

Agreement No. CE 20/2021 (CE)
 First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation
 Revised Yuen Long (YL) Model Grid Layout and Coverage

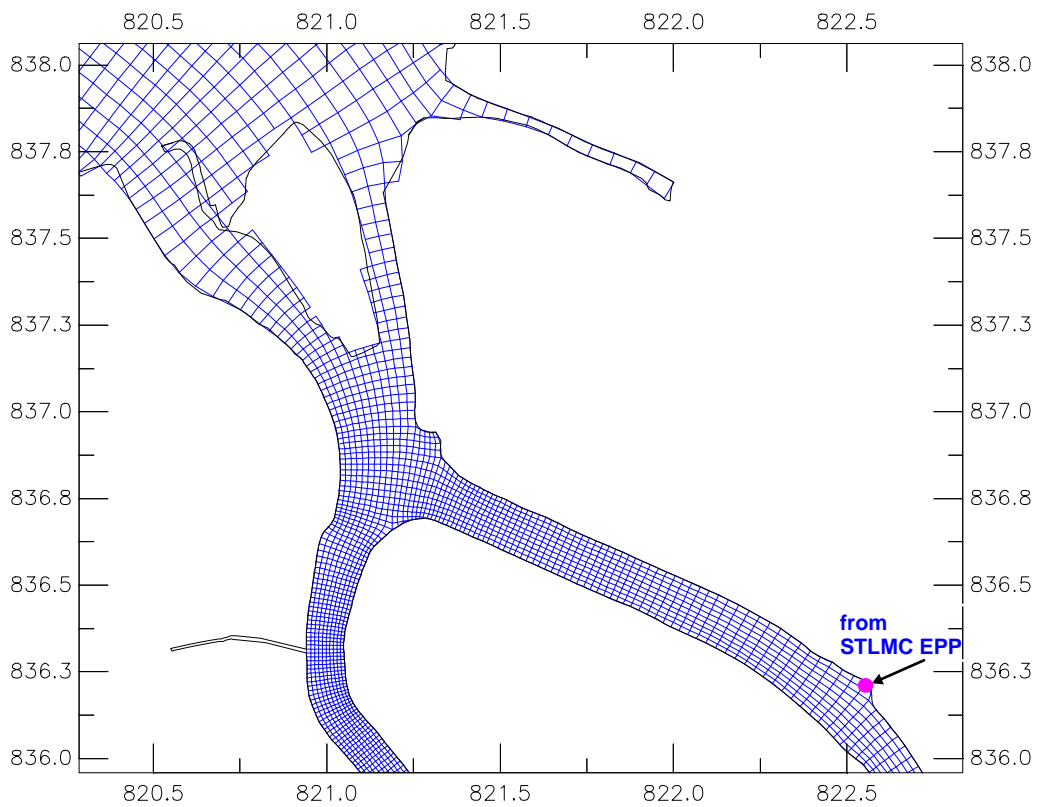
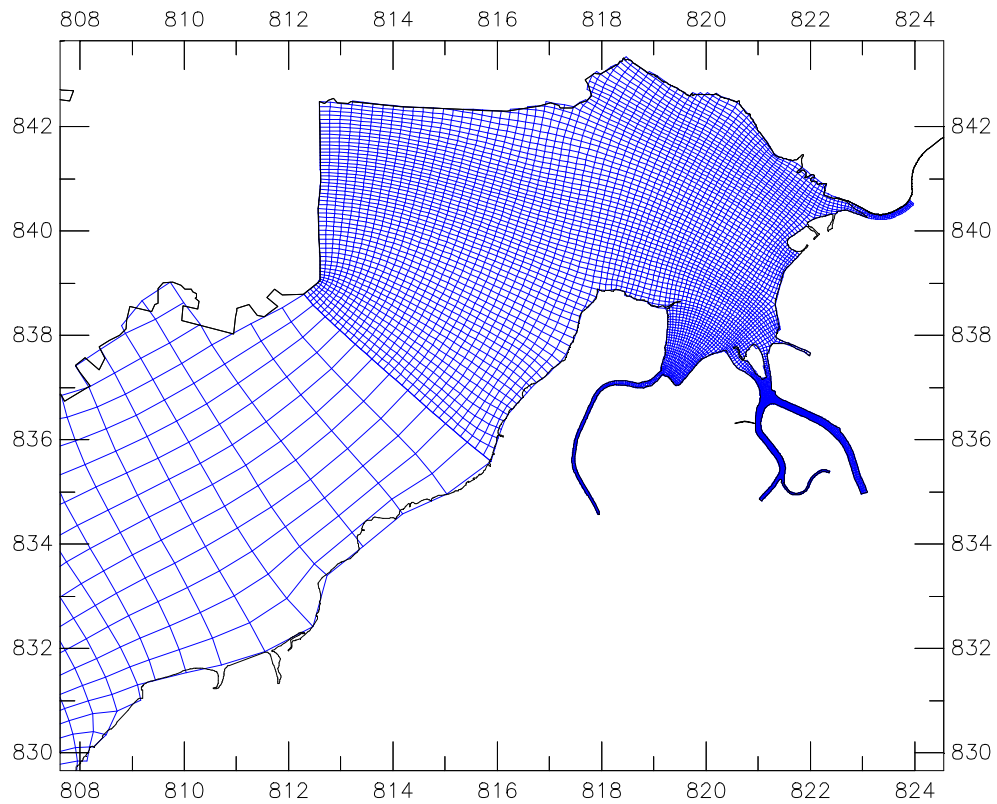
Overview

Appendix 5.2 – 01

AECOM

/GPP

grid-v3.ssn



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 First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation
 Revised Yuen Long (YL) Model Grid Layout and Coverage
 Zoom-in at: Upper – Deep Bay; Lower – Downstream Marine Waters of the Project

Appendix 5.2 – 02

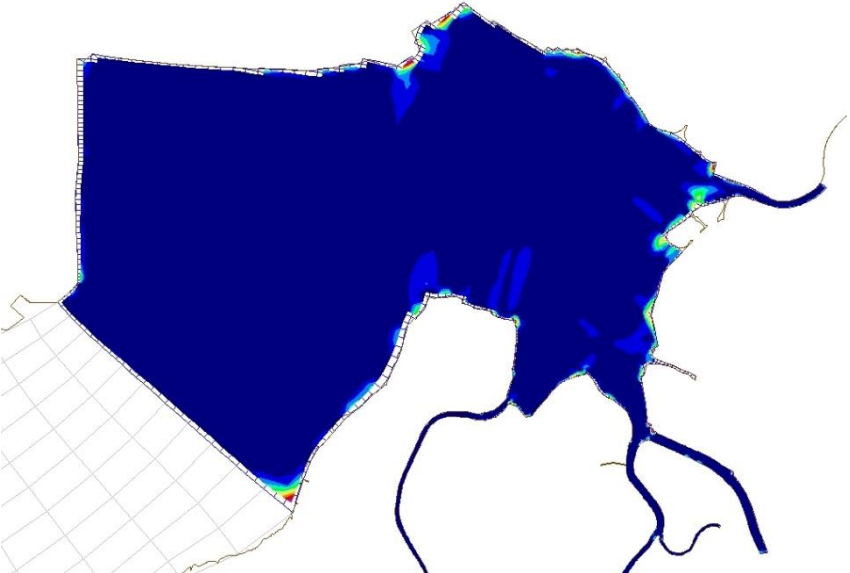
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grid-v3.ssn

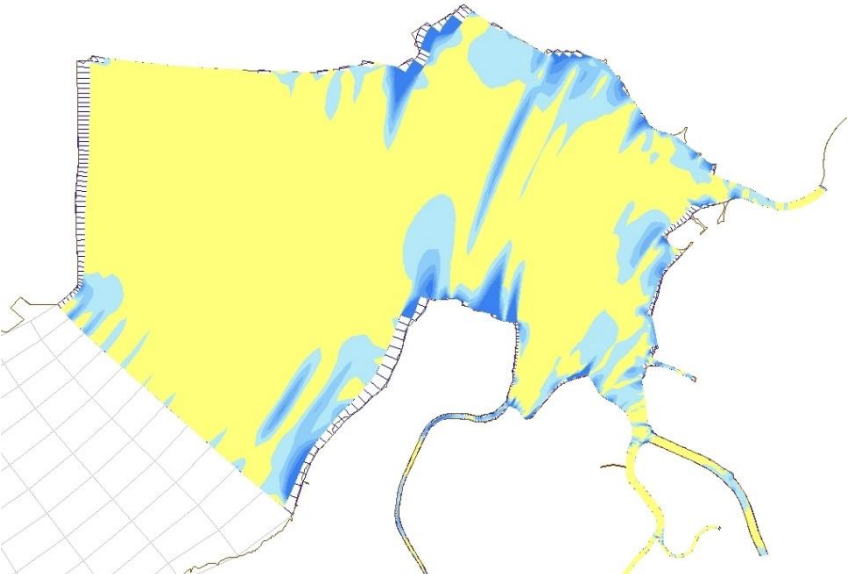
Appendix 5.2 Model Grid Properties

Orthogonality



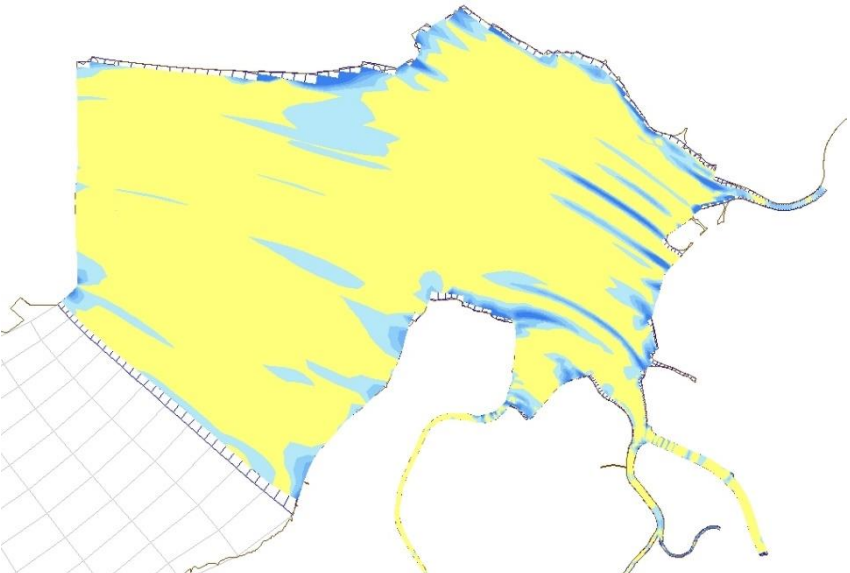
Orthogonality	
> 0.20	< 0.10
< 0.20	< 0.08
< 0.18	< 0.06
< 0.16	< 0.04
< 0.14	< 0.02
< 0.12	

M-Smoothness

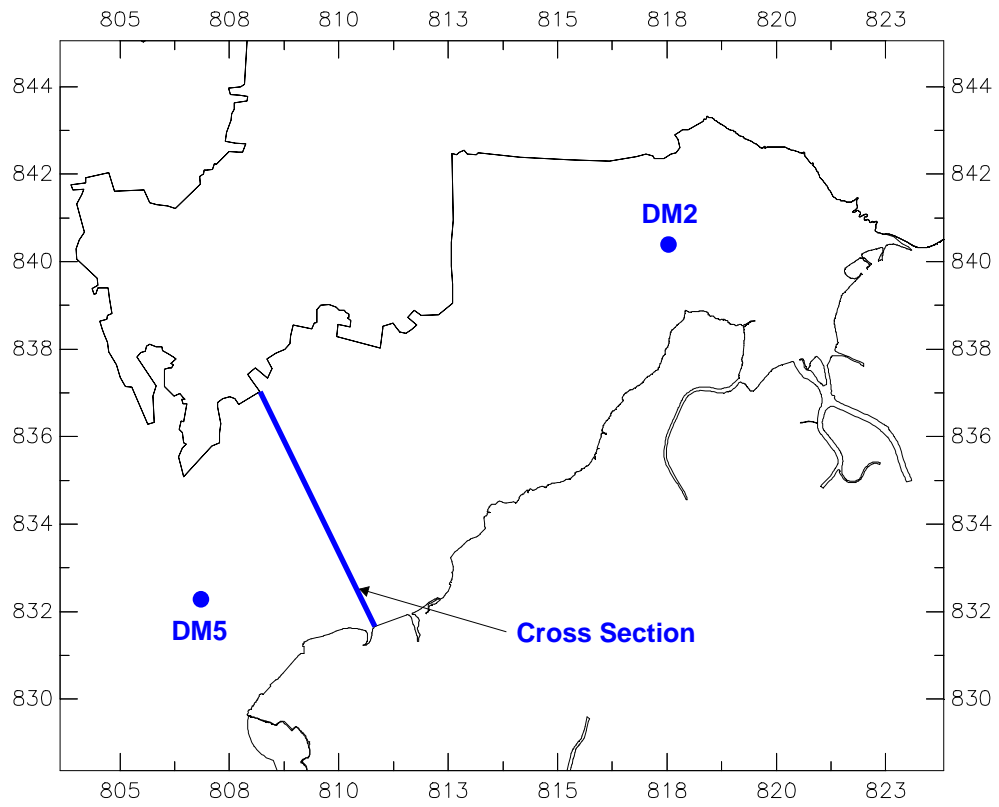


M-Smoothness
> 1.20
< 1.20
< 1.16
< 1.12
< 1.08
< 1.04

N-Smoothness



N-Smoothness
> 1.20
< 1.20
< 1.16
< 1.12
< 1.08
< 1.04



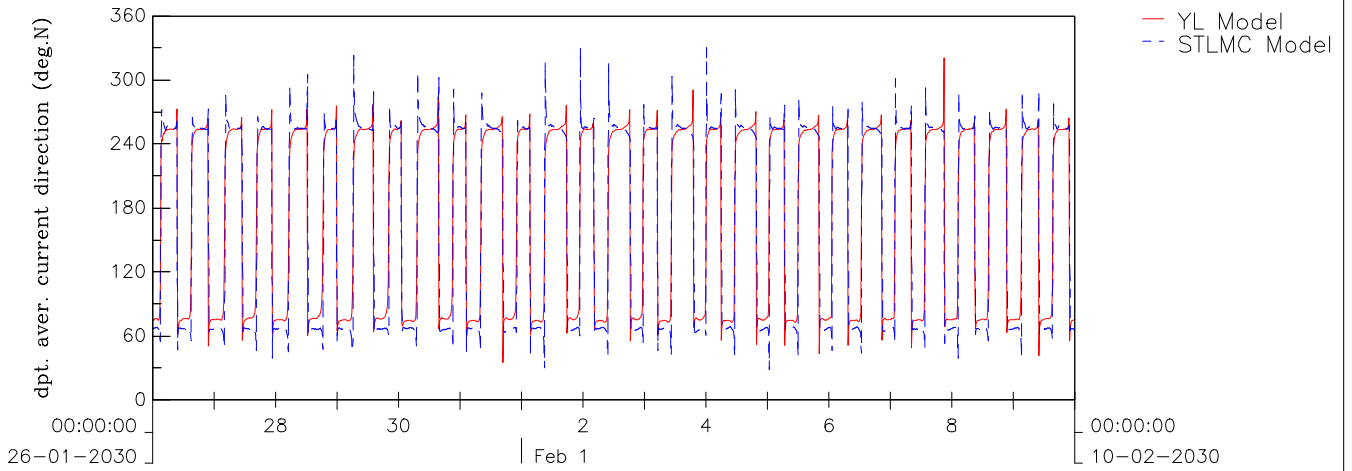
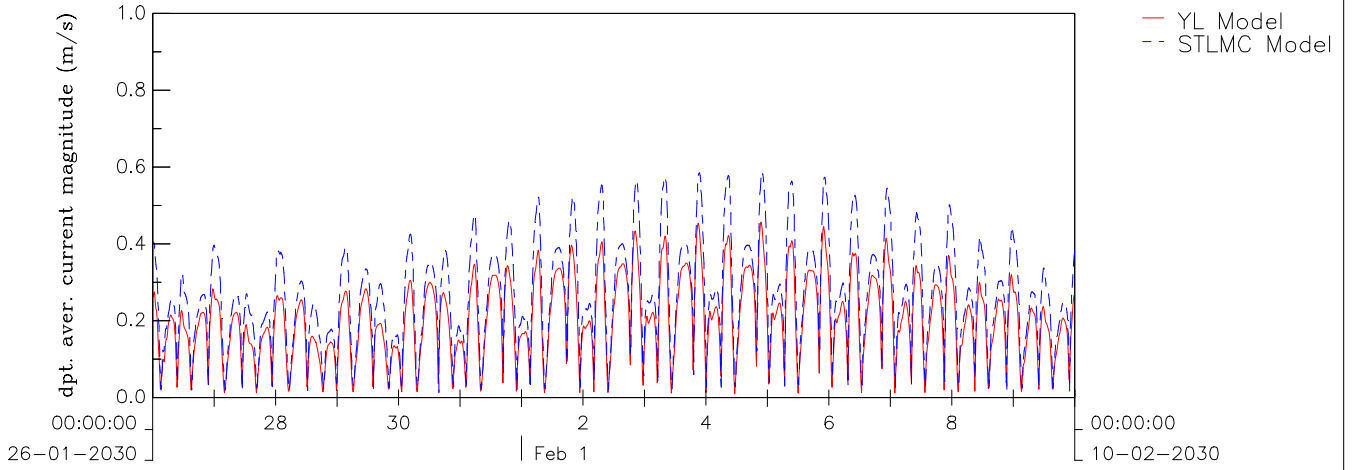
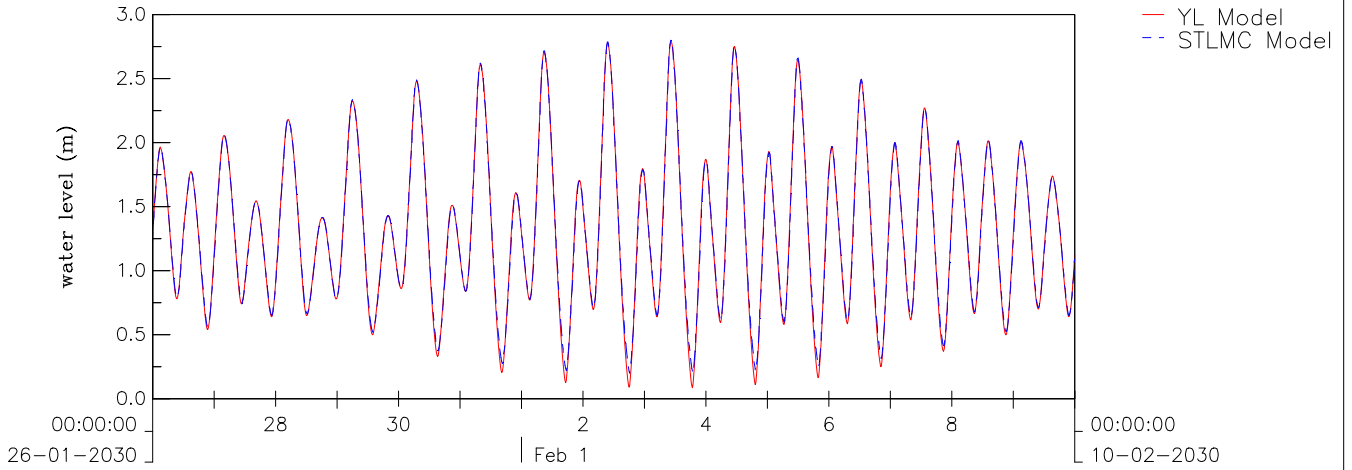
Agreement No. CE 20/2021 (CE)
 First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation
 Location of Indicator Points and Cross-Section

Appendix 5.2 – 04

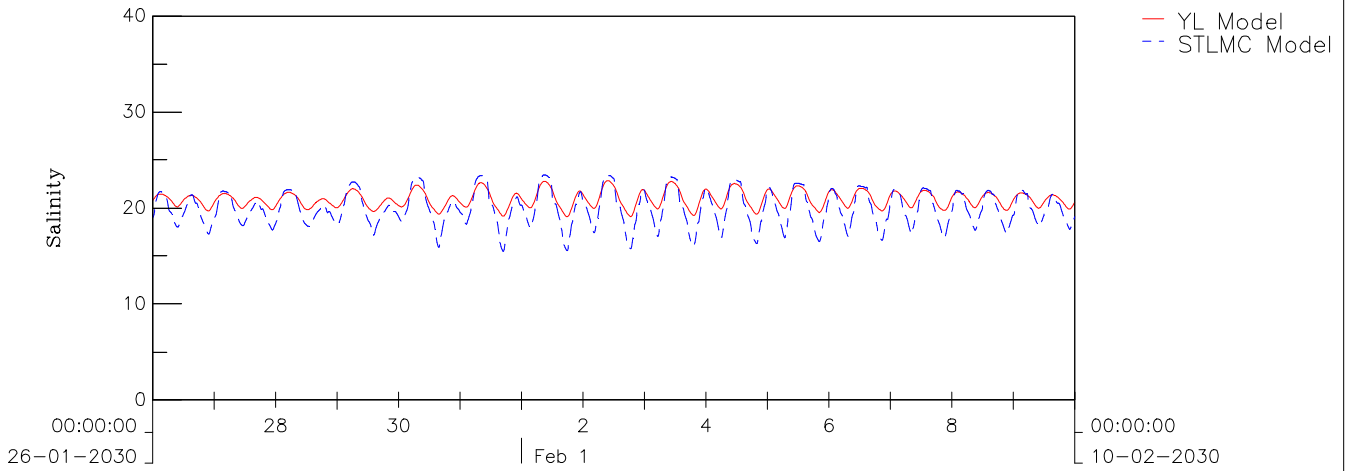
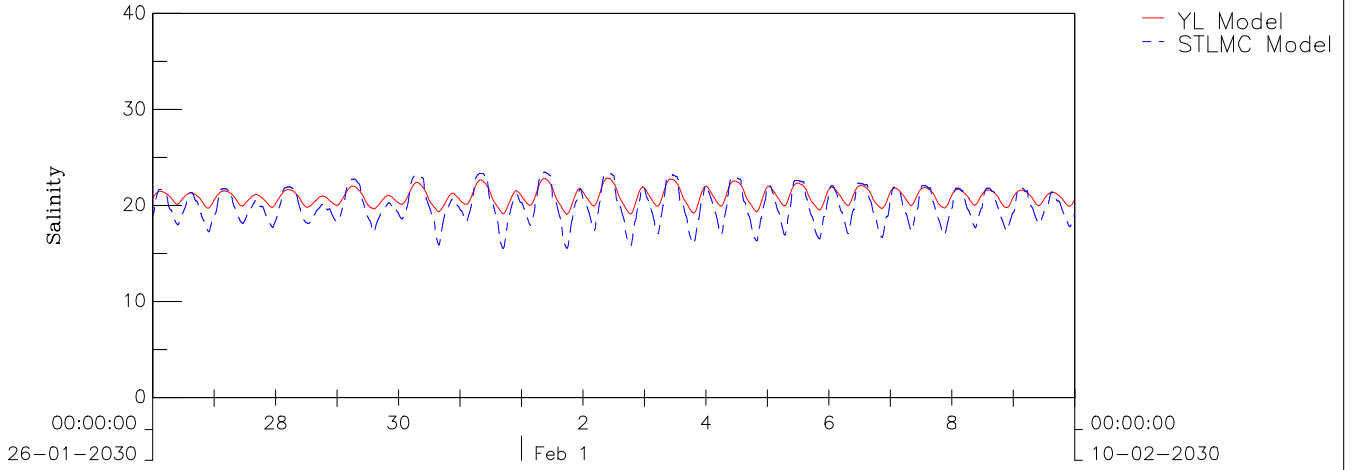
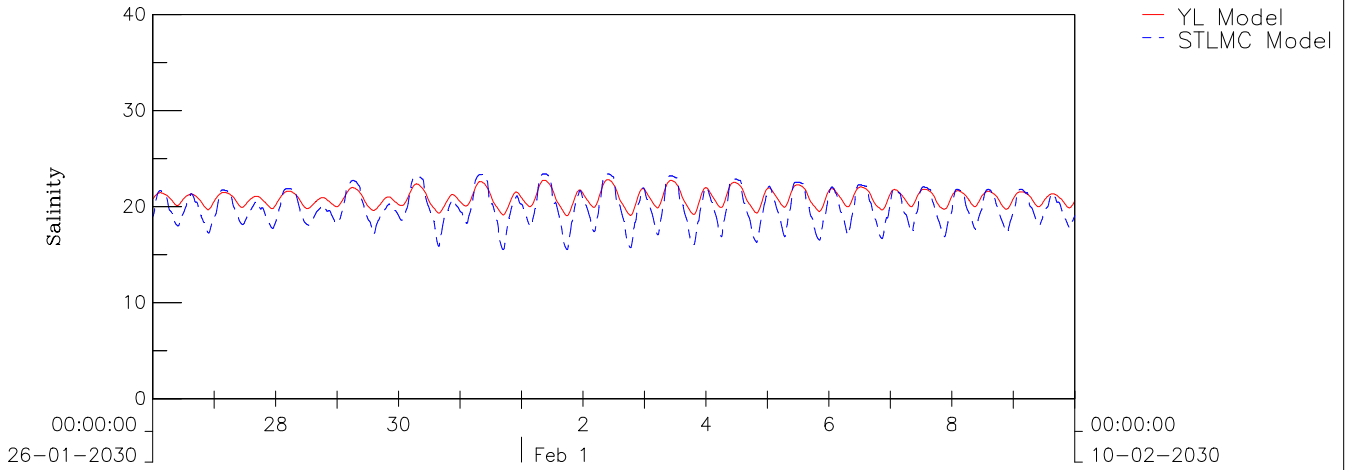
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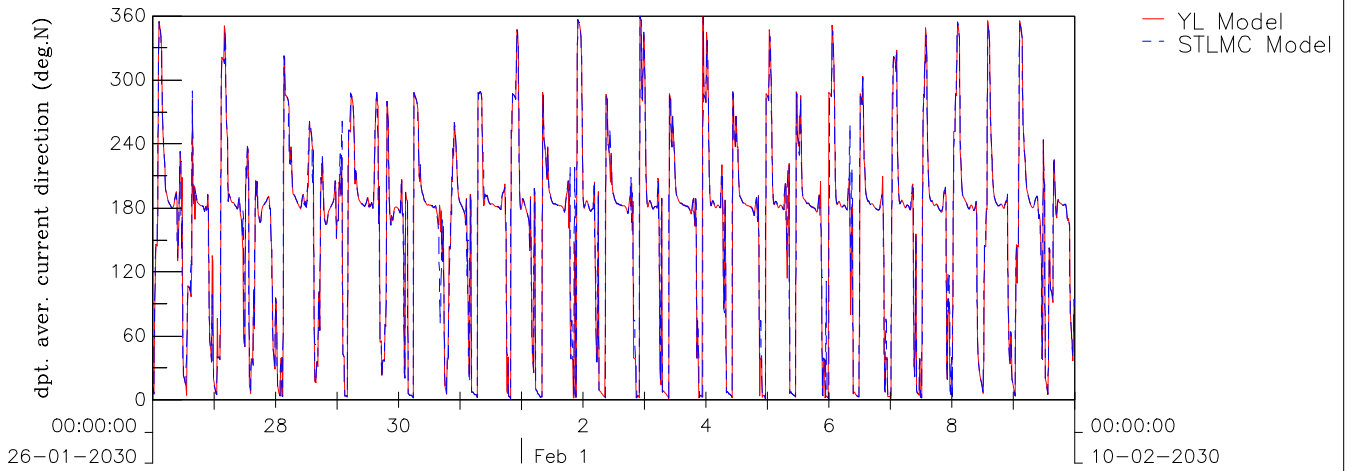
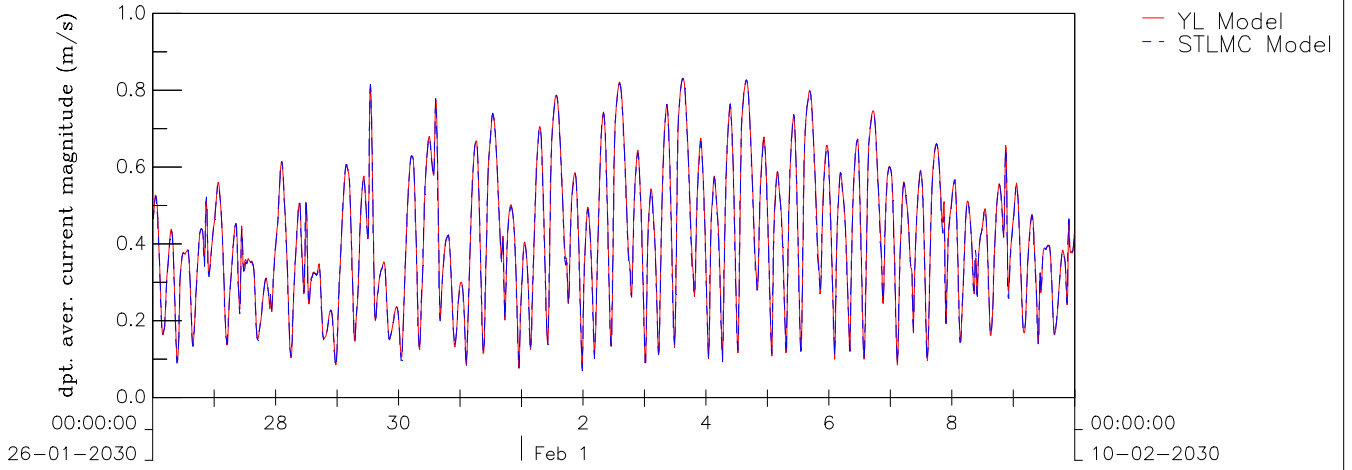
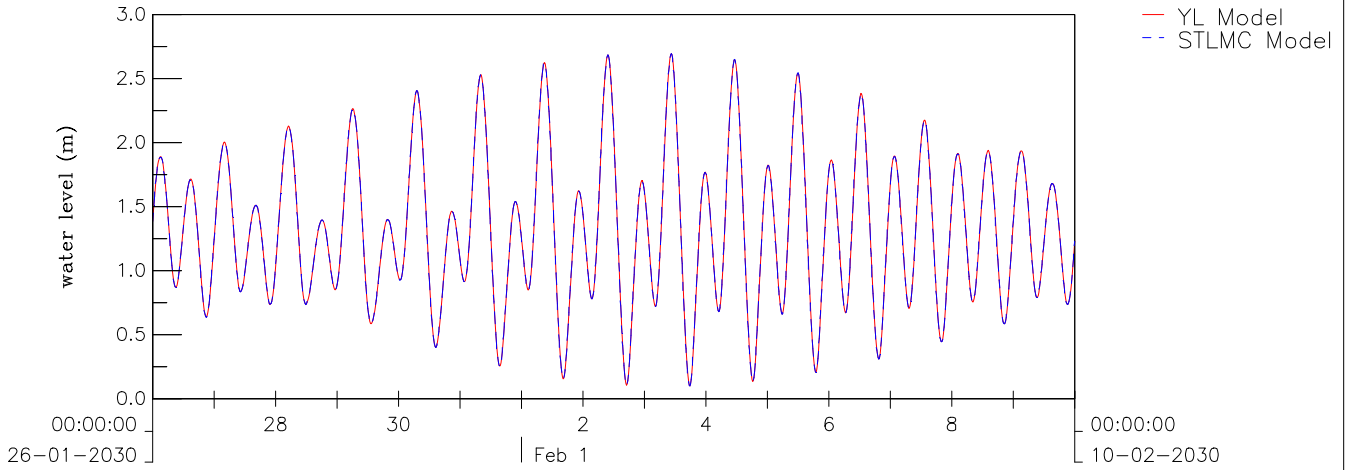
grid-v3.ssn



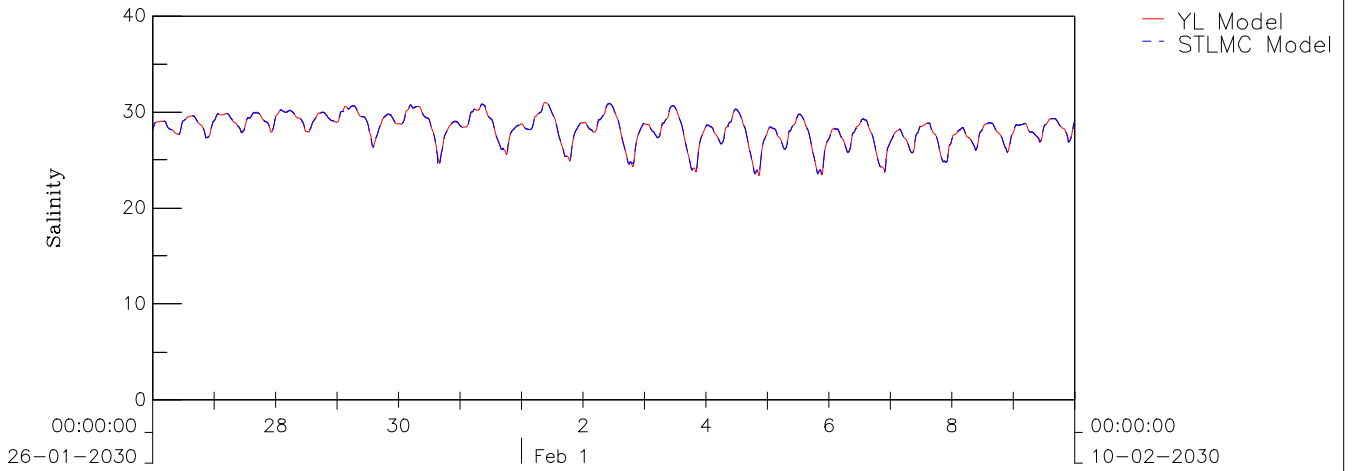
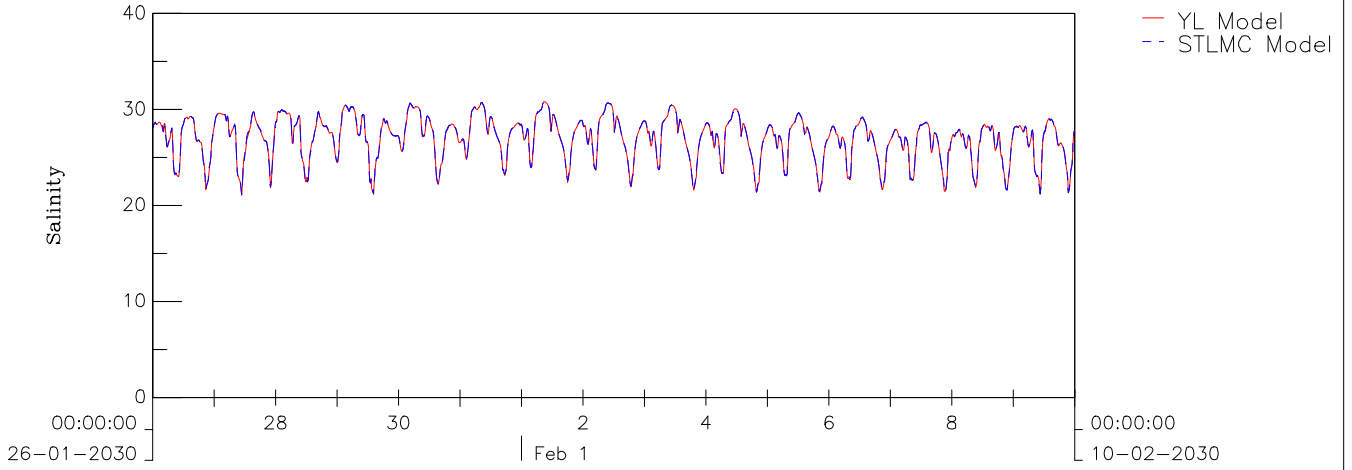
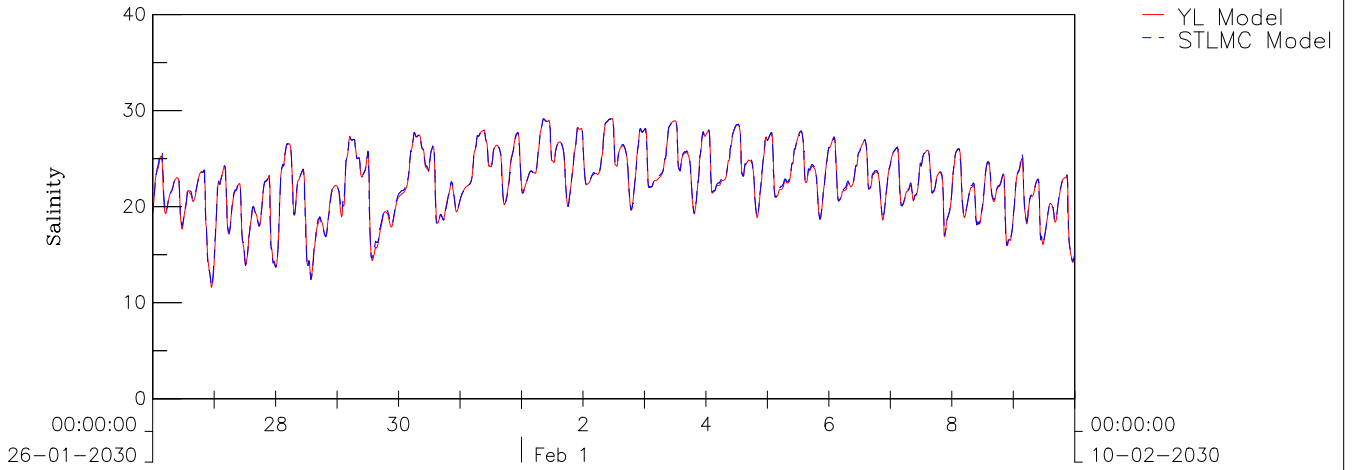
Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Water Level, Depth Averaged Current Velocity and Direction at DM2 for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Dry Season	MAR 2023
	Appendix 5.2 – 05	
AECOM	/GPP/	Verf-d3.ssn



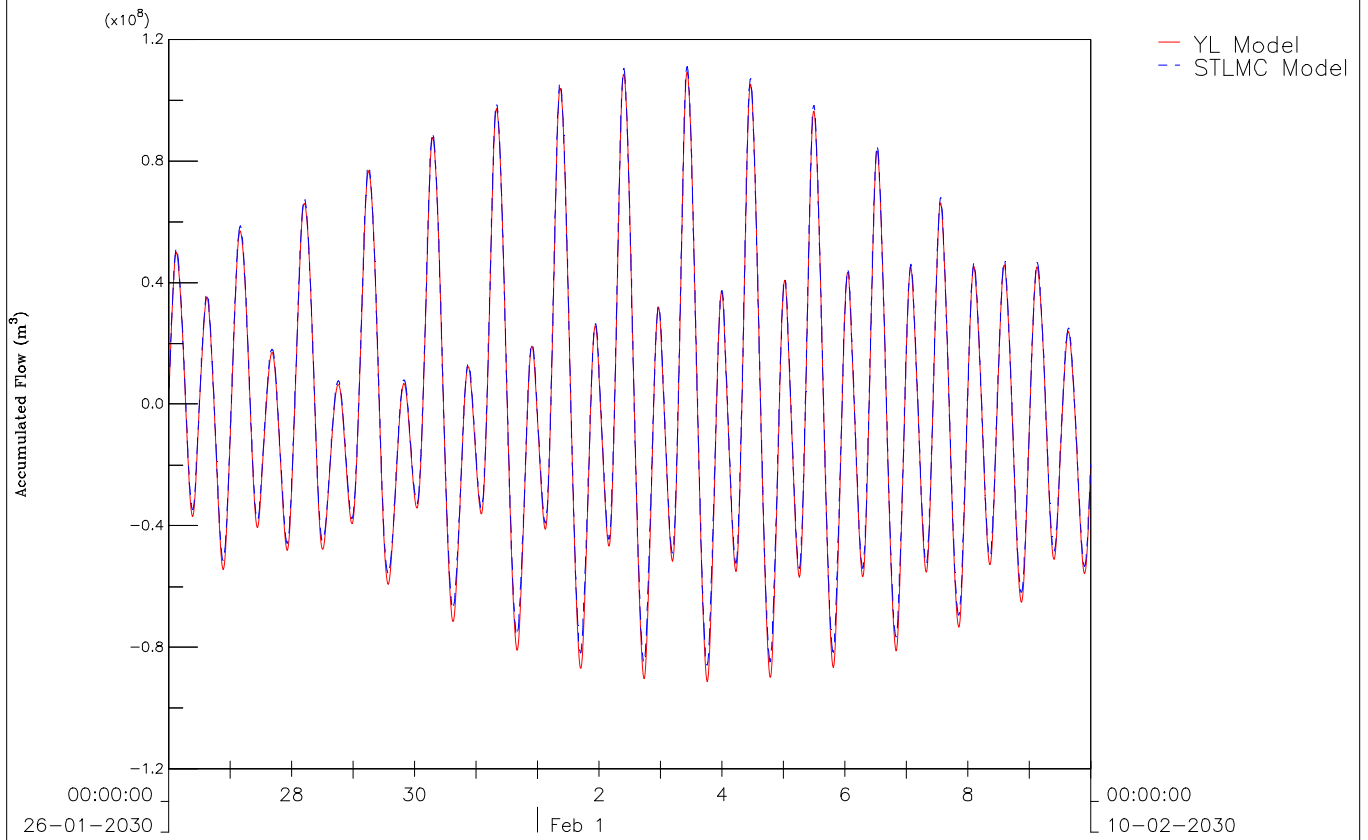
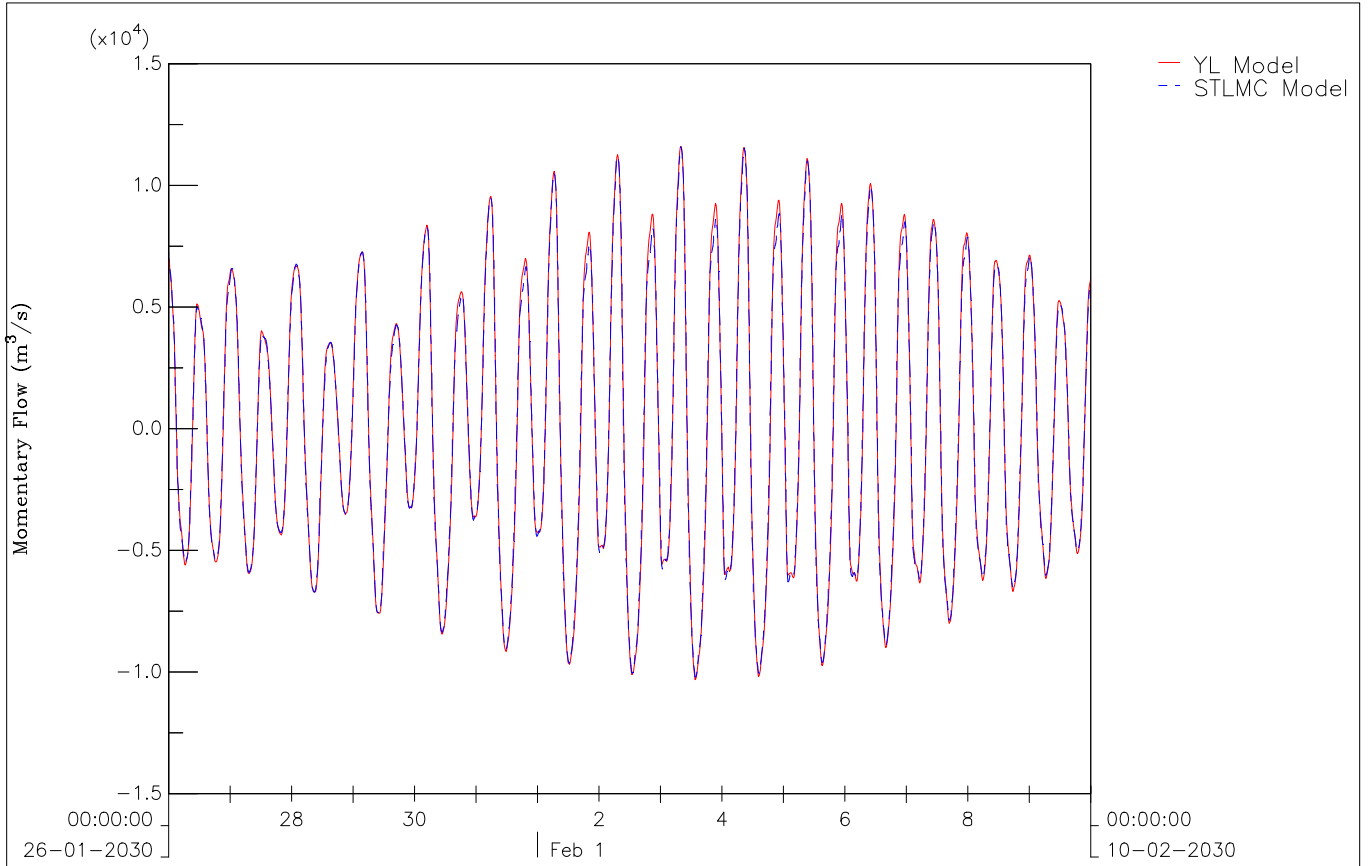
Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Surface, Mid-Depth and Bottom Salinity at DM2 for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Dry Season	MAR 2023
	Appendix 5.2 – 06	
AECOM	/GPP/	Verf-d3.ssn



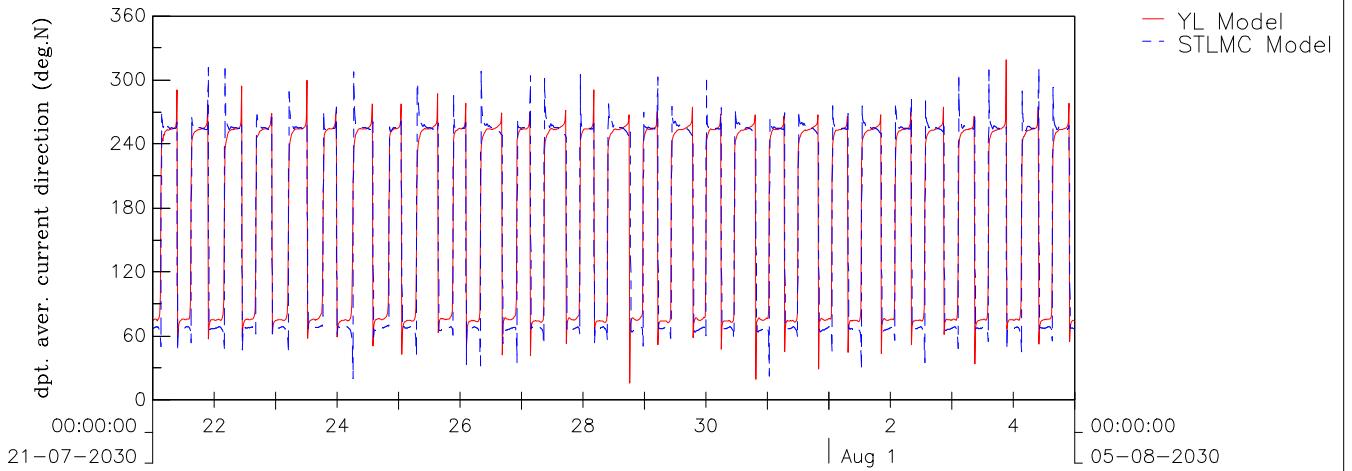
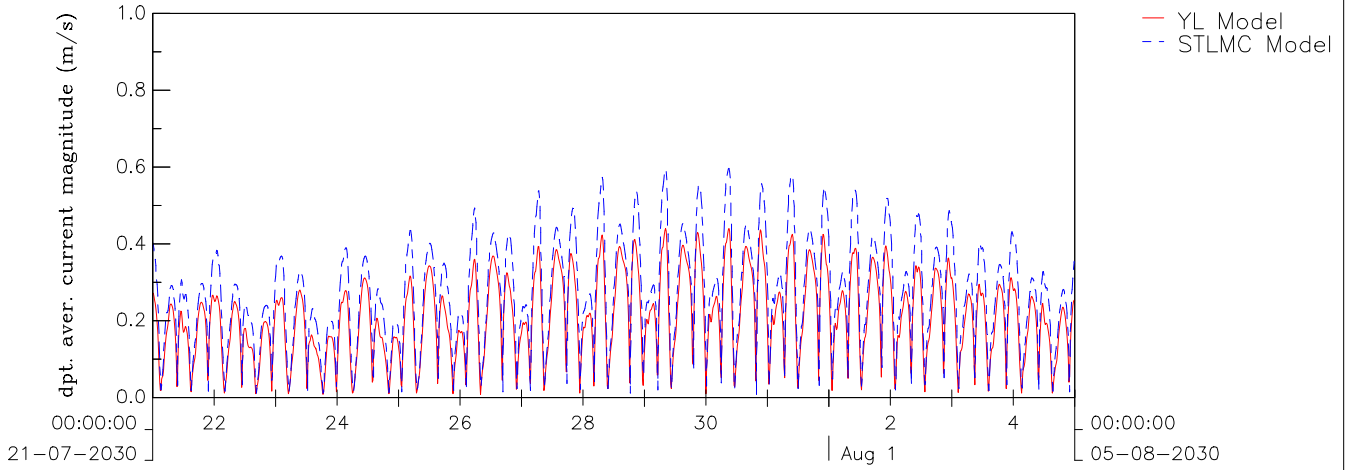
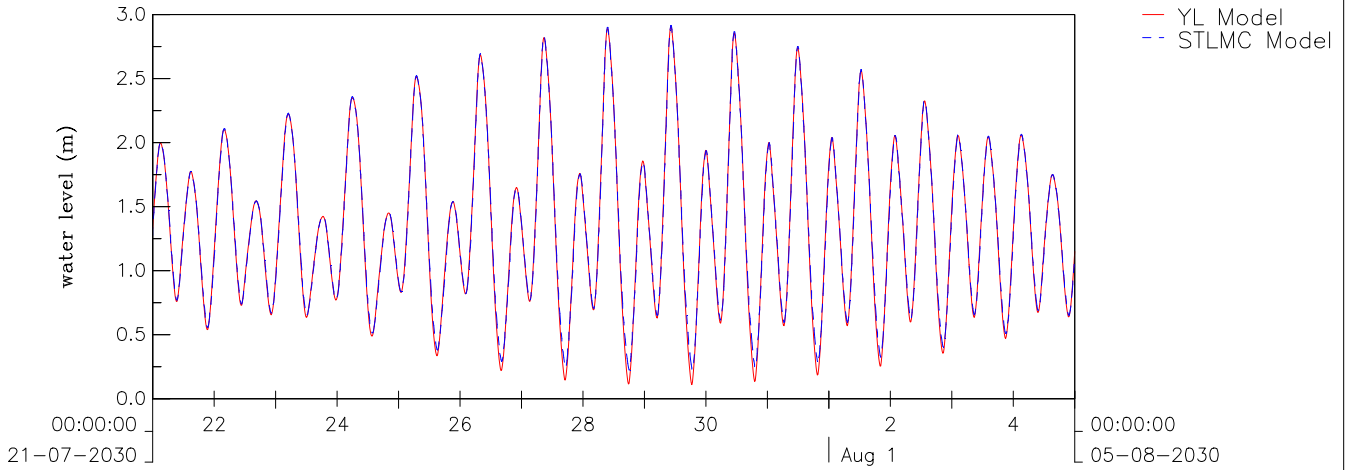
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	Appendix 5.2 – 07	
AECOM	/GPP/	Verf-d3.ssn



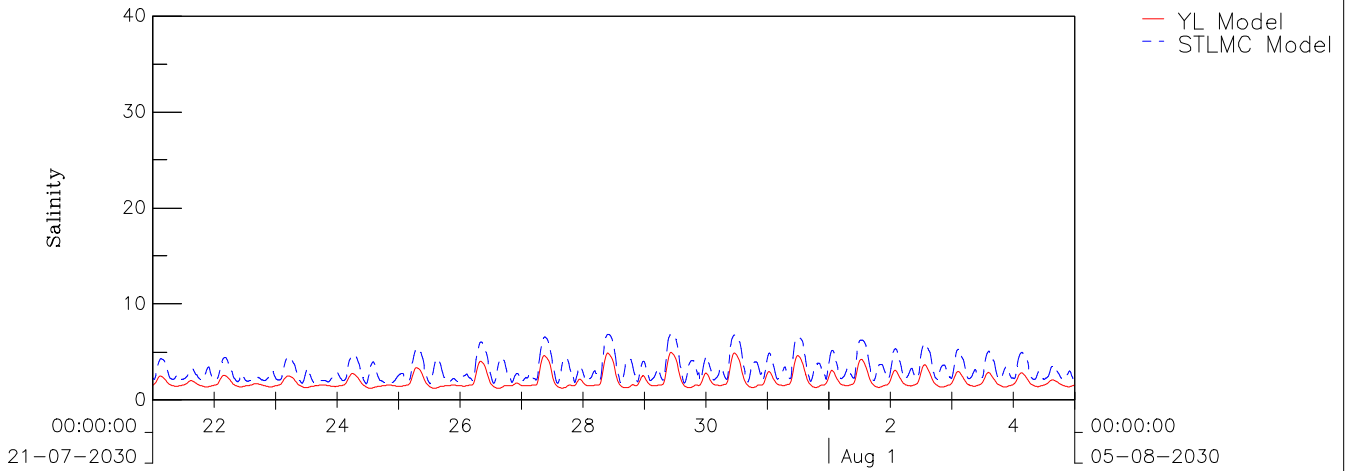
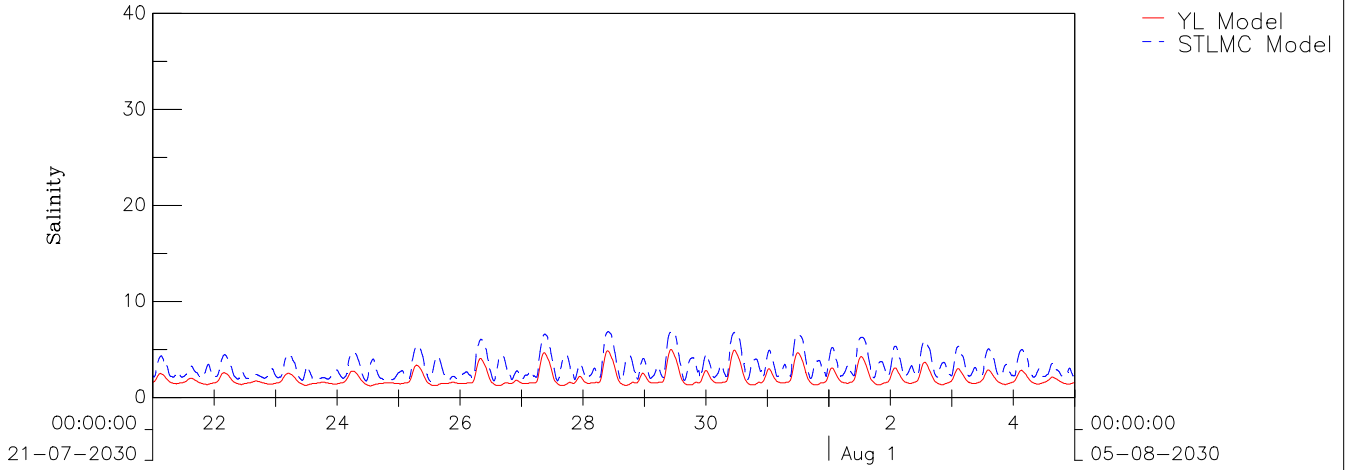
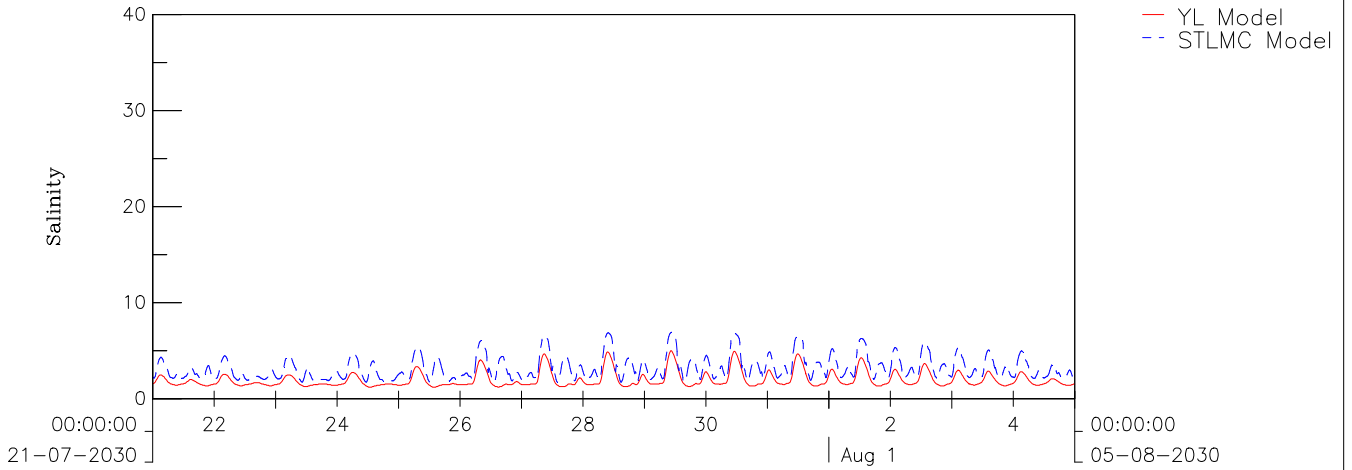
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	Appendix 5.2 – 08	
AECOM	/GPP/	Verf-d3.ssn



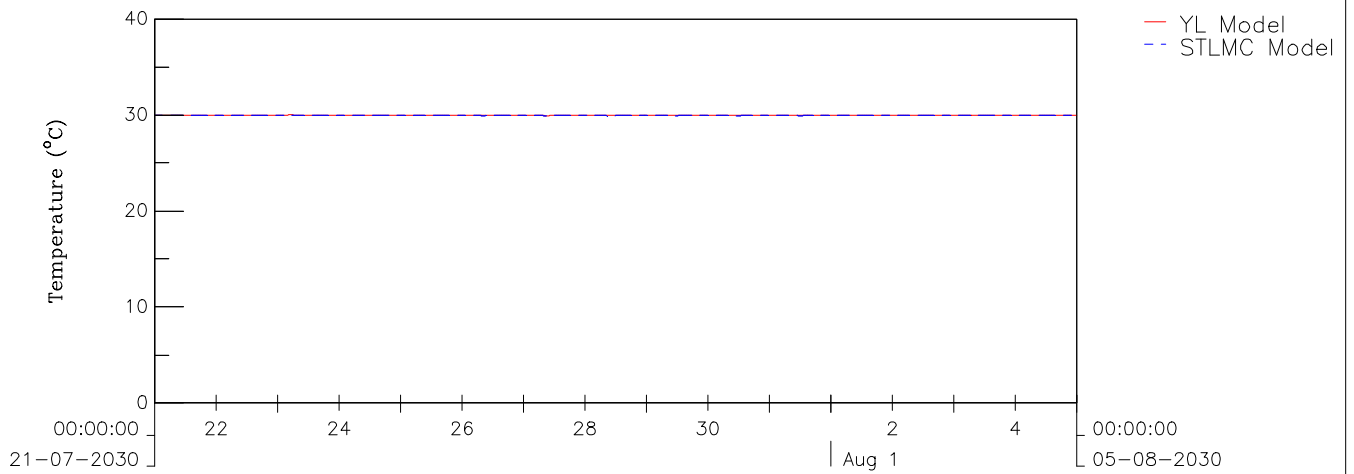
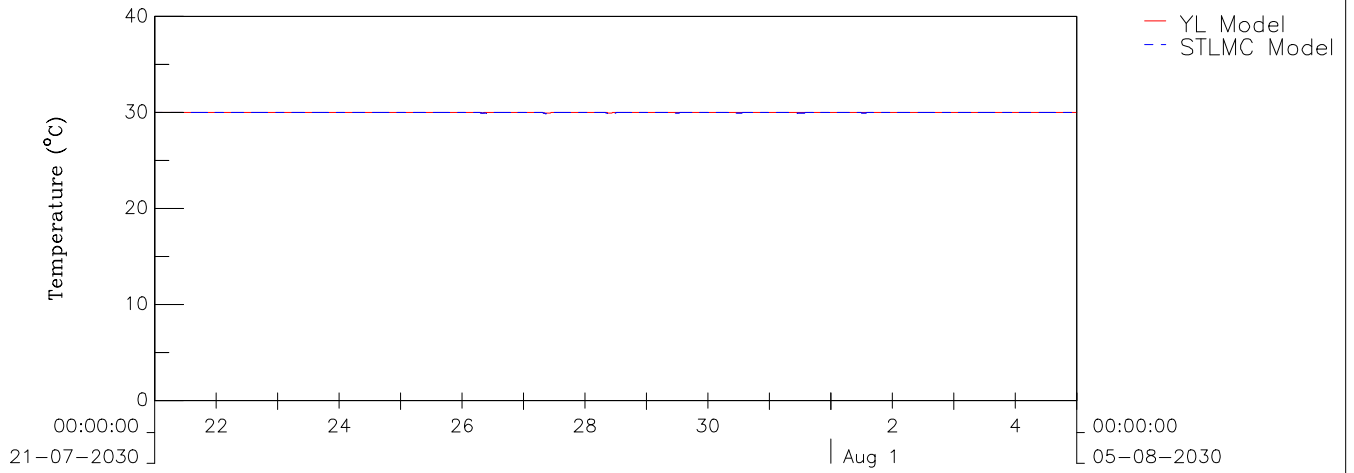
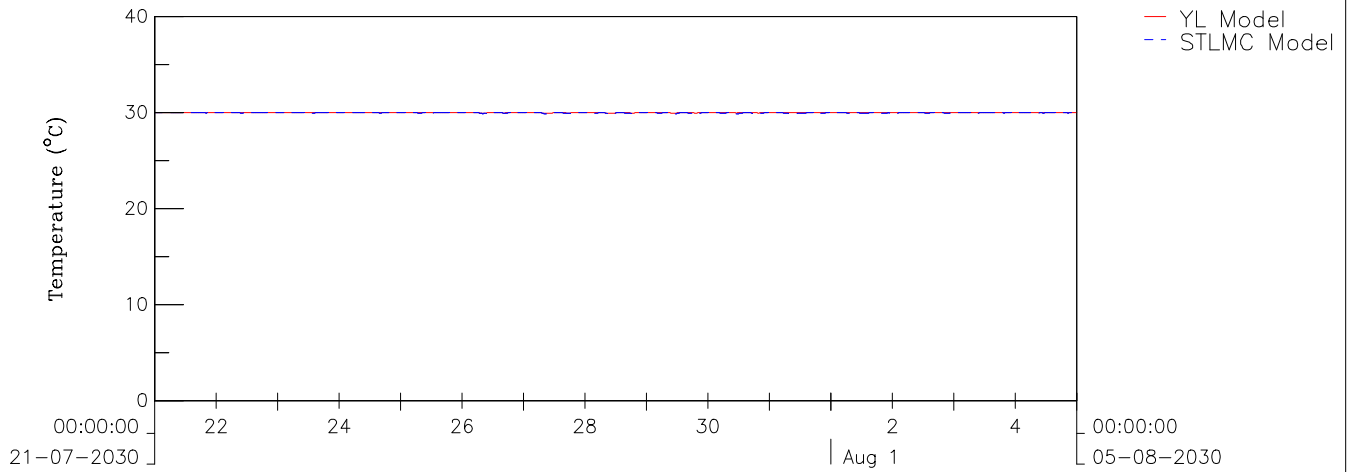
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	Appendix 5.2 – 09	
AECOM	/GPP/	Verf-d3.ssn



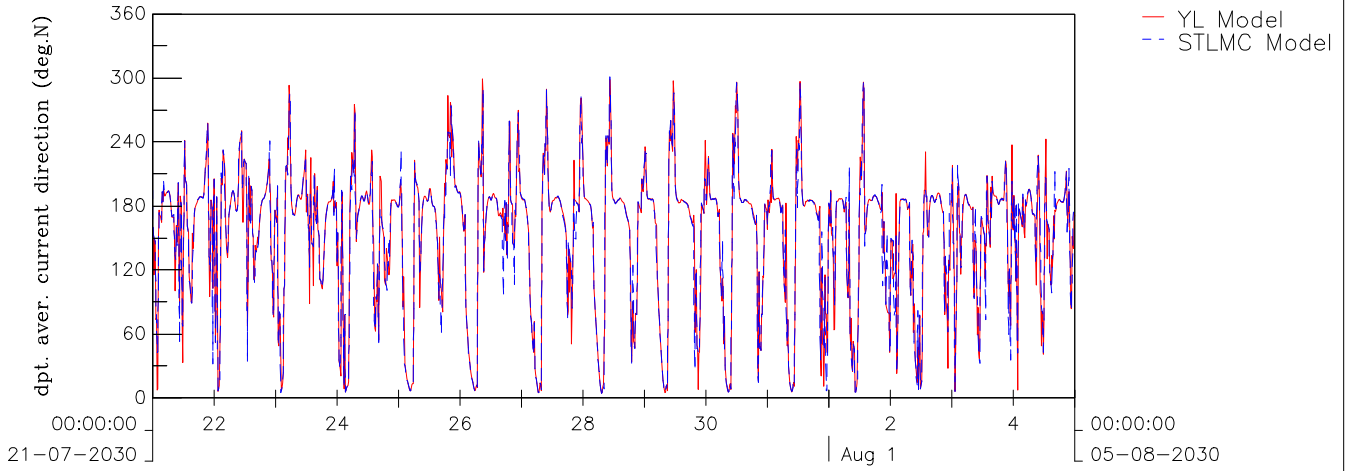
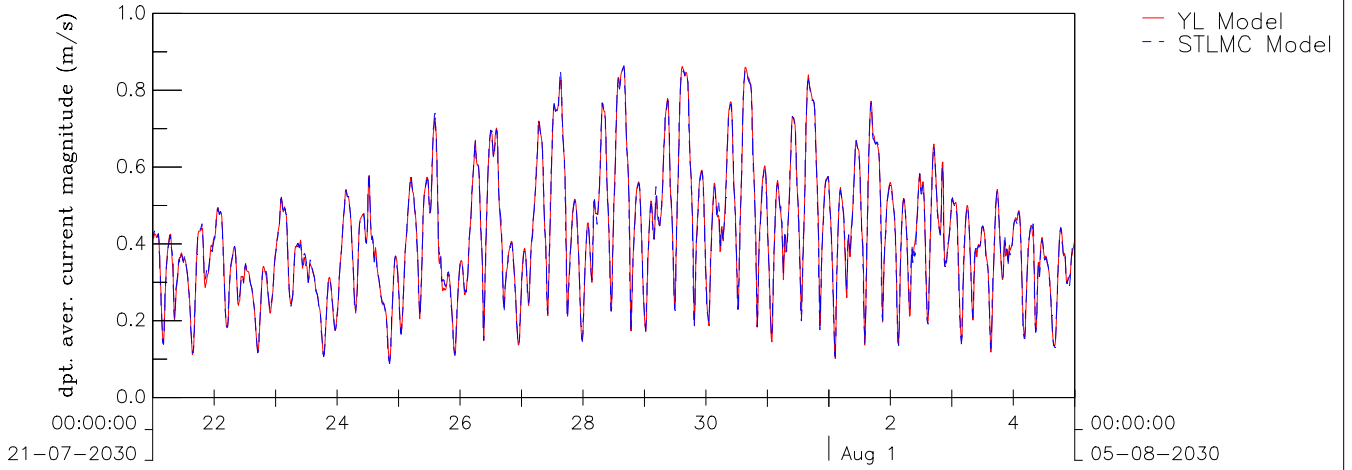
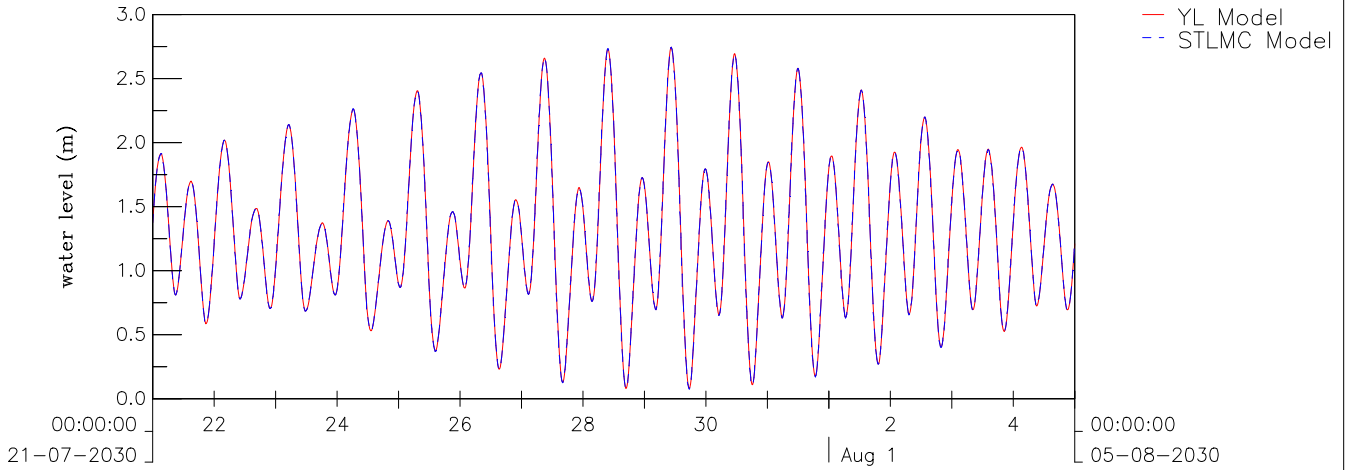
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	Appendix 5.2 – 10	
AECOM	/GPP/	Verf-w3.ssn



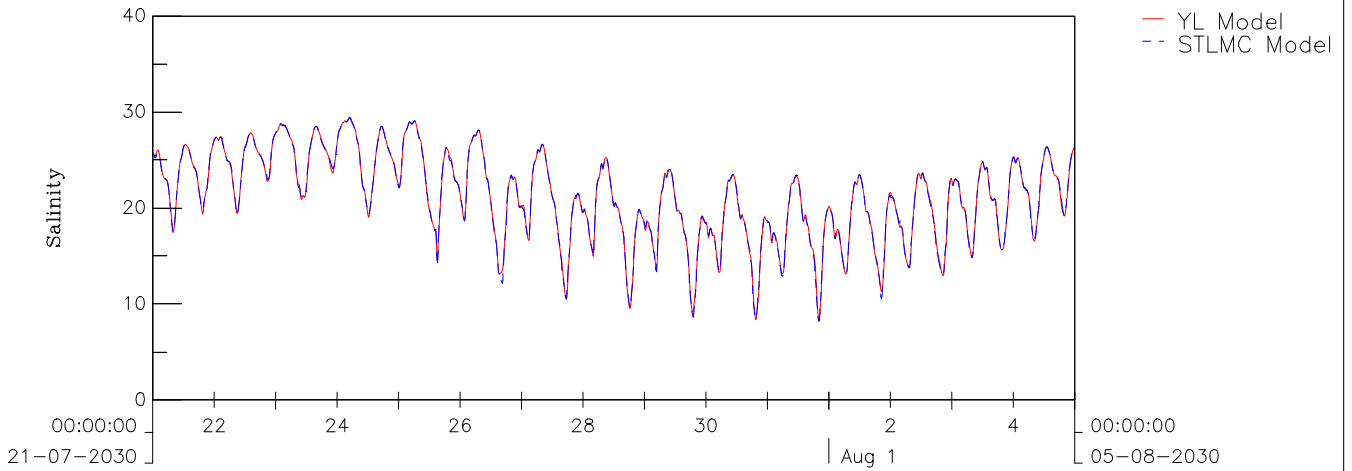
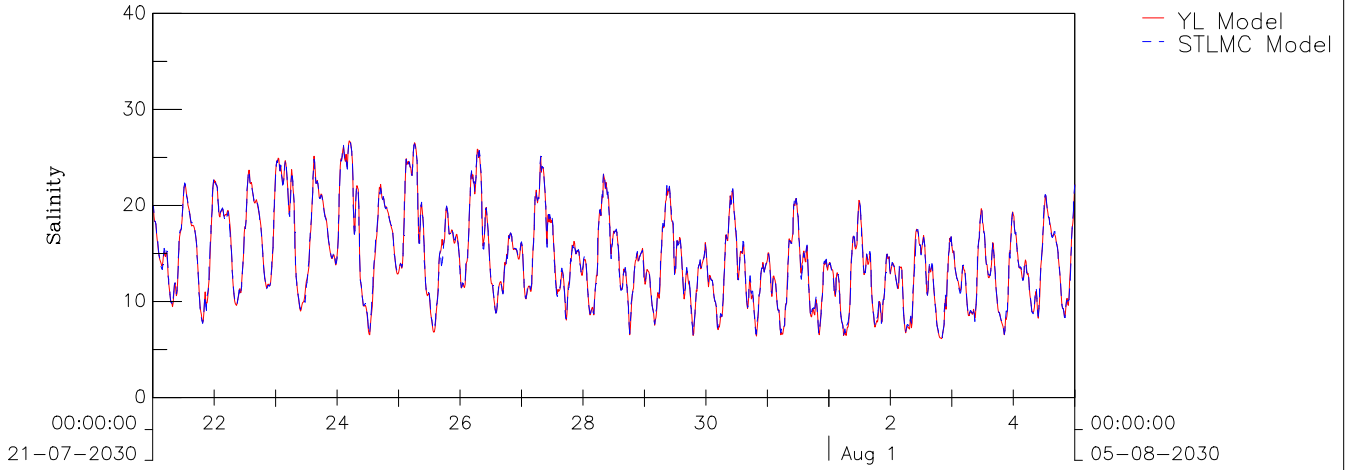
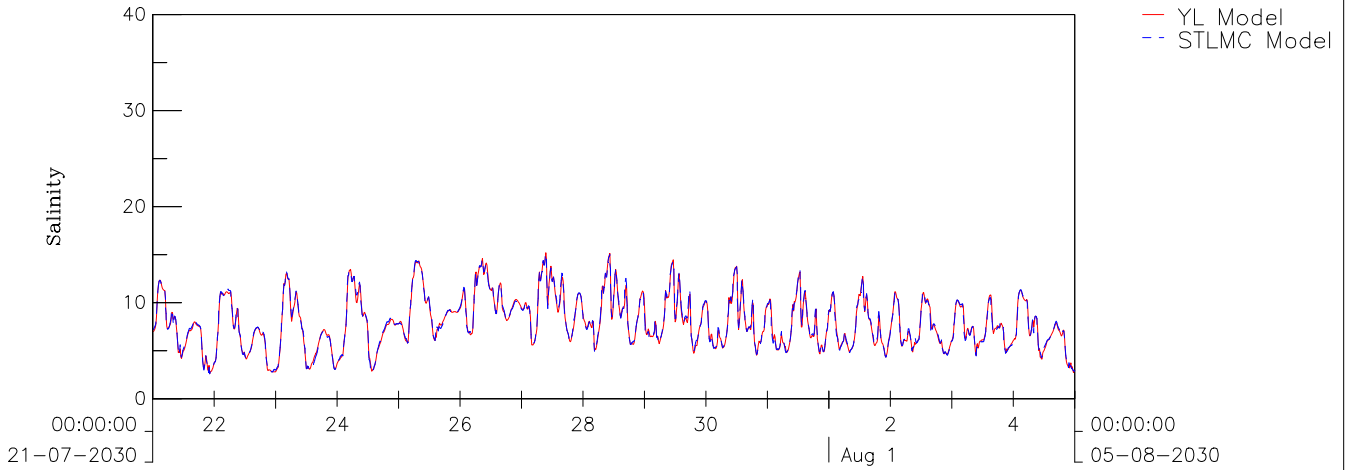
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	Appendix 5.2 – 11	
AECOM	/GPP/	Verf-w3.ssn



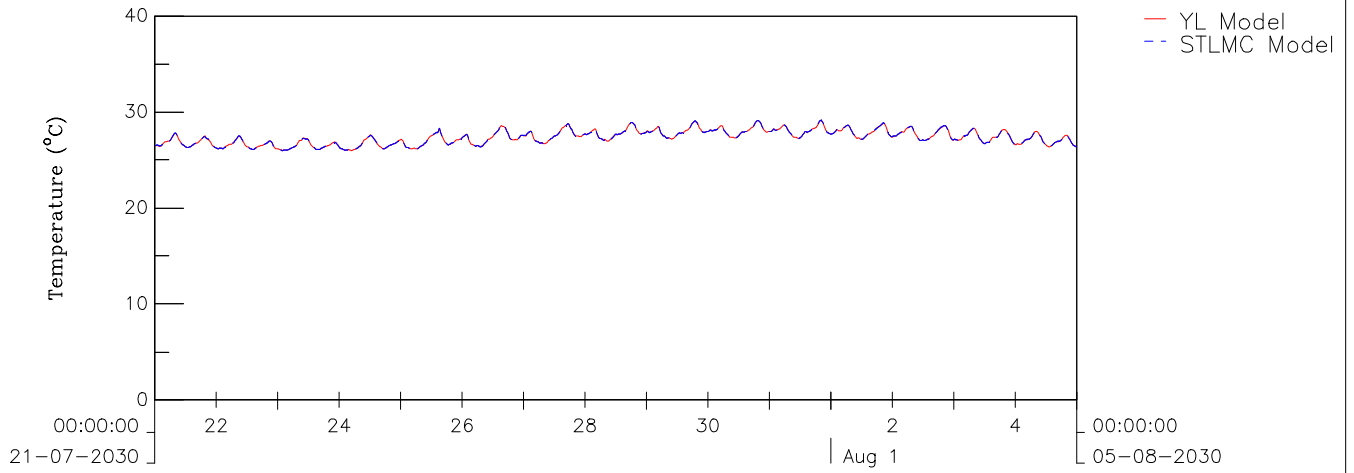
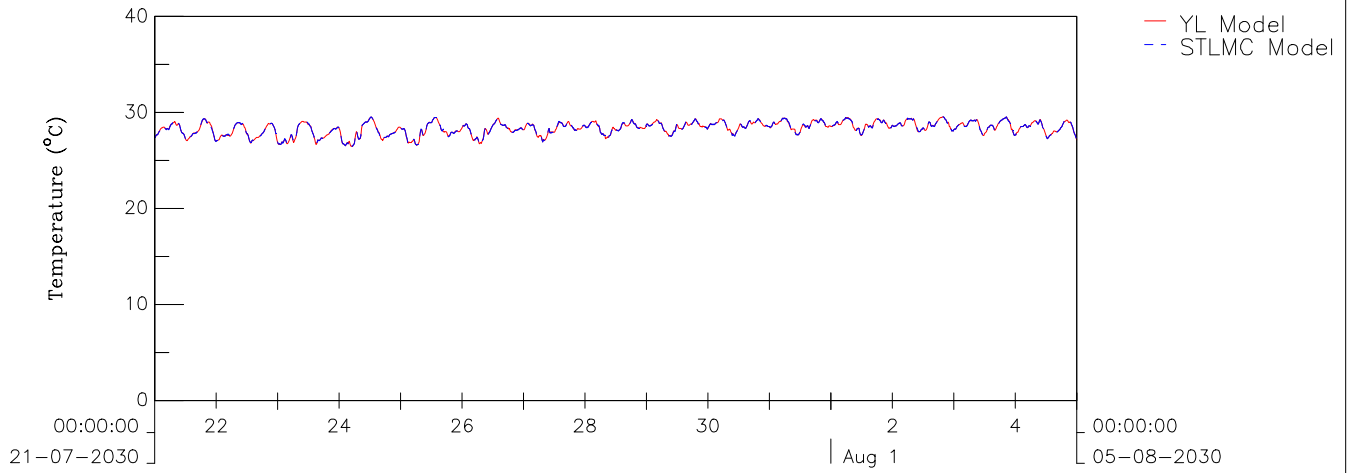
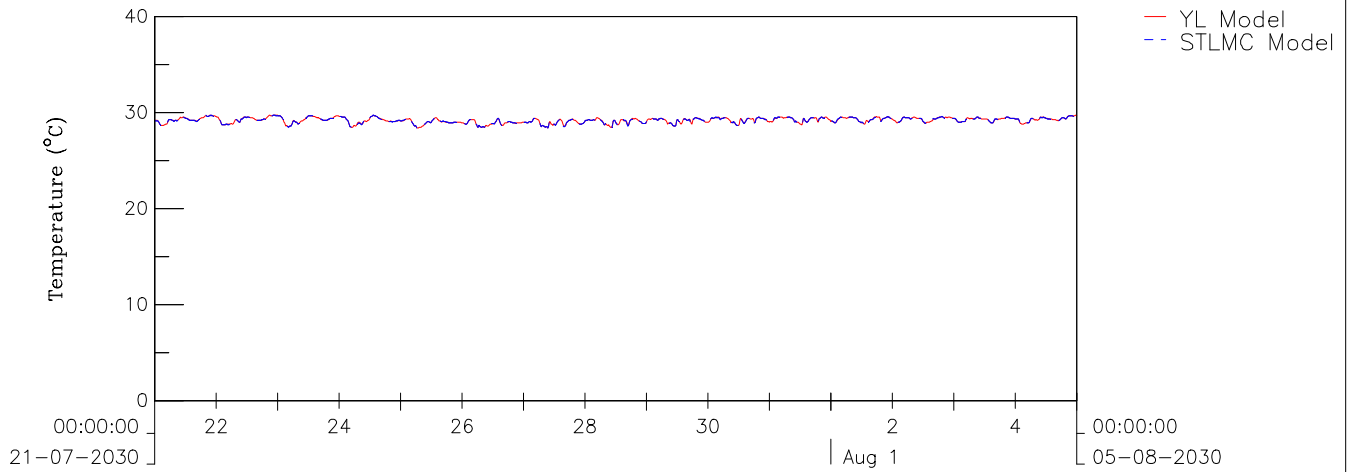
Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Surface, Mid–Depth and Bottom Temperature at DM2 for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Wet Season	MAR 2023
	Appendix 5.2 – 12	
AECOM	/GPP/	Verf-w3.ssn



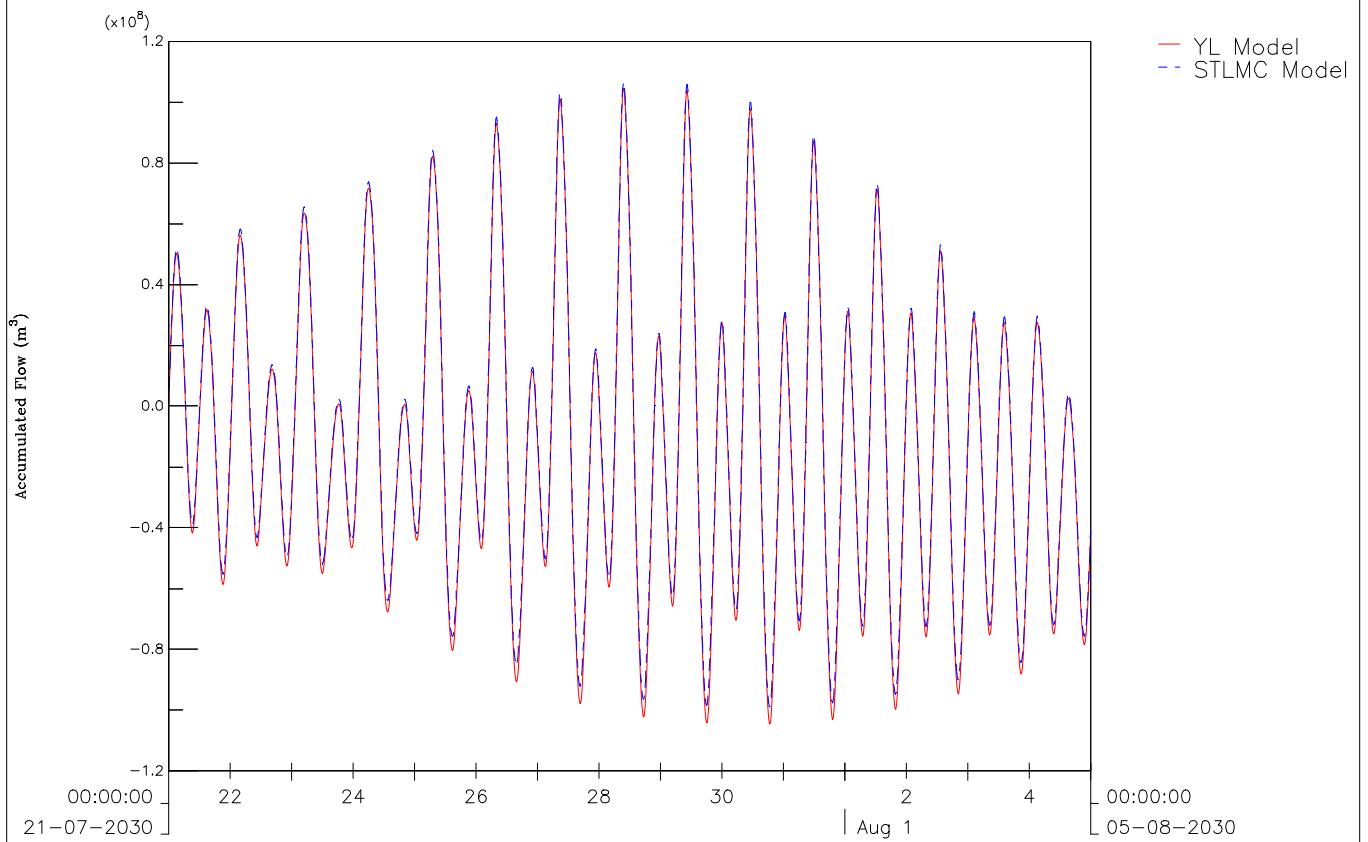
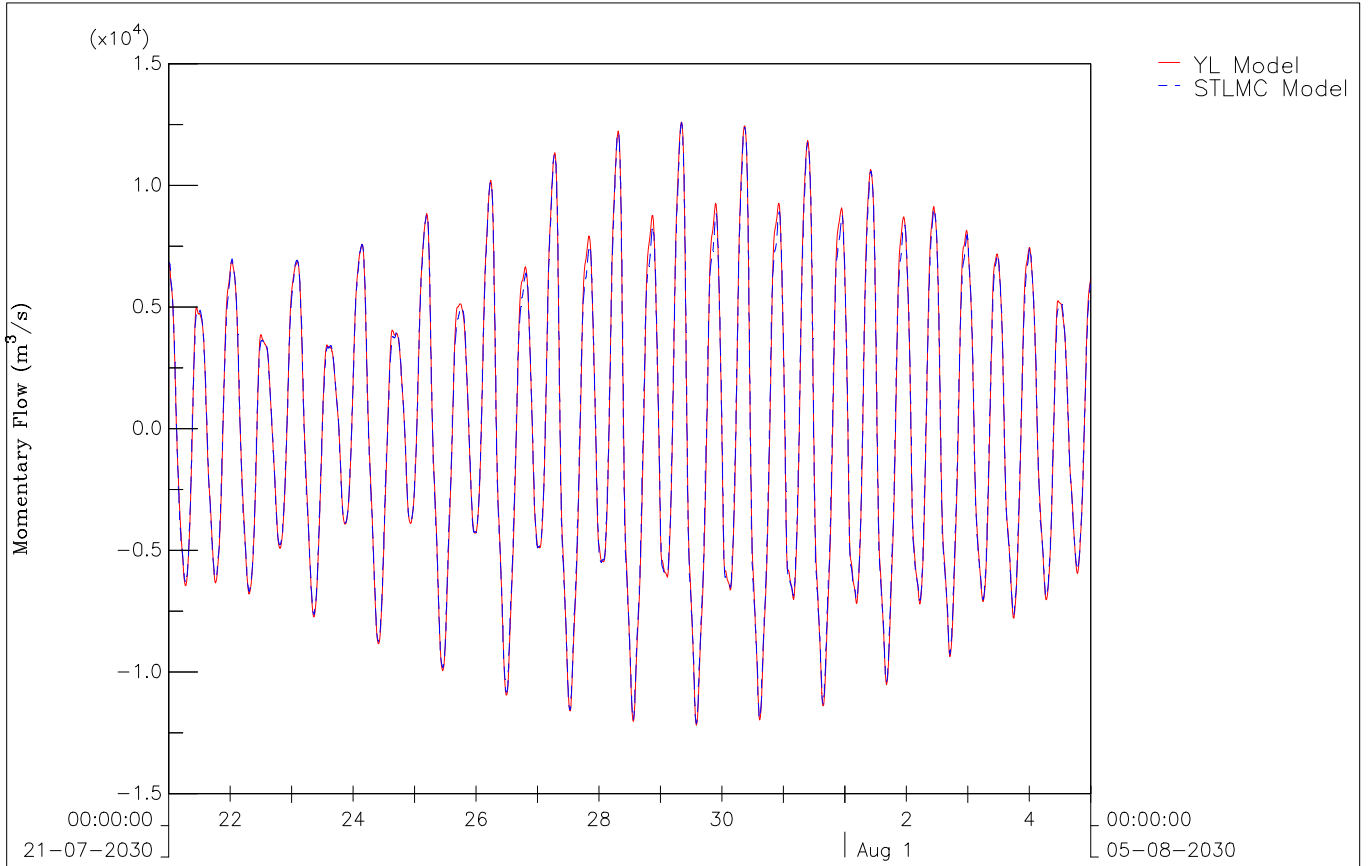
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	Appendix 5.2 – 13	
AECOM	/GPP/	Verf-w3.ssn



Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Surface, Mid-Depth and Bottom Salinity at DM5 for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Wet Season	MAR 2023
	Appendix 5.2 – 14	
AECOM	/GPP/	Verf-w3.ssn



Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Surface, Mid–Depth and Bottom Temperature at DM5 for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Wet Season	MAR 2023
	Appendix 5.2 – 15	
AECOM	/GPP/	Verf-w3.ssn



Agreement No. CE 20/2021 (CE) First Phase Development of The New Territories North – San Tin / Lok Ma Chau Development Node – Investigation Momentary Flow and Accumulated Flow through Cross Section for Yuen Long Model (YL Model) and San Tin / Lok Ma Chau Model (STLMC Model)	Wet Season	MAR 2023
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AECOM	/GPP/	Verf-w3.ssn