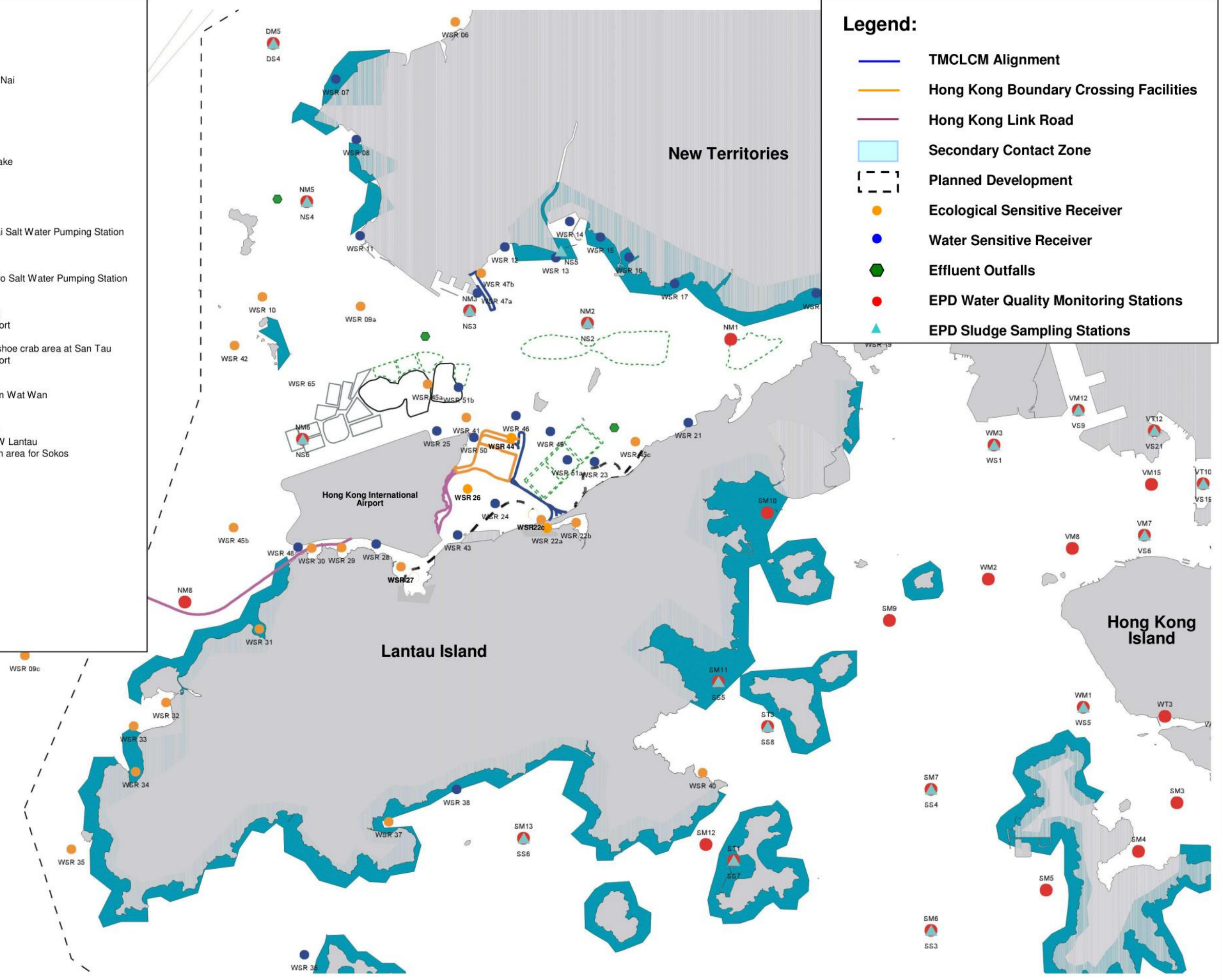


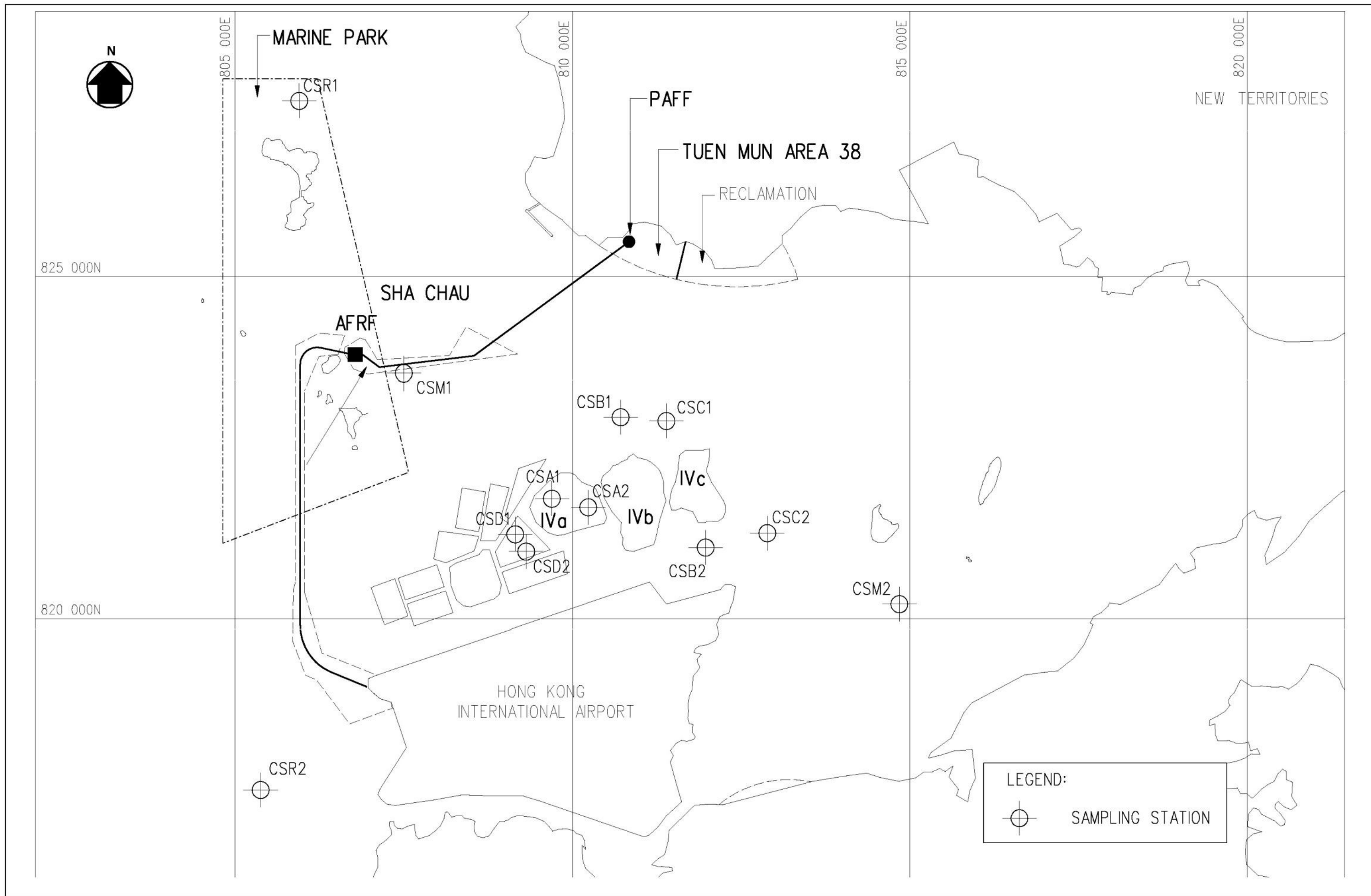
Sensitive Receivers

- WSR1 Mai Po and Inner Deep Bay Ramar Site
- WSR2 Tsim Bei Tsui SSSI
- WSR3 Oyster bed near Lau Fau Shan
- WSR4 Mangrove near Ngau Hom Shek
- WSR5 Seagrass and Horseshoe Crab area in Pak Nai
- WSR6 Pak Nai SSSI
- WSR7 Cooling water intake at Black Point
- WSR8 Non-gazetted beach
- WSR9a Urmston Road (Main Channel)
- WSR9b-d Chinese White Dolphin (Mainland Water)
- WSR10 Sha Chau Lung Kwu Chau Marine Park
- WSR11 Castle Peak Power Station Colling Water Intake
- WSR12 Butterfly Beach
- WSR13 WSD seawater intake at Tuen Mun
- WSR14 Tuen Mun Typhoon shelter
- WSR15 Gazetted beaches at Tuen Mun
- WSR16 Gold Coast Marina
- WSR17 Seawater intake for the Proposed Lok On Pai Salt Water Pumping Station
- WSR18 Gazetted beaches along Castle Peak Road
- WSR19 Gazetted beaches at Ma Wan
- WSR20 Fish Culture Zone at Ma Wan
- WSR21 Seawater intake for the Proposed Ta Pang Po Salt Water Pumping Station
- WSR22a-b Tai Ho Wan (near Tai Ho Stream SSSI)
- WSR23 Future seawater inlet for proposed LLP
- WSR24 Future seawater intake point for Tung Chung
- WSR25 Cooling water intake at HK International Airport
- WSR26 South of HKBCF
- WSR27 San Tau Beach SSSI / mangrove and horseshoe crab area at San Tau
- WSR28 Cooling water intake at HK International Airport
- WSR29 Horseshoe crab area in Hau Hok Wan
- WSR30 Horseshoe crab area in Sha Lo Wan
- WSR31 Mangrove and Horseshoe Crab area at Sham Wat Wan
- WSR32 Mangrove near Tai O
- WSR33 Tai O Bay
- WSR34 Mangrove and Horseshoe Crab area at Yi O
- WSR35 Potential marine park / marine reserve for SW Lantau
- WSR36 Potential inshore water protection / recreation area for Sokos
- WSR37 Horseshoe Crab area at Shui Hau
- WSR38 Gazetted beach on south Lantau
- WSR39 Finless Porpoise Area
- WSR40 Cheung Sha Wan Fish Culture Zone
- WSR41 Artificial reef deployment site at Airport
- WSR42 Artificial reef deployment site at Sha Chau
- WSR43 Seawater intake at Tung Chung
- WSR44 Future HKBCF Intake
- WSR45a-b Marine benthos
- WSR45c Sham Shui Kok
- WSR46 Tai Mo To deep water channel
- WSR47a-b Reclamation area of TMCLKL
- WSR48 Airport Channel western end
- WSR49 Dolphin habitat near Tai Mo To
- WSR50 Potential embayed area for HKBCF
- WSR51a-b Proposed CMPs

Legend:

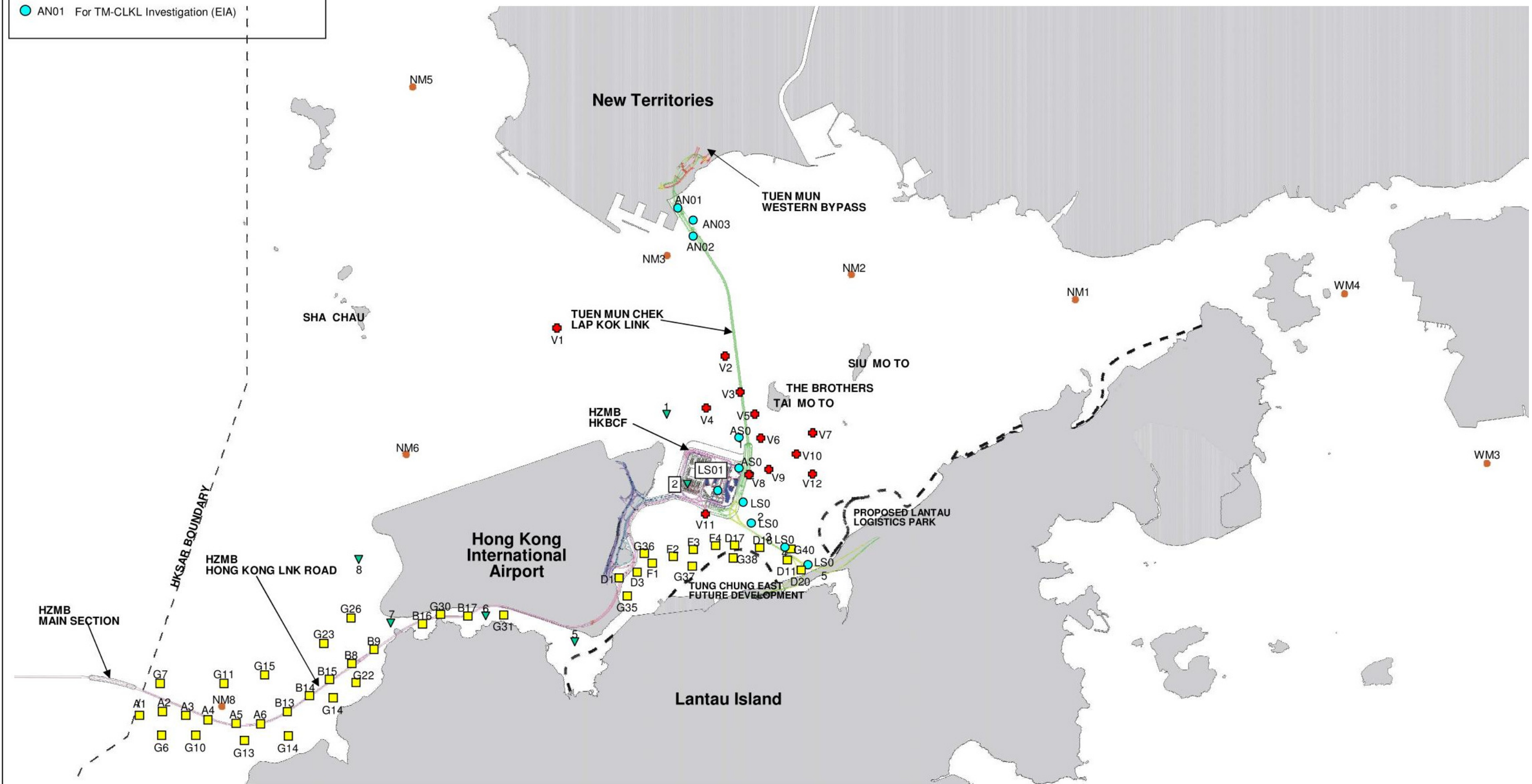
- TMCLCM Alignment
- Hong Kong Boundary Crossing Facilities
- Hong Kong Link Road
- Secondary Contact Zone
- Planned Development
- Ecological Sensitive Receiver
- Water Sensitive Receiver
- Effluent Outfalls
- EPD Water Quality Monitoring Stations
- ▲ EPD Sludge Sampling Stations



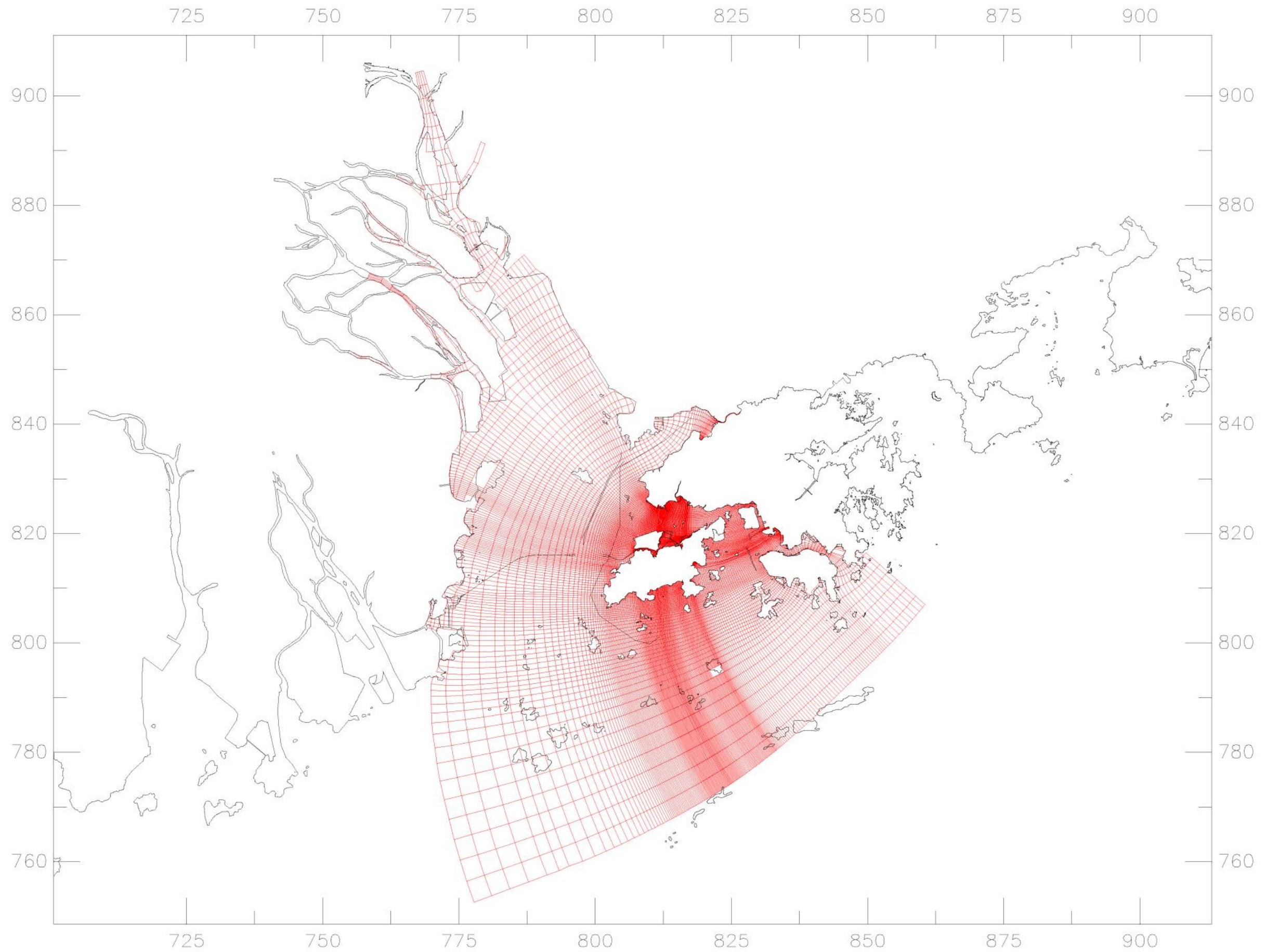


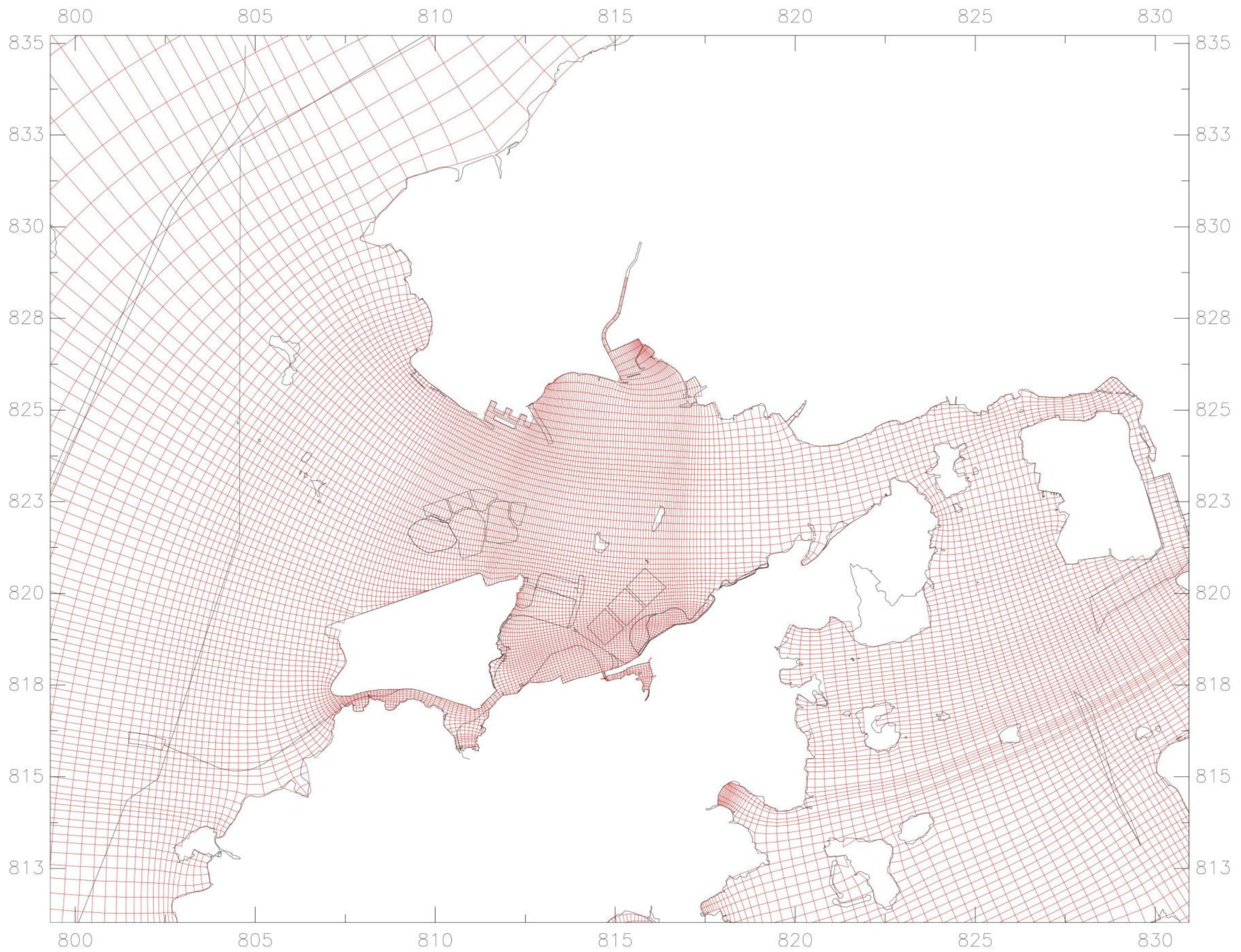
**LEGENDS**

- NW3 For EPD's Sediment Quality Monitoring
- V1 For New Contaminated Mud Disposal Facility (EIA)
- ▼ 1 For Airport Authority of Hong Kong Monitoring
- A1 For HZMB Investigation (EIA)
- AN01 For TM-CLKL Investigation (EIA)

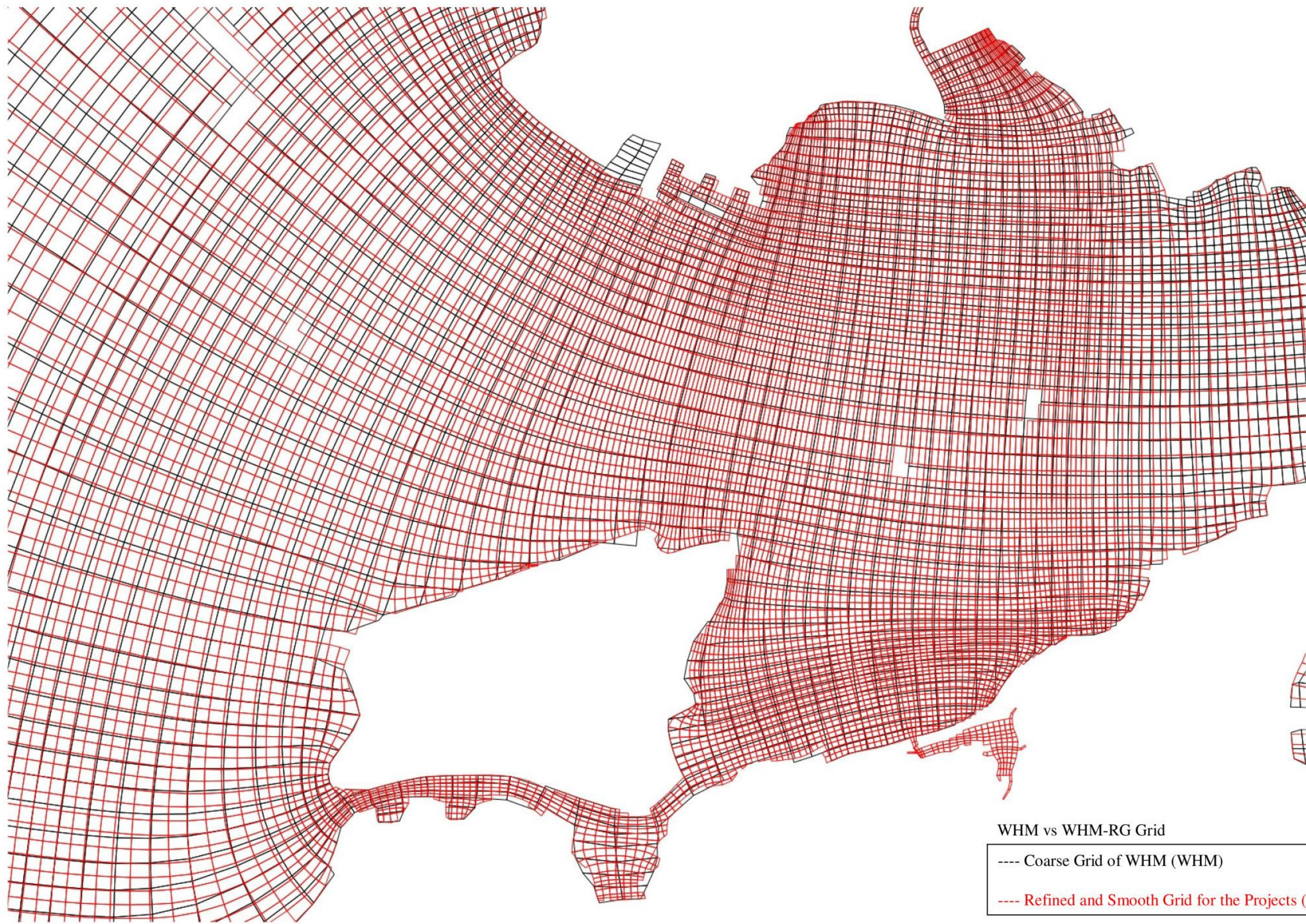








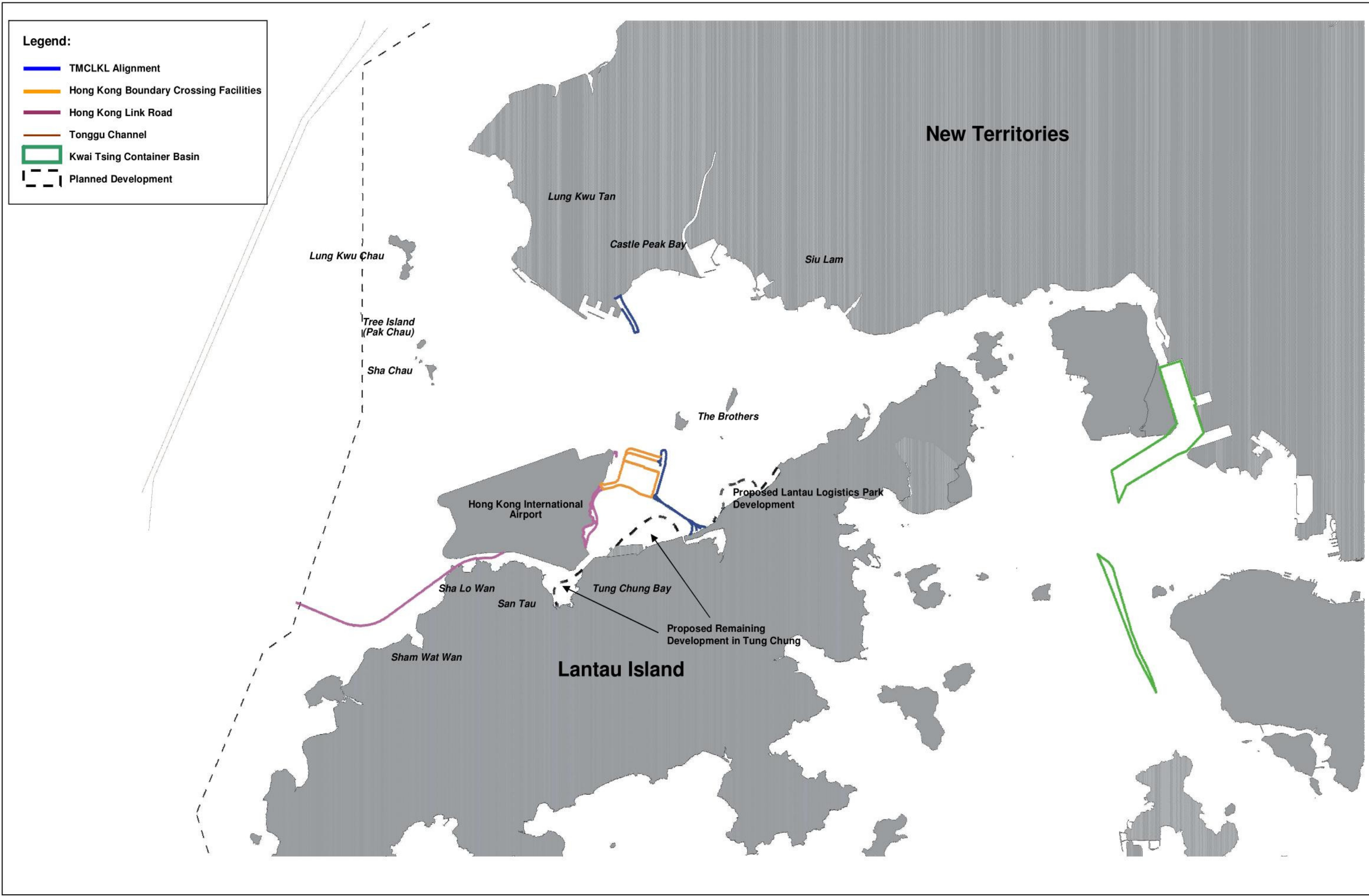
Refined Model Grid (WHM-RG)

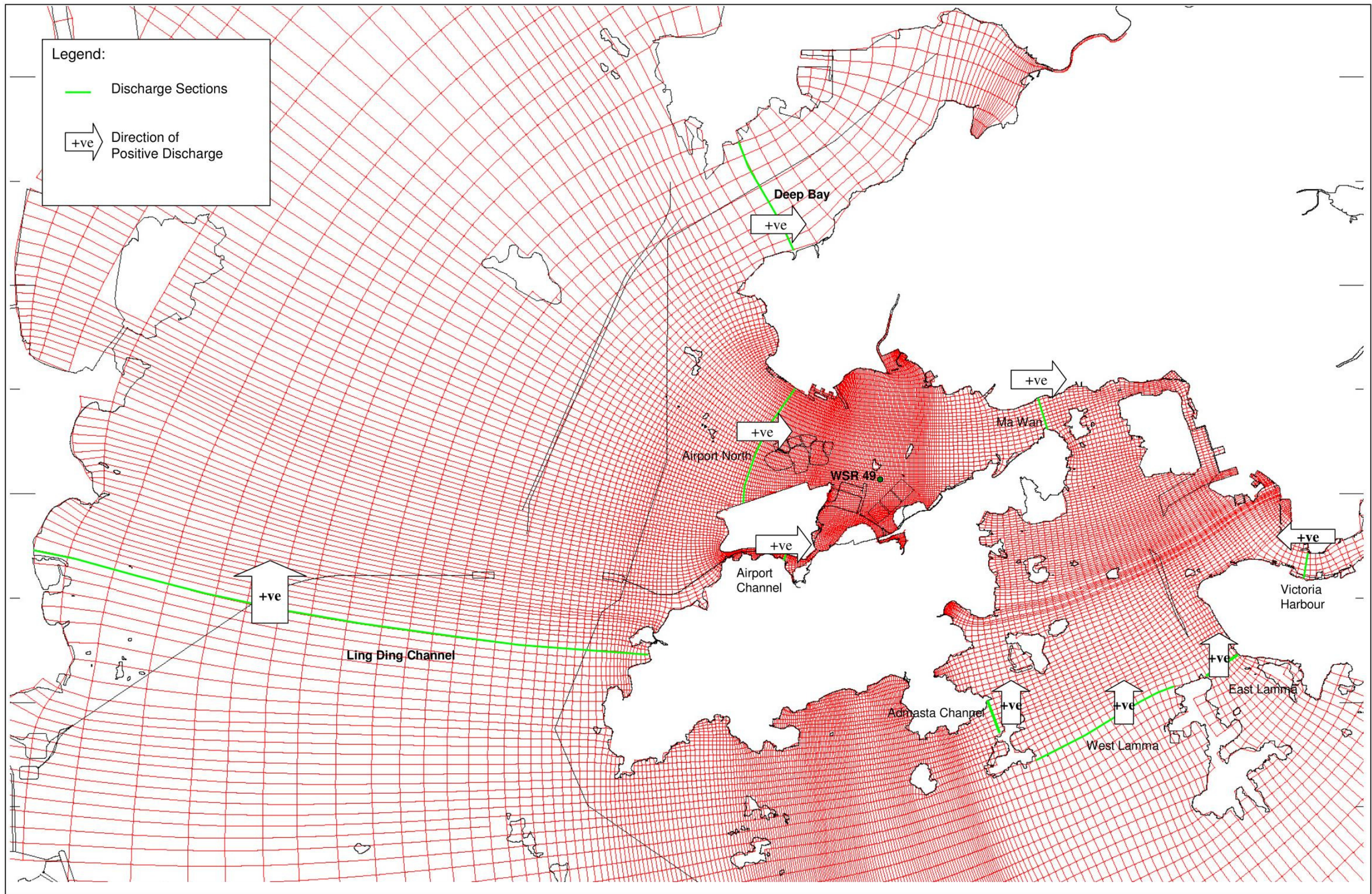


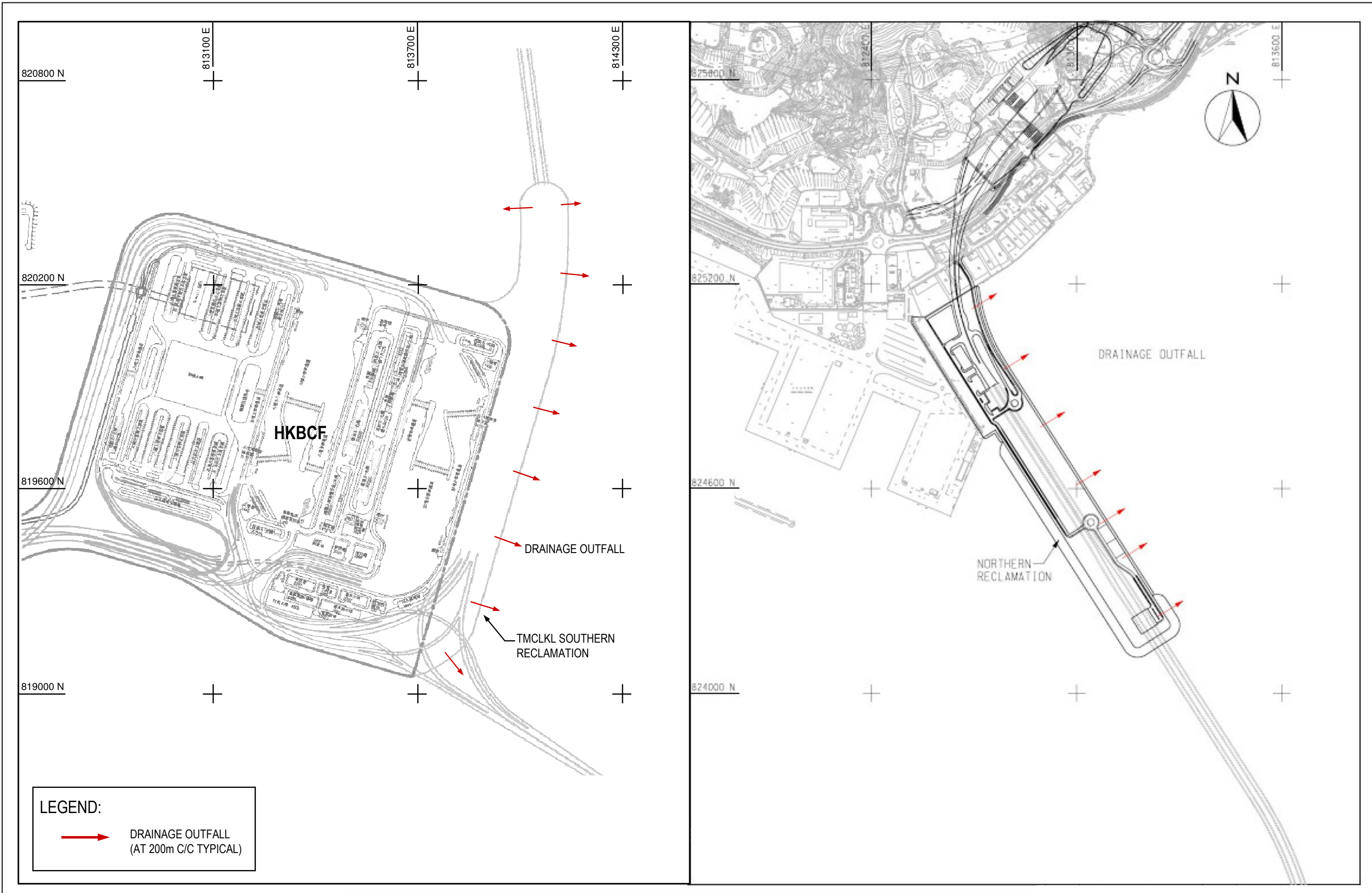
WHM vs WHM-RG Grid

---- Coarse Grid of WHM (WHM)

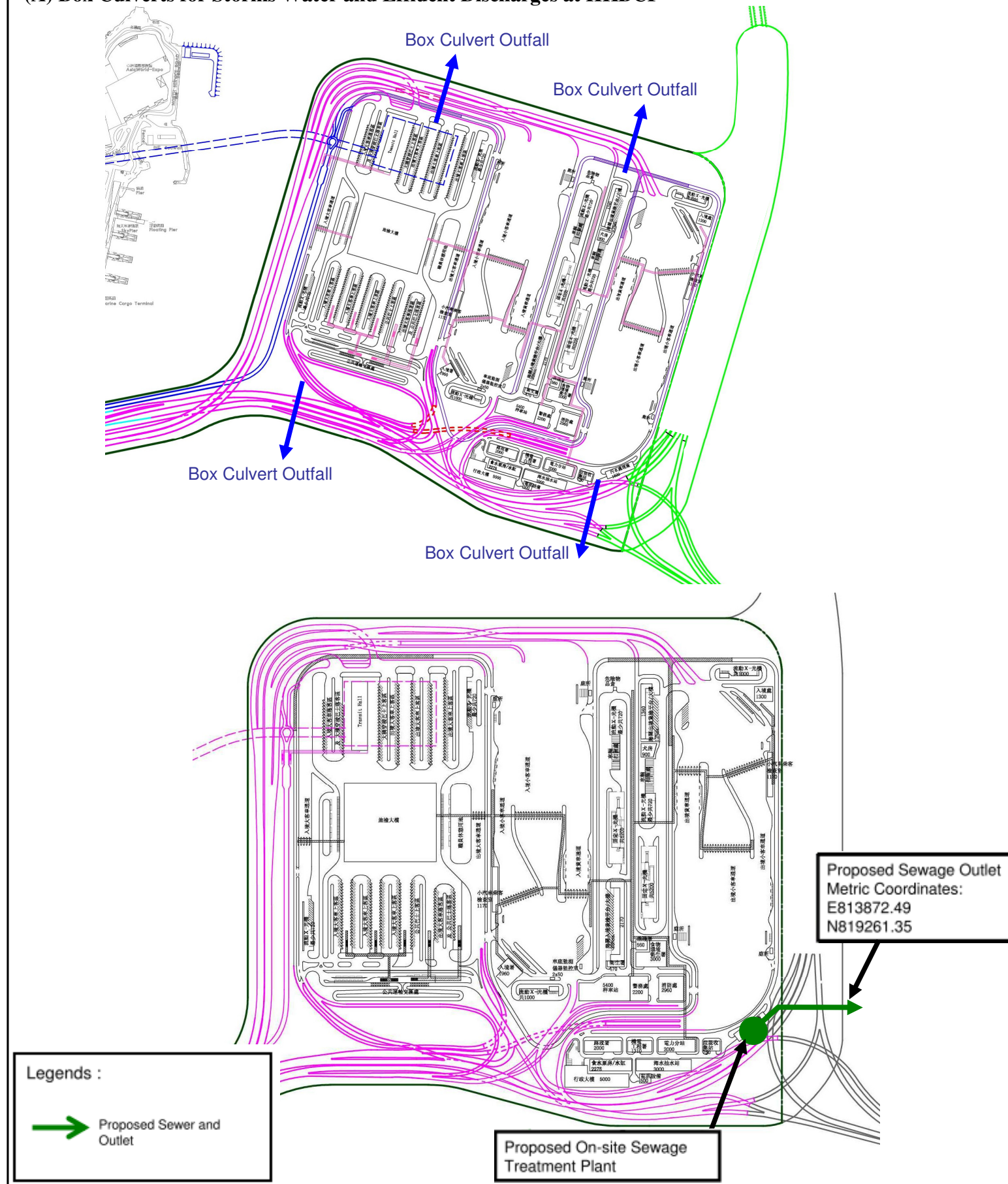
---- Refined and Smooth Grid for the Projects (WHM-RG)



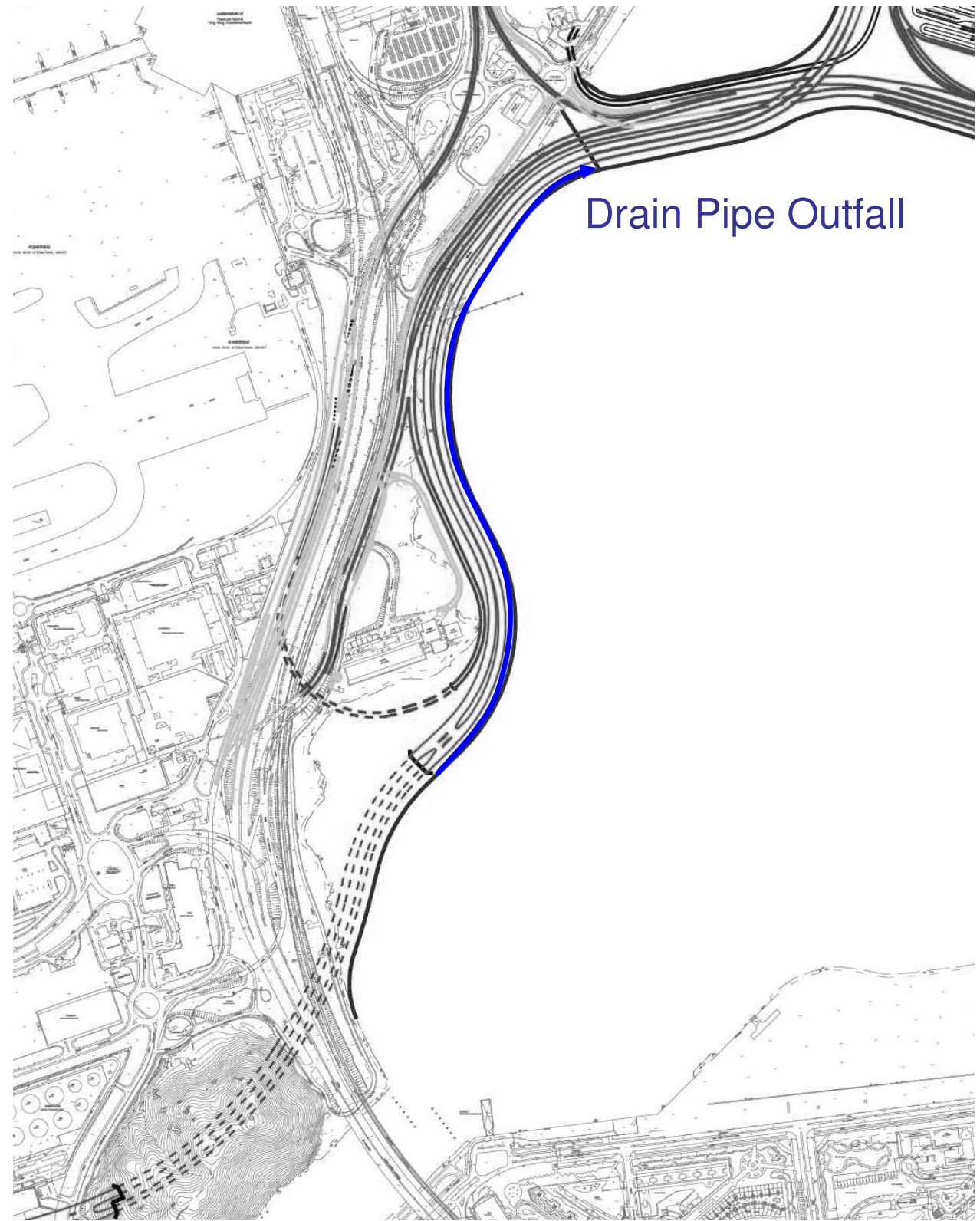




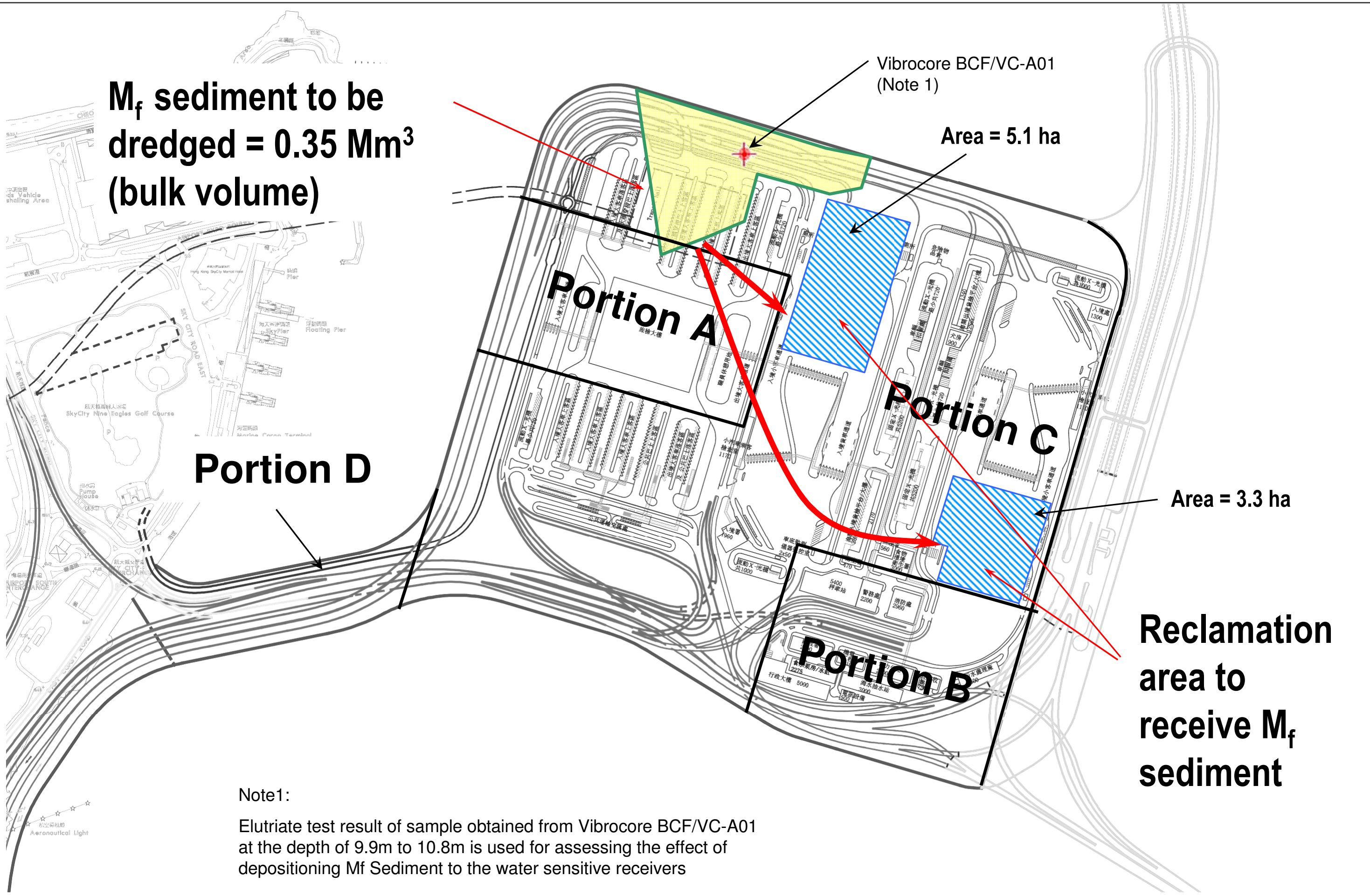
(A) Box Culverts for Storms Water and Effluent Discharges at HKBCF



(A) Box Culverts for Storms Water at HKLR



**M<sub>f</sub> sediment to be dredged = 0.35 Mm<sup>3</sup> (bulk volume)**



Note1:

Elutriate test result of sample obtained from Vibrocore BCF/VC-A01 at the depth of 9.9m to 10.8m is used for assessing the effect of depositing M<sub>f</sub> Sediment to the water sensitive receivers



**Typical Plan for pit to receive  $M_f$  sediment in HKBCF**

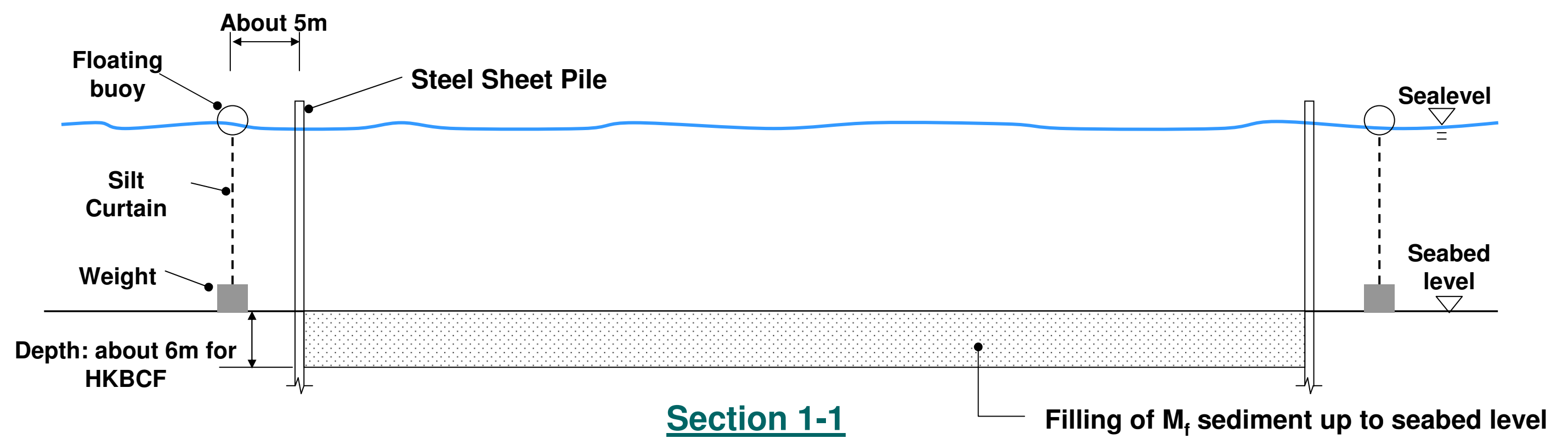
Pit to receive  $M_f$  sediment

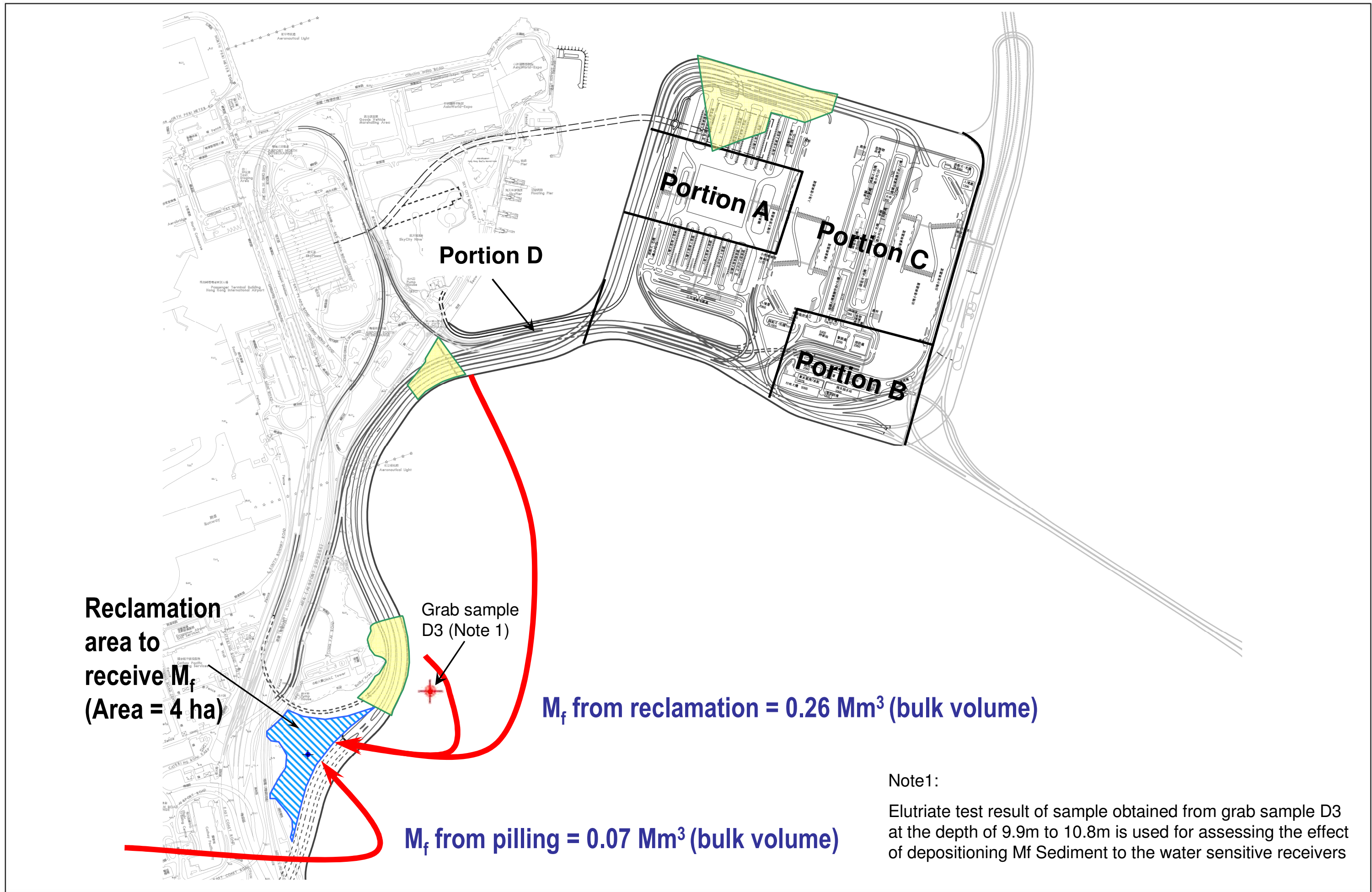
Marine access to the pit

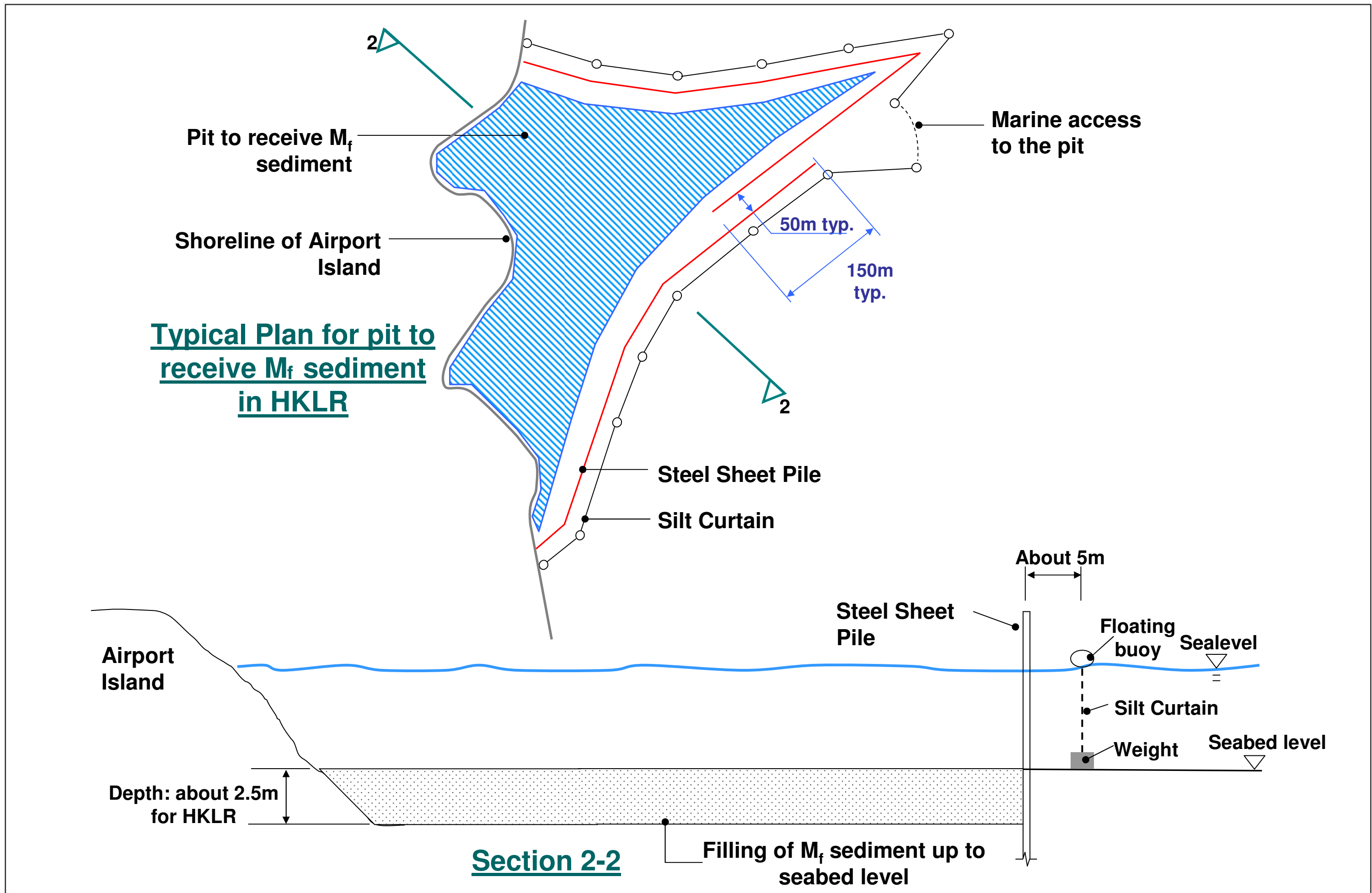
150m typ.

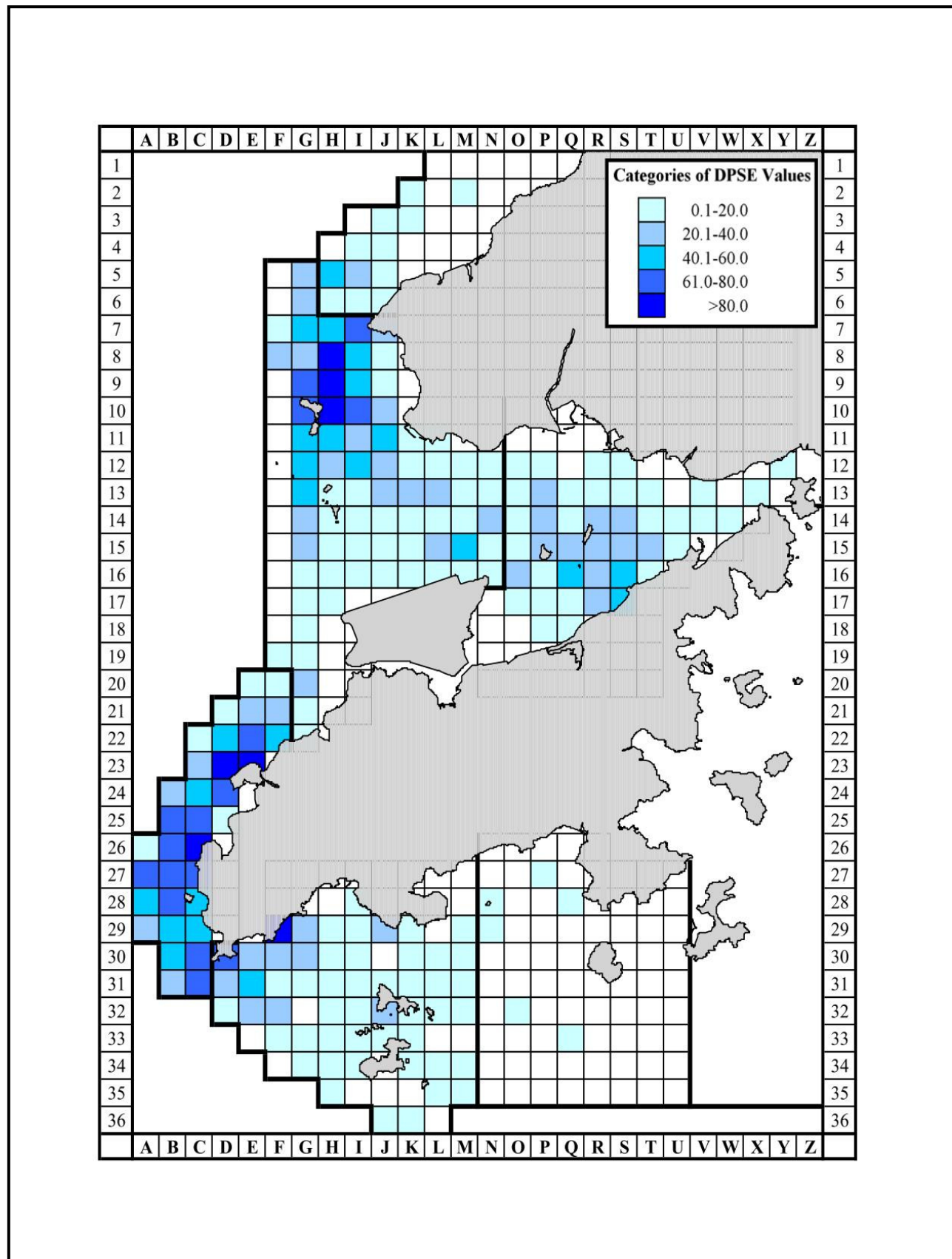
50m typ.

Steel Sheet Pile Silt Curtain

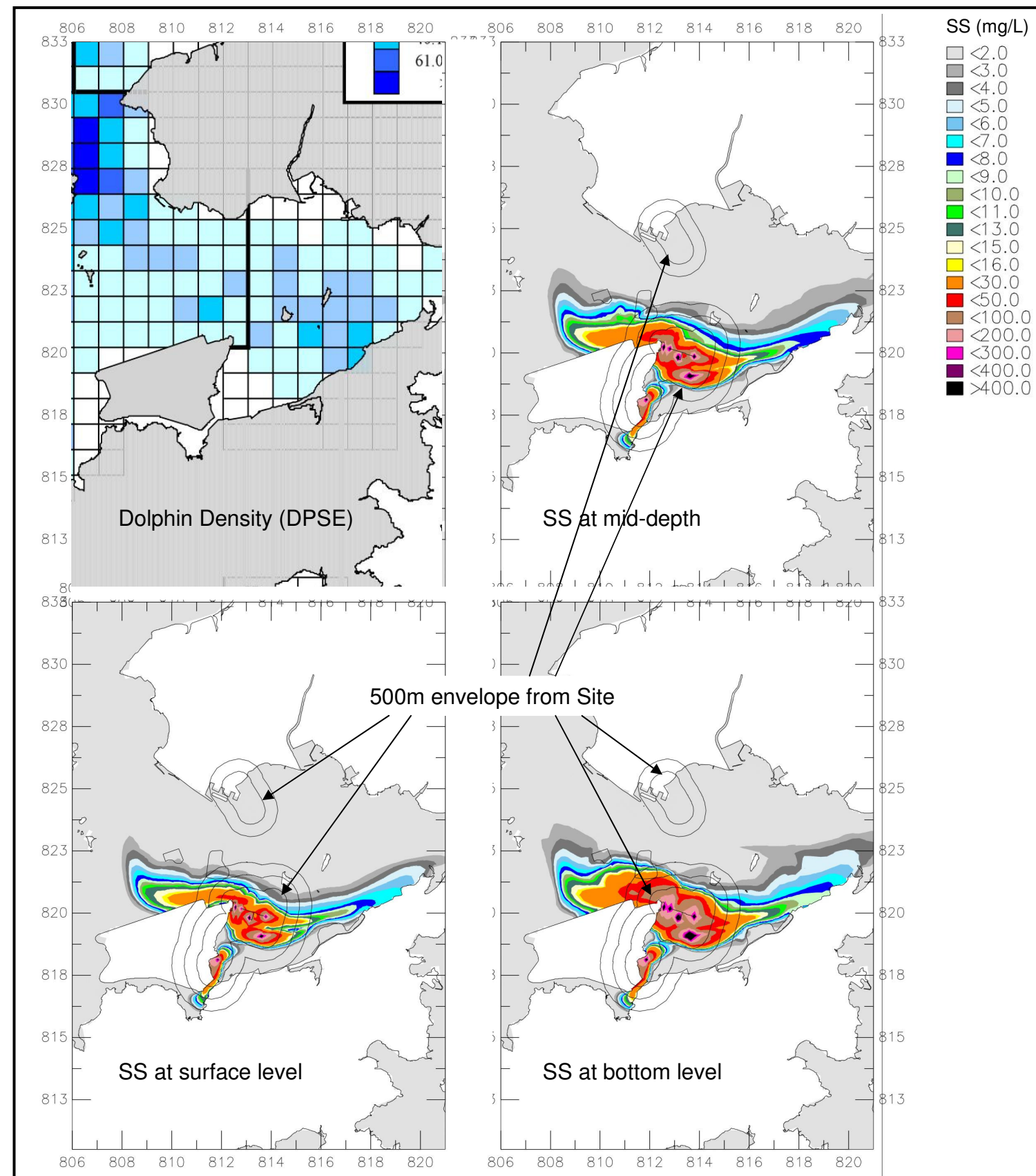






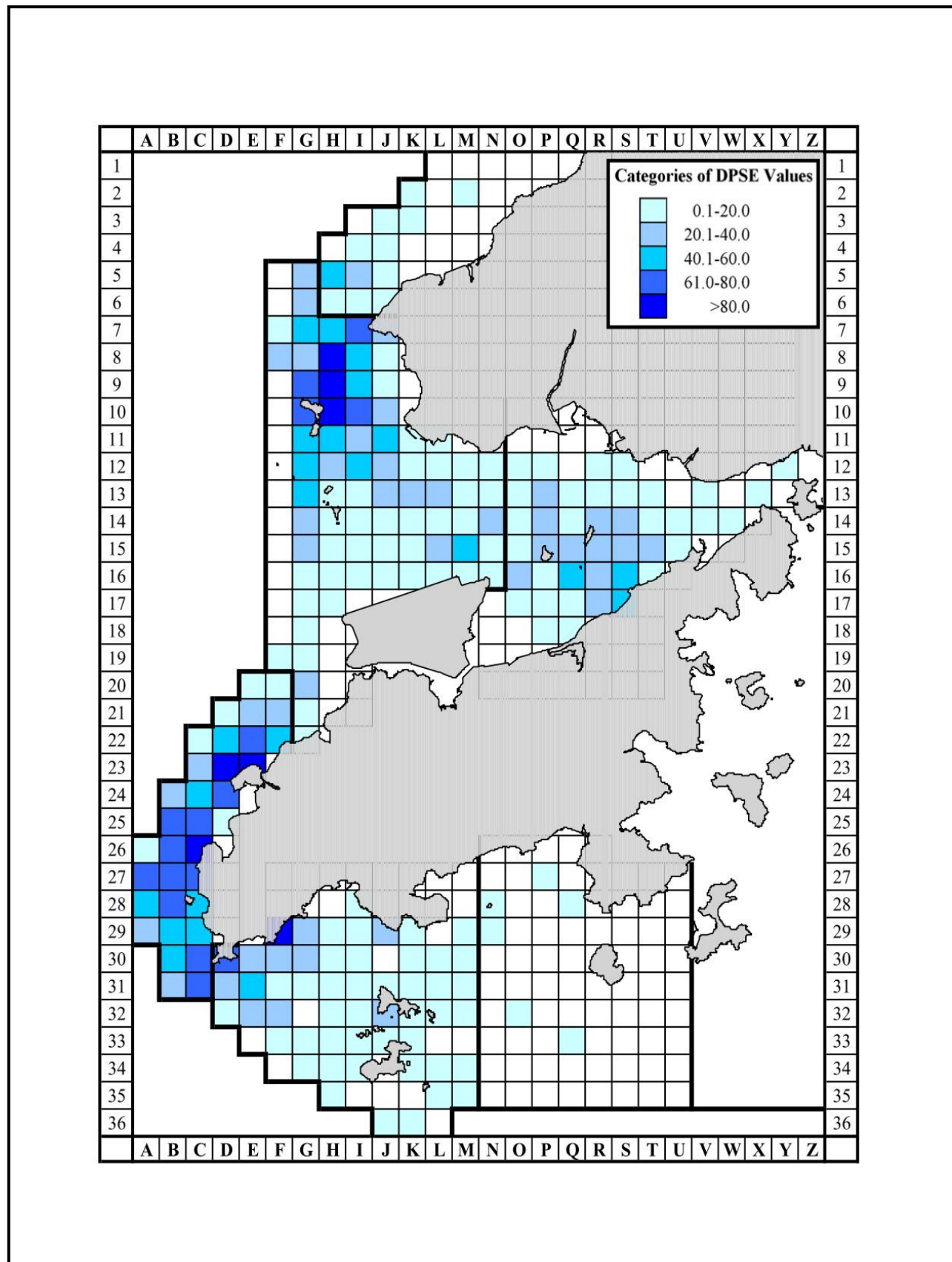


A) 2002-08 DPSE Density of Chinese White Dolphins

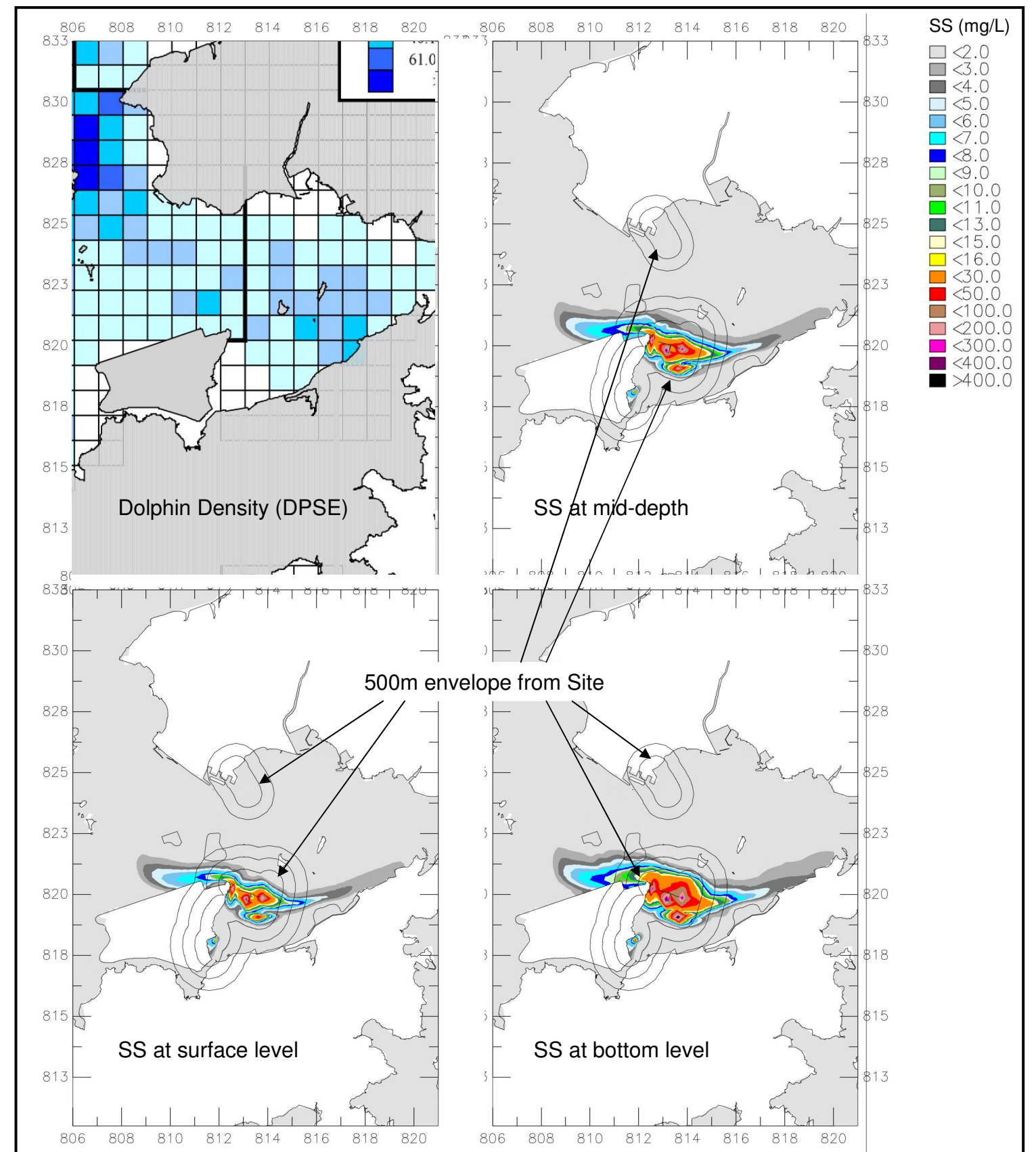


B) Unmitigated Scenario

Note: The contour shows the predicted highest SS concentration over the whole simulation period and such a level may only be predicted for a very short period of time.

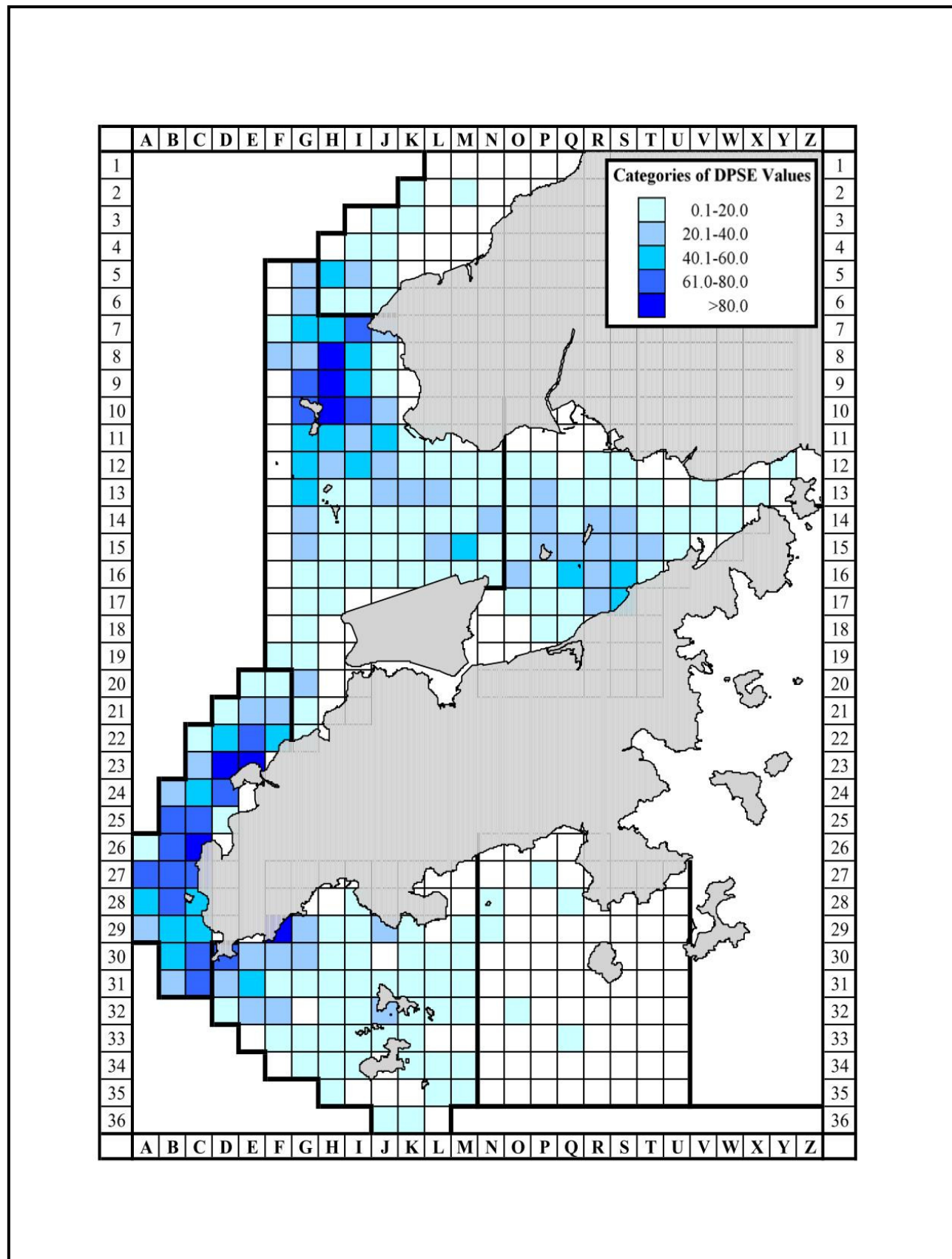


A) 2002-08 DPSE Density of Chinese White Dolphins

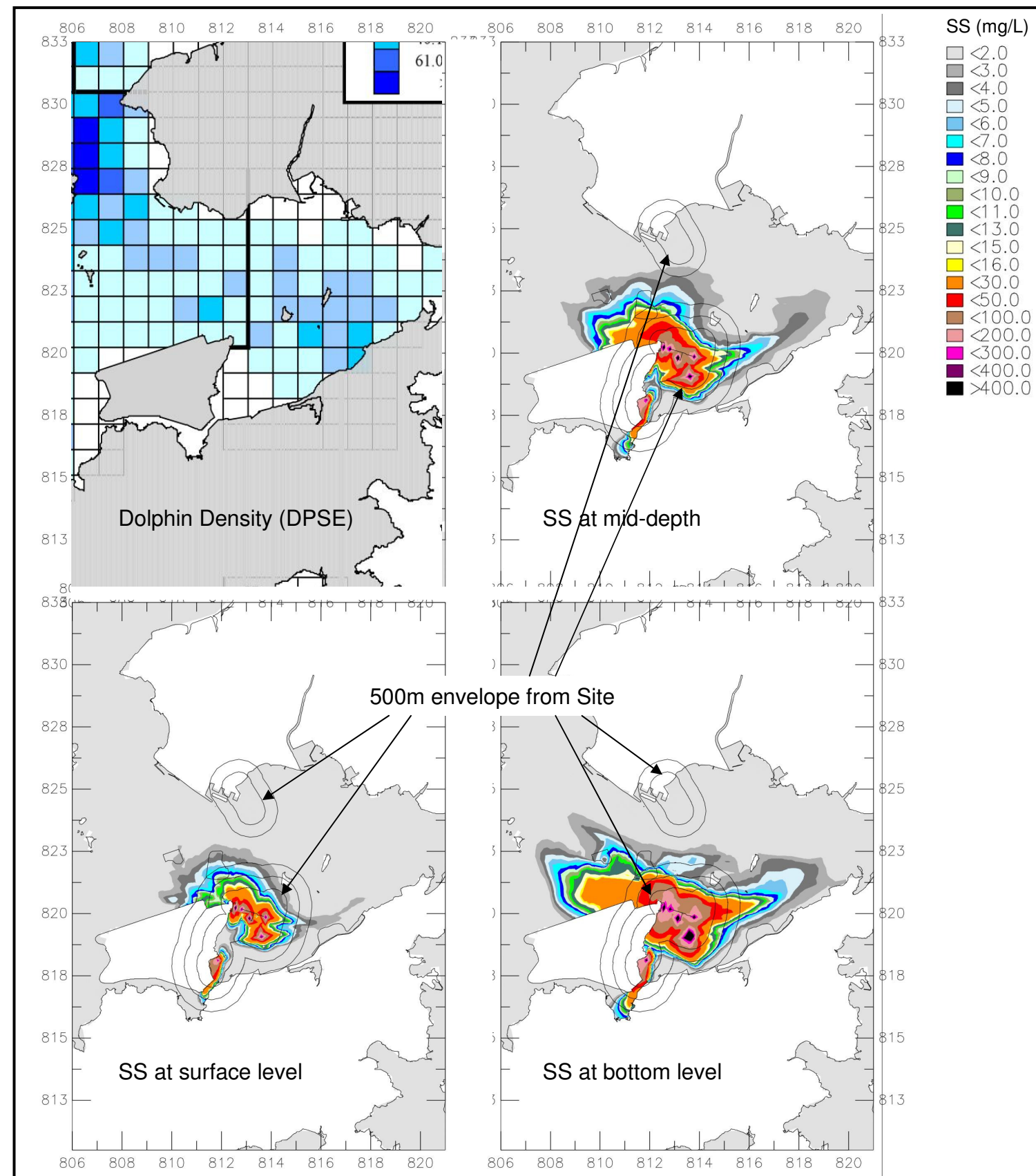


B) After mitigation with (1+1) silt curtain system

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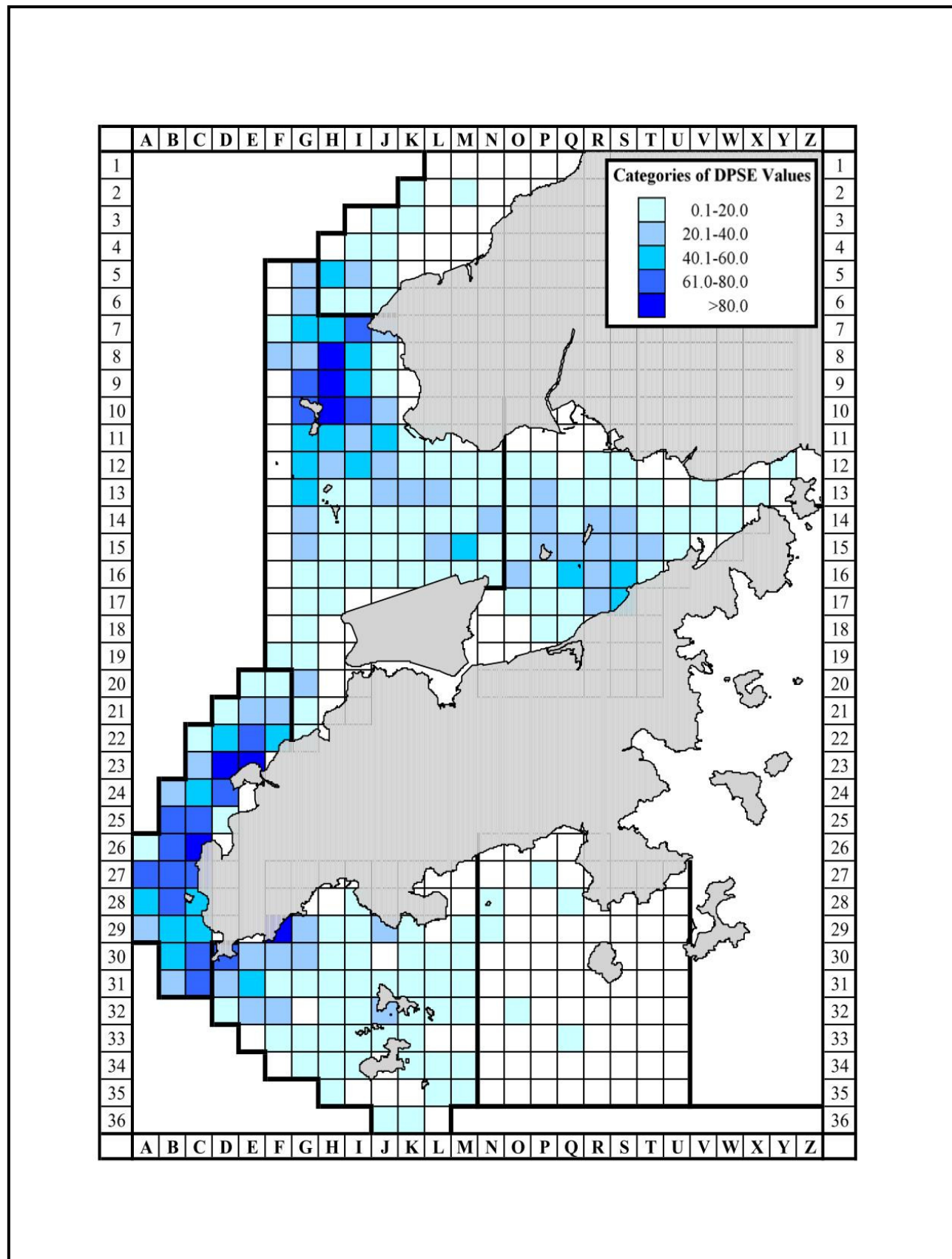


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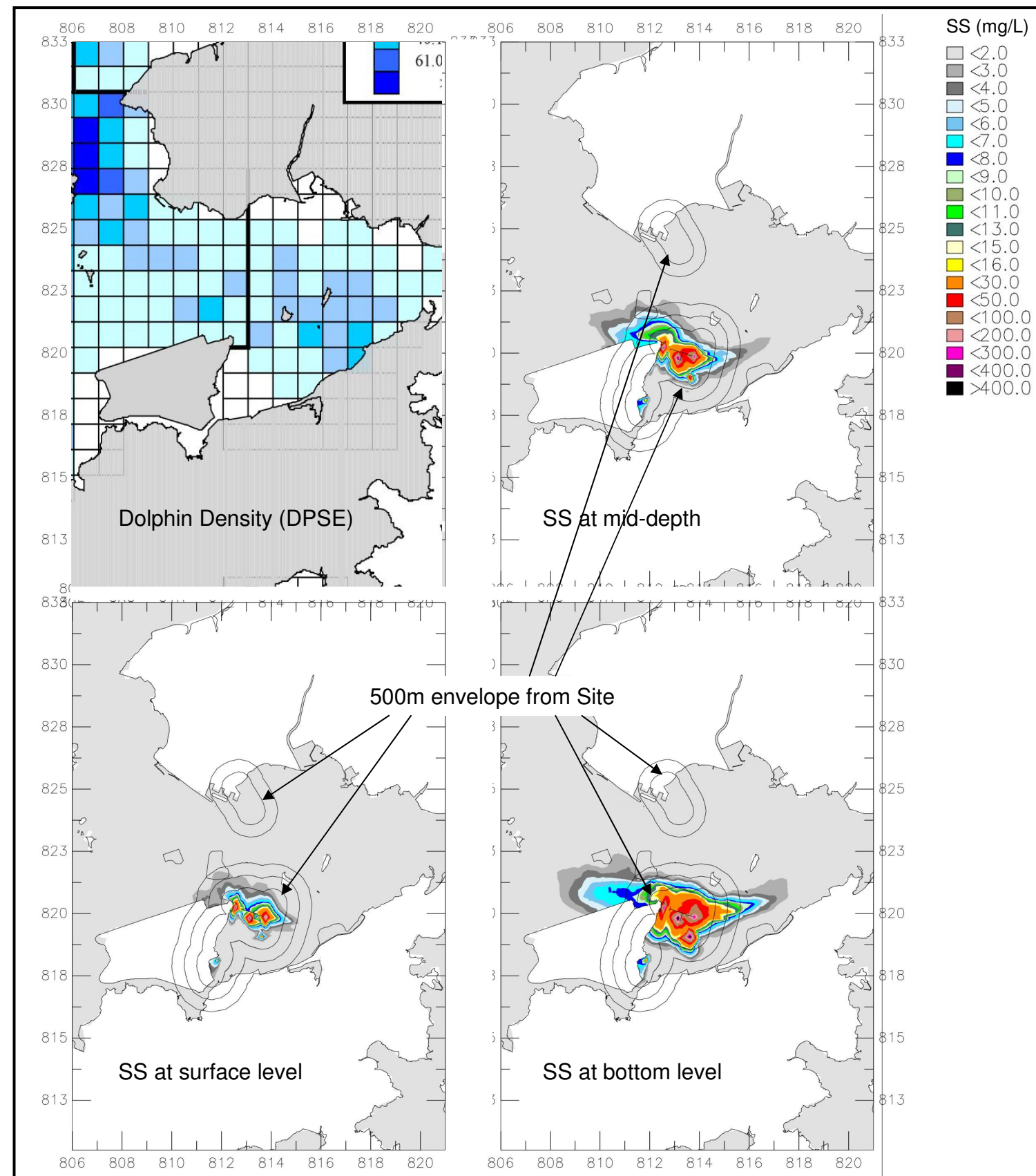


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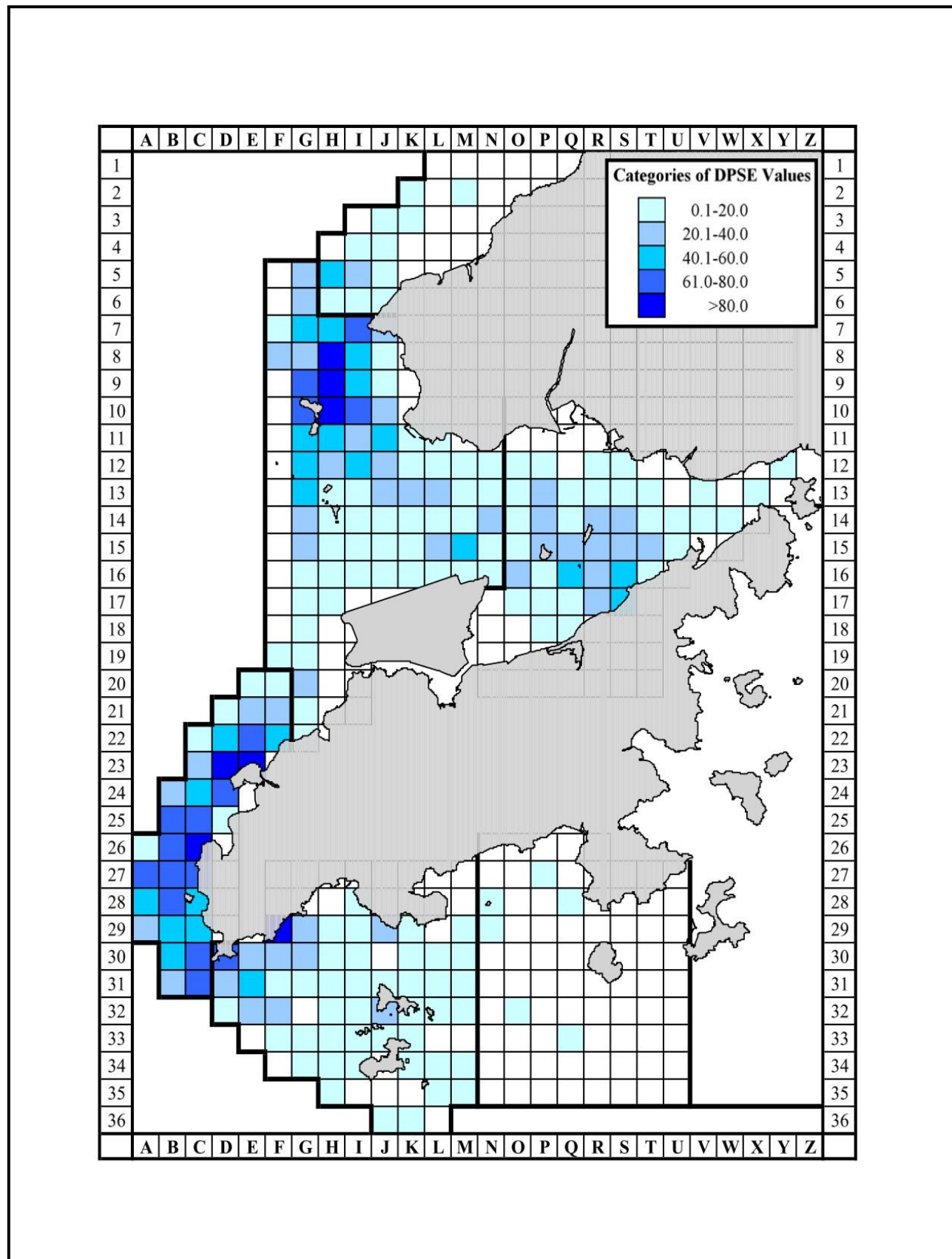


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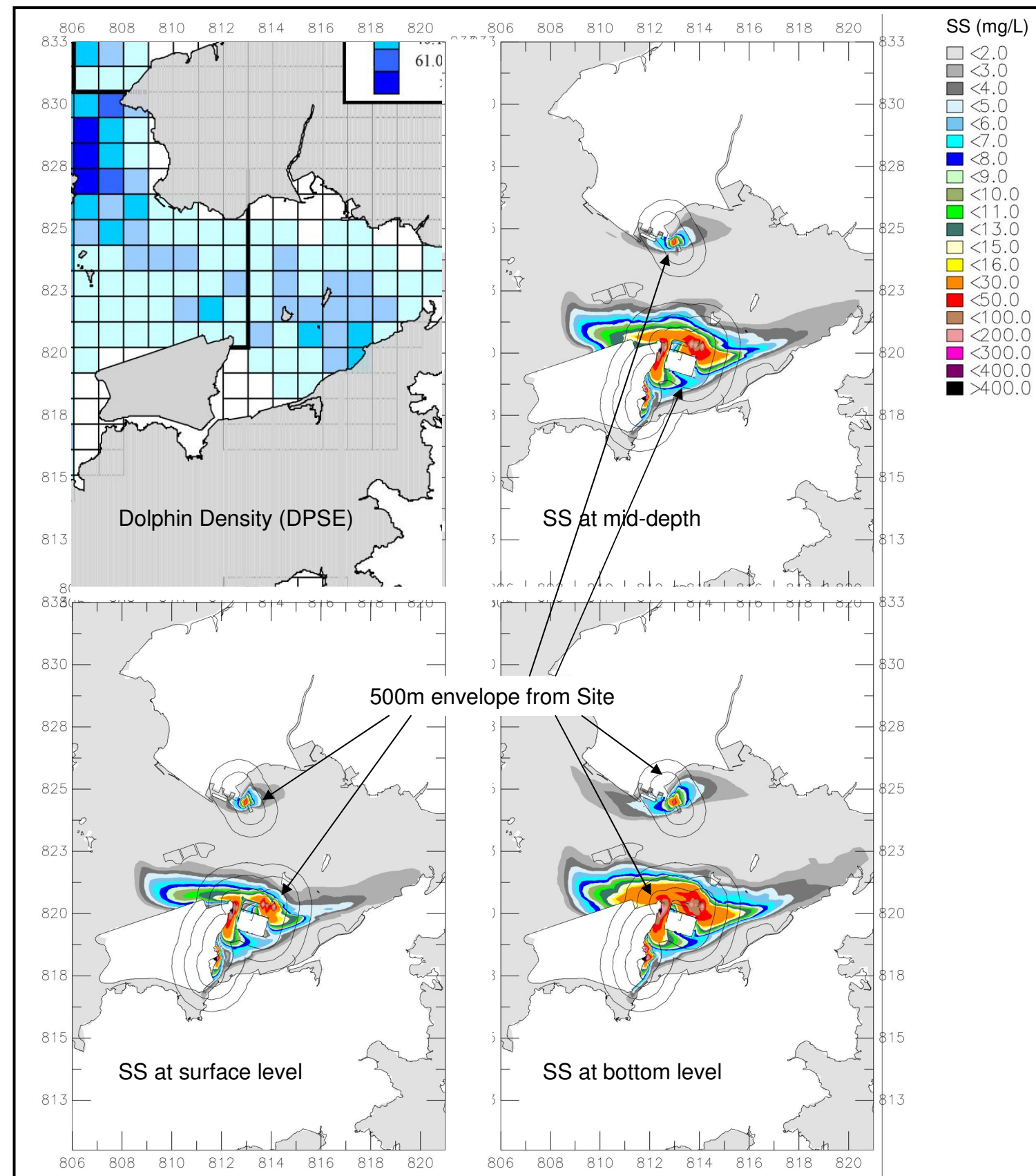


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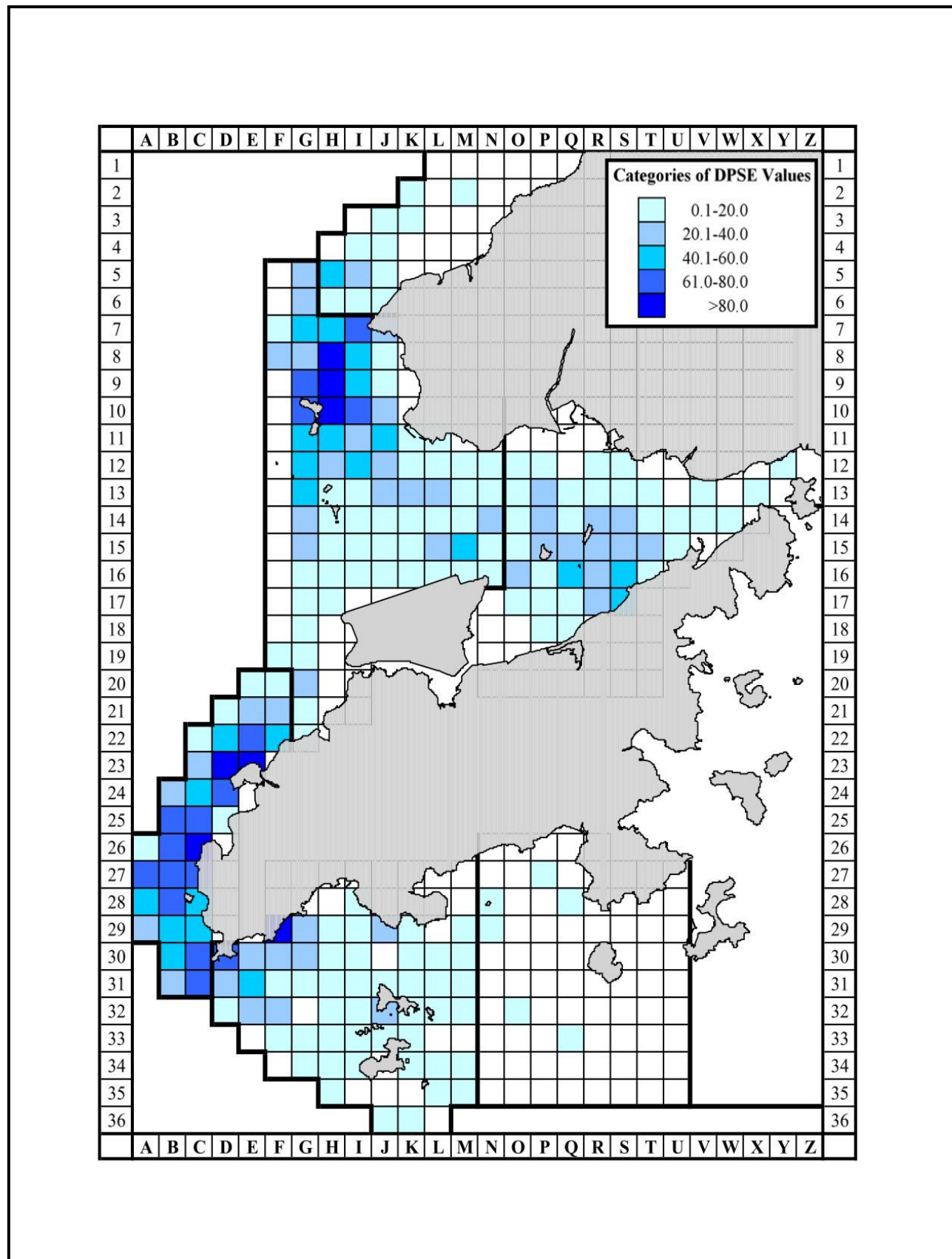
A) 2002-08 DPSE Density of Chinese White Dolphins



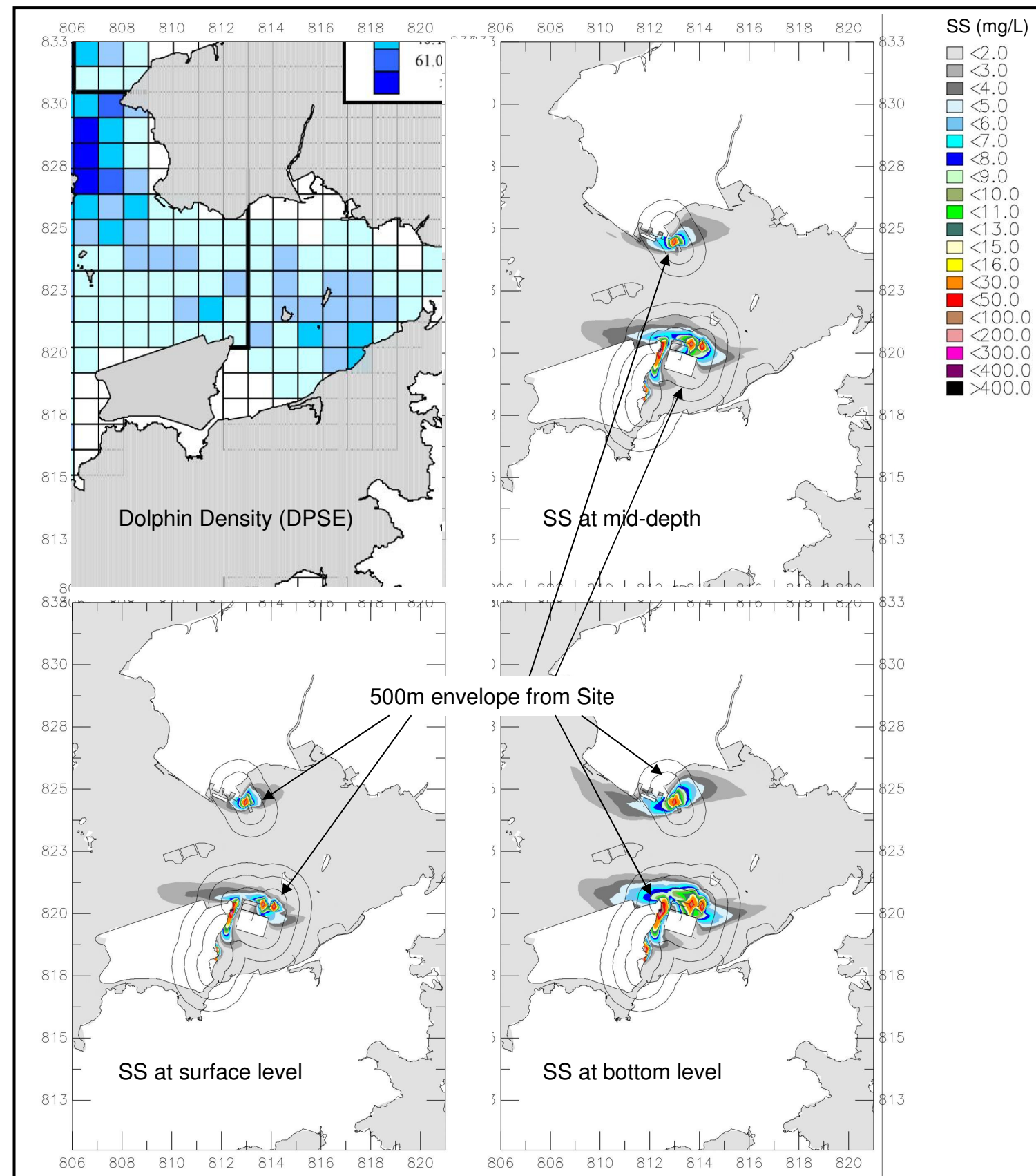
B) Unmitigated Scenario

Note: The contour shows the predicted highest SS concentration over the whole simulation period and such a level may only be predicted for a very short period of time.



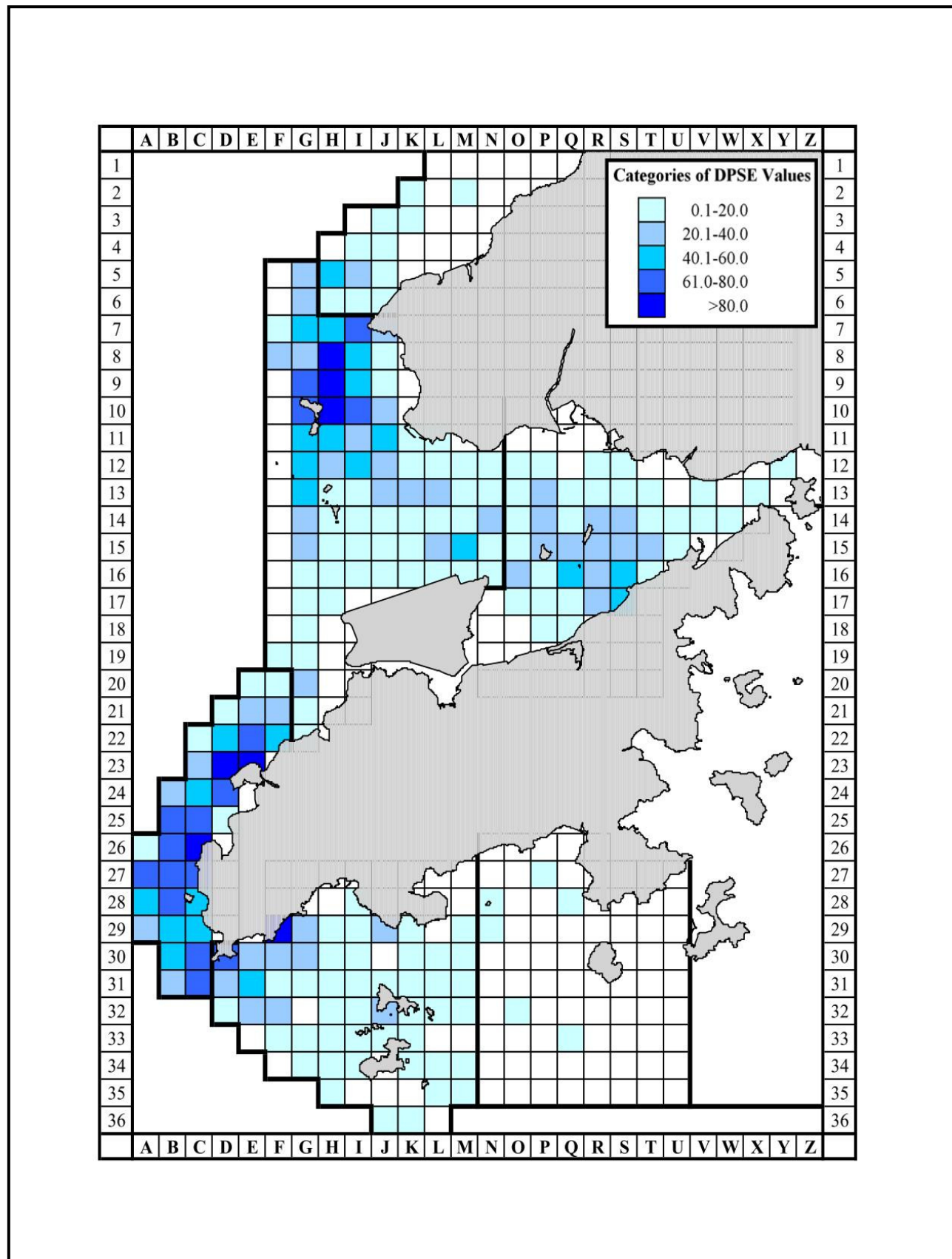


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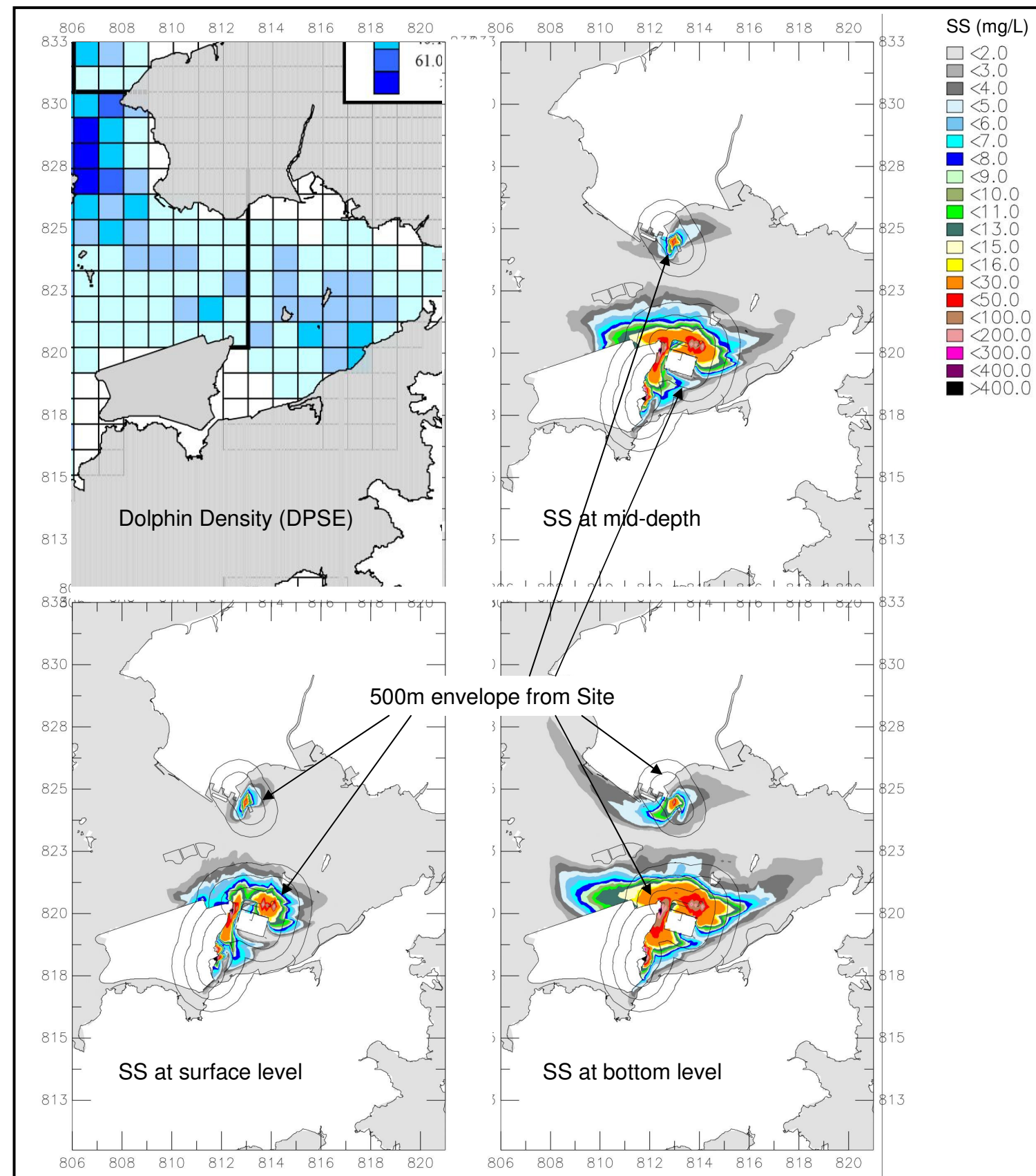


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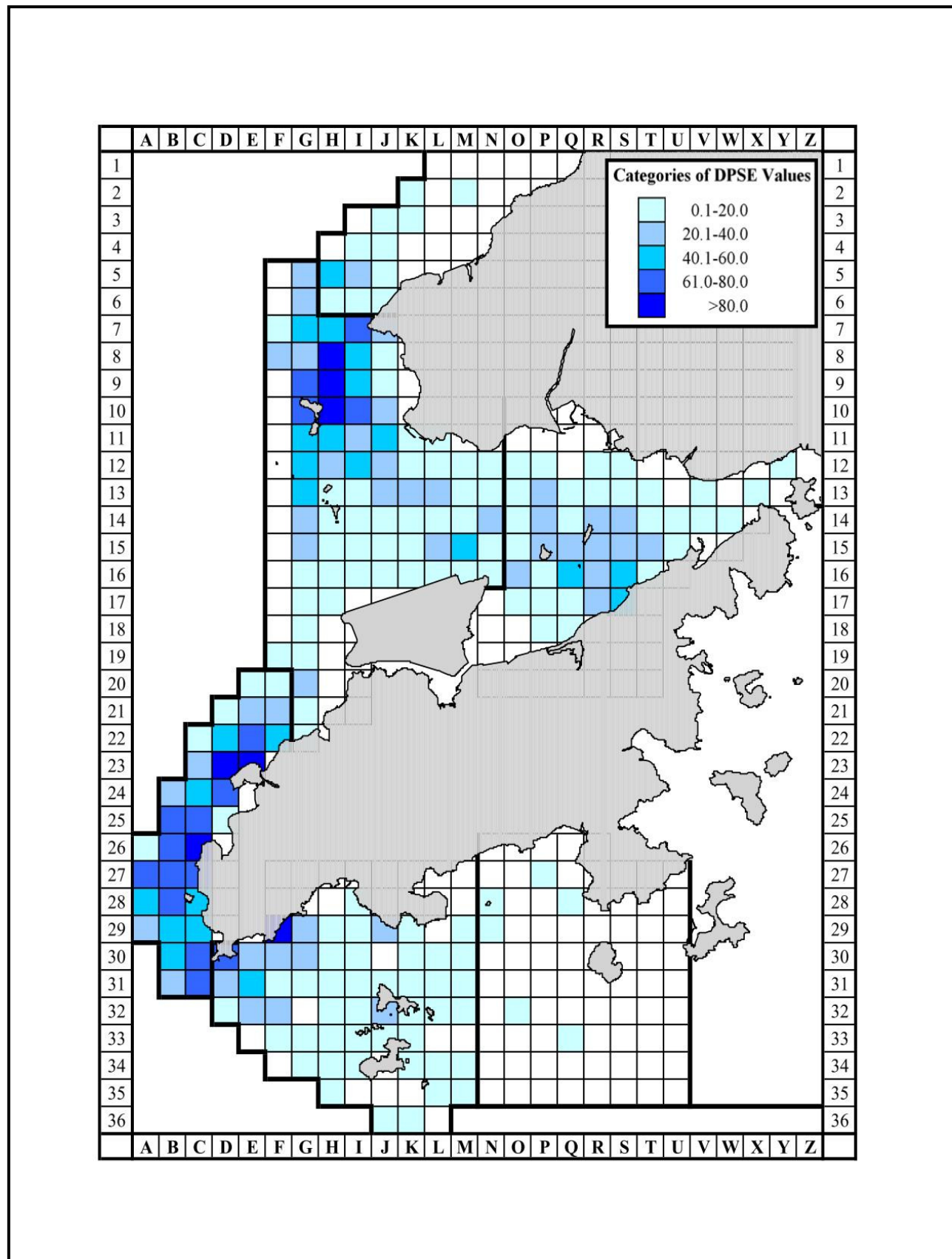


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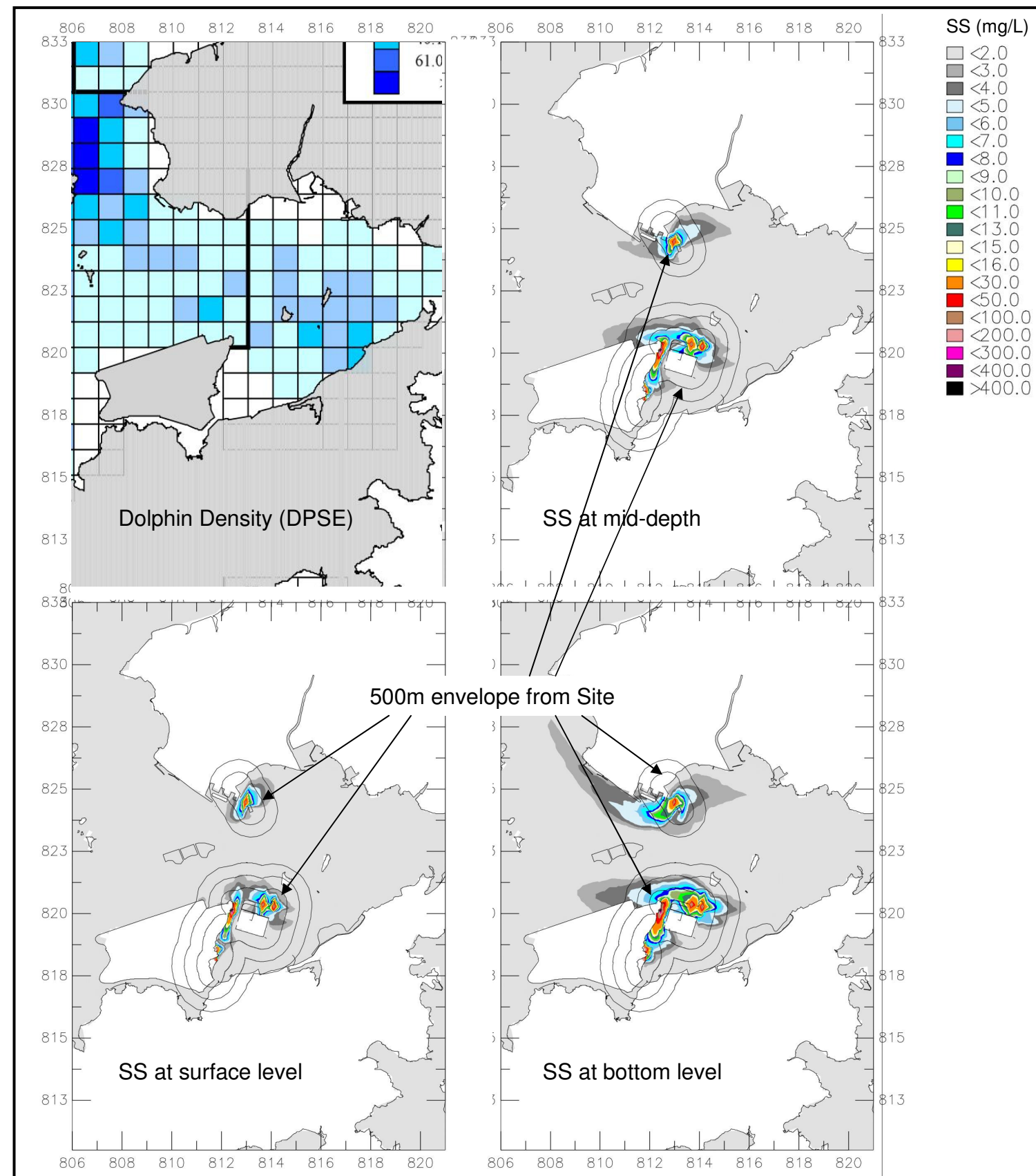


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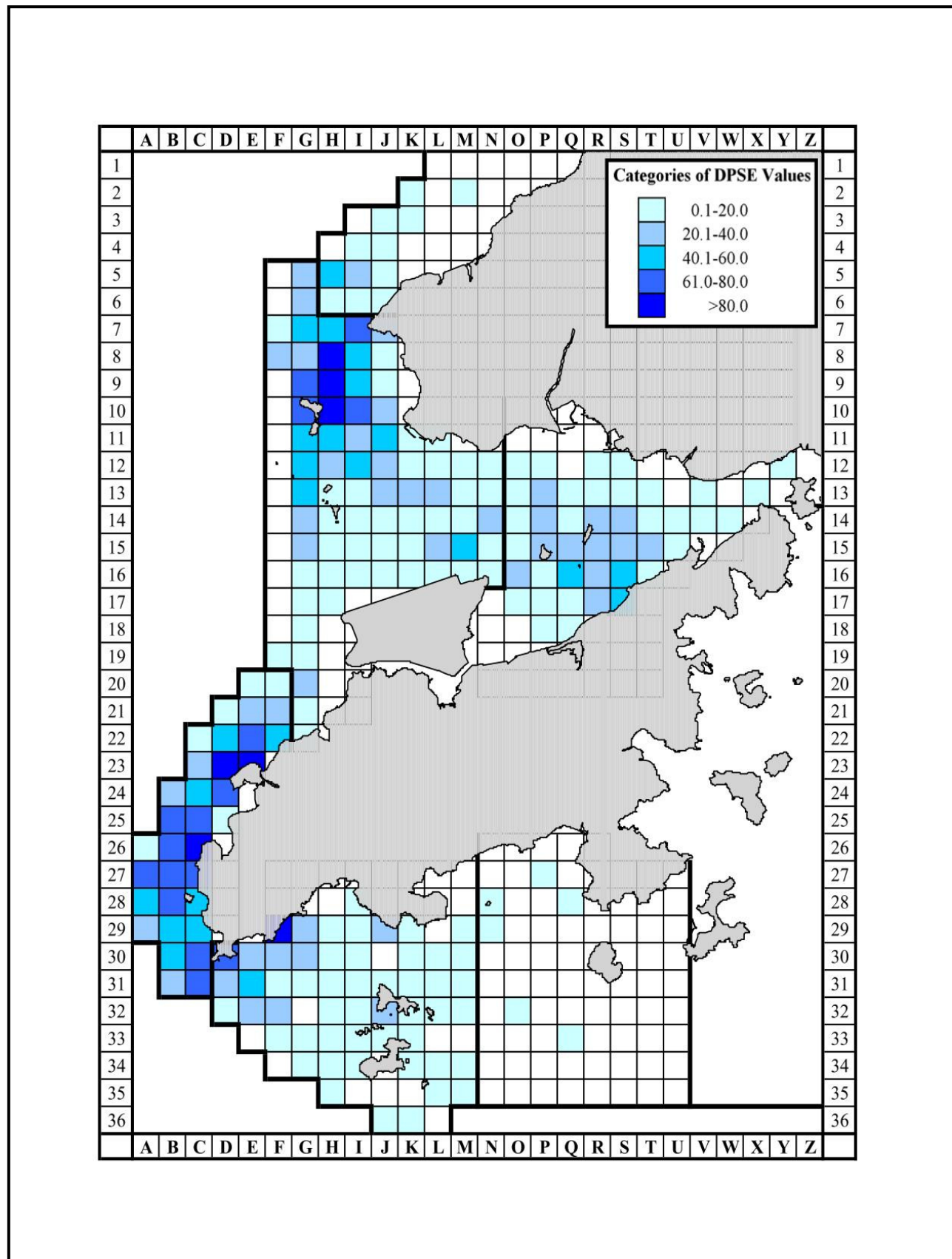


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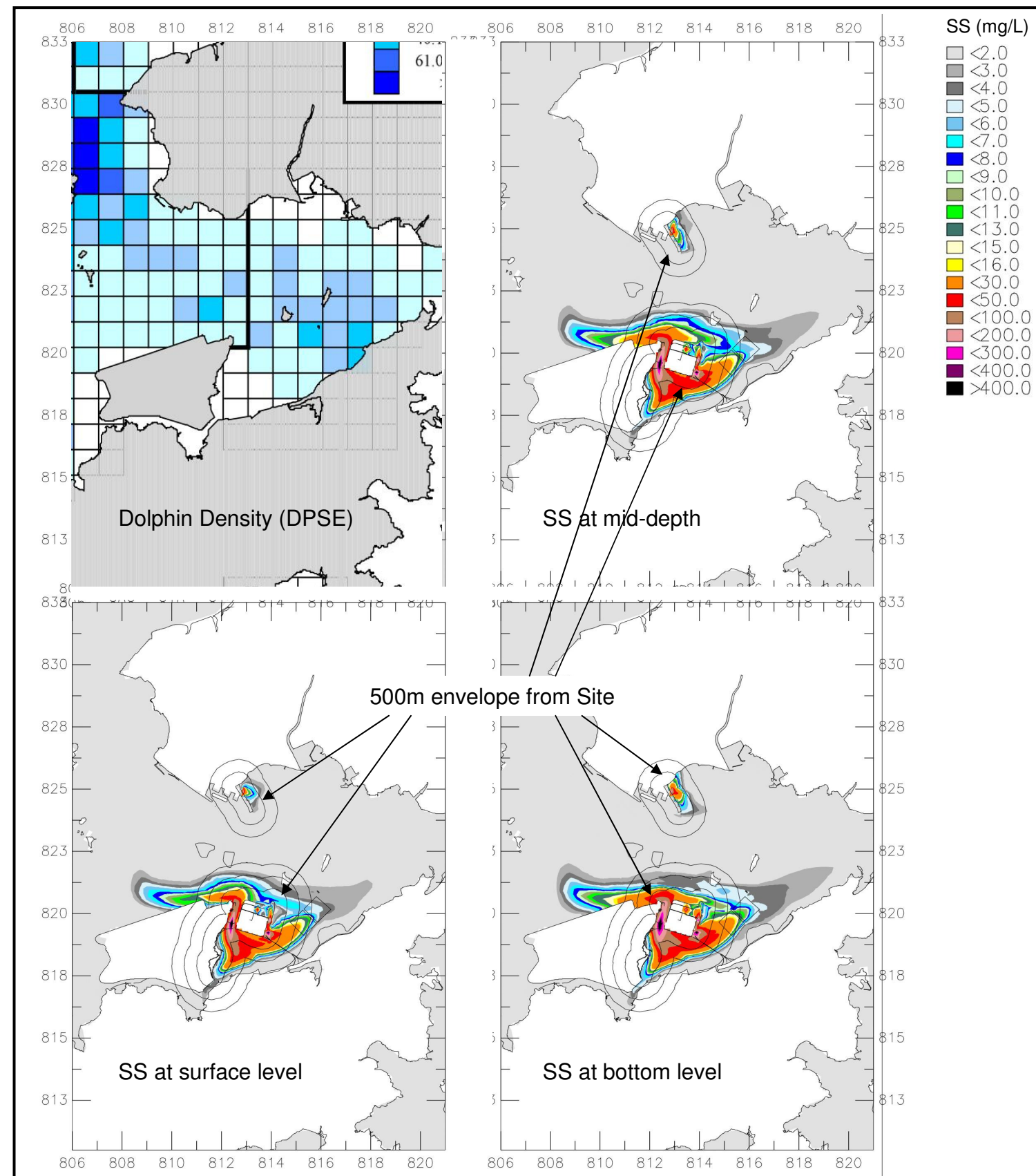


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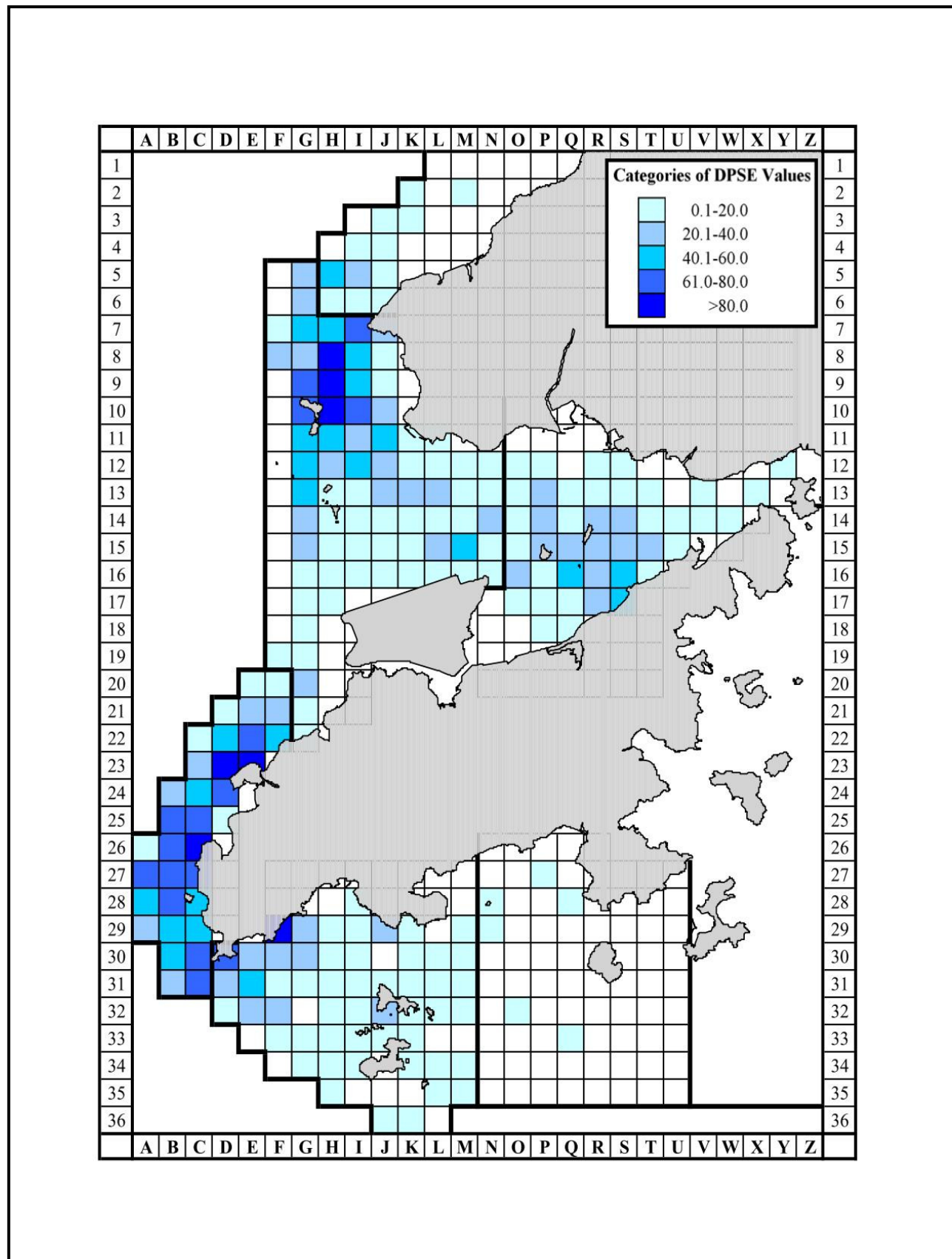


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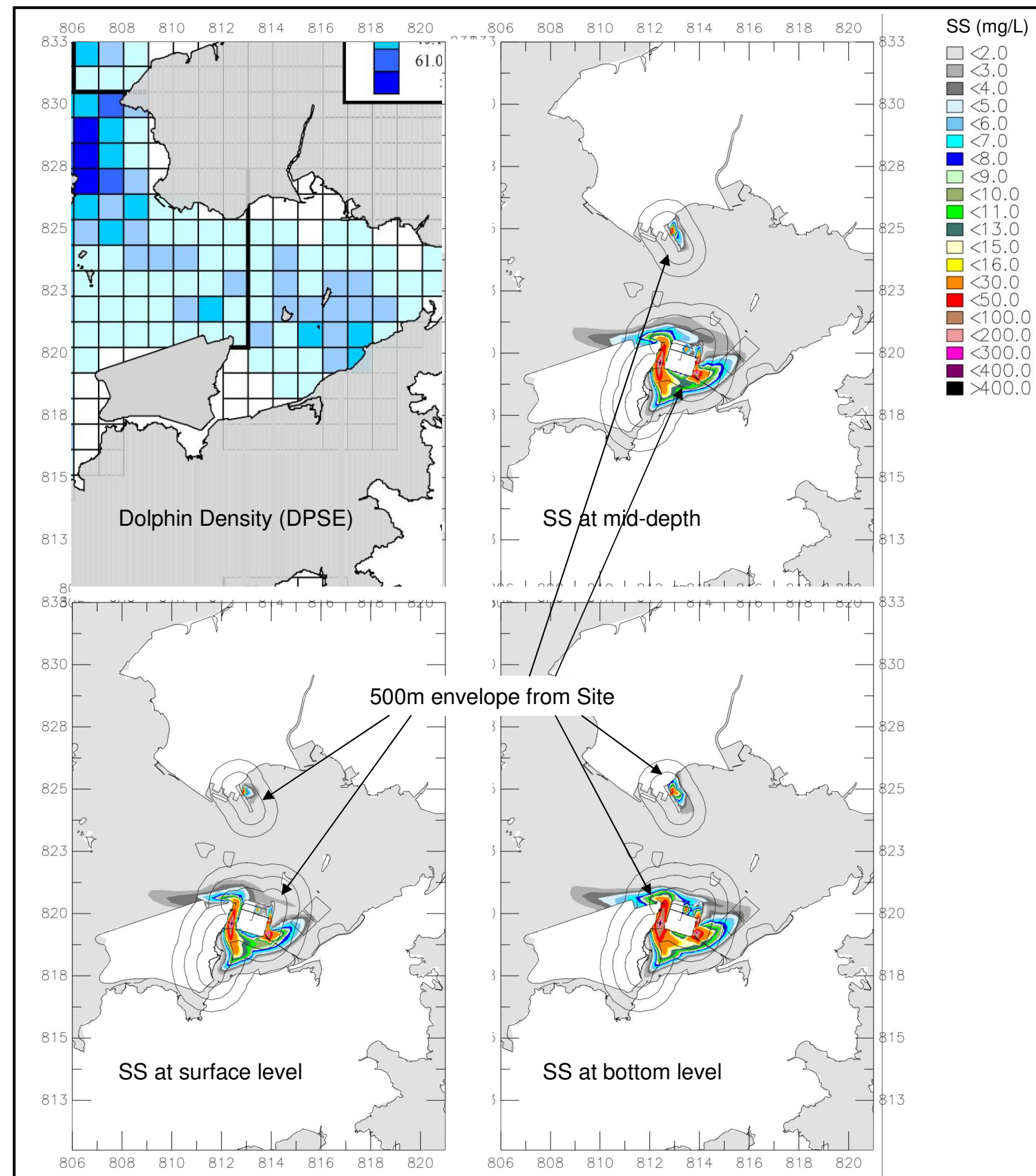


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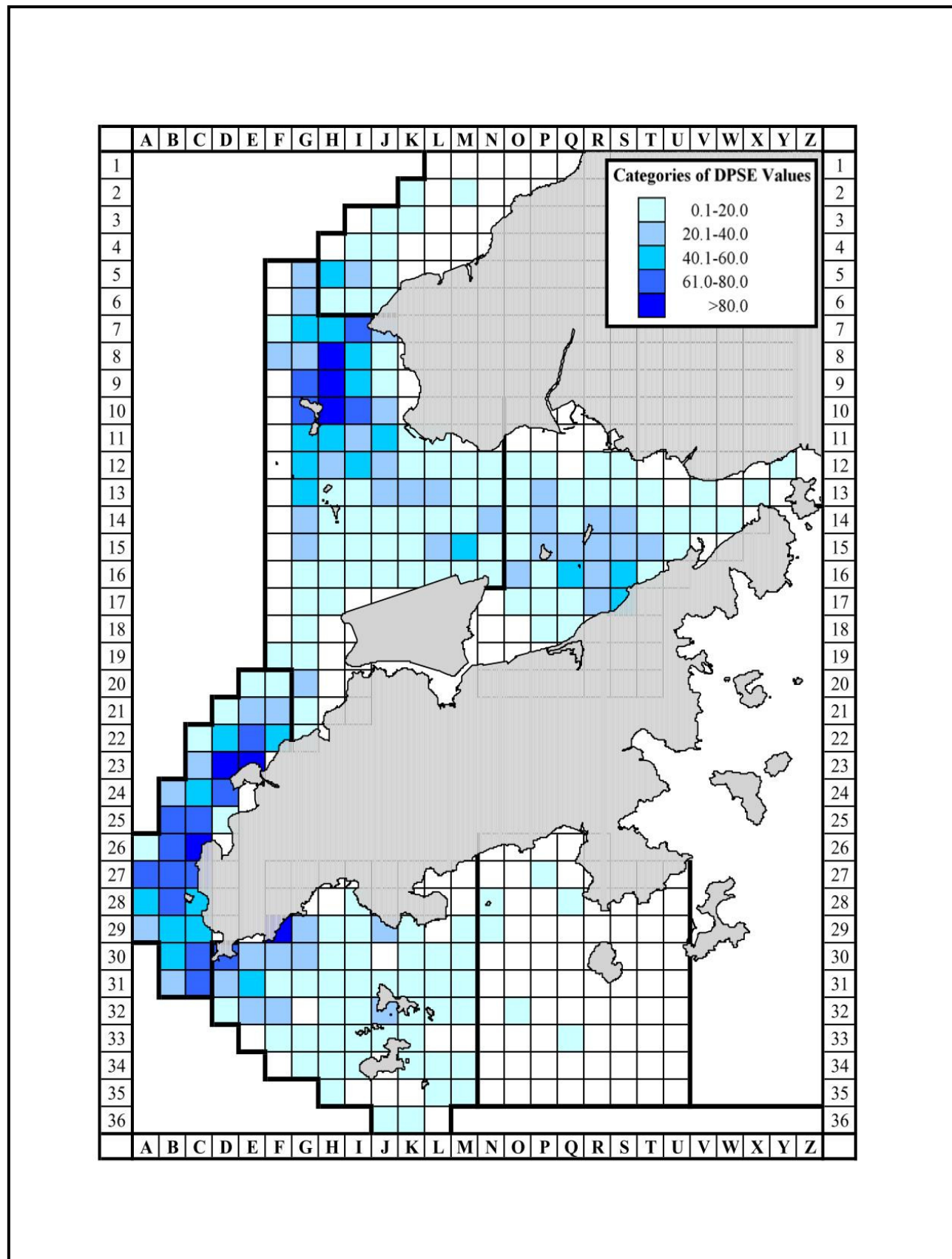


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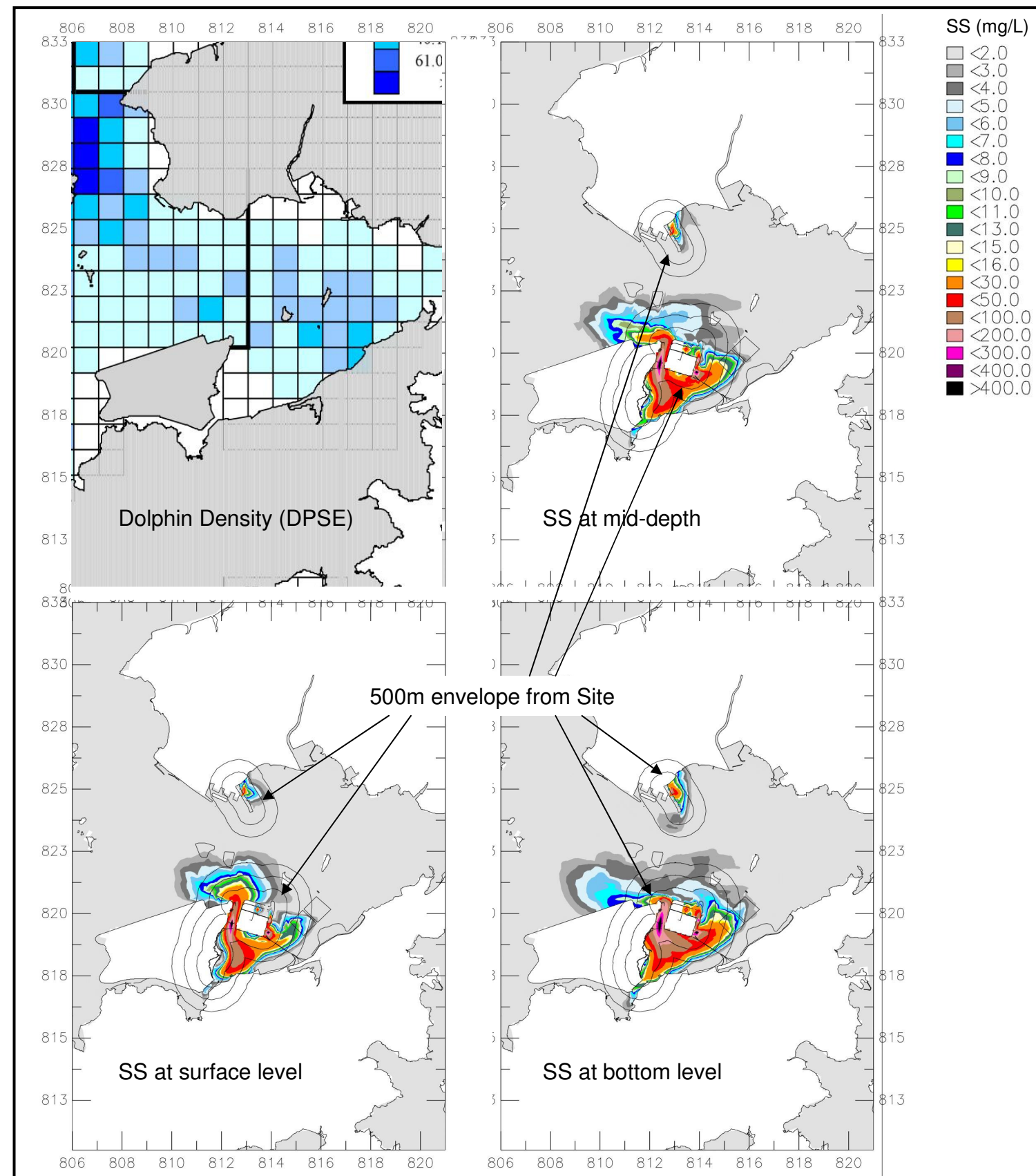


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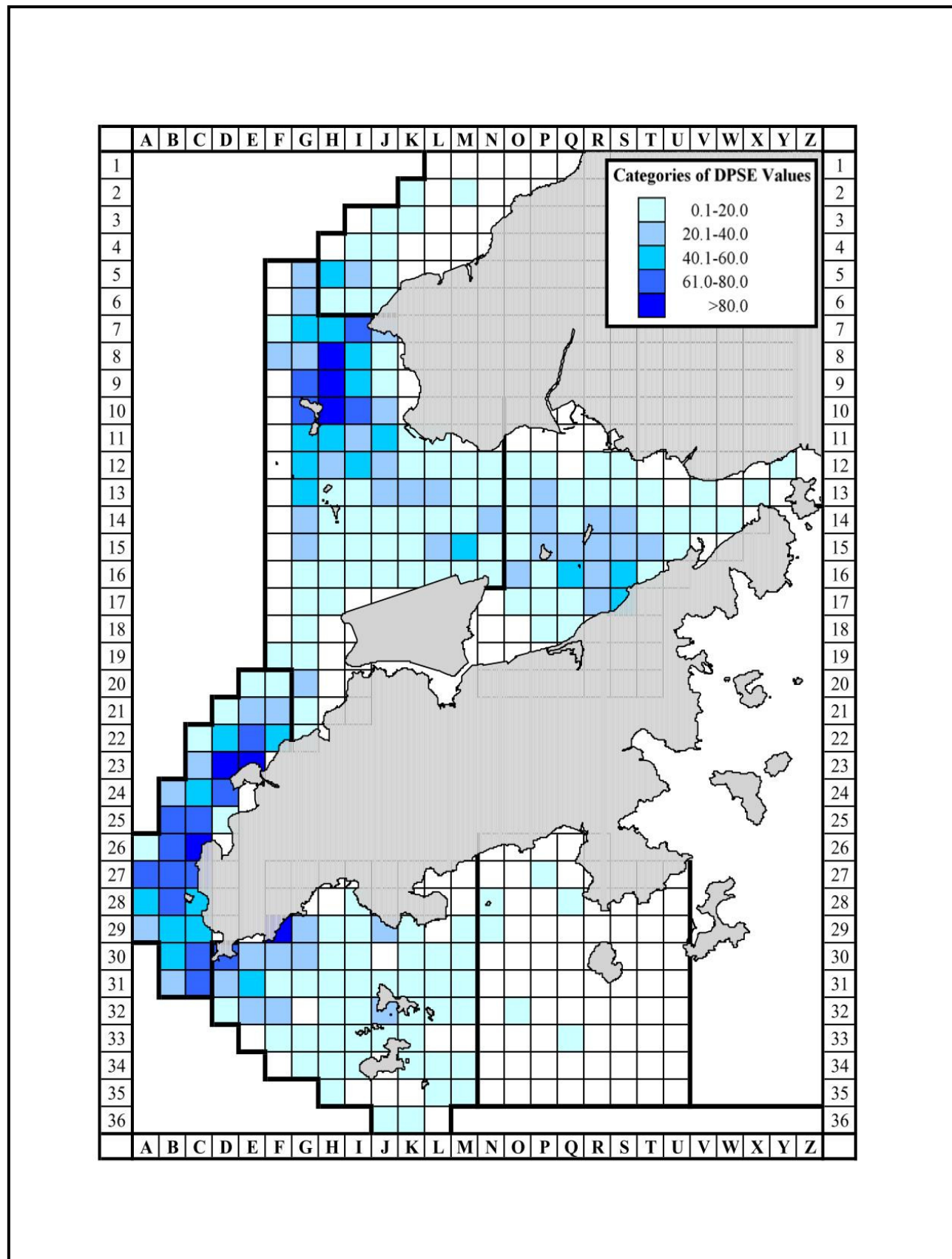


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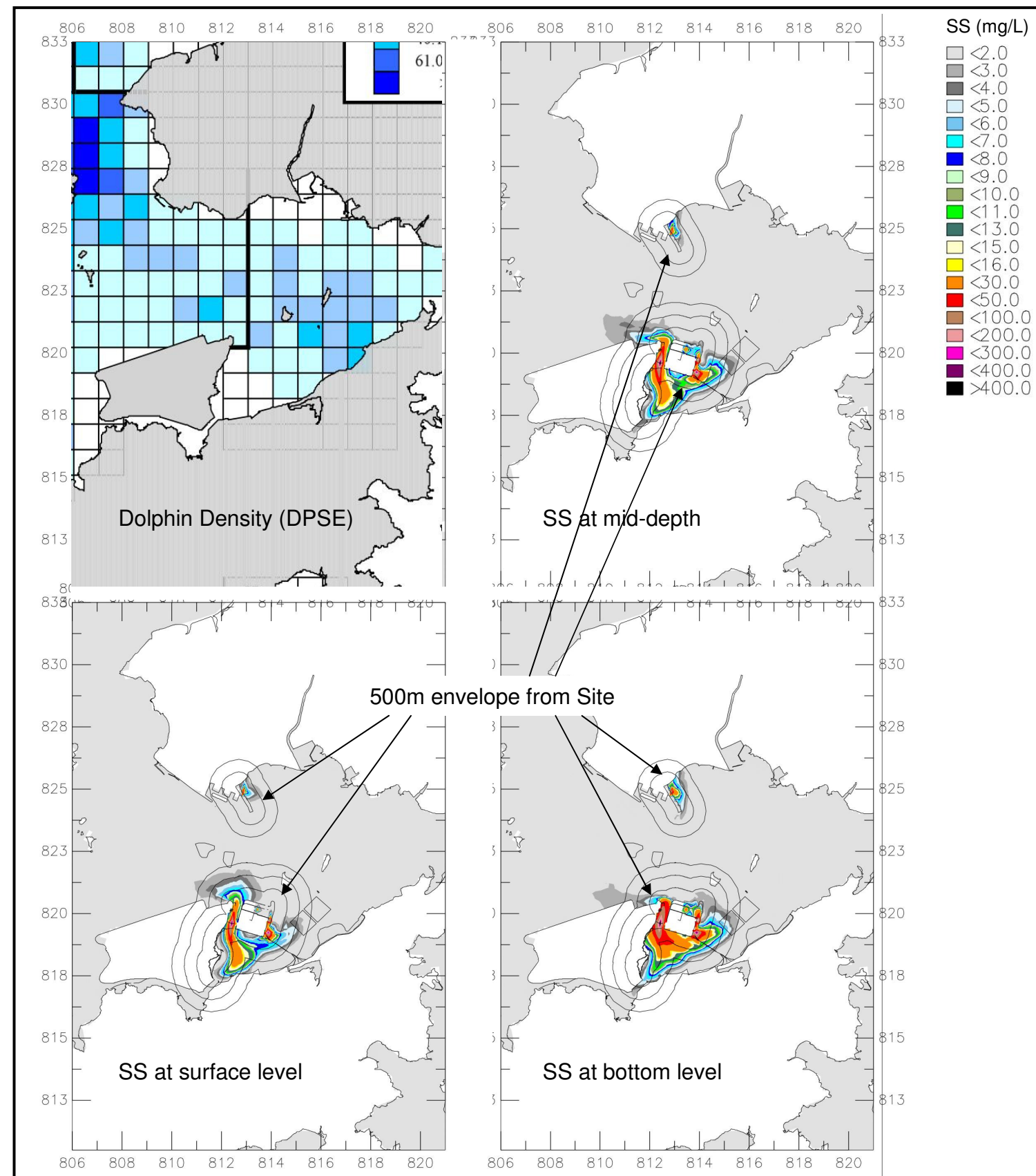


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