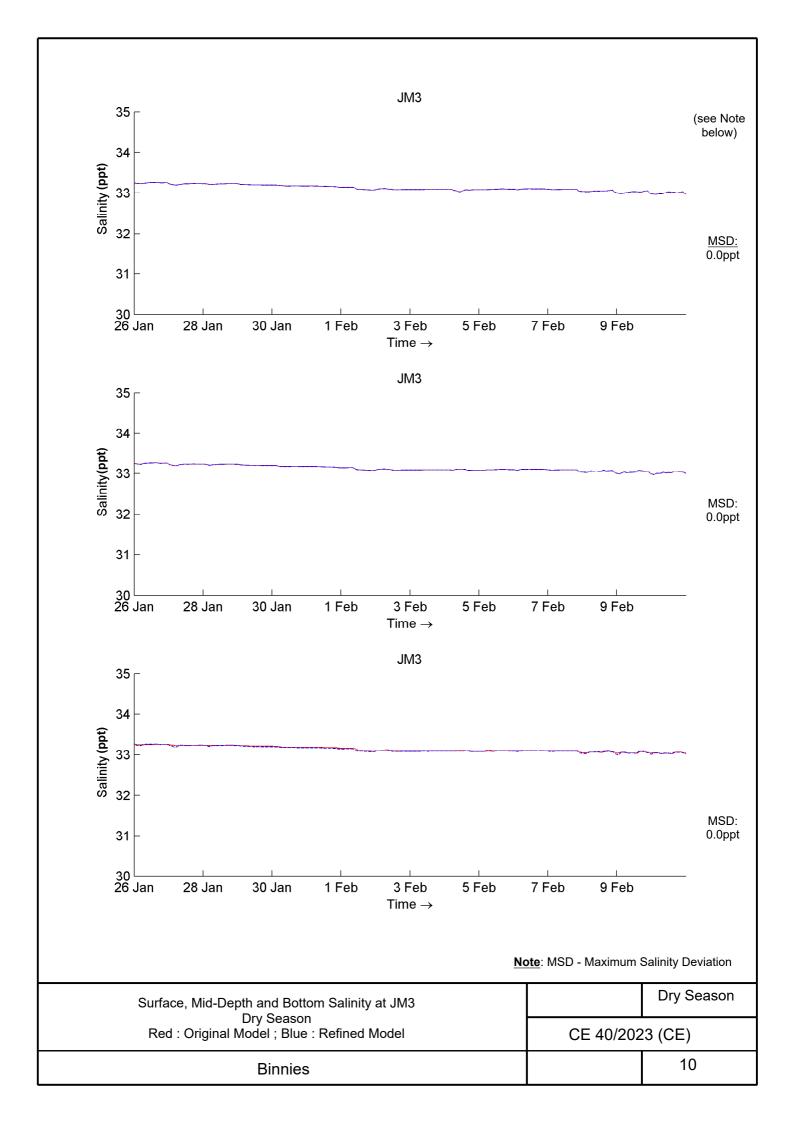


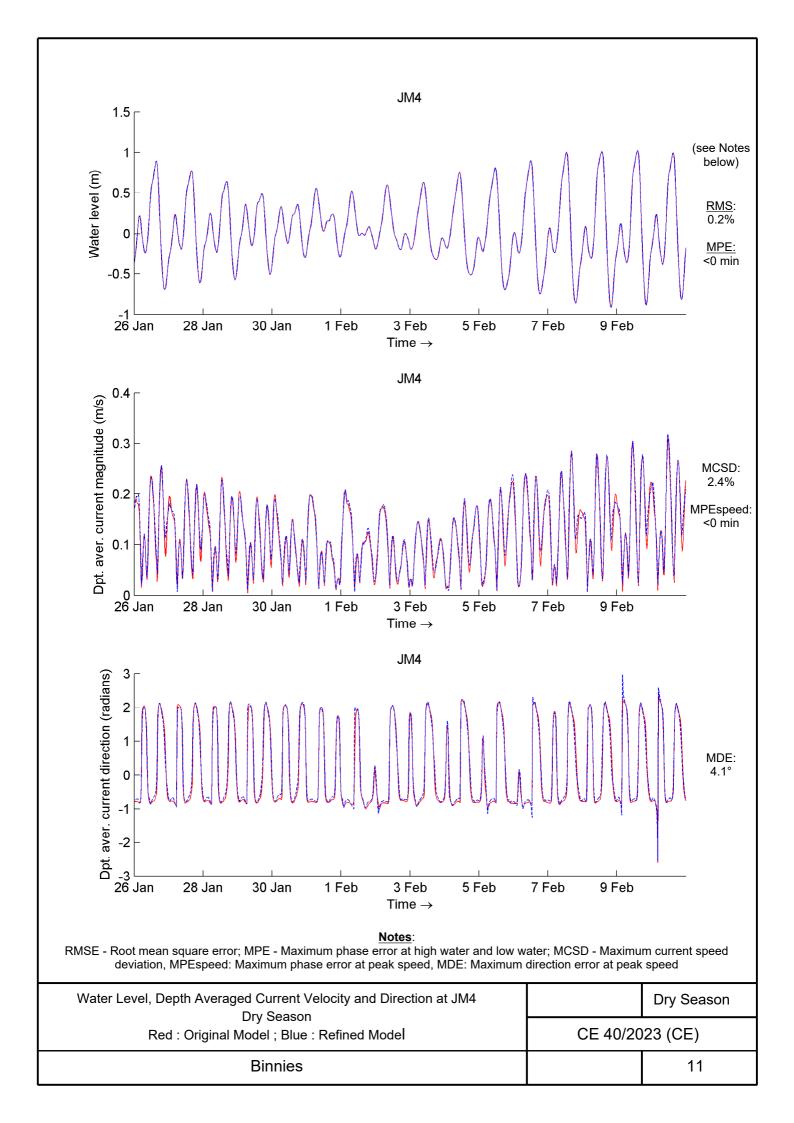


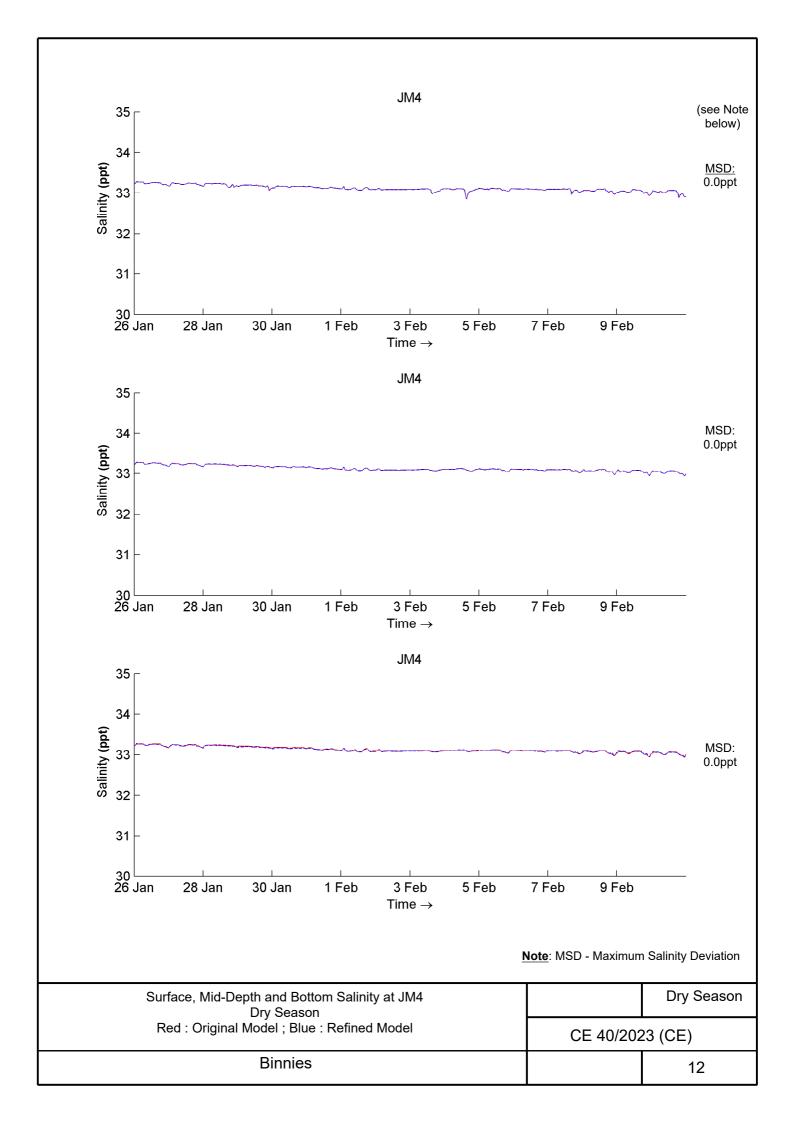


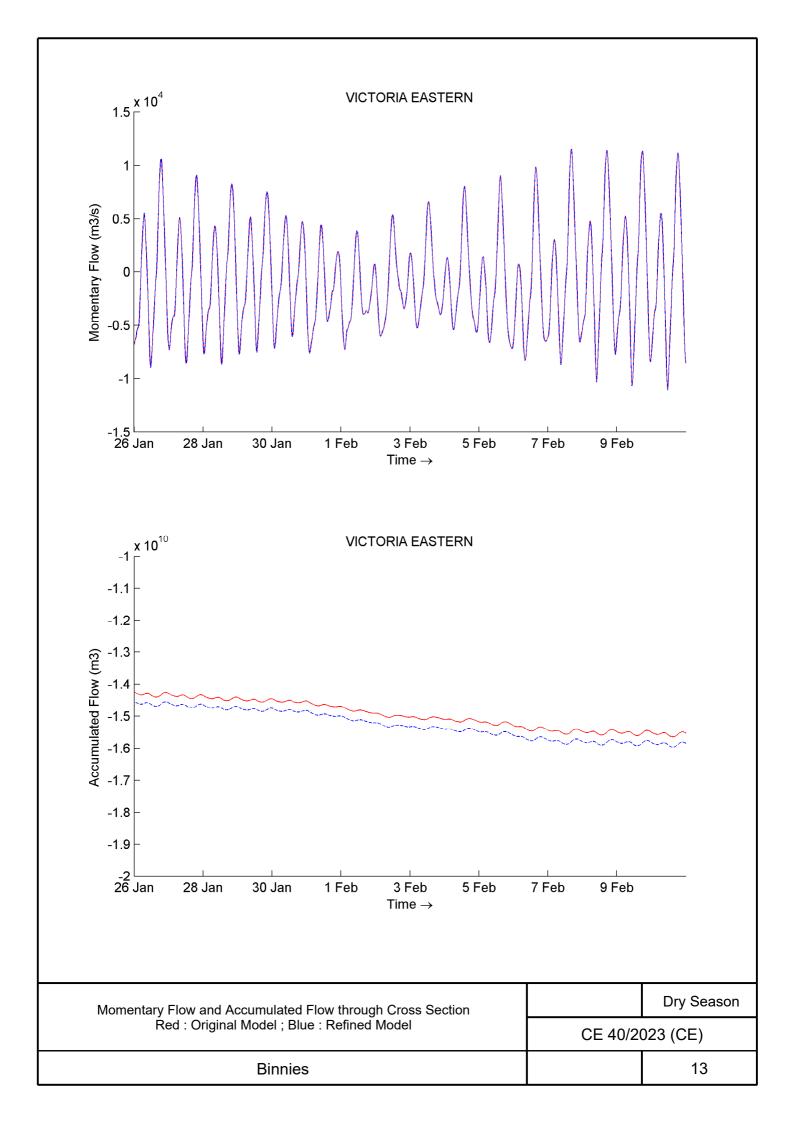


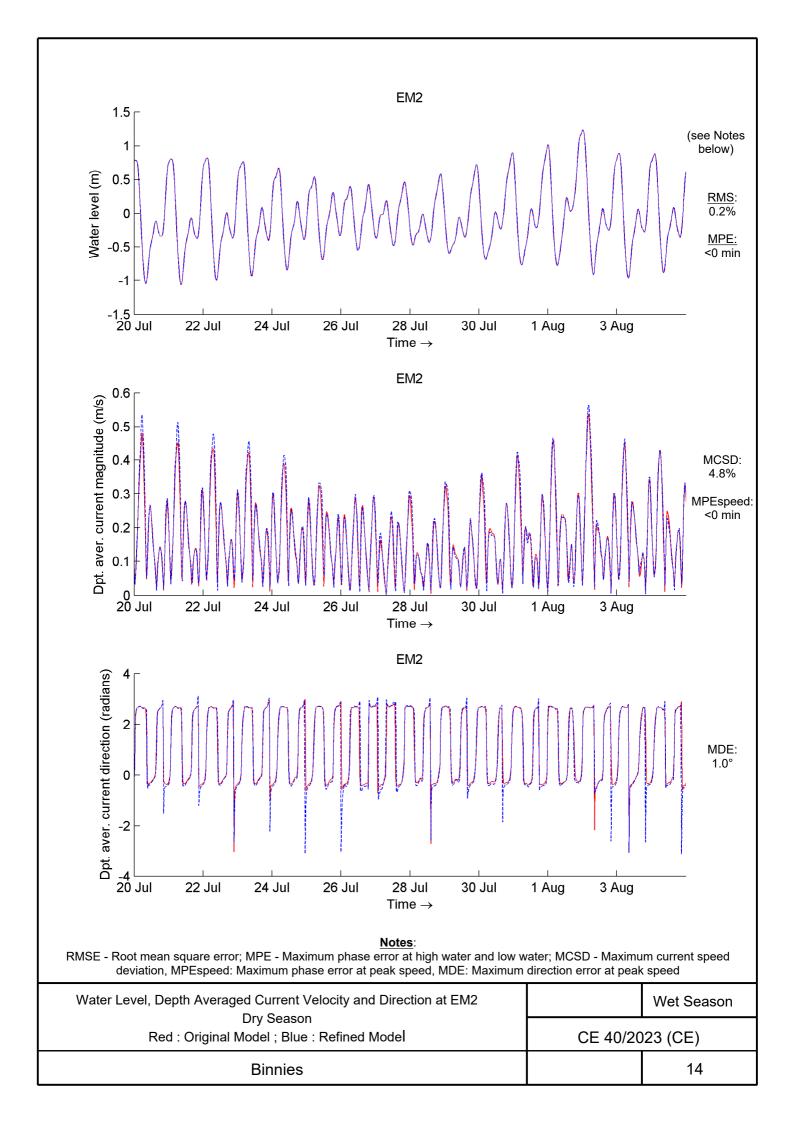


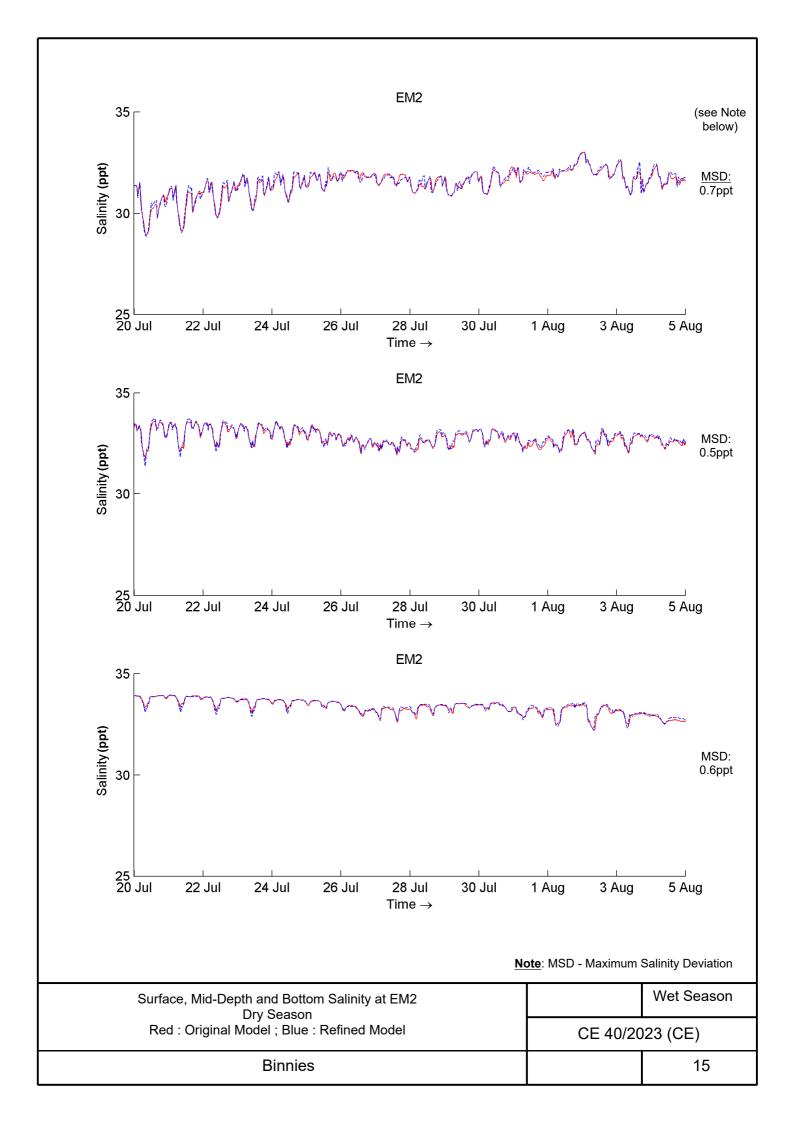


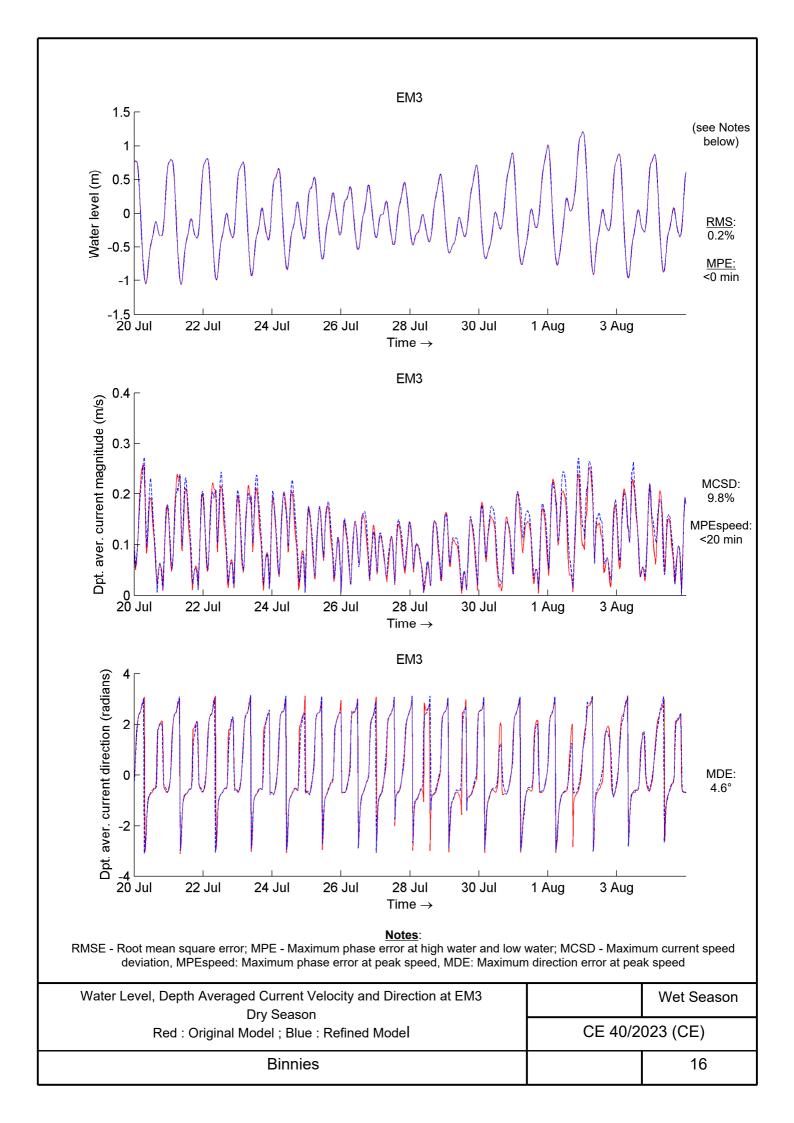


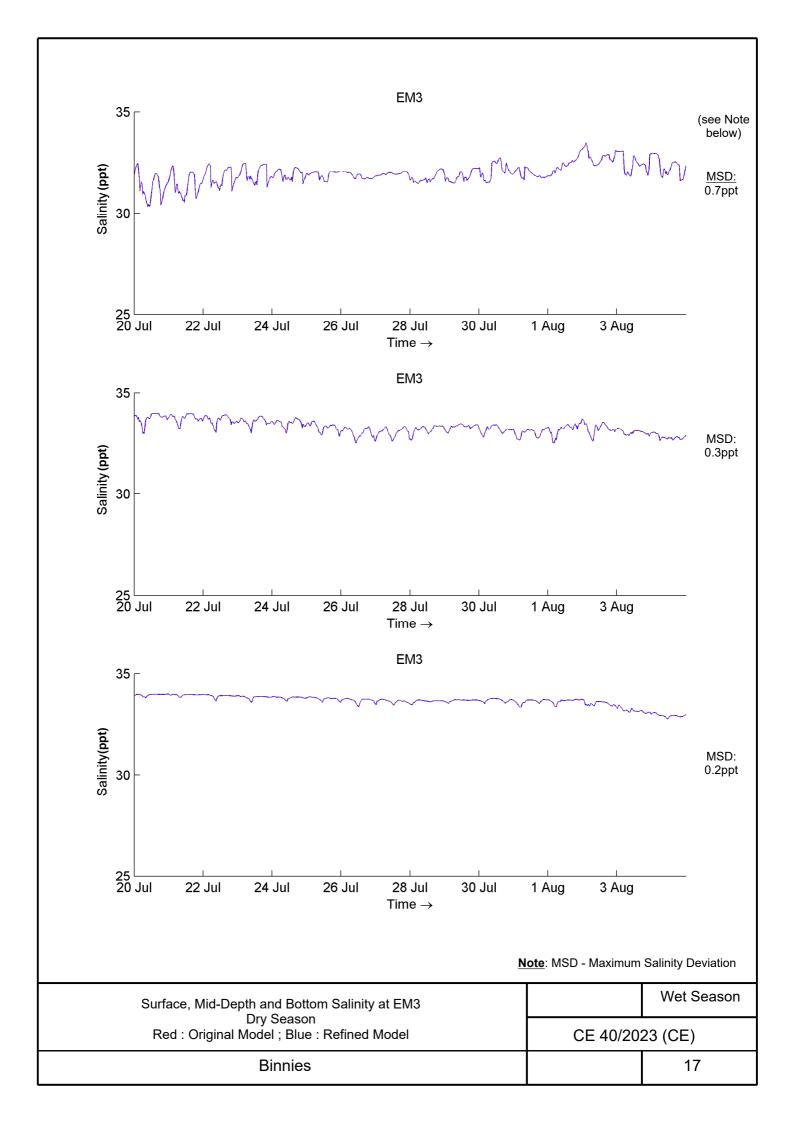


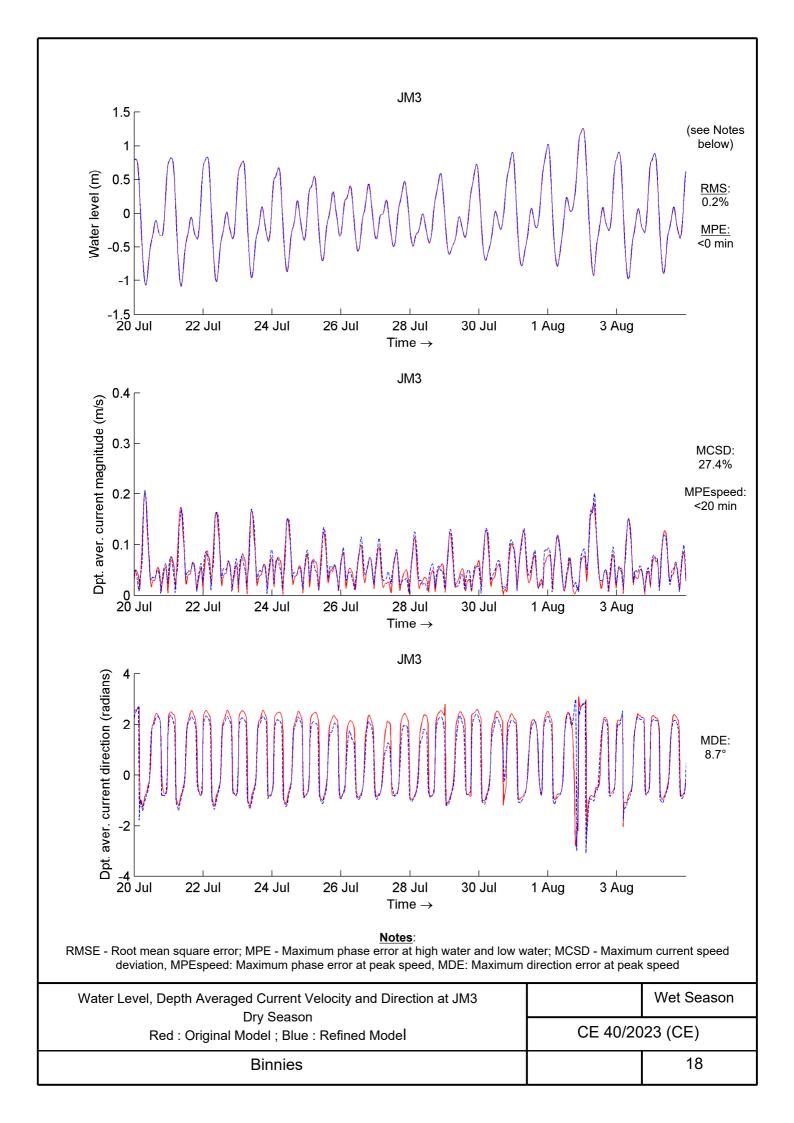


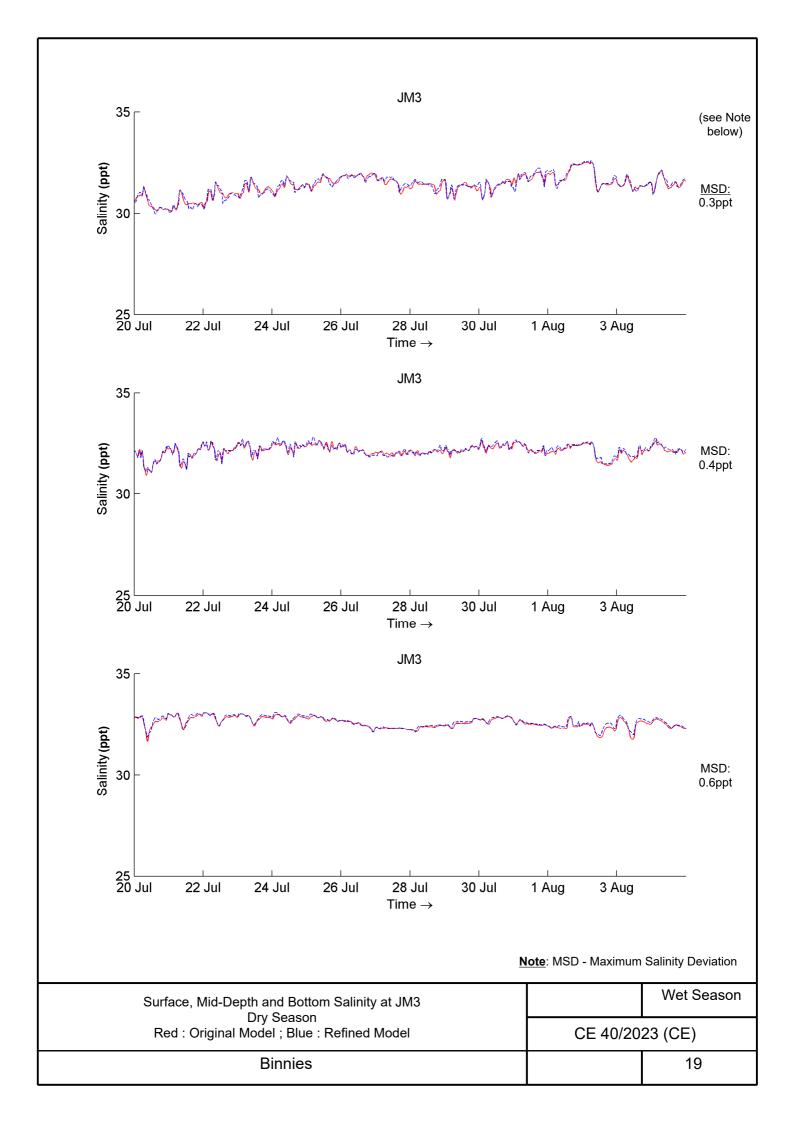


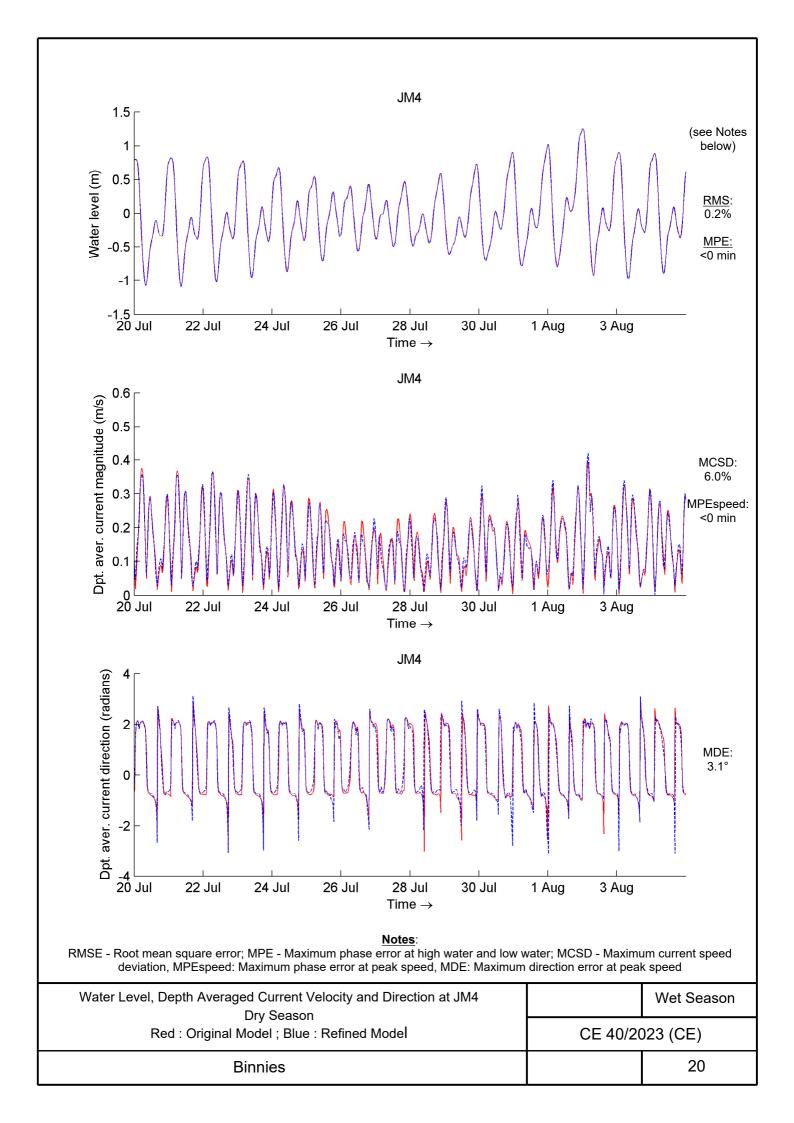


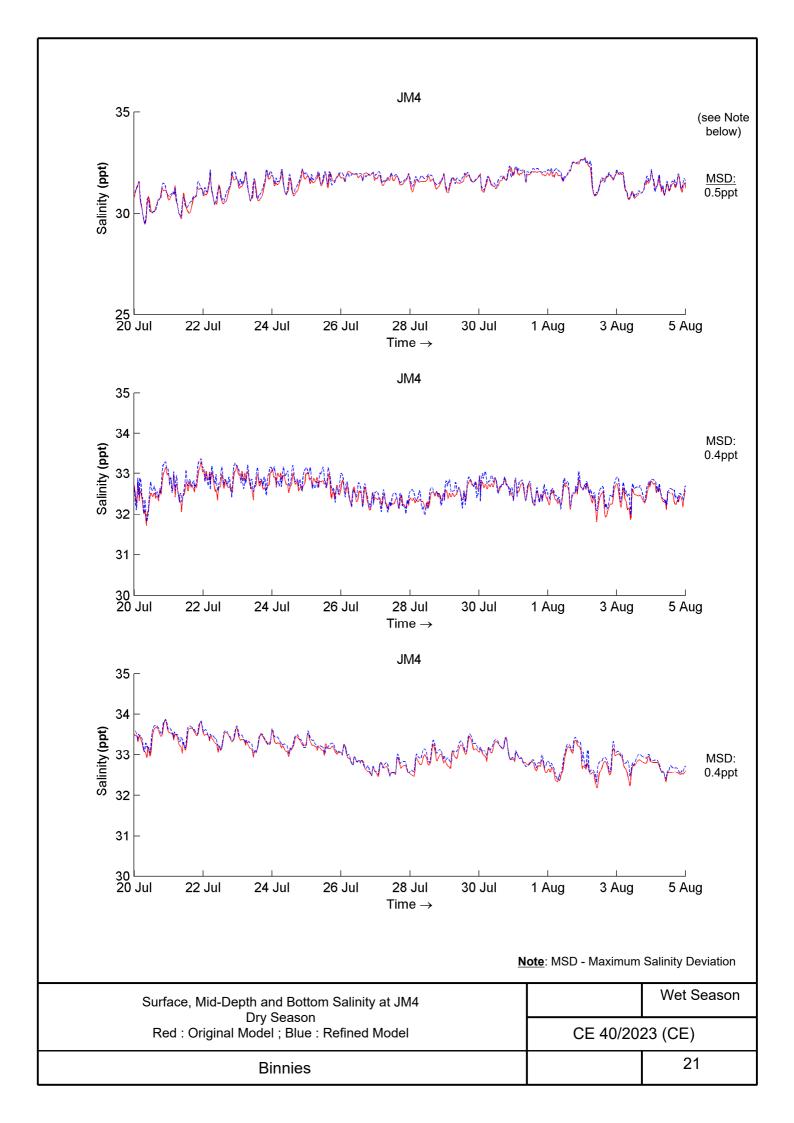


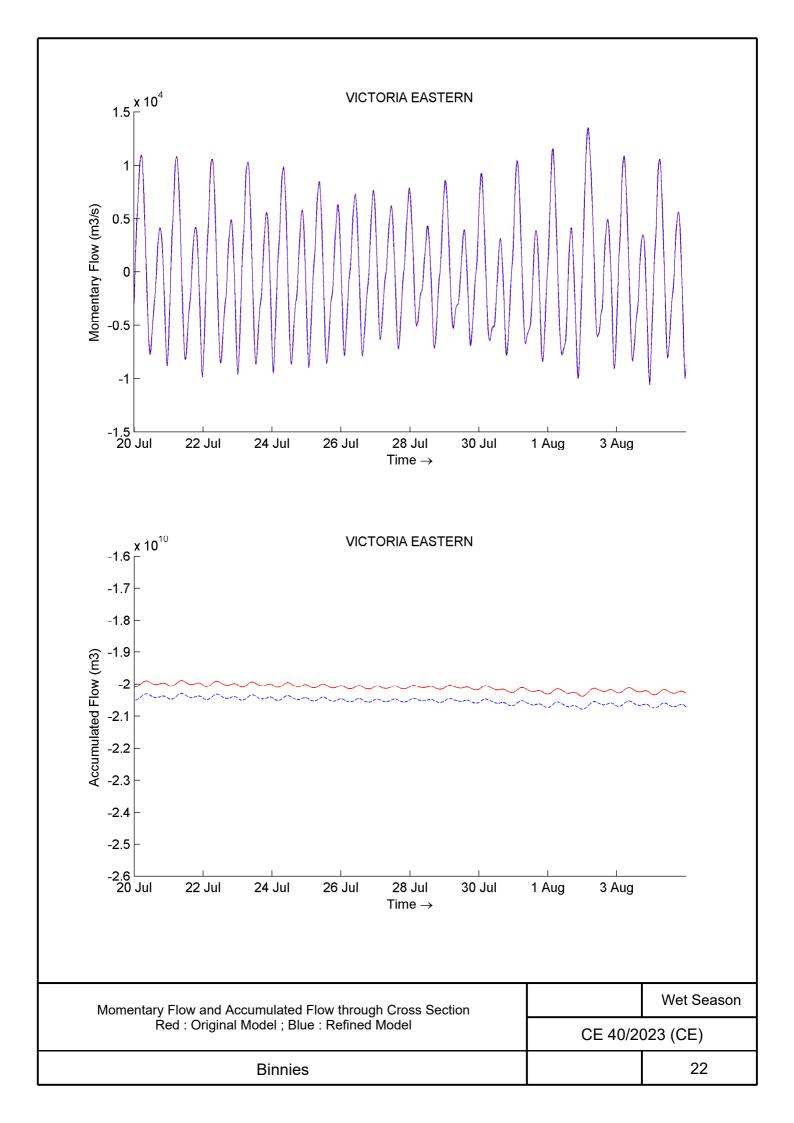






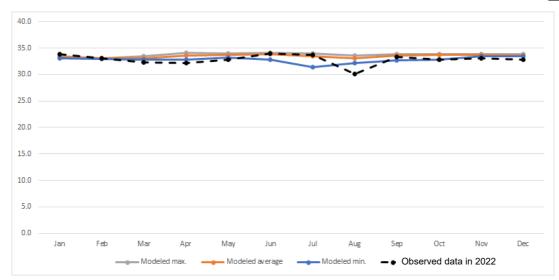


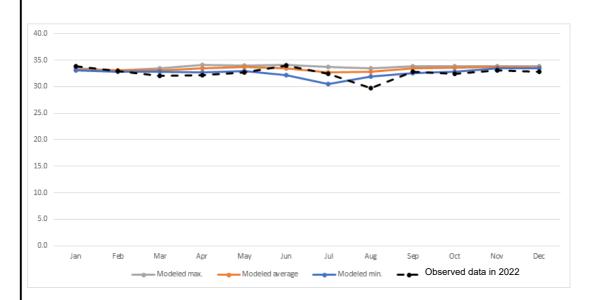


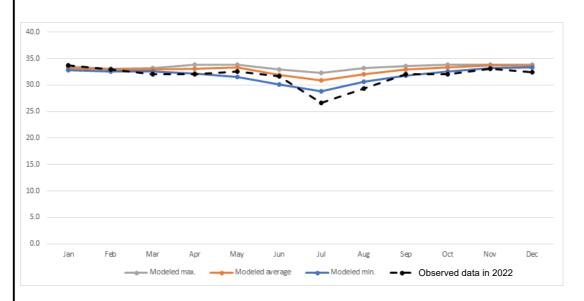


## **Data Interpretation**

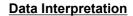
The observed data are within similar range of modelled data. The model performance is considered reasonable in terms of salinity prediction.



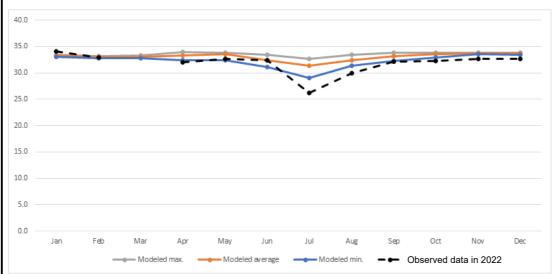


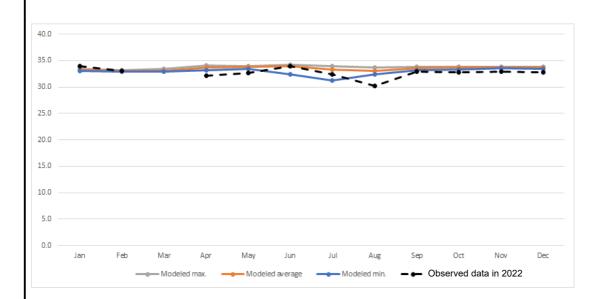


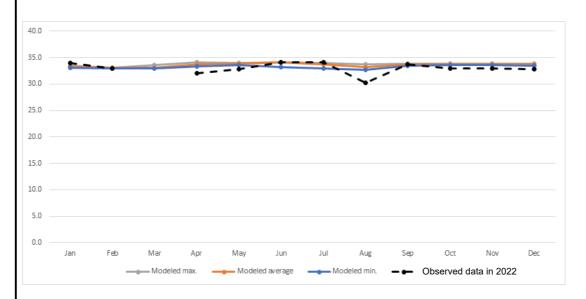
Modeled and Observed Salinity at EM2		
Upper - Surface; Middle - Mid-Depth; Lower - Bottom	CE 40/2023 (CE)	
Binnies		23



The observed data are within similar range of modelled data. The model performance is considered reasonable in terms of salinity prediction.







Modeled and Observed Salinity at EM3
Upper - Surface; Middle - Mid-Depth; Lower - Bottom

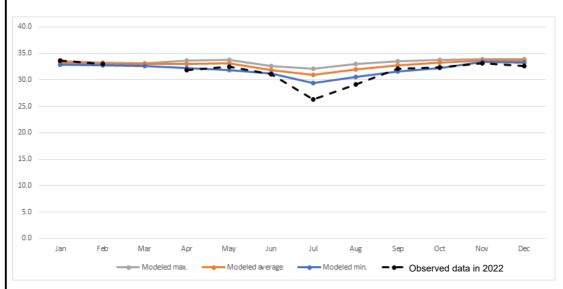
CE 40/2023 (CE)

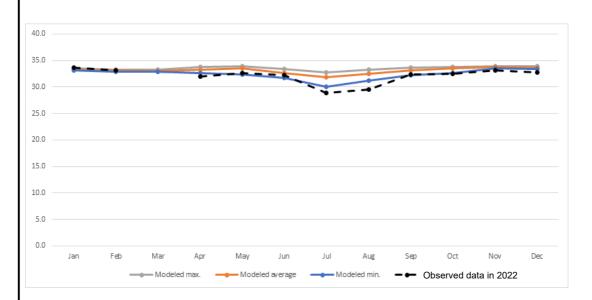
Binnies

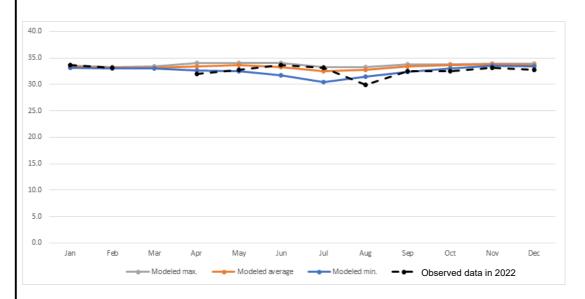
24

## **Data Interpretation**

The observed data are within similar range of modelled data. The model performance is considered reasonable in terms of salinity prediction.





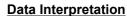


Modeled and Observed Salinity at JM3
Upper - Surface; Middle - Mid-Depth; Lower - Bottom

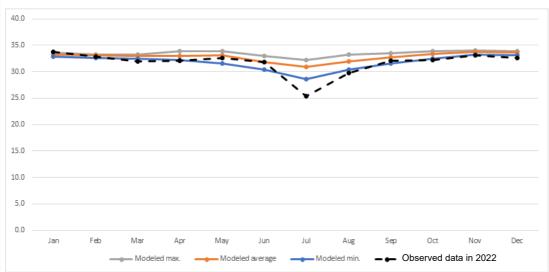
CE 40/2023 (CE)

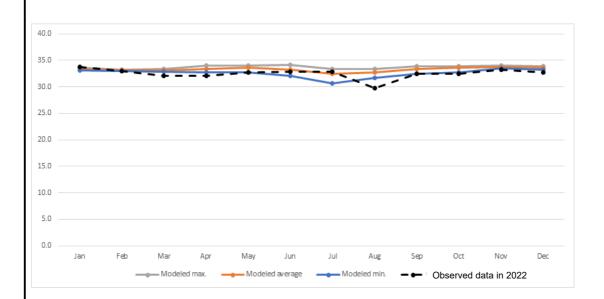
Binnies

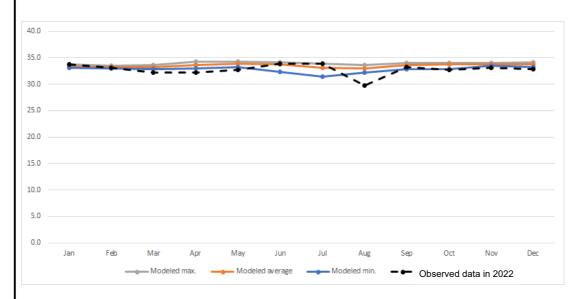
25



The observed data are within similar range of modelled data. The model performance is considered reasonable in terms of salinity prediction.







Modeled and Observed Salinity at JM4 Upper - Surface; Middle - Mid-Depth; Lower - Bottom

CE 40/2023 (CE)

Binnies

26

