

Annex 7C

Part 1 - Result Tables for
Construction Phase
Sediment Plume Modelling

Unmitigated Scenarios

Table 7C.1 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C01A

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Criteria	Sediment Deposition (g m ⁻² day ⁻¹)	
		Dry Season			Wet Season				Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	0.9	100.0%	6.0	0.8	100.0%	-	-	-
	AR1	7.8	0.7	100.0%	4.3	0.5	100.0%	-	-	-
	CR3	6.6	0.6	100.0%	6.0	0.5	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-
	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.8	100.0%	6.9	0.8	100.0%	200	20.3	21.2
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.1	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.3	100.0%	8.8	0.2	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	0.9	100.0%	6.0	0.8	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.3	100.0%	6.3	0.1	100.0%	-	-	-
Proposed Southwest Lantau MP	MPC-7	8.5	0.5	100.0%	6.3	0.3	100.0%	-	-	-
	MPC-8	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.2	-	-	0.1	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.3	-	-	0.3	-	-	-	-
Yi O	H4	-	0.4	-	-	0.3	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.2	-	-	0.3	-	-	-	-
	NB4	-	0.1	-	-	0.1	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	8.8	100.0%	7.2	6.3	100.0%	200	295.4	260.9
	CR2	11.6	3.8	100.0%	7.2	4.5	100.0%	200	136.7	172.6
Pak Chau	CR3	10.4	0.9	100.0%	12.1	1.1	100.0%	200	26.3	19.0
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	8.5	0.9
Tai A Chau	CR6	7.2	0.1	100.0%	10.6	0.1	100.0%	200	4.7	3.5

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.1
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.1
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Shek Kok Tsui	CR12	3.9	0.6	100.0%	5.6	0.4	100.0%	200	23.3	15.8
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	3.3	0.8
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.1
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.9	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.2
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	1.0	0.3
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.3
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.1	100.0%	200	0.5	2.3
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.8	100.0%	100.7	0.6	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.2	100.0%	734.7	0.4	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.2	100.0%	723.8	0.3	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.2	100.0%	12.1	0.2	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.2	100.0%	8.1	0.1	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.2	100.0%	6.0	0.2	100.0%	-	-	-
	MPA-2	6.6	0.4	100.0%	6.0	0.3	100.0%	-	-	-
	MPA-3	7.8	0.5	100.0%	4.3	0.2	100.0%	-	-	-
	MPA-4	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	MPC-1	8.5	0.4	100.0%	6.3	0.4	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-2	8.5	0.9	100.0%	6.3	0.7	100.0%	-	-	-	
MPC-3	6.0	0.6	100.0%	6.3	0.5	100.0%	-	-	-	
MPC-4	6.0	0.3	100.0%	6.3	0.4	100.0%	-	-	-	
MPC-5	6.0	0.2	100.0%	6.3	0.3	100.0%	-	-	-	
MPC-6	6.0	0.2	100.0%	6.3	0.2	100.0%	-	-	-	
MPD-1	6.0	0.2	100.0%	6.3	0.1	100.0%	-	-	-	
MPD-2	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-	
MPD-3	3.9	0.2	100.0%	3.1	0.2	100.0%	-	-	-	
MPD-4	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-5	3.9	3.7	100.0%	3.1	3.7	99.2%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.4	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.2 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs from various Marine Construction Scenarios C01B

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	0.9	100.0%	6.0	0.8	100.0%	-	-	-
	AR1	7.8	0.7	100.0%	4.3	0.4	100.0%	-	-	-
	CR3	6.6	0.7	100.0%	6.0	0.5	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.1	100.0%	6.3	0.2	100.0%	-	-	-
	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.8	100.0%	6.9	0.7	100.0%	200	16.4	20.2
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.1	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.3	100.0%	8.8	0.2	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	0.9	100.0%	6.0	0.8	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.2	100.0%	6.3	0.1	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.3	100.0%	6.3	0.6	100.0%	-	-	-
	MPC-8	6.0	0.1	100.0%	6.3	0.2	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.2	-	-	0.1	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.2	-	-	0.2	-	-	-	-
Yi O	H4	-	0.3	-	-	0.3	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.2	-	-	0.5	-	-	-	-
	NB4	-	0.1	-	-	0.1	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	8.8	100.0%	7.2	6.3	100.0%	200	295.3	260.9
	CR2	11.6	3.7	100.0%	7.2	4.5	100.0%	200	138.5	172.4
Pak Chau	CR3	10.4	0.8	100.0%	12.1	1.0	100.0%	200	20.7	18.2
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	8.1	0.9
Tai A Chau	CR6	7.2	0.1	100.0%	10.6	0.1	100.0%	200	4.5	2.2
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Shek Kok Tsui	CR12	3.9	0.6	100.0%	5.6	0.4	100.0%	200	23.2	15.8
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	3.2	1.0
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.1
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.9	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.2
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	1.1	0.3
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.3
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.1	100.0%	200	0.5	2.3
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.8	100.0%	100.7	0.6	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.1	100.0%	734.7	0.7	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.1	100.0%	723.8	0.1	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.1	100.0%	12.1	0.1	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.1	100.0%	8.1	0.1	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-2	6.6	0.4	100.0%	6.0	0.3	100.0%	-	-	-
	MPA-3	7.8	0.5	100.0%	4.3	0.2	100.0%	-	-	-
	MPA-4	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	MPC-1	8.5	0.3	100.0%	6.3	0.6	100.0%	-	-	-
	MPC-2	8.5	3.0	100.0%	6.3	2.0	100.0%	-	-	-
	MPC-3	6.0	1.3	100.0%	6.3	1.0	100.0%	-	-	-
	MPC-4	6.0	0.3	100.0%	6.3	0.6	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.2	100.0%	6.3	0.5	100.0%	-	-	-	
MPC-6	6.0	0.2	100.0%	6.3	0.3	100.0%	-	-	-	
MPD-1	6.0	0.2	100.0%	6.3	0.1	100.0%	-	-	-	
MPD-2	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.2	100.0%	3.1	0.2	100.0%	-	-	-	
MPD-4	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-5	3.9	3.7	100.0%	3.1	3.7	99.2%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.4	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.3 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C01C

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	1.0	100.0%	6.0	0.8	100.0%	-	-	-
	AR1	7.8	0.7	100.0%	4.3	0.5	100.0%	-	-	-
	CR3	6.6	0.6	100.0%	6.0	0.5	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.8	100.0%	6.9	0.8	100.0%	200	20.4	20.6
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.1	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.3	100.0%	8.8	0.2	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	1.0	100.0%	6.0	0.8	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.2	100.0%	6.3	0.1	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-8	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.5	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.1	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.2	-	-	0.1	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.1	-	-	0.0	-	-	-	-
Yi O	H4	-	0.1	-	-	0.0	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.0	-	-	0.0	-	-	-	-
	NB4	-	0.0	-	-	0.0	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	8.8	100.0%	7.2	6.3	100.0%	200	295.4	254.5
	CR2	11.6	3.7	100.0%	7.2	4.5	100.0%	200	138.8	152.7
Pak Chau	CR3	10.4	0.9	100.0%	12.1	1.1	100.0%	200	25.6	23.4
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	8.0	0.9
Tai A Chau	CR6	7.2	0.1	100.0%	10.6	0.0	100.0%	200	4.1	0.5
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Shek Kok Tsui	CR12	3.9	0.6	100.0%	5.6	0.4	100.0%	200	23.4	15.6
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	2.9	1.0
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.1
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.8	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.2
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	1.1	0.3
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.3
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.1	100.0%	200	0.5	2.4
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.8	100.0%	100.7	0.6	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.4	100.0%	734.7	0.4	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.4	100.0%	723.8	0.5	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.4	100.0%	12.1	0.3	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.3	100.0%	8.1	0.2	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.4	100.0%	6.0	0.2	100.0%	-	-	-
	MPA-2	6.6	0.4	100.0%	6.0	0.3	100.0%	-	-	-
	MPA-3	7.8	0.5	100.0%	4.3	0.2	100.0%	-	-	-
	MPA-4	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	MPC-1	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPC-6	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-1	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-2	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.2	100.0%	3.1	0.2	100.0%	-	-	-	
MPD-4	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-5	3.9	3.7	100.0%	3.1	3.7	99.2%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.4	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.4 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C02

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	0.1	100.0%	6.0	0.1	100.0%	-	-	-
	AR1	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	CR3	6.6	0.1	100.0%	6.0	0.0	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.1	100.0%	6.9	0.1	100.0%	200	2.7	2.3
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	7.7	100.0%	7.1	0.8	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	14.4	99.6%	8.8	5.8	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	0.1	100.0%	6.0	0.1	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.1	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-8	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.3	-	-	0.1	-	-	-	-
Ha Pak Nai	H1	-	9.5	-	-	3.9	-	-	-	-
Ngau Hom Shek	H8	-	0.2	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.1	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.0	-	-	0.0	-	-	-	-
Yi O	H4	-	0.0	-	-	0.0	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.0	-	-	0.0	-	-	-	-
	NB4	-	0.0	-	-	0.0	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	106.5	96.5%	7.2	135.5	97.1%	200	4501.9	3628.0
	CR2	11.6	90.9	96.1%	7.2	48.8	97.2%	200	2921.2	1328.0
Pak Chau	CR3	10.4	0.1	100.0%	12.1	0.0	100.0%	200	2.4	1.5
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	6.8	0.6
Tai A Chau	CR6	7.2	0.0	100.0%	10.6	0.0	100.0%	200	1.7	0.2
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Shek Kok Tsui	CR12	3.9	0.5	100.0%	5.6	0.3	100.0%	200	19.6	10.5
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	2.6	0.7
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.7	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.1
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.9	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.1
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.4	1.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.1	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.1	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	36.1	100.0%	100.7	26.6	100.0%	-	-	-
Black Point Power Station	C2	728.7	26.5	100.0%	734.7	34.1	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	5.8	100.0%	723.8	3.2	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	4.3	100.0%	12.1	2.8	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	3.6	100.0%	8.1	2.1	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.1	100.0%	-	-	-
	C7	9.8	0.1	100.0%	6.9	0.2	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.7	100.0%	6.0	0.7	100.0%	-	-	-
	MPA-2	6.6	0.3	100.0%	6.0	0.1	100.0%	-	-	-
	MPA-3	7.8	0.1	100.0%	4.3	0.1	100.0%	-	-	-
	MPA-4	7.8	0.2	100.0%	4.3	0.2	100.0%	-	-	-
	MPC-1	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPC-6	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-1	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-2	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.1	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-4	3.9	0.2	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-5	3.9	0.9	100.0%	3.1	0.6	100.0%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.3	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.5 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C03

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	7.0	99.7%	6.0	3.6	100.0%	-	-	-
	AR1	7.8	4.5	100.0%	4.3	1.7	100.0%	-	-	-
	CR3	6.6	2.1	100.0%	6.0	2.2	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	5.1	100.0%	6.9	2.3	100.0%	200	88.8	66.4
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.0	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.1	100.0%	8.8	0.0	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	7.0	99.7%	6.0	3.6	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	1.0	100.0%	6.3	0.1	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-8	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.0	-	-	0.0	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.1	-	-	0.0	-	-	-	-
Yi O	H4	-	0.1	-	-	0.0	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.0	-	-	0.0	-	-	-	-
	NB4	-	0.0	-	-	0.0	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.3	100.0%	7.2	0.0	100.0%	200	10.0	1.7
	CR2	11.6	0.3	100.0%	7.2	0.1	100.0%	200	10.8	2.1
Pak Chau	CR3	10.4	2.4	100.0%	12.1	3.9	100.0%	200	76.6	137.4
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	6.7	0.5
Tai A Chau	CR6	7.2	0.0	100.0%	10.6	0.0	100.0%	200	1.7	0.2
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Shek Kok Tsui	CR12	3.9	0.5	100.0%	5.6	0.3	100.0%	200	20.6	10.3
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	2.6	0.6
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.8	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.1
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.9	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.2
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.4	1.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.1	100.0%	100.7	0.0	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.6	100.0%	734.7	0.3	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.8	100.0%	723.8	0.4	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.6	100.0%	12.1	0.3	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.5	100.0%	8.1	0.2	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.1	100.0%	-	-	-
	C7	9.8	0.3	100.0%	6.9	0.2	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	4.7	100.0%	6.0	3.0	100.0%	-	-	-
	MPA-2	6.6	169.6	94.7%	6.0	191.5	96.3%	-	-	-
	MPA-3	7.8	3.0	100.0%	4.3	0.3	100.0%	-	-	-
	MPA-4	7.8	1.6	100.0%	4.3	0.5	100.0%	-	-	-
	MPC-1	8.5	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-2	8.5	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPC-6	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-1	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-2	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.1	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-4	3.9	0.2	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-5	3.9	0.9	100.0%	3.1	0.6	100.0%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.3	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.6 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C04

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	4.7	100.0%	6.0	5.3	100.0%	-	-	-
	AR1	7.8	11.6	99.5%	4.3	8.9	99.4%	-	-	-
	CR3	6.6	10.2	98.5%	6.0	7.0	99.9%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.1	100.0%	6.3	0.3	100.0%	-	-	-
	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	12.9	99.7%	6.9	13.8	99.4%	200	503.2	452.1
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.0	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.0	100.0%	8.8	0.0	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.1	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	4.7	100.0%	6.0	5.3	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	7.9	100.0%	6.3	6.7	99.8%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	3.6	100.0%	6.3	3.4	100.0%	-	-	-
	MPC-8	6.0	0.1	100.0%	6.3	0.3	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.0	-	-	0.0	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.1	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	1.9	-	-	0.6	-	-	-	-
Sham Wat Wan	H6	-	0.2	-	-	0.8	-	-	-	-
Tai O	H3	-	4.7	-	-	5.6	-	-	-	-
Yi O	H4	-	8.3	-	-	7.2	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.9	-	-	2.0	-	-	-	-
	NB4	-	0.1	-	-	0.2	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.2	0.3
	CR2	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.2	0.3
Pak Chau	CR3	10.4	11.8	99.6%	12.1	11.0	100.0%	200	341.0	224.2
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	6.8	0.6
Tai A Chau	CR6	7.2	0.1	100.0%	10.6	0.2	100.0%	200	3.0	8.5
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Shek Kok Tsui	CR12	3.9	0.5	100.0%	5.6	0.3	100.0%	200	20.7	10.1
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	2.6	0.6
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.7	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.1
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.8	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.2
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.4	1.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.1	100.0%	6.3	0.1	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.1	100.0%	6.3	0.1	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.1	100.0%	6.3	0.2	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.0	100.0%	100.7	0.0	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.0	100.0%	734.7	0.0	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.0	100.0%	723.8	0.0	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.0	100.0%	12.1	0.0	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.0	100.0%	8.1	0.0	100.0%	-	-	-
Airport	C6	9.8	0.1	100.0%	6.9	0.1	100.0%	-	-	-
	C7	9.8	0.3	100.0%	6.9	0.3	100.0%	-	-	-
	C8	11.5	0.1	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.3	100.0%	11.9	0.1	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-2	6.6	0.5	100.0%	6.0	0.2	100.0%	-	-	-
	MPA-3	7.8	17.8	99.6%	4.3	85.6	98.3%	-	-	-
	MPA-4	7.8	0.9	100.0%	4.3	0.8	100.0%	-	-	-
	MPC-1	8.5	6.1	100.0%	6.3	4.8	100.0%	-	-	-
	MPC-2	8.5	8.1	100.0%	6.3	6.0	100.0%	-	-	-
	MPC-3	6.0	3.8	100.0%	6.3	3.1	100.0%	-	-	-
	MPC-4	6.0	2.1	100.0%	6.3	1.9	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.9	100.0%	6.3	2.0	100.0%	-	-	-	
MPC-6	6.0	0.7	100.0%	6.3	0.6	100.0%	-	-	-	
MPD-1	6.0	0.6	100.0%	6.3	0.3	100.0%	-	-	-	
MPD-2	6.0	0.4	100.0%	6.3	0.2	100.0%	-	-	-	
MPD-3	3.9	0.1	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-4	3.9	0.2	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-5	3.9	0.9	100.0%	3.1	0.6	100.0%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.3	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.7 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C05

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	AR1	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	CR3	6.6	0.1	100.0%	6.0	0.0	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	1.0	100.0%	6.3	3.3	100.0%	-	-	-
	MPD-8	6.0	2.8	100.0%	6.3	1.5	100.0%	-	-	-
	MPD-9	3.9	3.5	100.0%	3.1	2.8	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.5	100.0%	6.3	0.4	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.1	100.0%	6.9	0.0	100.0%	200	4.5	1.2
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.0	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.0	100.0%	8.8	0.0	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.6	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	2.6	100.0%	6.3	2.5	100.0%	-	-	-
	MPC-8	6.0	1.0	100.0%	6.3	3.3	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	2.8	100.0%	6.3	1.5	100.0%	-	-	-
	MPD-9	3.9	3.5	100.0%	3.1	2.8	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.0	-	-	0.0	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.2	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	1.2	-	-	0.4	-	-	-	-
Yi O	H4	-	2.1	-	-	1.4	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	2.2	-	-	6.7	-	-	-	-
	NB4	-	0.5	-	-	2.1	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.1	0.1
	CR2	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.1	0.1
Pak Chau	CR3	10.4	0.1	100.0%	12.1	0.0	100.0%	200	3.6	0.9
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.4
Siu A Chau	CR5	7.2	0.6	100.0%	10.6	0.4	100.0%	200	23.8	16.1
Tai A Chau	CR6	7.2	3.3	100.0%	10.6	12.2	99.8%	200	127.9	500.4
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Shek Kok Tsui	CR12	3.9	0.5	100.0%	5.6	0.3	100.0%	200	19.7	10.3
Pak Kok	CR13	4.8	0.1	100.0%	4.8	0.0	100.0%	200	2.6	0.7
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.7	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.1
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.9	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.2
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.4	1.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.5	100.0%	6.3	2.1	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.0	100.0%	100.7	0.0	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.0	100.0%	734.7	0.0	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.0	100.0%	723.8	0.0	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.0	100.0%	12.1	0.0	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.0	100.0%	8.1	0.0	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-2	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-3	7.8	0.3	100.0%	4.3	0.1	100.0%	-	-	-
	MPA-4	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	MPC-1	8.5	2.5	100.0%	6.3	2.6	100.0%	-	-	-
	MPC-2	8.5	3.5	100.0%	6.3	2.8	100.0%	-	-	-
	MPC-3	6.0	9.6	99.4%	6.3	20.2	99.2%	-	-	-
	MPC-4	6.0	2.3	100.0%	6.3	8.2	99.4%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	2.2	100.0%	6.3	6.7	99.9%	-	-	-	
MPC-6	6.0	2.0	100.0%	6.3	3.4	100.0%	-	-	-	
MPD-1	6.0	2.7	100.0%	6.3	1.4	100.0%	-	-	-	
MPD-2	6.0	15.0	97.5%	6.3	70.0	98.3%	-	-	-	
MPD-3	3.9	33.9	96.1%	3.1	17.6	98.2%	-	-	-	
MPD-4	3.9	9.1	96.9%	3.1	13.1	97.7%	-	-	-	
MPD-5	3.9	65.9	98.6%	3.1	64.9	98.3%	-	-	-	
MPD-6	3.9	1.0	100.0%	3.1	0.9	100.0%	-	-	-	
MPD-7	3.9	0.9	100.0%	3.1	0.3	100.0%	-	-	-	

Table 7C.8 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C06

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	AR1	7.8	0.1	100.0%	4.3	0.0	100.0%	-	-	-
	CR3	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-8	6.0	1.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	5.1	99.0%	3.1	2.1	100.0%	-	-	-
	CR4	3.9	0.6	100.0%	3.1	0.2	100.0%	-	-	-
	CR5	6.0	1.1	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.5	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.1	100.0%	3.0	0.3	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.1	100.0%	6.9	0.0	100.0%	200	2.7	1.2
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.0	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.0	100.0%	8.8	0.0	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	0.1	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-8	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	1.3	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	5.1	99.0%	3.1	2.1	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.1	100.0%	3.0	0.3	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.0	-	-	0.0	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	0.0	-	-	0.0	-	-	-	-
Yi O	H4	-	0.0	-	-	0.0	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.0	-	-	0.0	-	-	-	-
	NB4	-	0.0	-	-	0.0	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.1	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.1	0.1
	CR2	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.1	0.1
Pak Chau	CR3	10.4	0.0	100.0%	12.1	0.0	100.0%	200	1.4	0.9
Shek Kwu Chau	CR4	5.4	0.8	100.0%	4.8	0.3	100.0%	200	29.9	13.5
Siu A Chau	CR5	7.2	1.2	100.0%	10.6	0.0	100.0%	200	49.7	0.6
Tai A Chau	CR6	7.2	0.3	100.0%	10.6	0.0	100.0%	200	13.8	0.2
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.3
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.3	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.4	0.1
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.1	0.0
Shek Kok Tsui	CR12	3.9	0.9	100.0%	5.6	1.1	100.0%	200	33.7	42.3
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	3.5	1.7
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.8	0.1
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.3	0.3
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.9	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.1
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.1	100.0%	200	1.4	3.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.5	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.0	100.0%	100.7	0.0	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.0	100.0%	734.7	0.0	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.0	100.0%	723.8	0.0	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.0	100.0%	12.1	0.0	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.0	100.0%	8.1	0.0	100.0%	-	-	-
Airport	C6	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.0	100.0%	6.9	0.0	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.1	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-2	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-3	7.8	0.1	100.0%	4.3	0.1	100.0%	-	-	-
	MPA-4	7.8	0.0	100.0%	4.3	0.0	100.0%	-	-	-
	MPC-1	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPC-4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPC-6	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-1	6.0	0.3	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-2	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.6	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-4	3.9	1.1	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-5	3.9	15.4	97.5%	3.1	9.1	98.9%	-	-	-	
MPD-6	3.9	14.7	94.2%	3.1	3.6	99.7%	-	-	-	
MPD-7	3.9	2.6	100.0%	3.1	0.1	100.0%	-	-	-	

Table 7C.9 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C07

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	MPA-5	6.6	4.2	100.0%	6.0	3.3	100.0%	-	-	-
	AR1	7.8	8.7	99.9%	4.3	4.2	100.0%	-	-	-
	CR3	6.6	20.8	94.3%	6.0	18.6	97.1%	-	-	-
Fisheries Spawning/Nursery Grounds in South Lantau	MPC-7	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
	CR4	3.9	0.0	100.0%	3.1	0.0	100.0%	-	-	-
	CR5	6.0	0.1	100.0%	6.3	0.0	100.0%	-	-	-
	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-	
MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-	
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	9.4	100.0%	6.9	7.6	99.7%	200	351.7	322.8
Fish Culture Zone (Depth-averaged)										
Cheung Sha Wan FCZ	FCZ1	31.1	0.0	100.0%	36.4	0.0	100.0%	-	-	-
Lo Tik Wan FCZ	FCZ2	39.7	0.0	100.0%	42.3	0.0	100.0%	-	-	-
Sok Kwu Wan FCZ	FCZ3	43.0	0.0	100.0%	43.2	0.0	100.0%	-	-	-
Oyster Production Area (Depth-averaged)										
Sheung Pak Nai	O1	8.5	0.0	100.0%	7.1	0.0	100.0%	-	-	-
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	0.0	100.0%	8.8	0.0	100.0%	-	-	-
Tung Chung Bay	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	4.2	100.0%	6.0	3.3	100.0%	-	-	-
Proposed AAHK 3RS MP	MPB	8.5	4.0	100.0%	6.3	3.5	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Proposed Southwest Lantau MP	MPC-7	8.5	0.6	100.0%	6.3	0.5	100.0%	-	-	-
	MPC-8	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Proposed South Lantau MP	MPD-8	6.0	0.2	100.0%	6.3	0.0	100.0%	-	-	-
	MPD-9	3.9	1.3	100.0%	3.1	0.9	100.0%	-	-	-
Proposed South Lamma MP	MPE	3.9	0.0	100.0%	3.0	0.1	100.0%	-	-	-
Intertidal Mudflats / Mangroves / Horseshoe Crab Nursery Grounds										
Sheung Pak Nai	H9	-	0.0	-	-	0.0	-	-	-	-
Ha Pak Nai	H1	-	0.0	-	-	0.0	-	-	-	-
Ngau Hom Shek	H8	-	0.0	-	-	0.0	-	-	-	-
Lung Kwu Sheung Tan	NB1	-	0.0	-	-	0.0	-	-	-	-
Tung Chung Bay	C8	-	0.0	-	-	0.0	-	-	-	-
Sha Lo Wan	H2	-	0.1	-	-	0.1	-	-	-	-
Sham Wat Wan	H6	-	0.0	-	-	0.0	-	-	-	-
Tai O	H3	-	1.4	-	-	0.7	-	-	-	-
Yi O	H4	-	2.0	-	-	1.5	-	-	-	-
Fan Lau Tung Wan	MPC-5	-	0.0	-	-	0.0	-	-	-	-
	NB4	-	0.0	-	-	0.0	-	-	-	-
Tong Fuk Miu Wan / Shui Hau	H5	-	0.0	-	-	0.0	-	-	-	-
Pui O	B4	-	0.0	-	-	0.0	-	-	-	-
Shek Kwu Chau North	H7	-	0.0	-	-	0.0	-	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.2	0.2
	CR2	11.6	0.0	100.0%	7.2	0.0	100.0%	200	0.2	0.2
Pak Chau	CR3	10.4	42.8	95.6%	12.1	91.9	96.9%	200	1465.6	2939.2
Shek Kwu Chau	CR4	5.4	0.0	100.0%	4.8	0.0	100.0%	200	0.0	0.2
Siu A Chau	CR5	7.2	0.2	100.0%	10.6	0.0	100.0%	200	6.7	0.5
Tai A Chau	CR6	7.2	0.0	100.0%	10.6	0.0	100.0%	200	1.6	0.2
Cheung Chau	CR7	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
	CR8	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.2
Hei Ling Chau	CR9	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
	CR10	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Sunshine Island	CR11	3.9	0.0	100.0%	5.6	0.0	100.0%	200	0.0	0.0
Shek Kok Tsui	CR12	3.9	0.5	100.0%	5.6	0.3	100.0%	200	20.0	10.3
Pak Kok	CR13	4.8	0.2	100.0%	4.8	0.0	100.0%	200	2.6	0.6
Sha Wan	CR14	4.8	0.0	100.0%	4.8	0.0	100.0%	200	0.2	0.0
Ap Lei Chau	CR15	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.1	0.0
Wong Chuk Kok	CR16	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.2	0.1
Sha Wan	CR17	4.4	0.0	100.0%	3.8	0.0	100.0%	200	0.7	0.0
Sham Wan	CR18	4.8	0.0	100.0%	3.9	0.0	100.0%	200	0.1	0.1
Luk Chau	CR19	4.4	0.1	100.0%	3.8	0.0	100.0%	200	0.9	0.1
Hung Shing Yeh	CR20	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.0	0.1
Ha Mei Wan	CR21	4.8	0.0	100.0%	4.2	0.0	100.0%	200	0.4	1.6
Chi Ma Wan Peninsula	CR22	6.5	0.0	100.0%	5.4	0.0	100.0%	200	0.0	0.0
Gazetted Beaches (Depth-averaged)										
Tong Fuk	B1	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Upper Cheung Sha Beach	B2	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Lower Cheung Sha Beach	B3	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Pui O Beach	B4	4.8	0.0	100.0%	3.7	0.0	100.0%	-	-	-
Cheung Chau Tung Wan Beach	B5	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Kwun Yam Wan Beach	B6	3.5	0.0	100.0%	3.6	0.0	100.0%	-	-	-
Hung Shing Yeh Beach	B8	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Lo So Shing Beach	B9	3.9	0.0	100.0%	3.0	0.0	100.0%	-	-	-
Non-gazetted Beaches (Depth-averaged)										
Lung Kwu Sheung Tan	NB1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Lung Kwu Tan	NB12	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
Hau Hok Wan	NB2	8.5	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Sai Wan	NB3	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Fan Lau Tung Wan	NB4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Siu A Chau Wan	NB5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-
Yi Long Wan	NB6	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Tai Long Wan	NB7	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Tai Kwai Wan	NB8	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Po Yue Wan	NB9	5.7	0.0	100.0%	4.1	0.0	100.0%	-	-	-
Shek Pai Wan	NB10	3.1	0.0	100.0%	2.3	0.0	100.0%	-	-	-
Mo Tat Wan	NB11	2.1	0.0	100.0%	2.0	0.0	100.0%	-	-	-
Seawater Intakes (Bottom)										
Sludge Treatment Facilities	C1	94.7	0.0	100.0%	100.7	0.0	100.0%	-	-	-
Black Point Power Station	C2	728.7	0.0	100.0%	734.7	0.0	100.0%	-	-	-
Castle Peak Power Station	C3	729.3	0.0	100.0%	723.8	0.0	100.0%	-	-	-
Shiu Wing Steel Mill	C4	10.4	0.0	100.0%	12.1	0.0	100.0%	-	-	-
Tuen Mun Area 38	C5	7.9	0.0	100.0%	8.1	0.0	100.0%	-	-	-
Airport	C6	9.8	0.1	100.0%	6.9	0.0	100.0%	-	-	-
	C7	9.8	0.3	100.0%	6.9	0.1	100.0%	-	-	-
	C8	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
	C9	11.5	0.0	100.0%	11.9	0.0	100.0%	-	-	-
Tai Kwai Wan	NB8	6.5	0.0	100.0%	5.4	0.0	100.0%	-	-	-
Sha Wan Drive	C10	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Queen Mary Hospital	C14	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Cyper Port	C15	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Wan Fu Estate	C11	4.8	0.0	100.0%	4.8	0.0	100.0%	-	-	-
Ap Lei Chau	C12	4.4	0.0	100.0%	3.8	0.0	100.0%	-	-	-
Lamma Power Station	C13	84.0	0.0	100.0%	86.0	0.0	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-1	6.6	0.0	100.0%	6.0	0.0	100.0%	-	-	-
	MPA-2	6.6	1.6	100.0%	6.0	0.8	100.0%	-	-	-
	MPA-3	7.8	47.6	99.5%	4.3	13.5	99.4%	-	-	-
	MPA-4	7.8	1.0	100.0%	4.3	0.3	100.0%	-	-	-
	MPC-1	8.5	1.5	100.0%	6.3	1.1	100.0%	-	-	-
	MPC-2	8.5	1.4	100.0%	6.3	0.9	100.0%	-	-	-
	MPC-3	6.0	0.3	100.0%	6.3	0.2	100.0%	-	-	-
	MPC-4	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
MPC-5	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPC-6	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-1	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-2	6.0	0.0	100.0%	6.3	0.0	100.0%	-	-	-	
MPD-3	3.9	0.1	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-4	3.9	0.2	100.0%	3.1	0.1	100.0%	-	-	-	
MPD-5	3.9	0.9	100.0%	3.1	0.6	100.0%	-	-	-	
MPD-6	3.9	0.5	100.0%	3.1	0.4	100.0%	-	-	-	
MPD-7	3.9	0.3	100.0%	3.1	0.1	100.0%	-	-	-	

Mitigated Scenarios

Table 7C.10 *Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C01A - Mitigated*

Mitigation measures:

Silt curtain at source (75% reduction in sediment dispersion): 01_G, 03_G, 05_G, 06_G, 09_G, 11_G, 13_G

Two layers of silt curtain at WSRs (80% reduction in SS elevation): CR1, CR2

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.4	100.0%	7.2	0.3	100.0%	200	14.8	13.0
	CR2	11.6	0.2	100.0%	7.2	0.2	100.0%	200	6.8	8.6
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPD-5	3.9	1.6	100.0%	3.1	0.9	100.0%	-	-	-

Table 7C.11 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C01B – Mitigated

Mitigation measures:

Silt curtain at source (75% reduction in sediment dispersion): 01_G, 03_G, 09_G, 13_G

Two layers of silt curtain at WSRs (80% reduction in SS elevation): CR1, CR2

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.4	100.0%	7.2	0.3	100.0%	200	14.8	13.0
	CR2	11.6	0.2	100.0%	7.2	0.2	100.0%	200	6.9	8.6
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPD-5	3.9	1.6	100.0%	3.1	0.9	100.0%	-	-	-

Table 7C.12 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C01C – Mitigated

Mitigation measures:

Silt curtain at source (75% reduction in sediment dispersion): 01_G, 03_G, 09_G, 13_G

Two layers of silt curtain at WSRs (80% reduction in SS elevation): CR1, CR2

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	0.4	100.0%	7.2	0.3	100.0%	200	14.8	12.7
	CR2	11.6	0.2	100.0%	7.2	0.2	100.0%	200	6.9	7.6
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPD-5	3.9	1.6	100.0%	3.1	0.9	100.0%	-	-	-

Table 7C.13 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C02 – Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 12_J

Two layers of silt curtain at WSRs (80% reduction in SS elevation): CR1, CR2

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Seagrass Beds (Bottom)										
Ha Pak Nai	H1	10.6	2.3	100.0%	8.8	0.8	100.0%	-	-	-
Corals (Bottom)										
Artificial Seawall at BPPS	CR1	11.6	3.2	100.0%	7.2	4.1	100.0%	200	118.6	108.8
	CR2	11.6	2.7	100.0%	7.2	1.5	100.0%	200	88.3	39.7

Table 7C.14 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C03 – Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 10_J

Two layers of silt curtain at WSRs (80% reduction in SS elevation): NW corner of Sha Chau and Lung Kwu Chau MP for MPA-2

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	1.1	100.0%	6.0	0.5	100.0%	-	-	-
Marine Park (Depth-averaged)										
Sha Chau and Lung Kwu Chau MP	MPA-5	6.6	1.1	100.0%	6.0	0.5	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-2	6.6	5.1	100.0%	6.0	5.7	100.0%	-	-	-

Table 7C.15 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C04 - Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 07_J

Two layers of silt curtain at WSRs (80% reduction in SS elevation): None

Rate reduction: 720 m/day for 24 hours from BPPS Pipeline KP31.5 to 26.2

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Sediment Deposition (g m ⁻² day ⁻¹)		
		Dry Season			Wet Season			Criteria	Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	AR1	7.8	0.8	100.0%	4.3	0.6	100.0%	-	-	-
	CR3	6.6	0.7	100.0%	6.0	0.6	100.0%	-	-	-
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	1.0	100.0%	6.9	0.9	100.0%	200	34.5	32.0
Marine Park (Depth-averaged)										
Proposed AAHK 3RS MP	MPB	8.5	0.7	100.0%	6.3	0.6	100.0%	-	-	-
Corals (Bottom)										
Pak Chau	CR3	10.4	0.9	100.0%	12.1	0.8	100.0%	200	30.8	14.0
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-3	7.8	4.1	100.0%	4.3	2.8	100.0%	-	-	-

Table 7C.16 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C05 - Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 04_J_A, 04_J_B, 04_J_C, 04_J_D

Two layers of silt curtain at WSRs (80% reduction in SS elevation): Southern Boundary of the Proposed South Lantau MP for MPD-2, MPD-3, MPD-4, MPD-5, MPD-9 (KP0.1-8.9)

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Criteria	Sediment Deposition (g m ⁻² day ⁻¹)	
		Dry Season			Wet Season				Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Corals (Bottom)										
Tai A Chau	CR6	7.8	0.5	100.0%	4.3	1.2	100.0%	200	14.3	42.9
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPC-3	6.0	1.5	100.0%	6.3	2.2	100.0%	-	-	-
	MPC-4	6.0	0.3	100.0%	6.3	1.2	100.0%	-	-	-
	MPC-5	6.0	0.3	100.0%	6.3	1.0	100.0%	-	-	-
	MPD-2	6.0	0.4	100.0%	6.3	2.1	100.0%	-	-	-
	MPD-3	3.9	1.0	100.0%	3.1	0.5	100.0%	-	-	-
	MPD-4	3.9	0.2	100.0%	3.1	0.4	100.0%	-	-	-
	MPD-5	3.9	2.1	100.0%	3.1	1.7	100.0%	-	-	-

Table 7C.17 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C06 - Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 02_J_A, 02_J_B, 02_J_C

Two layers of silt curtain at WSRs (80% reduction in SS elevation): Eastern Boundary of the Proposed South Lantau MP for MPD-5, MPD-6, MPD-9 (KP0.1-5.0)

Rate reduction: None

Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Criteria	Sediment Deposition (g m ⁻² day ⁻¹)	
		Dry Season			Wet Season				Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Marine Park (Depth-averaged)										
Proposed South Lantau MP	MPD-9	3.9	0.3	100.0%	3.1	0.2	100.0%	-	-	-
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPD-5	3.9	0.5	100.0%	3.1	0.6	100.0%	-	-	-
	MPD-6	3.9	0.3	100.0%	3.1	0.2	100.0%	-	-	-

Table 7C.18 Predicted Maximum Elevation in Suspended Solid and Sediment Deposition at WSRs and Observation Points from various Marine Construction Scenarios C07 - Mitigated

Mitigation measures:

Silt curtain at source (85% reduction in sediment dispersion): 08_J

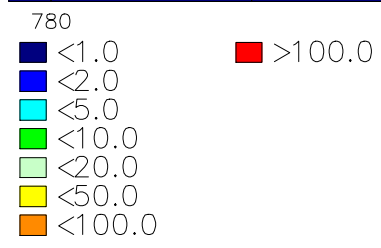
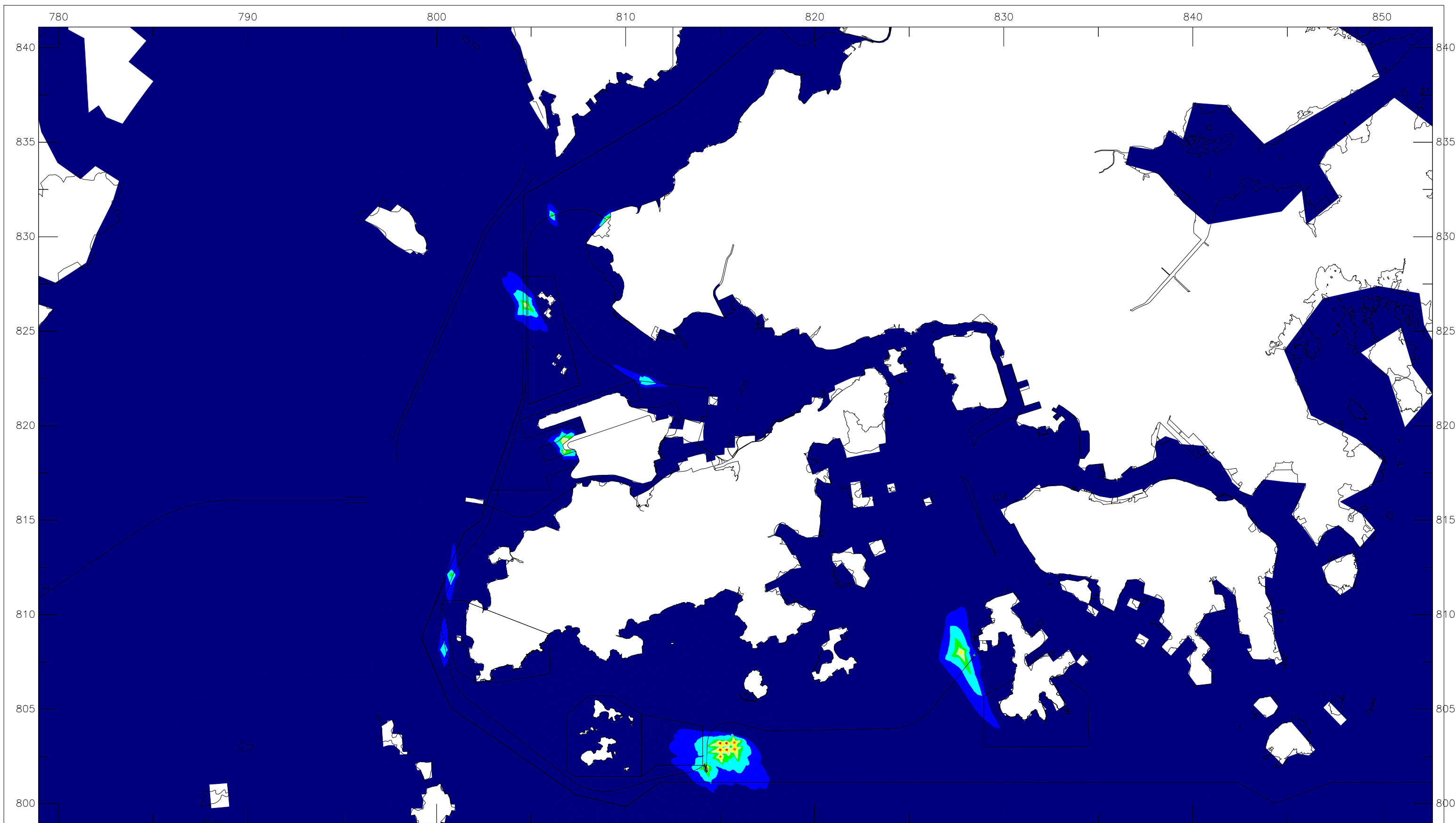
Two layers of silt curtain at WSRs (80% reduction in SS elevation): Western Boundary of the Sha Chau and Lung Kwu Chau MP for MPA-3, AR1, CR3 (KP31.5-36.0)

Rate reduction: None

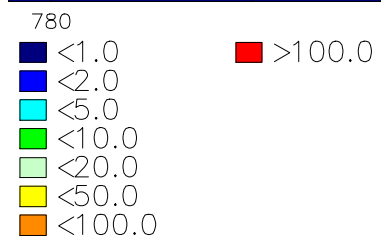
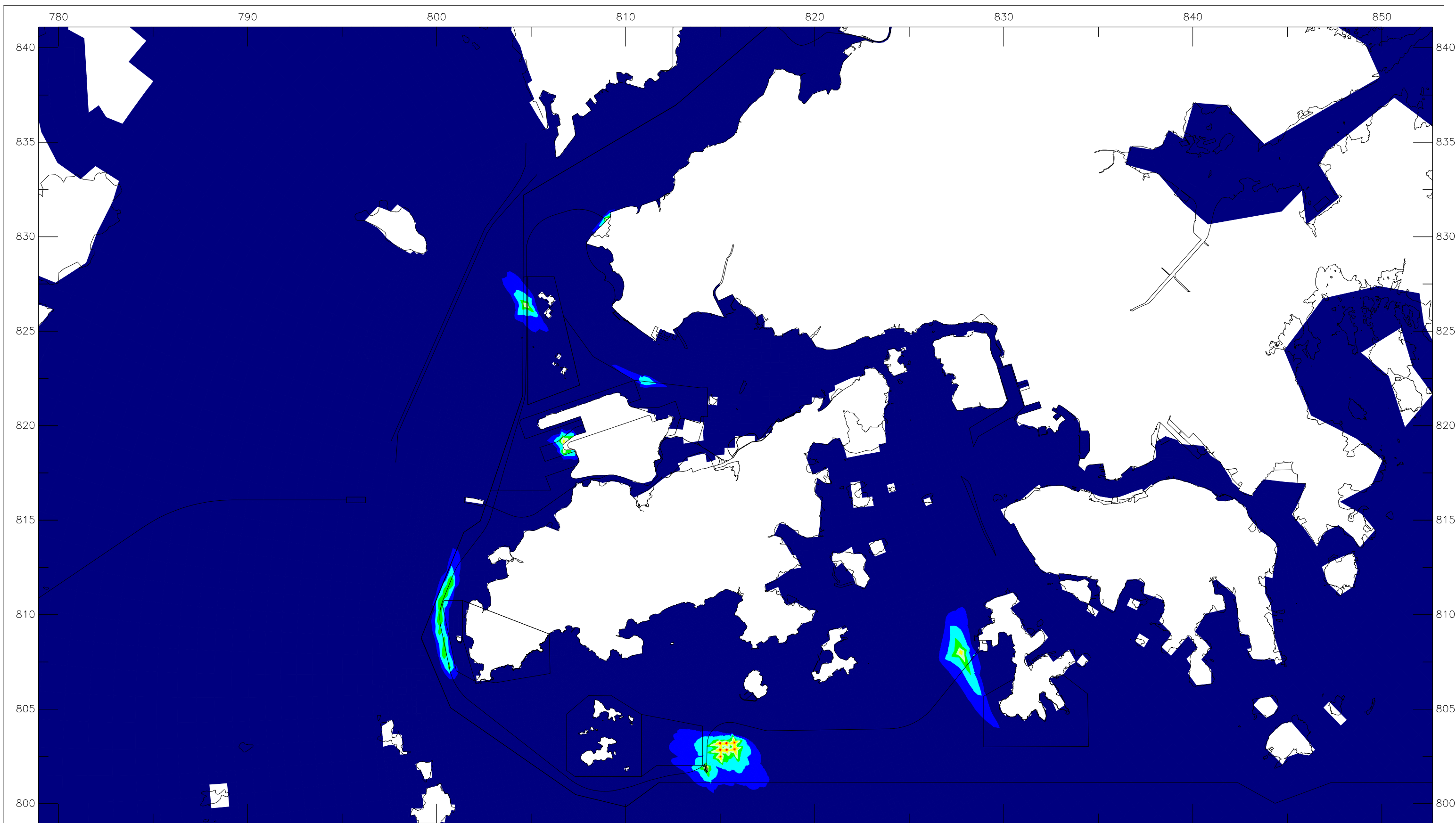
Sensitive Receivers	Model Output Location	SS Elevation (mg L ⁻¹)						Criteria	Sediment Deposition (g m ⁻² day ⁻¹)	
		Dry Season			Wet Season				Dry Season	Wet Season
		Allowable Increase	Max. Increase	Compliance Time %	Allowable Increase	Max. Increase	Compliance Time %		Max.	Max.
Spawning/Nursery Grounds (Depth-averaged)										
Fisheries Spawning Ground in North Lantau	AR1	7.8	0.3	100.0%	4.3	0.1	100.0%	-	-	-
	CR3	6.6	0.6	100.0%	6.0	0.6	100.0%	-	-	-
Artificial Reef Deployment Area (Bottom)										
Sha Chau and Lung Kwu Chau	AR1	9.8	0.3	100.0%	6.9	0.2	100.0%	200	11.3	9.7
Corals (Bottom)										
Pak Chau	CR3	10.4	1.3	100.0%	12.1	2.8	100.0%	200	44.0	88.3
Observation Points (Depth-averaged) (for reference)										
Boundary of Existing & Proposed Marine Parks	MPA-3	7.8	1.4	100.0%	4.3	0.4	100.0%	-	-	-

Annex 7C

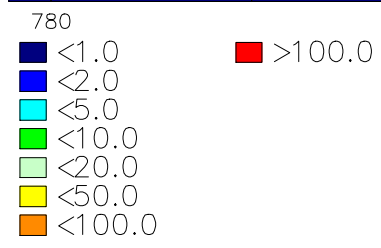
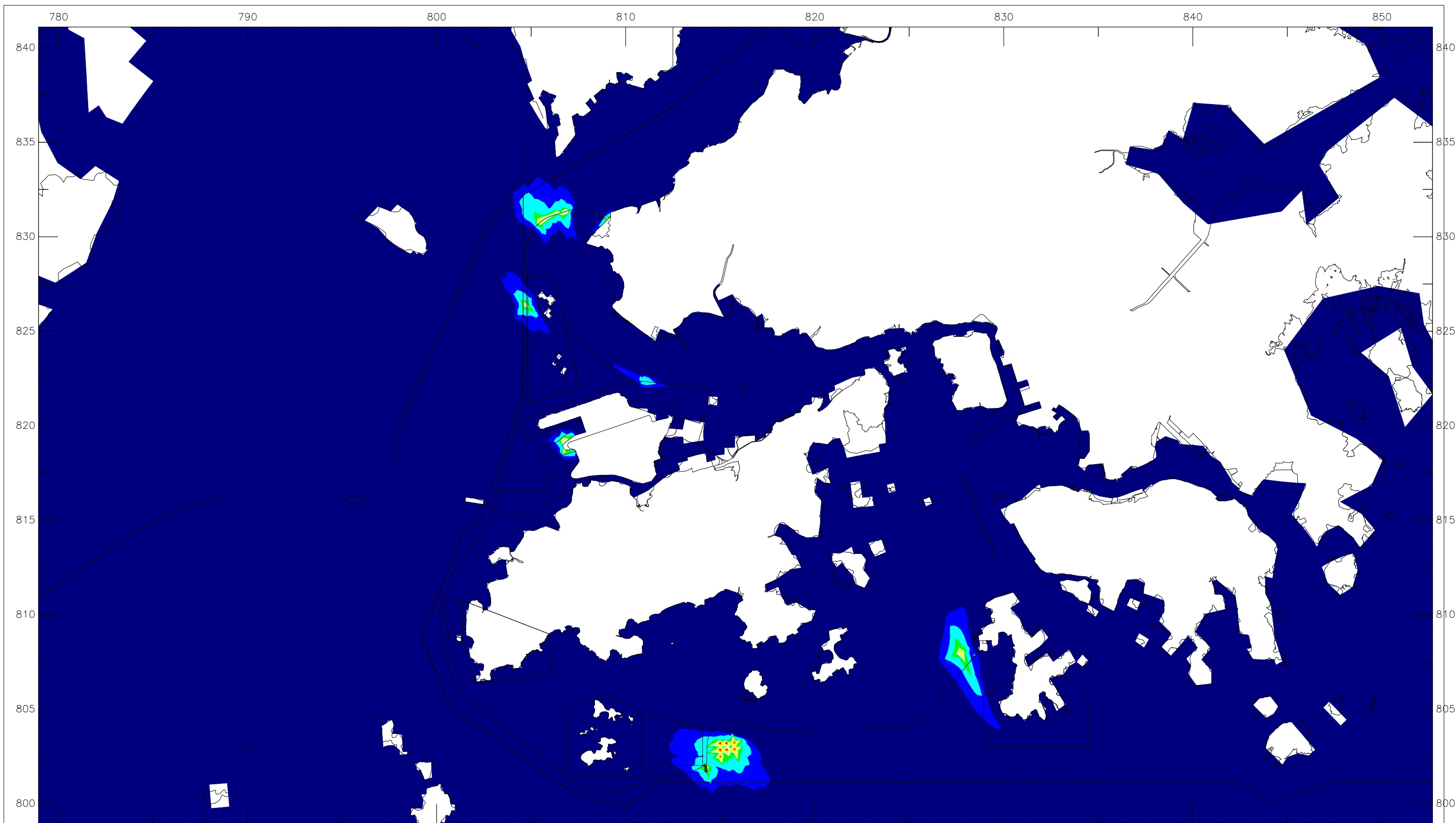
Part 2 - Contour Plots for
Construction Phase
Sediment Plume Modelling
- SS Elevation



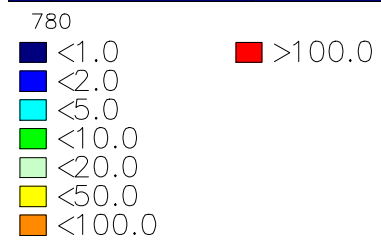
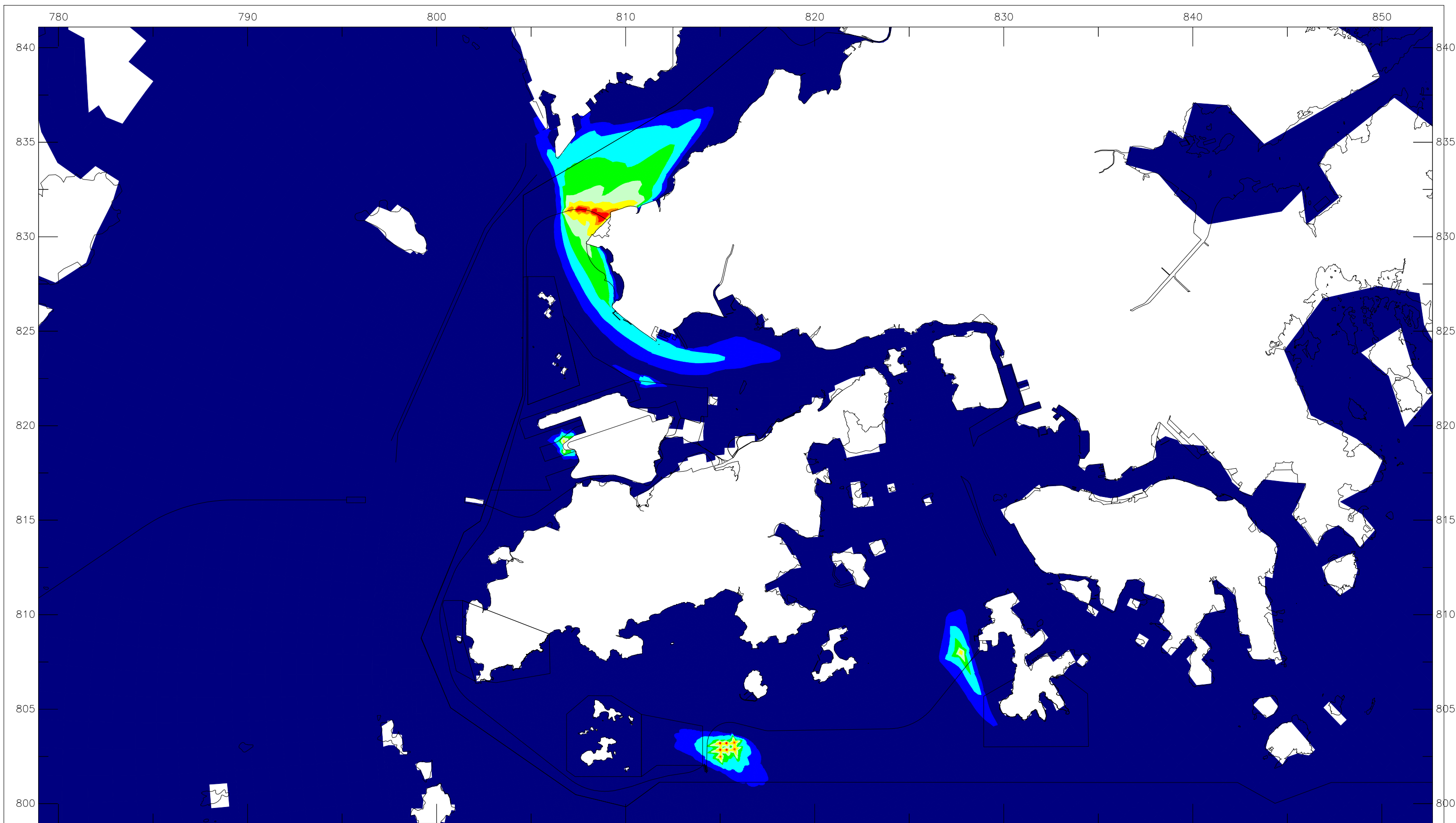
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01A		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



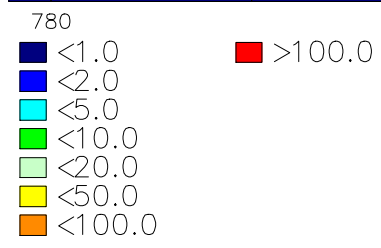
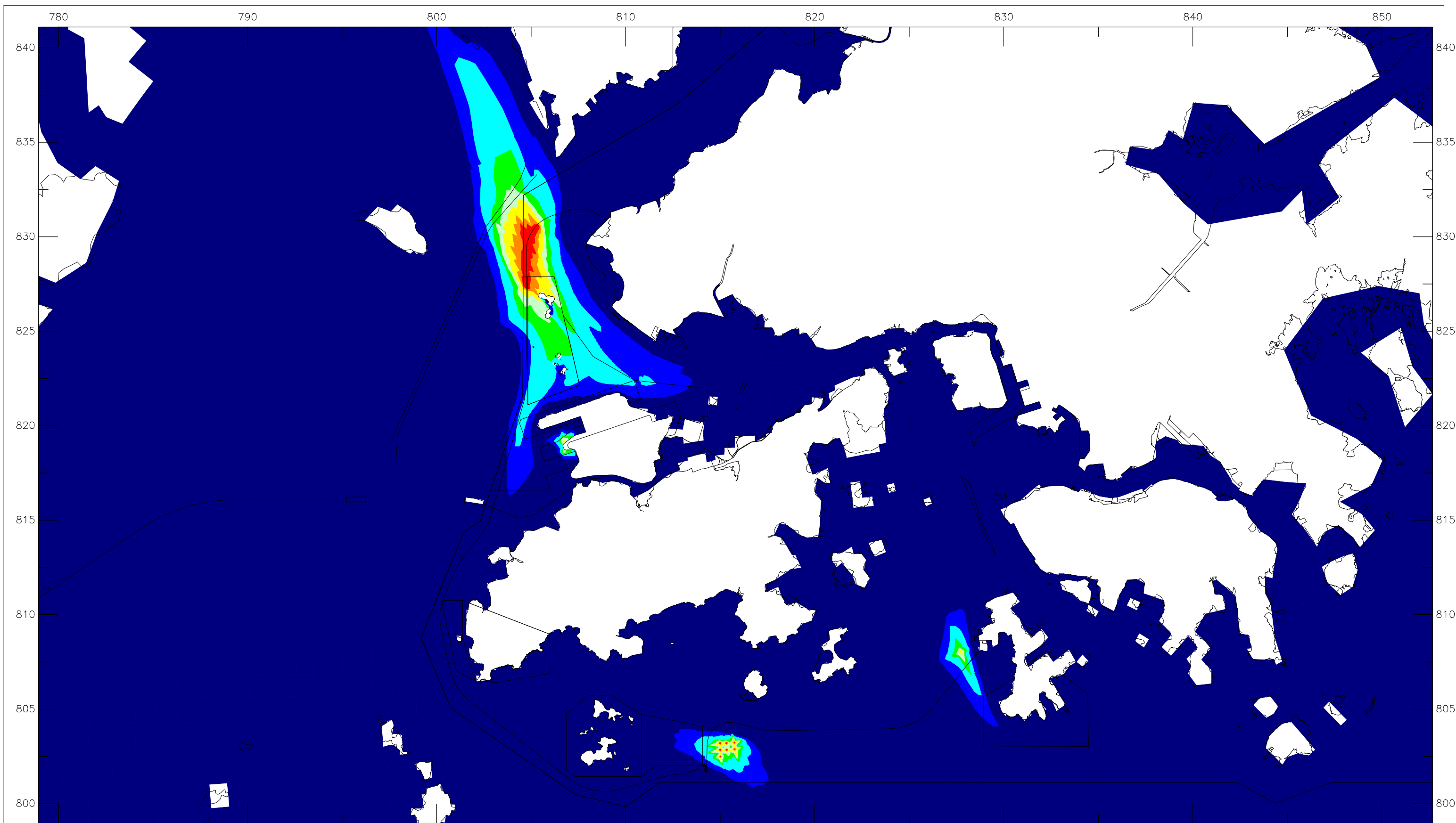
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01B		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



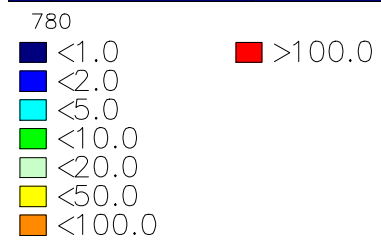
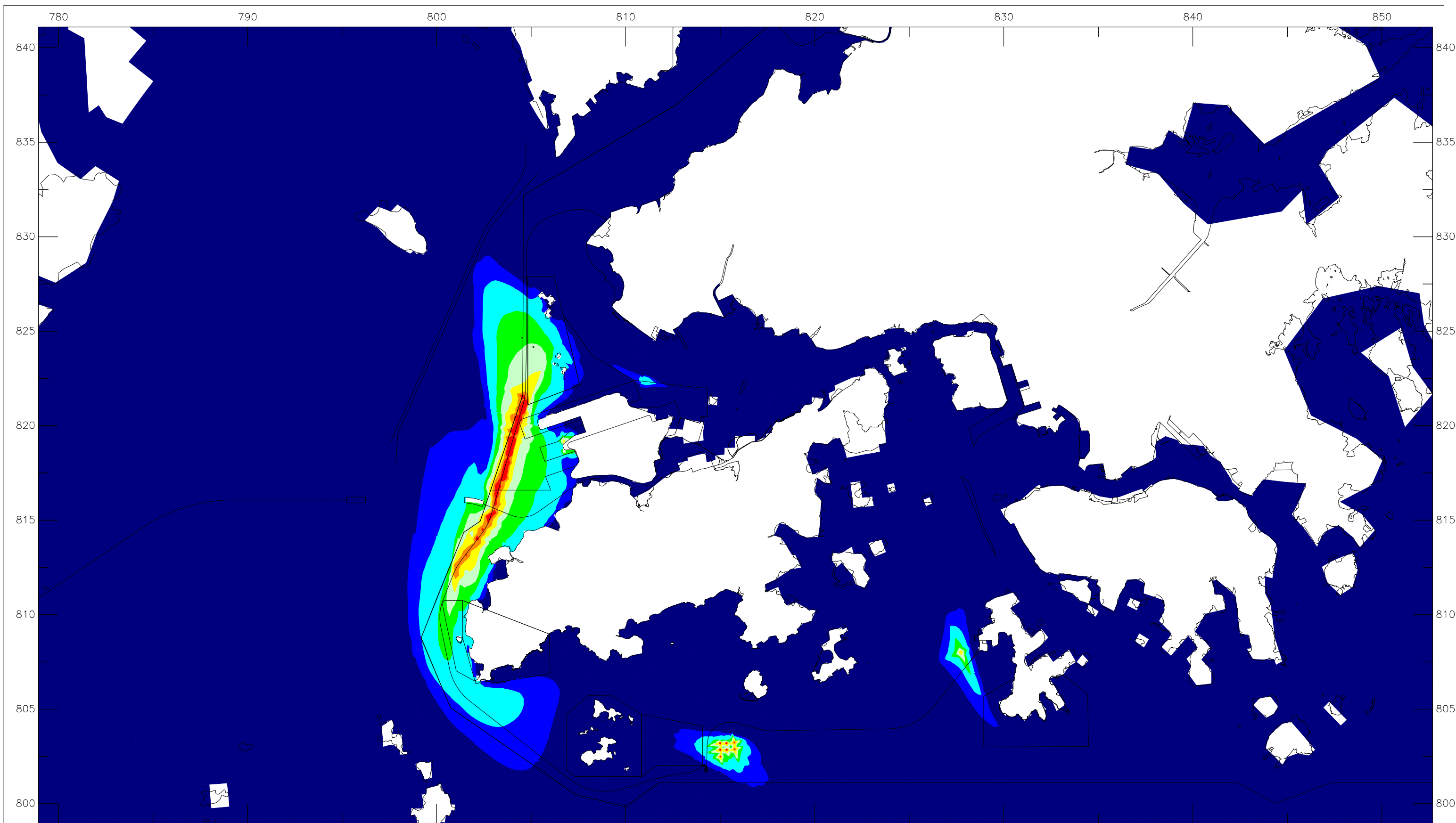
Offshore LNG Terminal EIA	Dry 2019
Construction Phase Sediment Plume Modelling - Scenario C01C	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



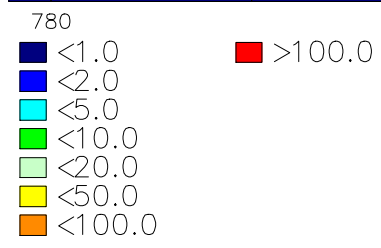
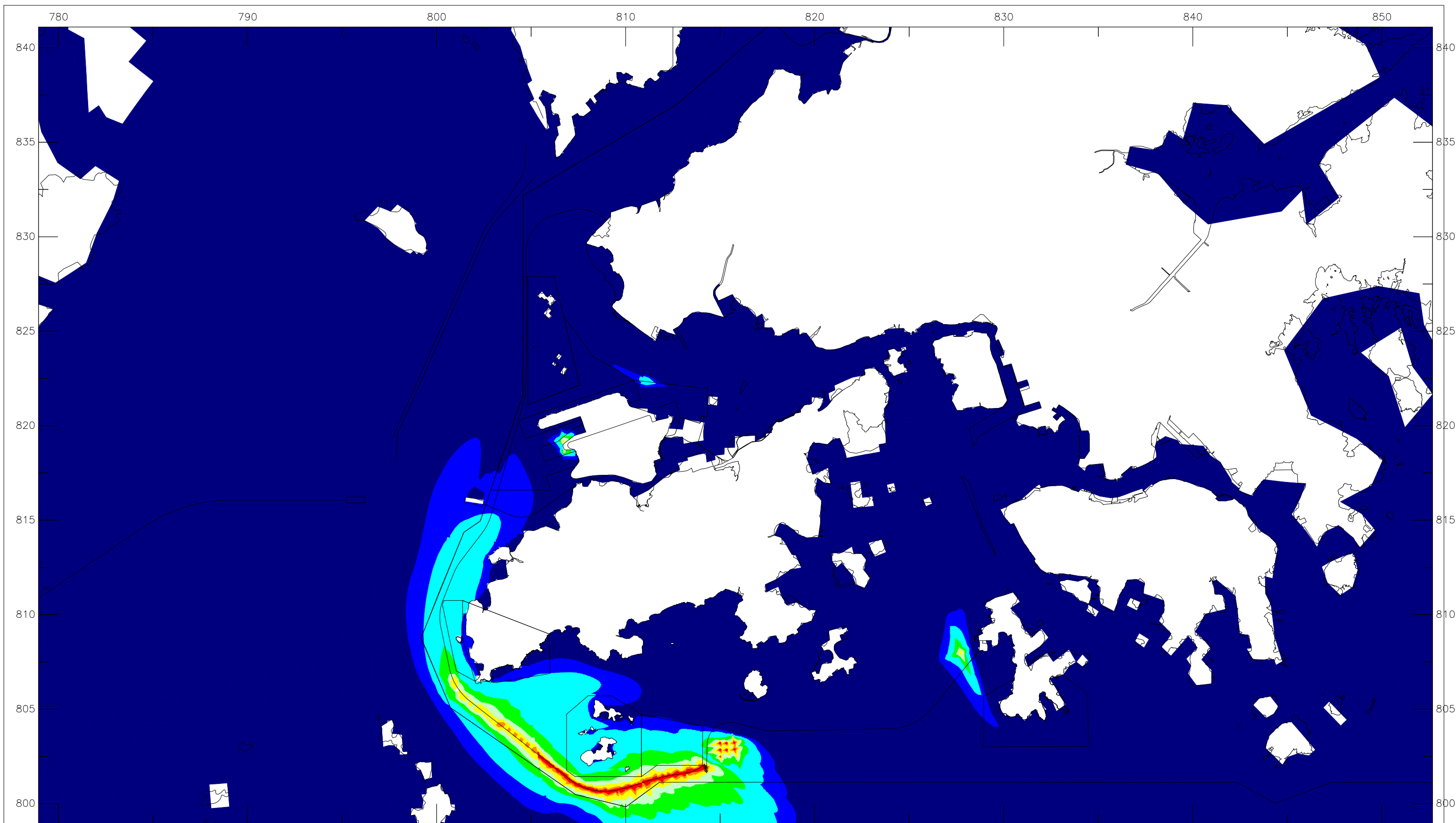
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C02		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



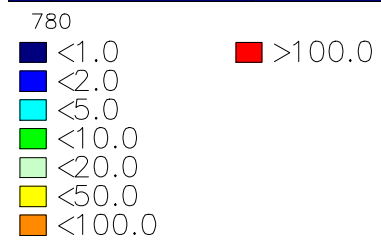
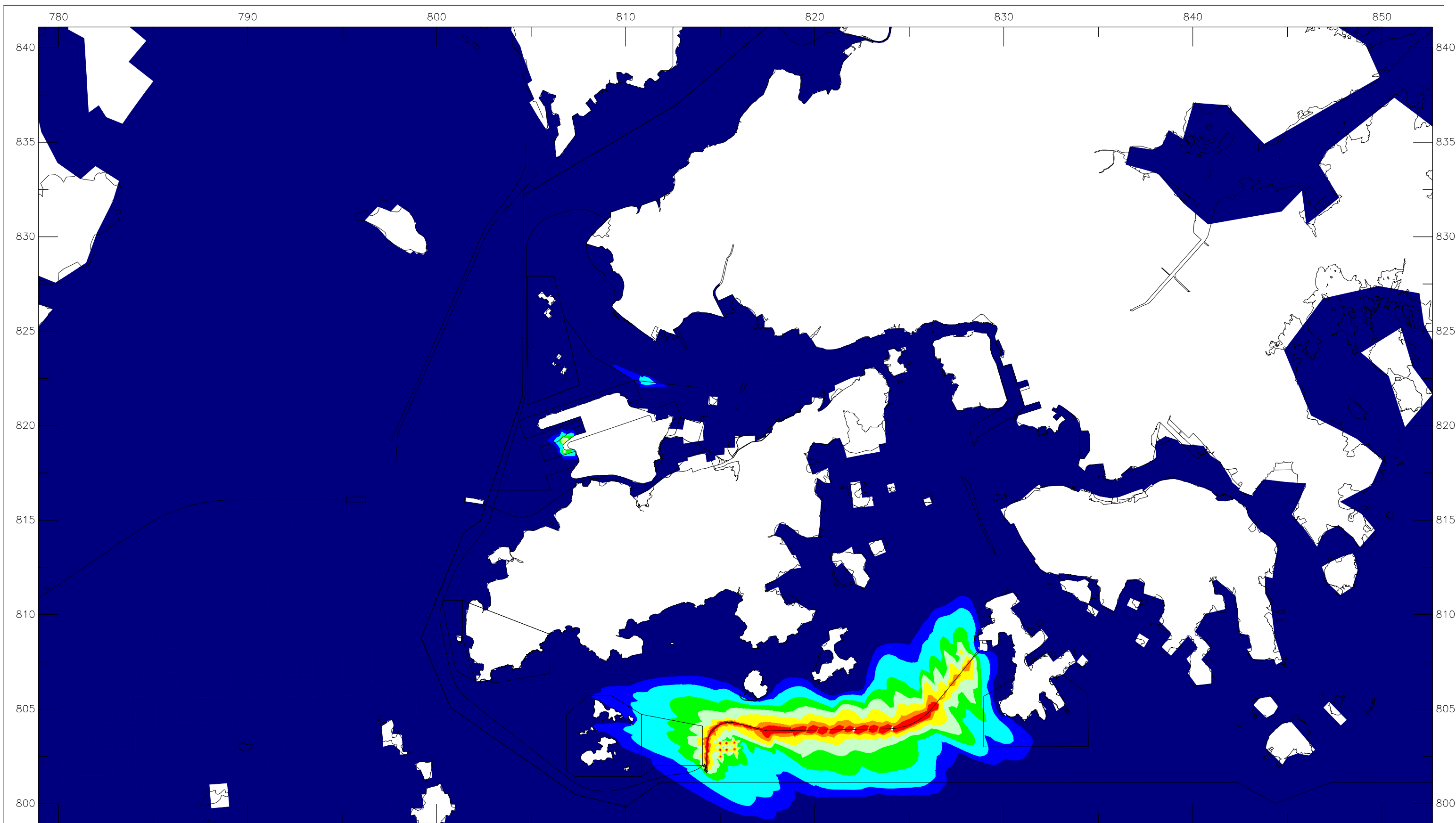
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Construction Phase Sediment Plume Modelling - Scenario C03		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



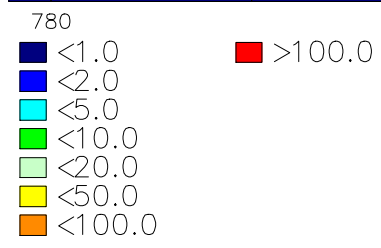
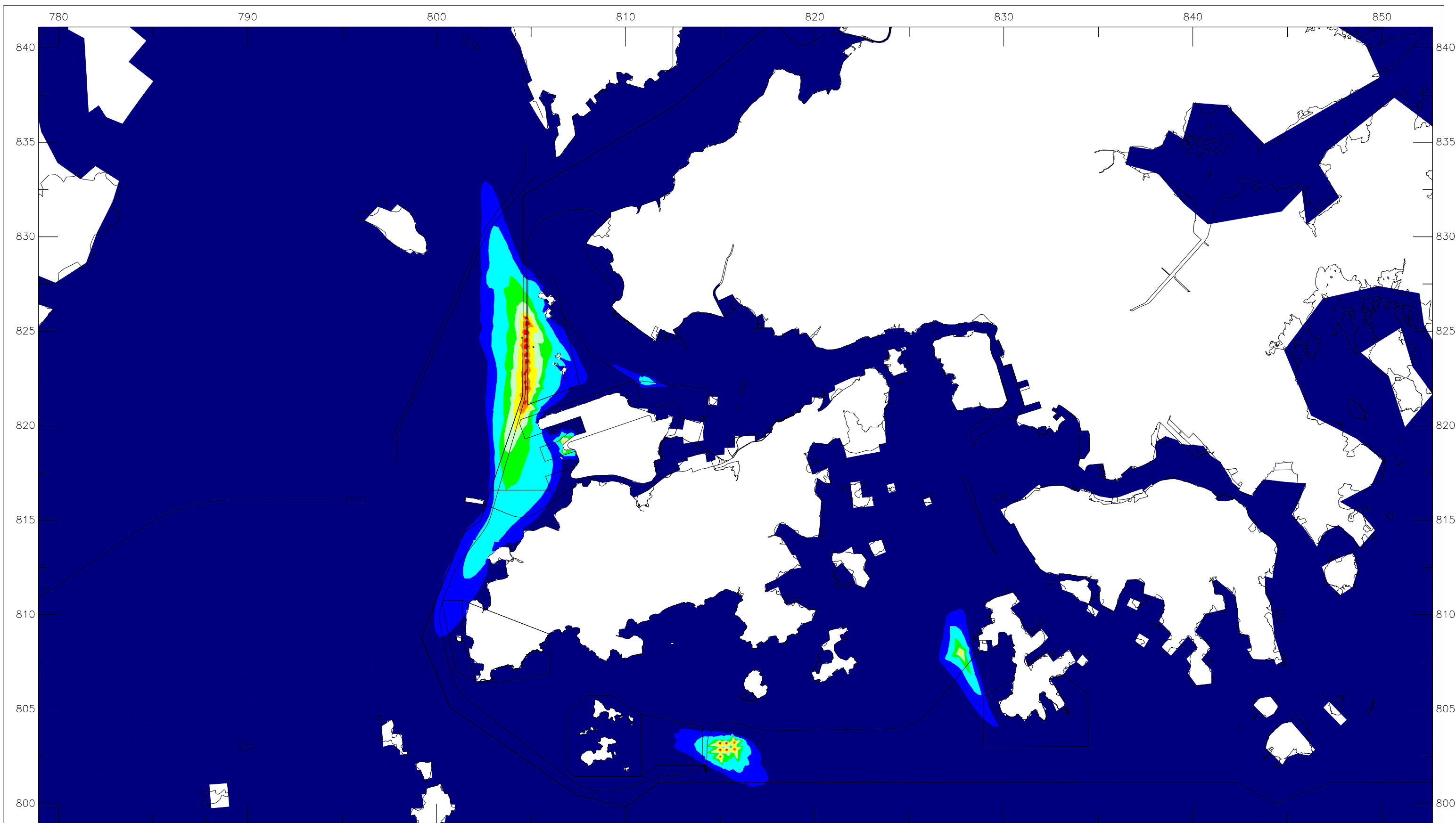
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C04		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



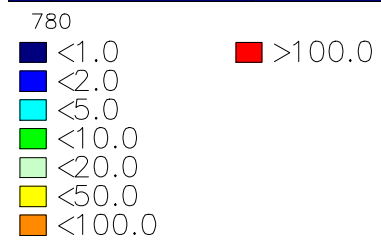
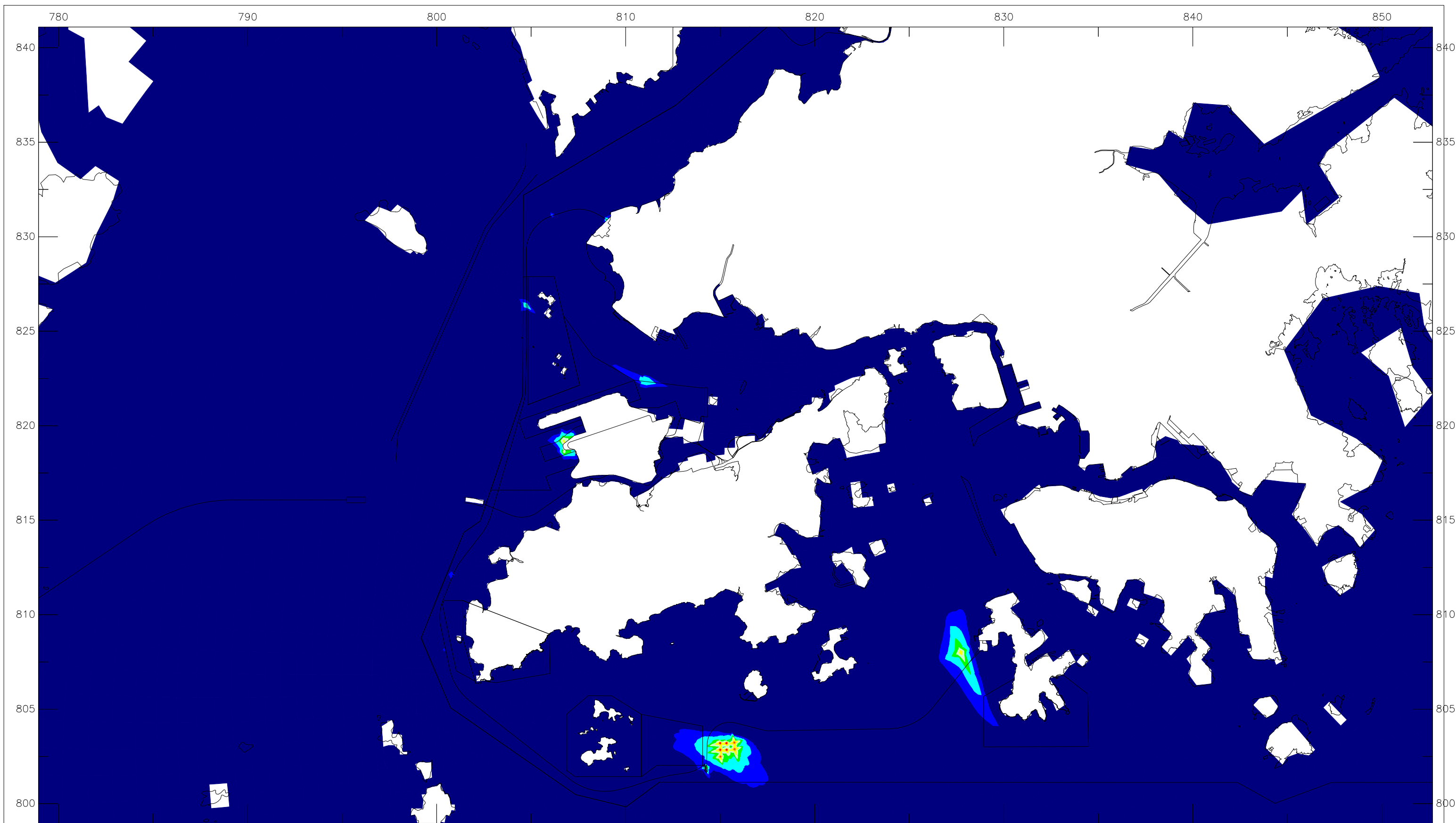
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C05		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



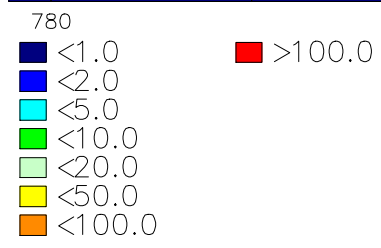
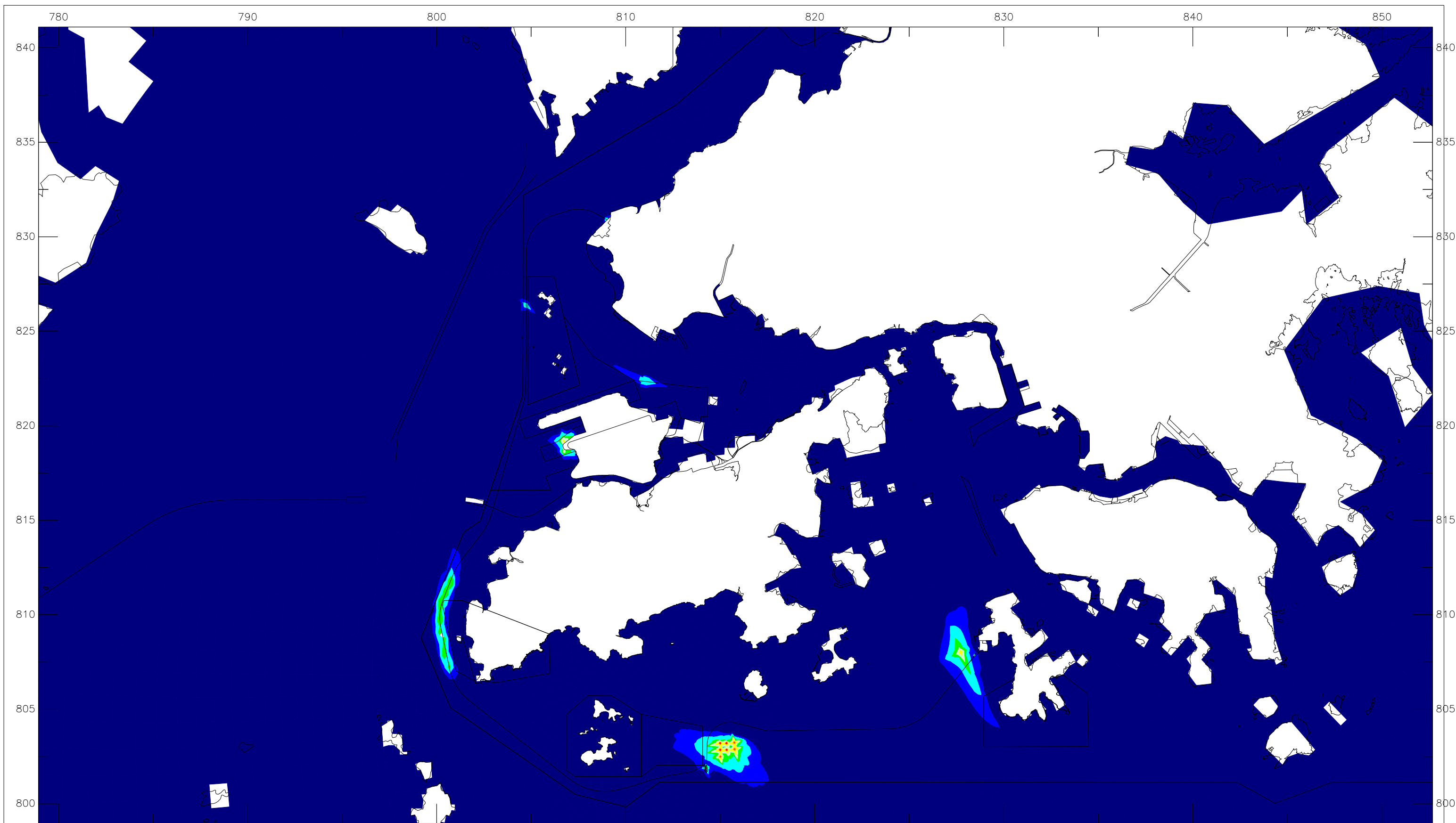
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C06		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



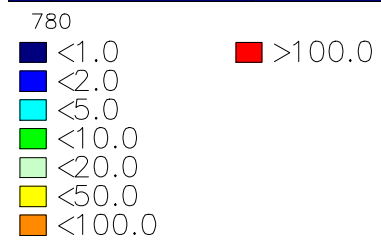
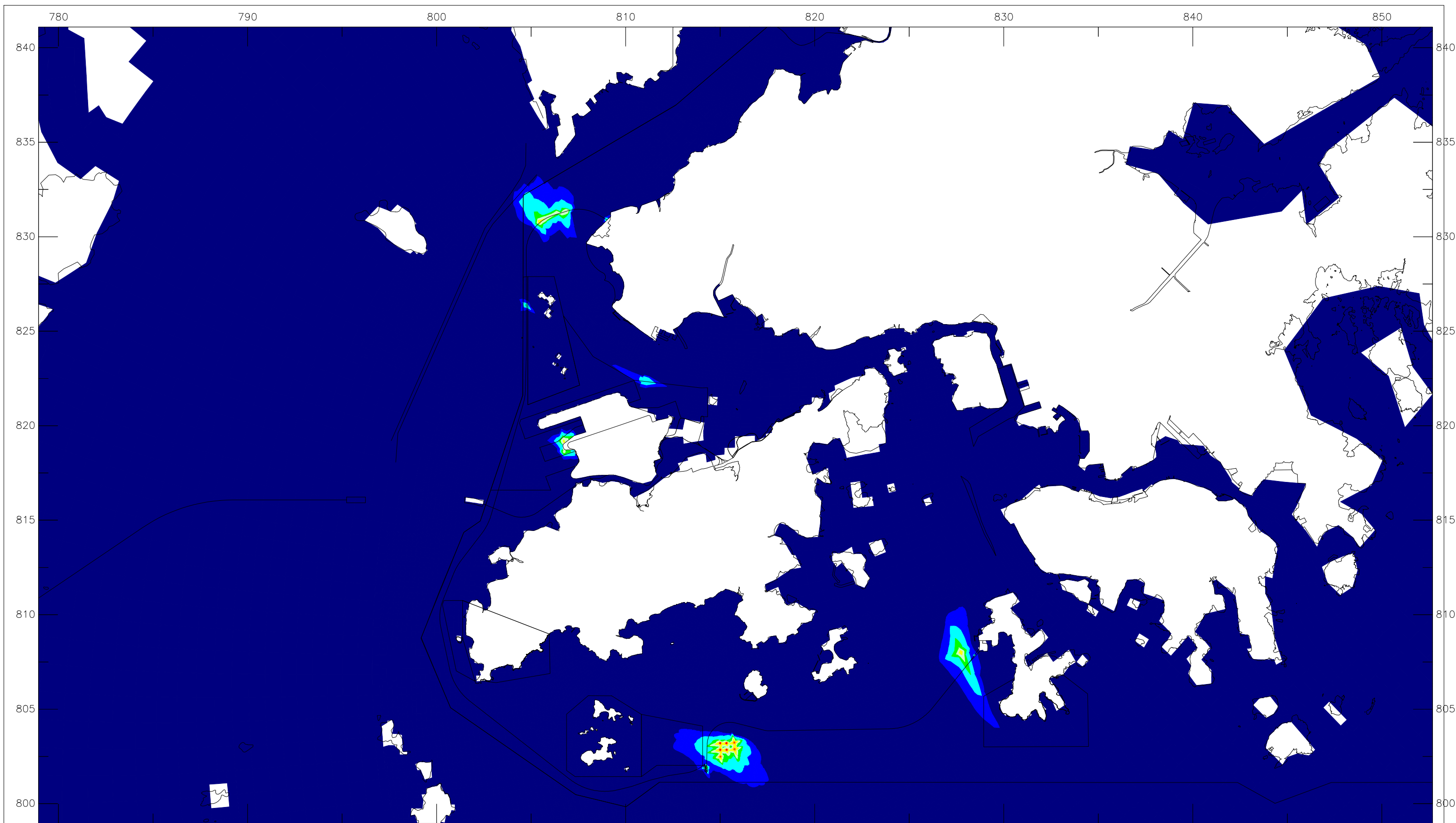
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C07		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



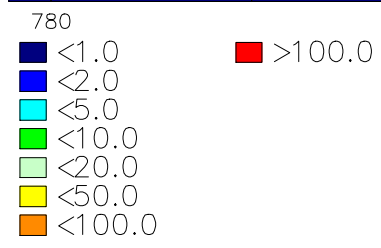
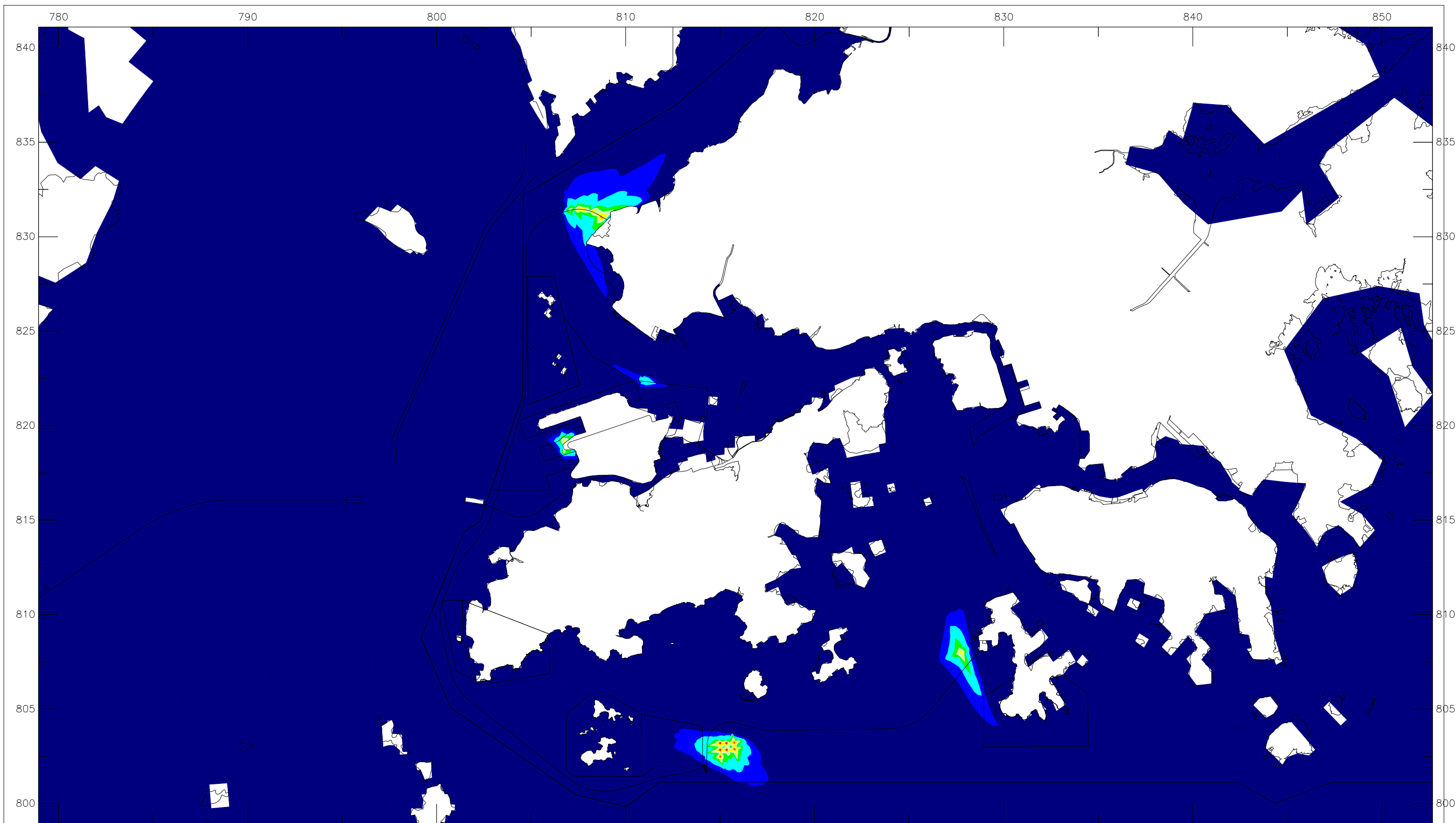
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling – Scenario C01A – mitigated		
Maximum Depth-averaged SS Elevation (mg/L)		Annex-7C
ERM		Annex 7C.ssn



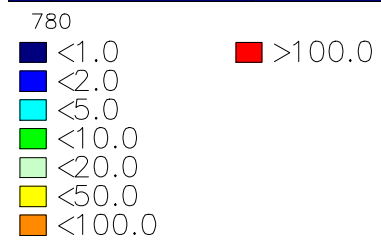
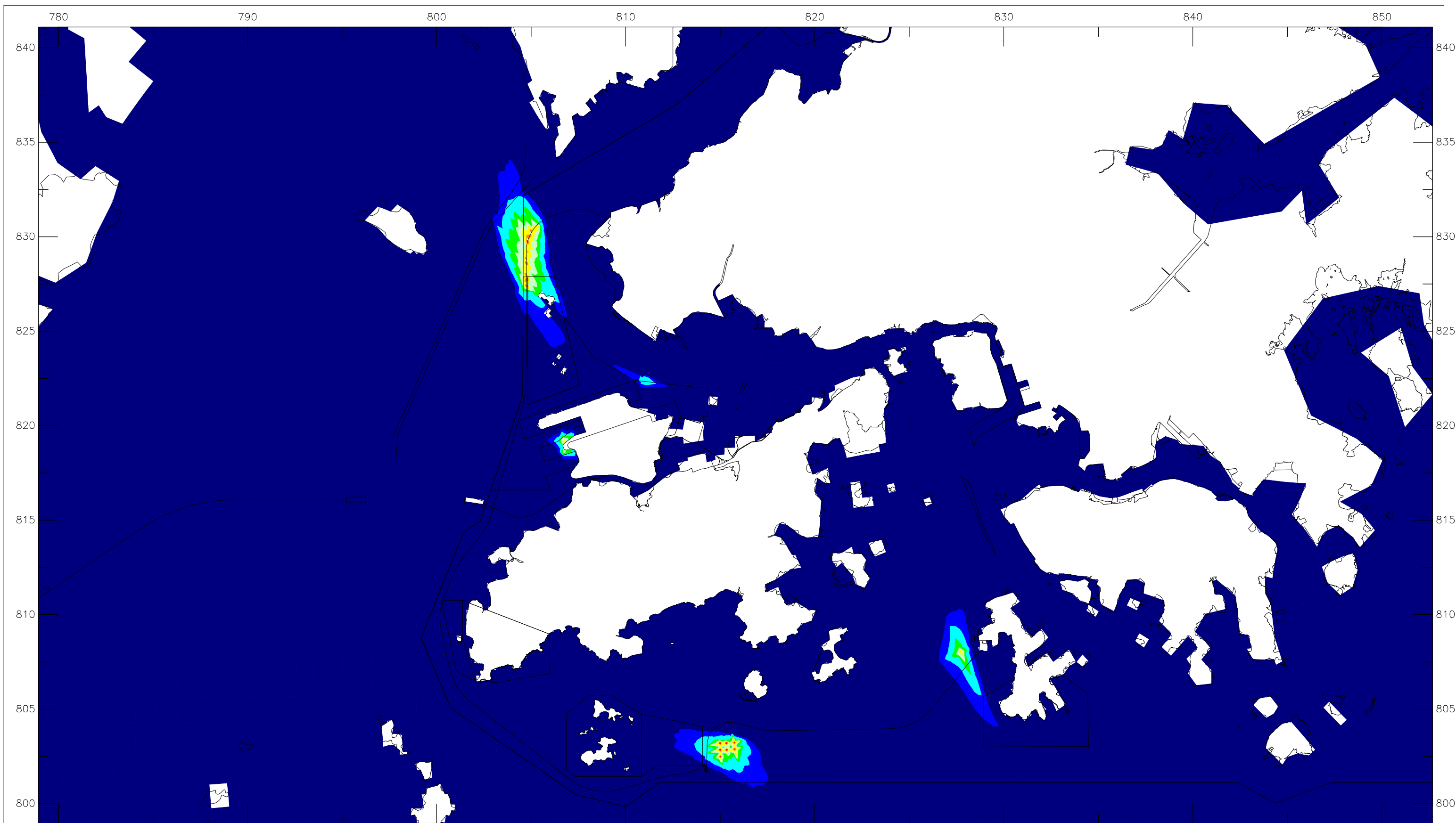
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01B - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



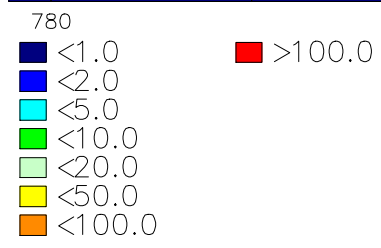
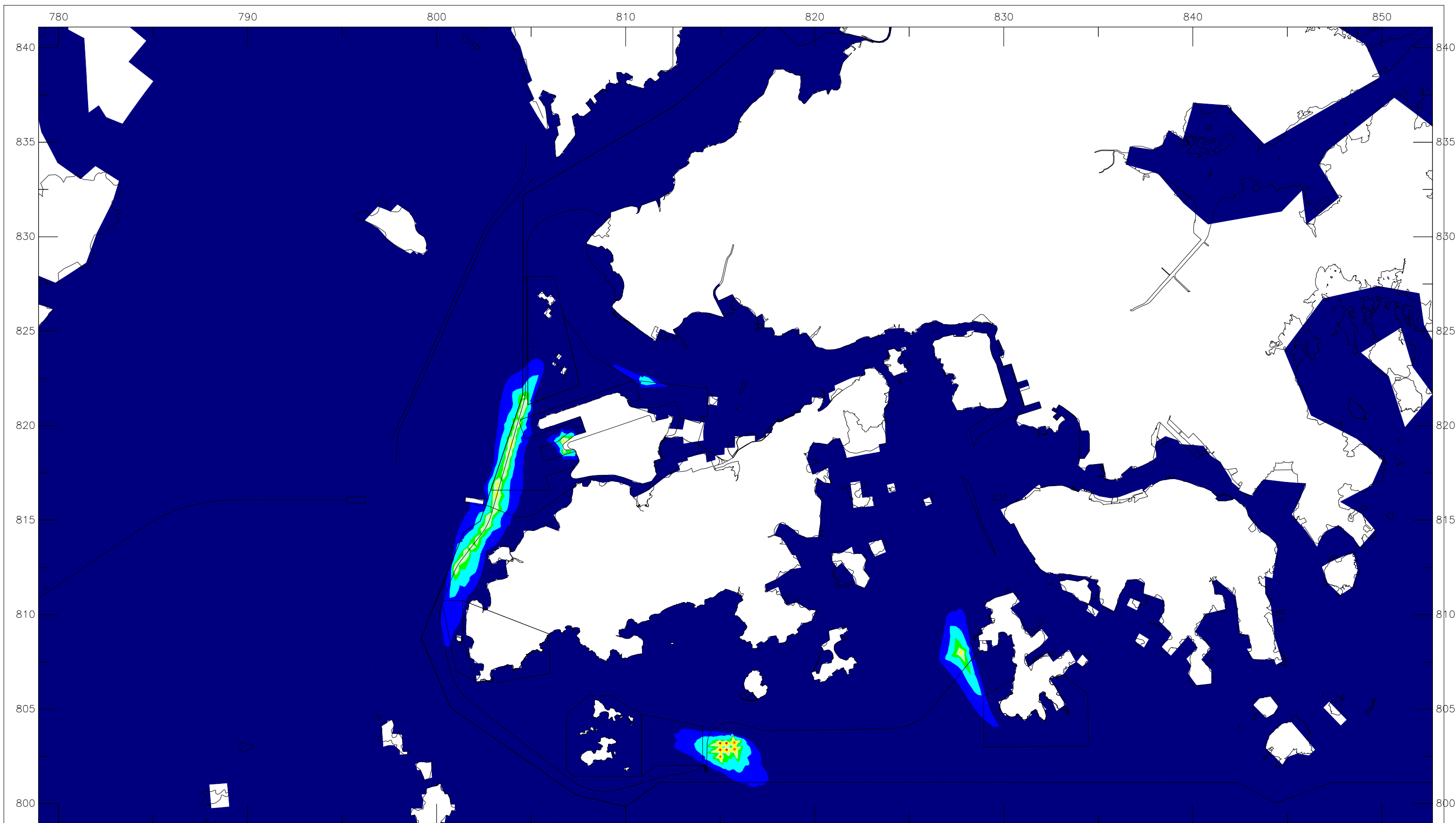
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01C - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)		
ERM		Annex-7C
		Annex 7C.ssn



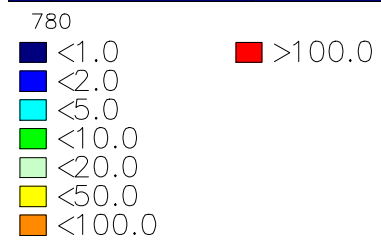
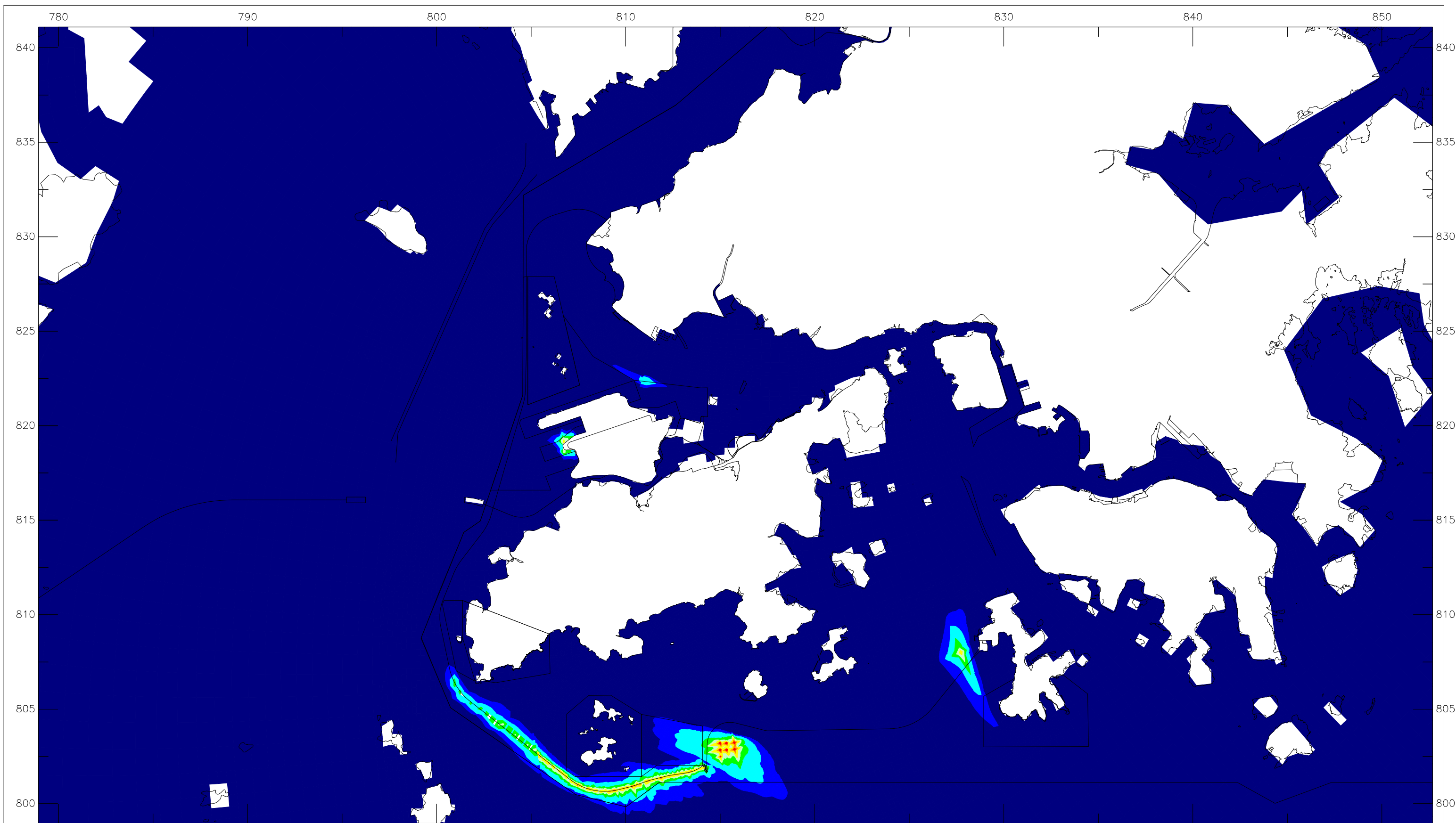
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C02 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



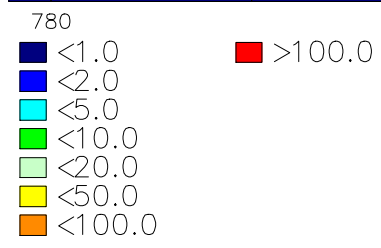
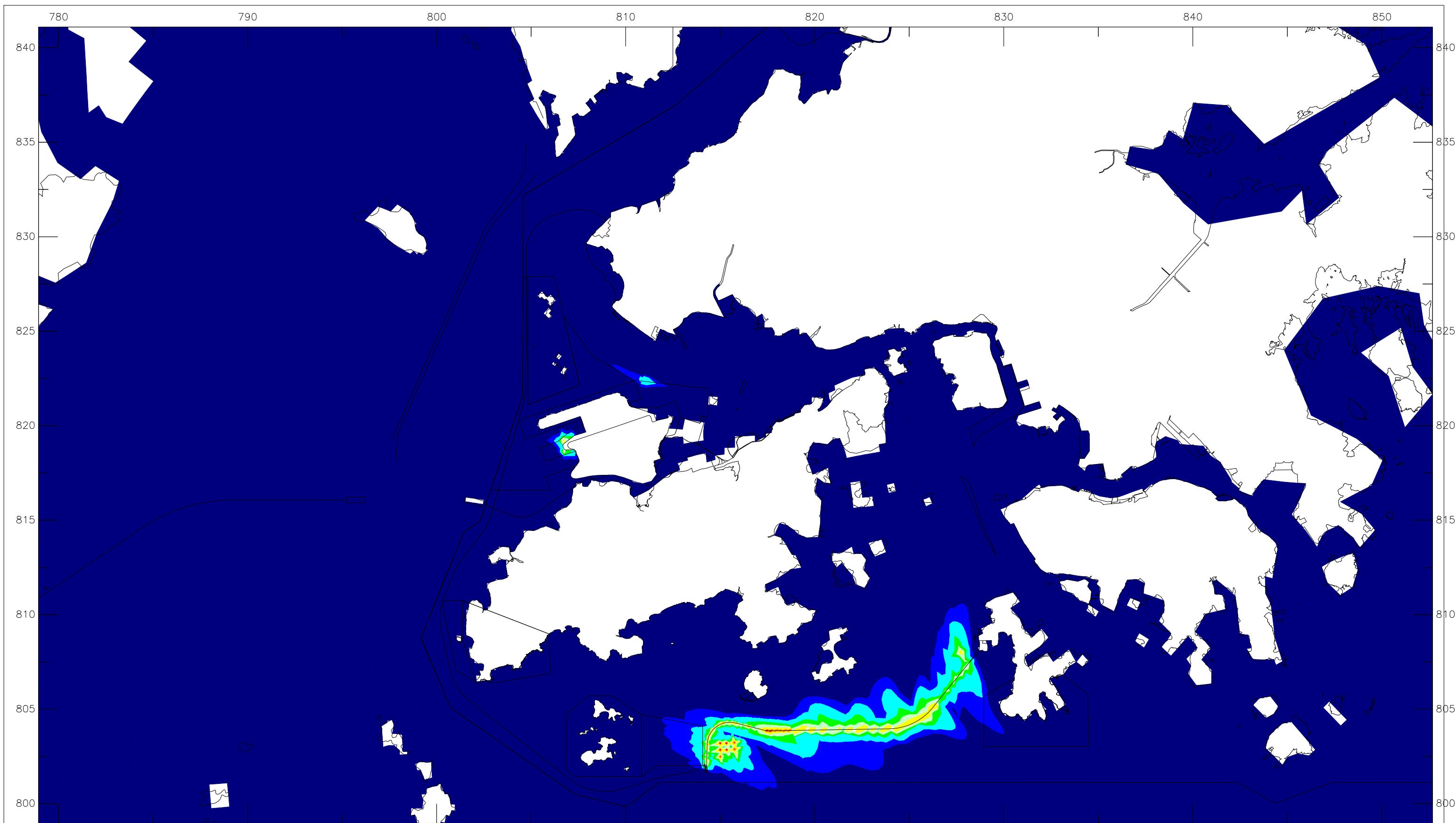
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C03 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



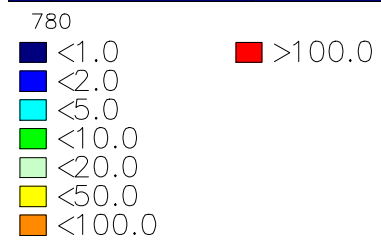
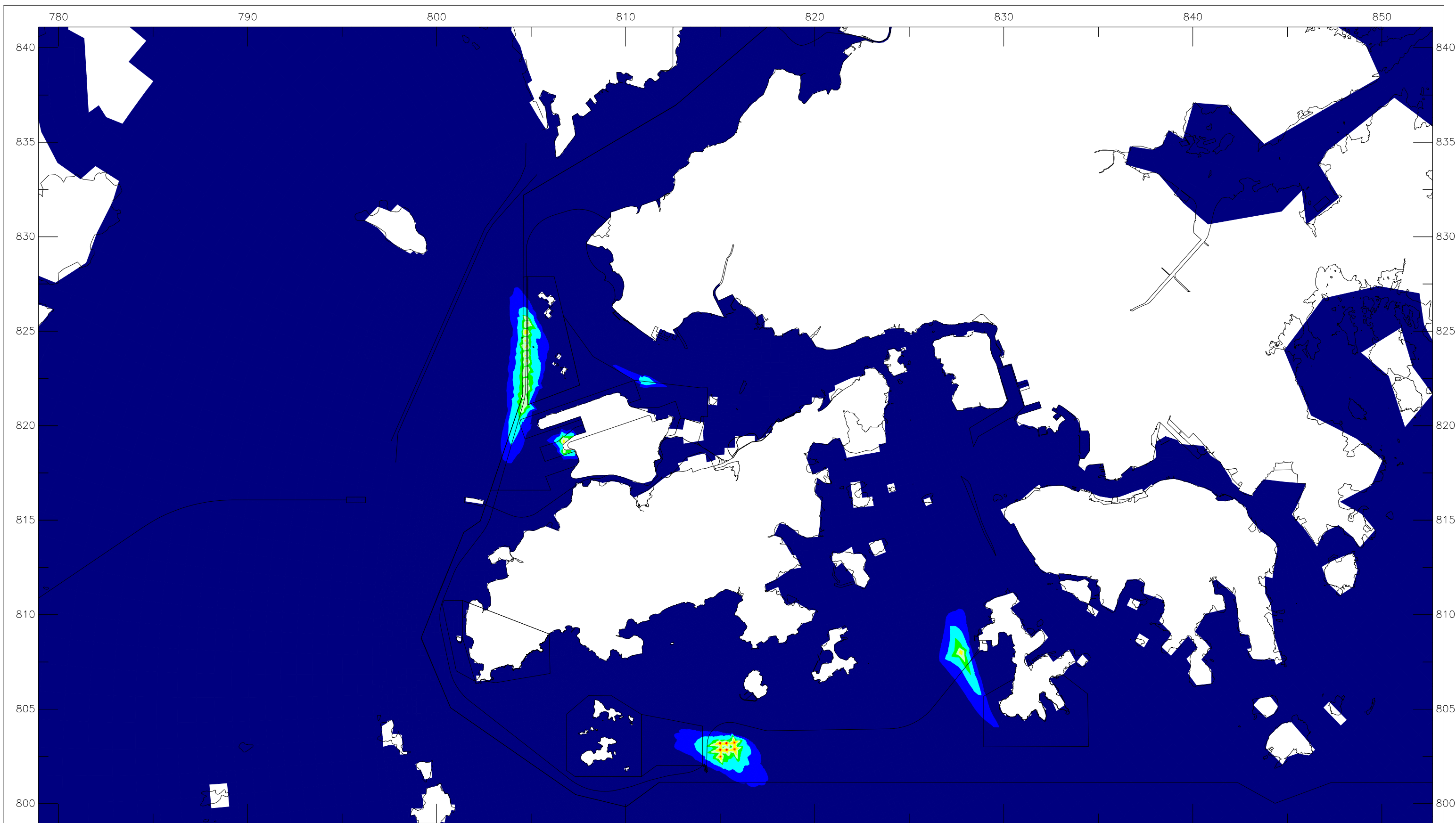
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C04 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



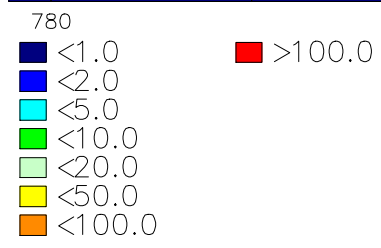
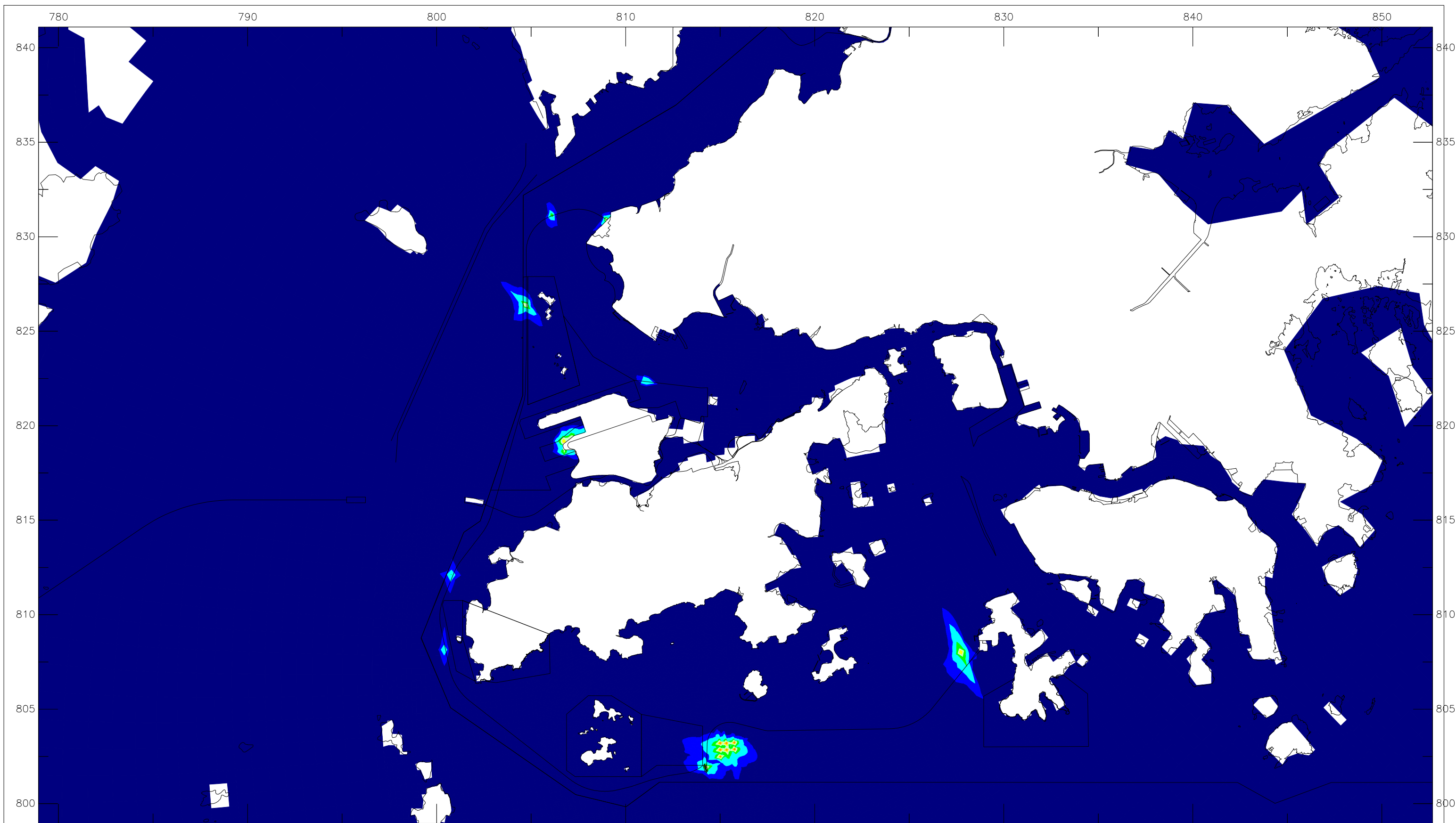
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C05 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



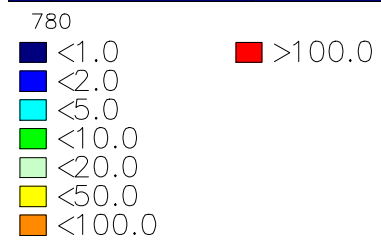
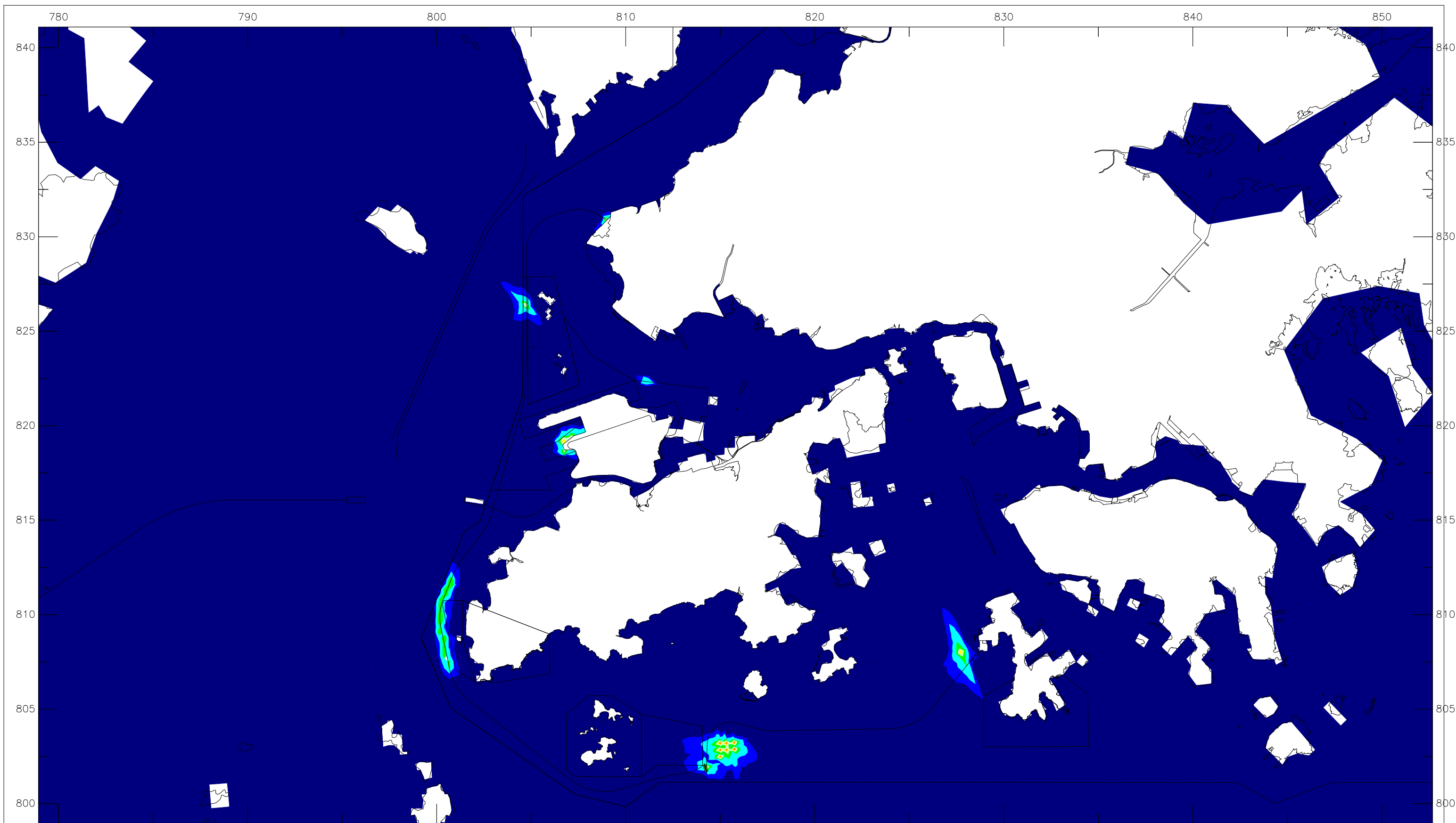
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C06 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



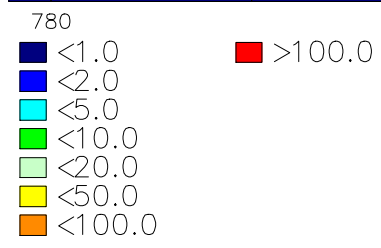
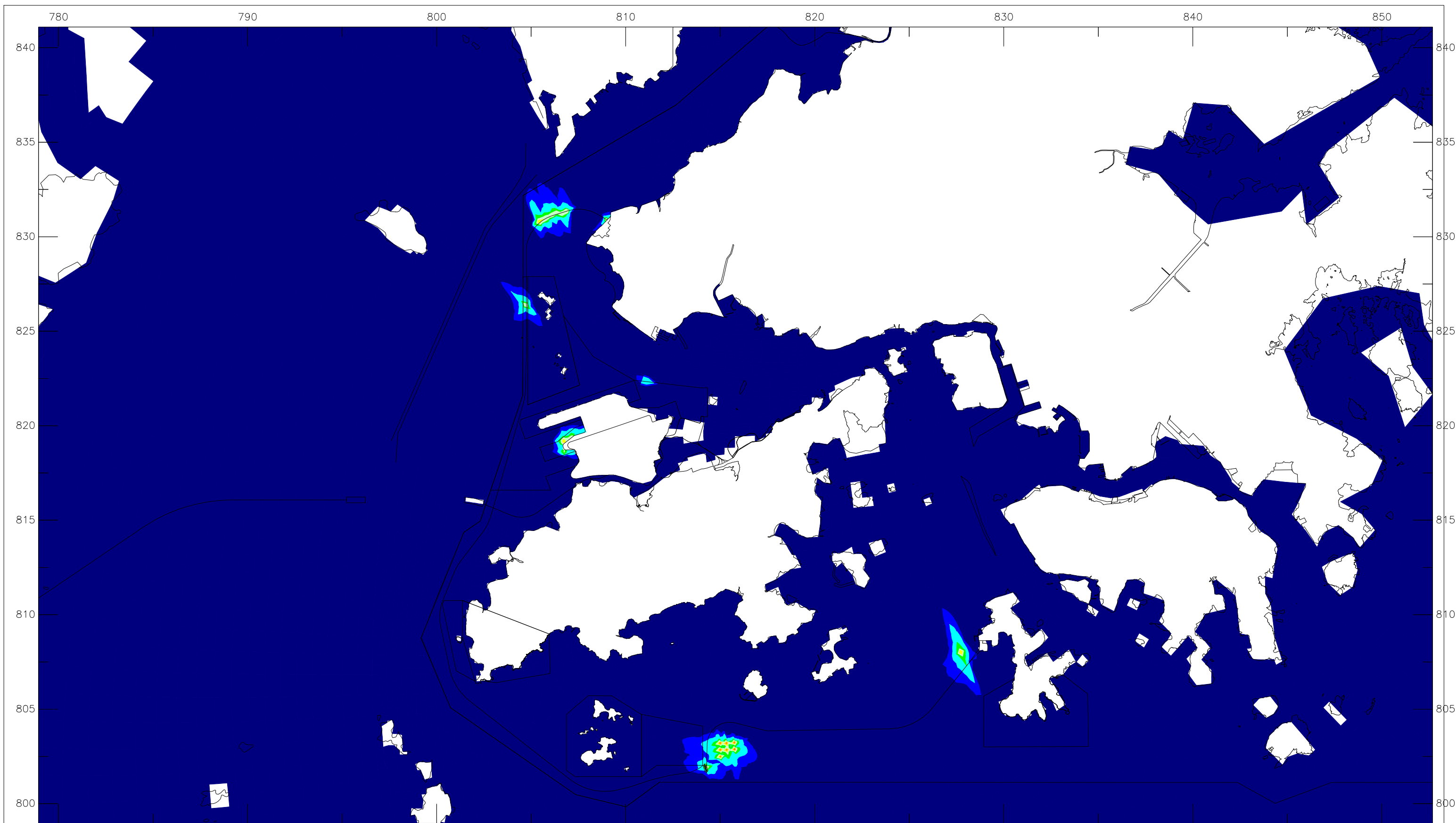
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C07 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)		Annex-7C
ERM		Annex 7C.ssn



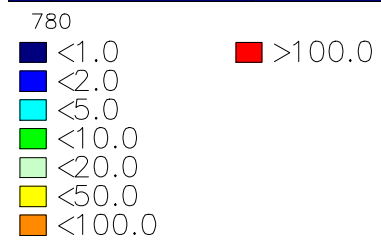
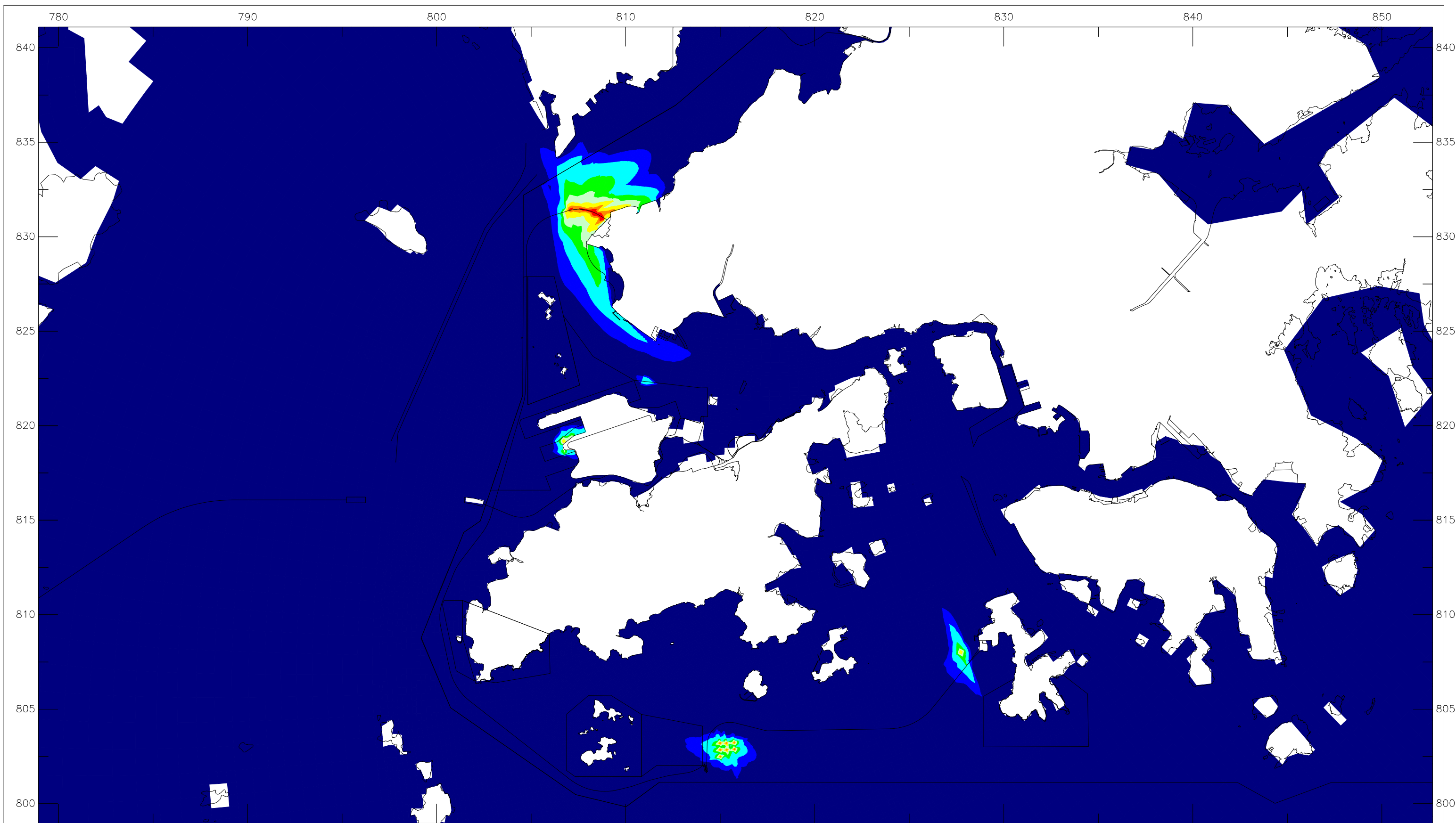
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01A	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



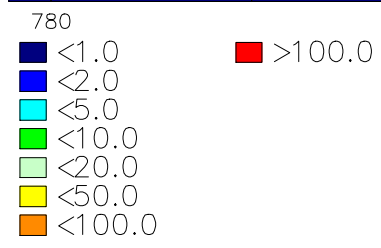
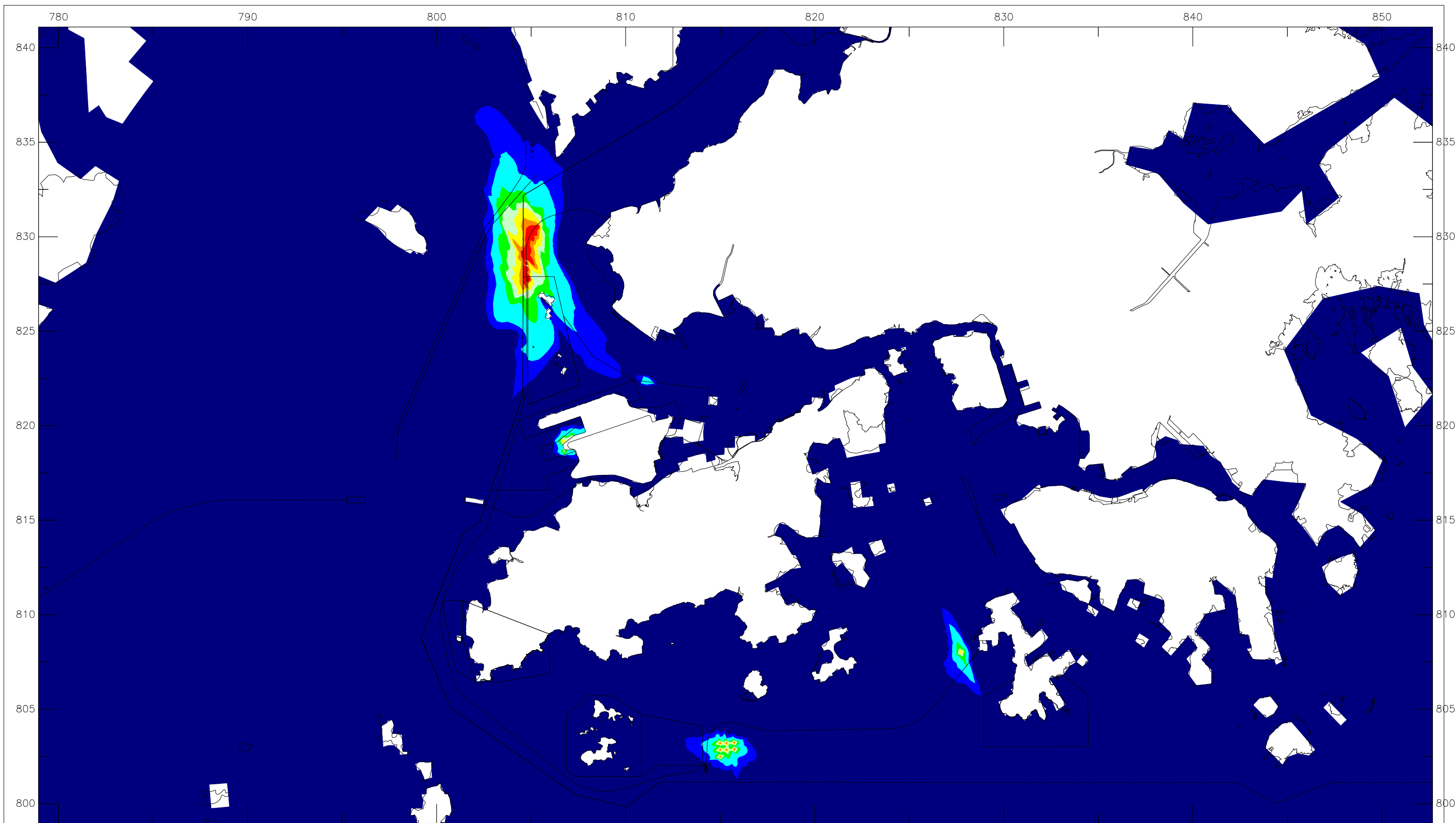
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01B	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



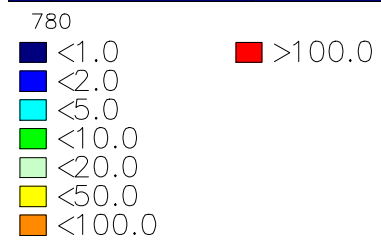
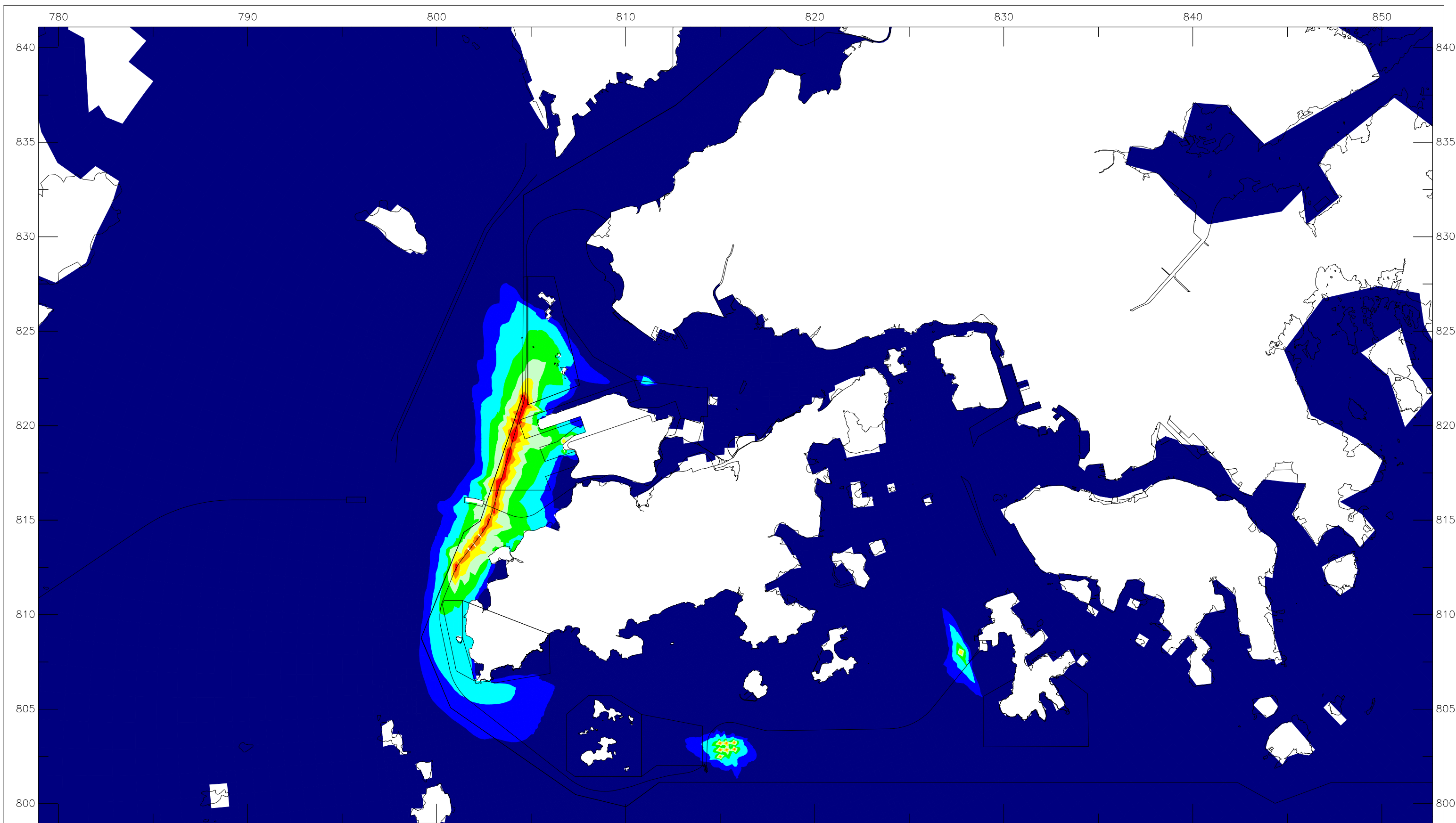
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01C	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



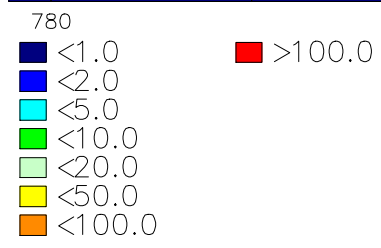
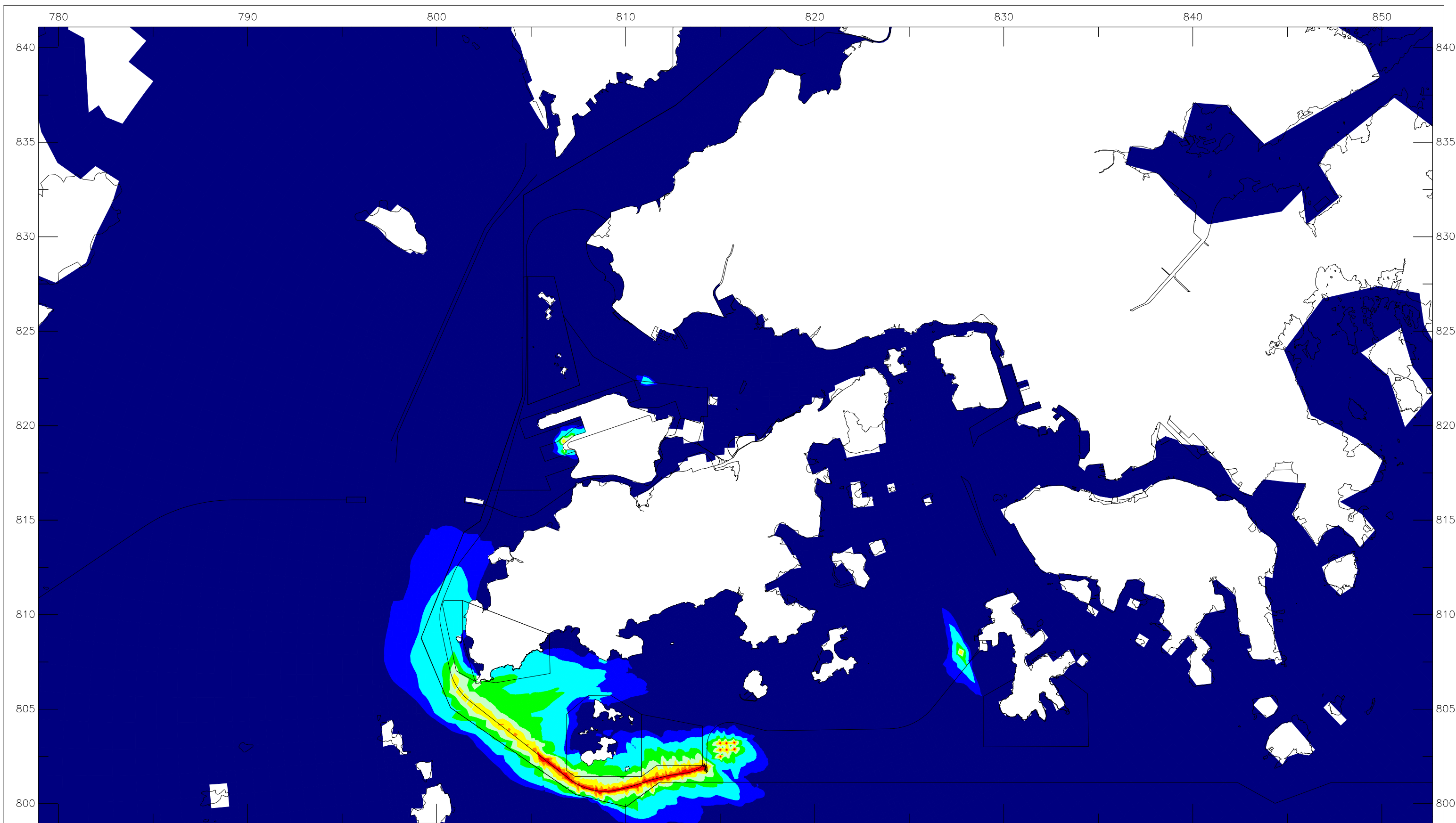
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C02	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



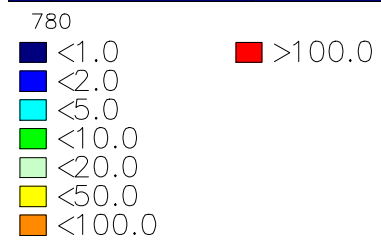
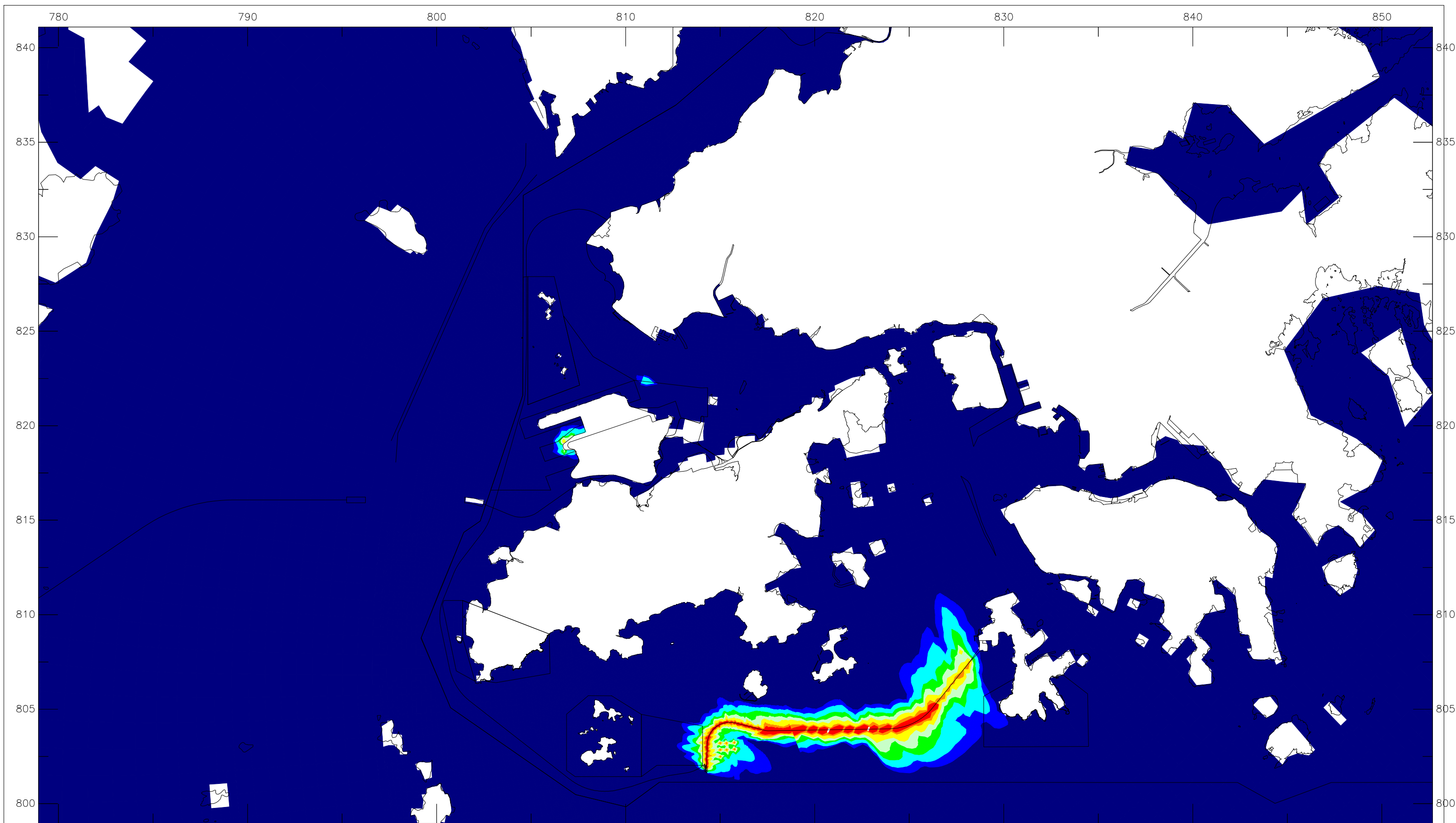
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C03	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



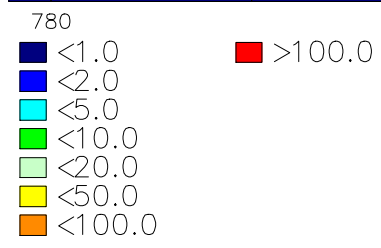
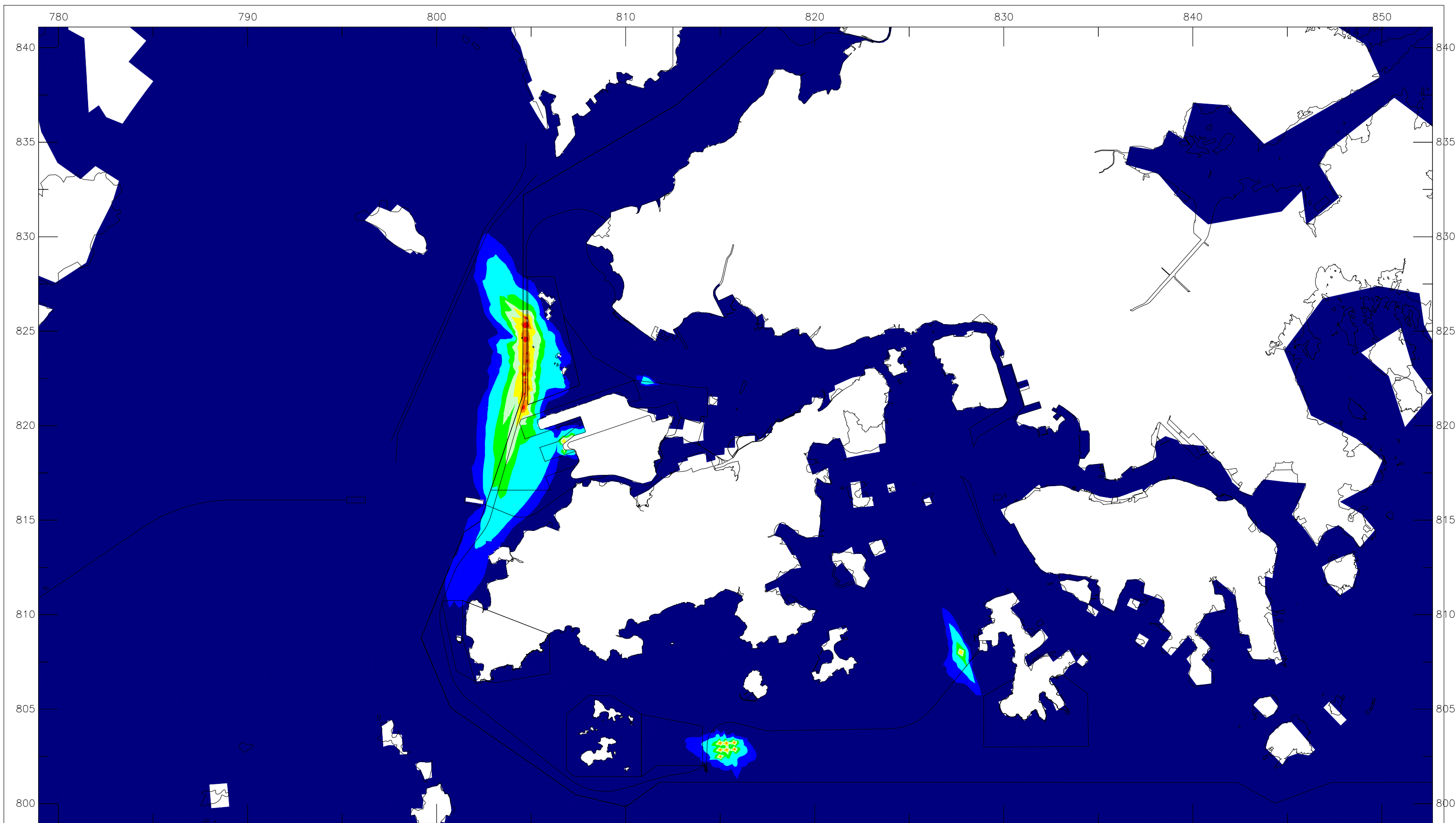
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C04	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



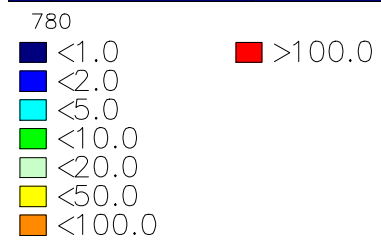
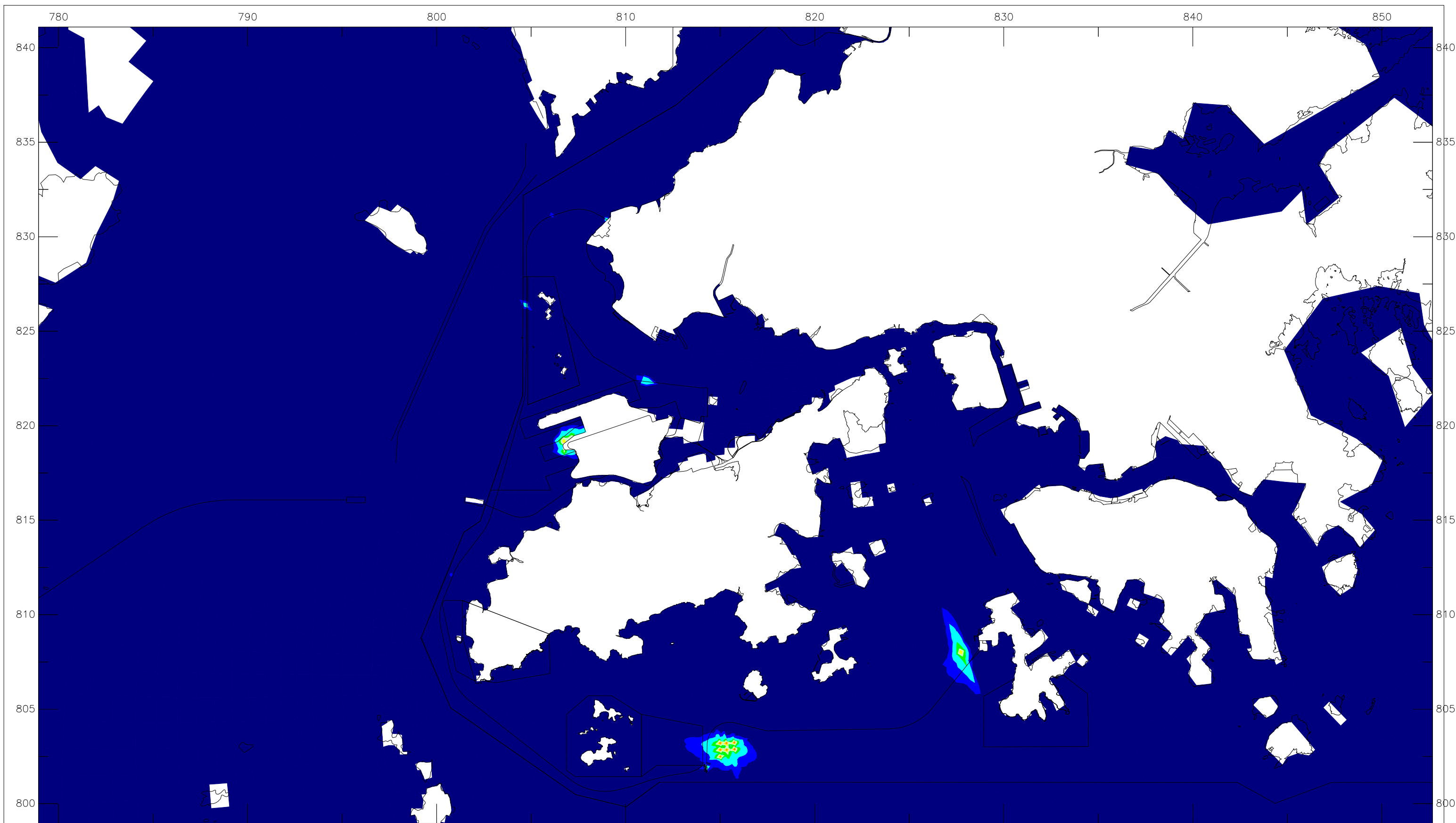
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C05	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



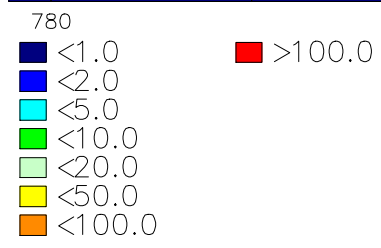
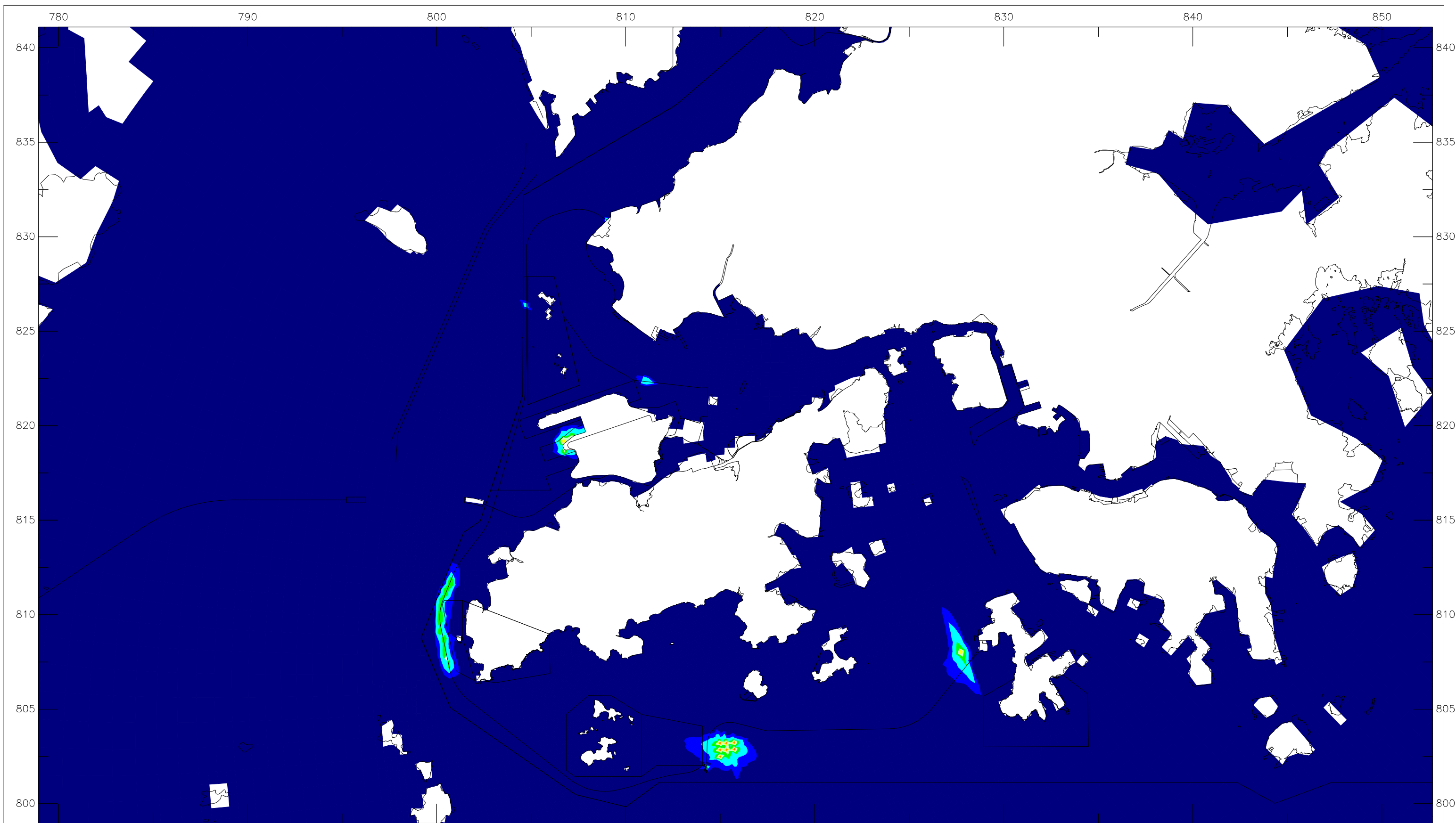
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C06	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



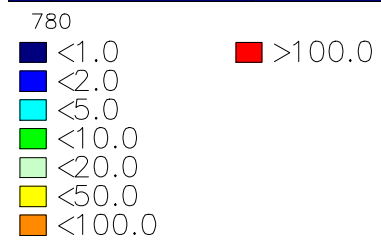
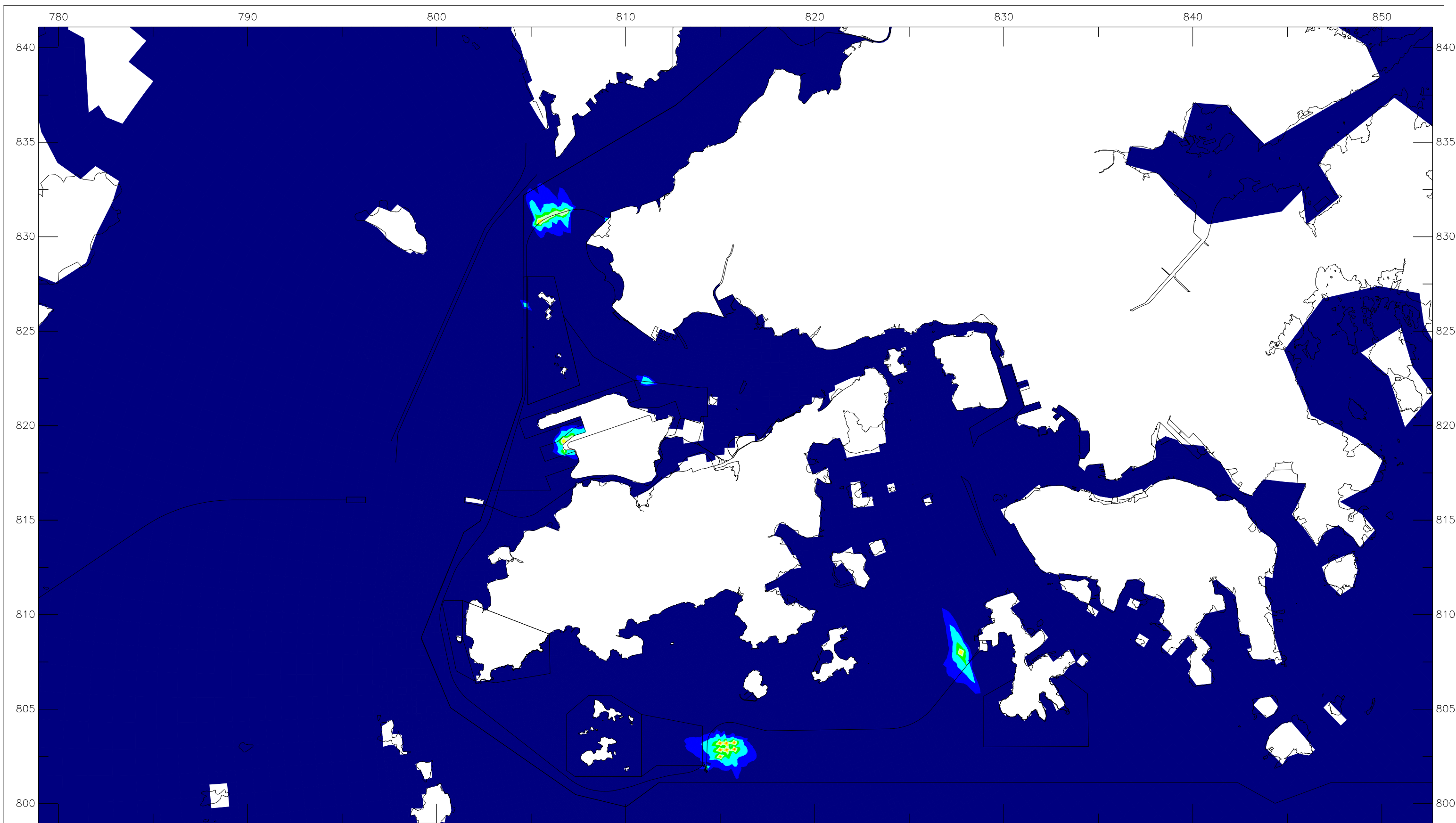
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C07		
Maximum Depth-averaged SS Elevation (mg/L)		
ERM	Annex-7C	
	Annex 7C.ssn	



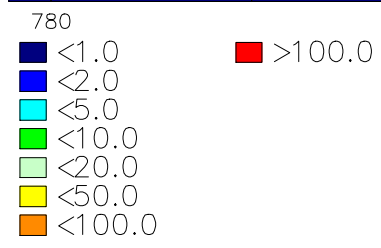
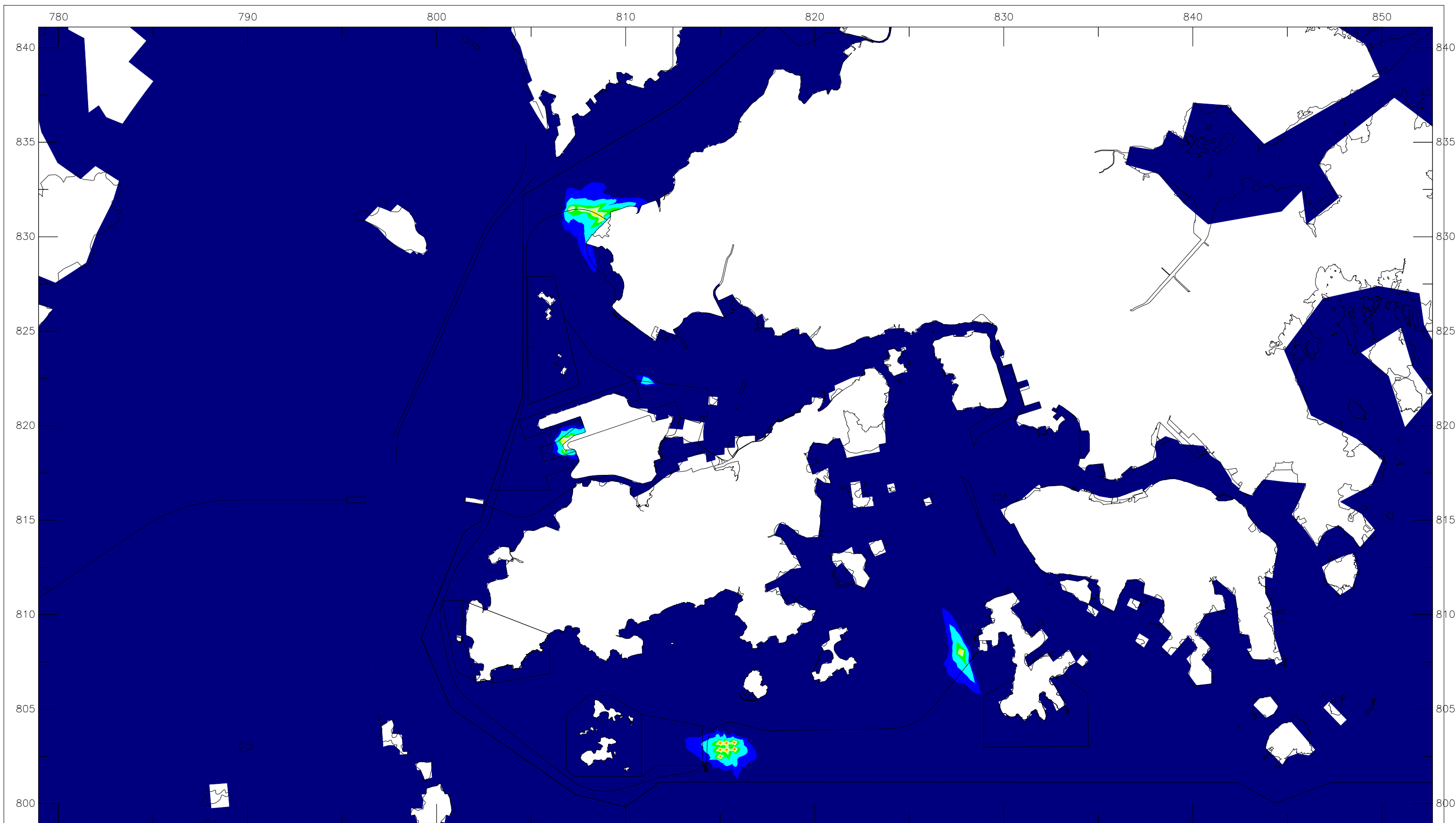
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01A - mitigated	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



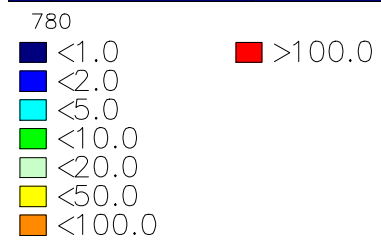
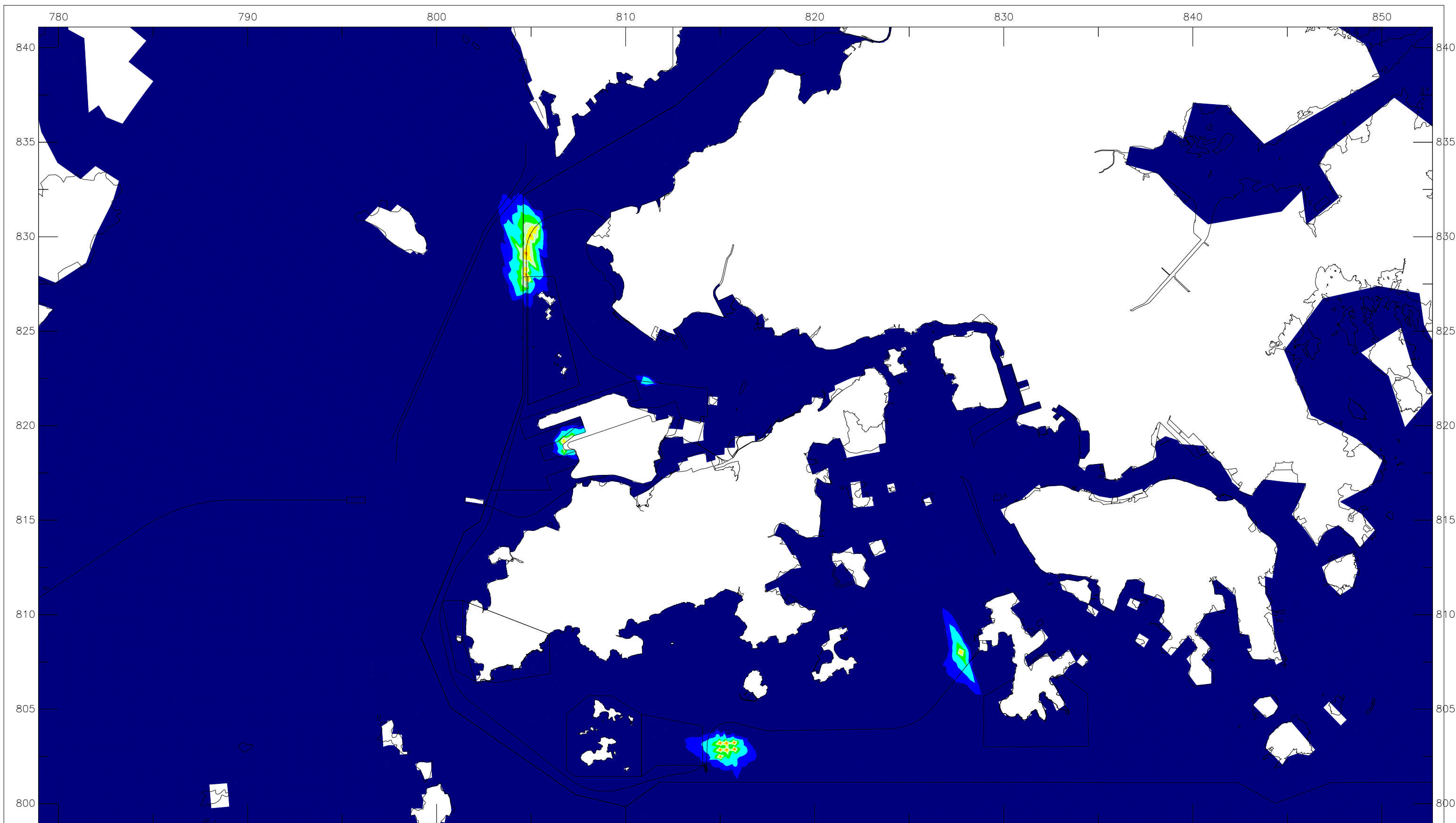
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling – Scenario C01B – mitigated		
Maximum Depth-averaged SS Elevation (mg/L)		Annex-7C
ERM		Annex 7C.ssn



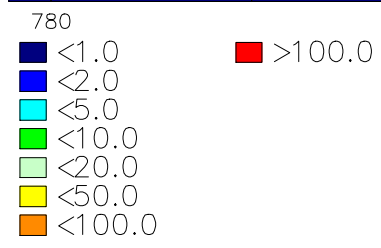
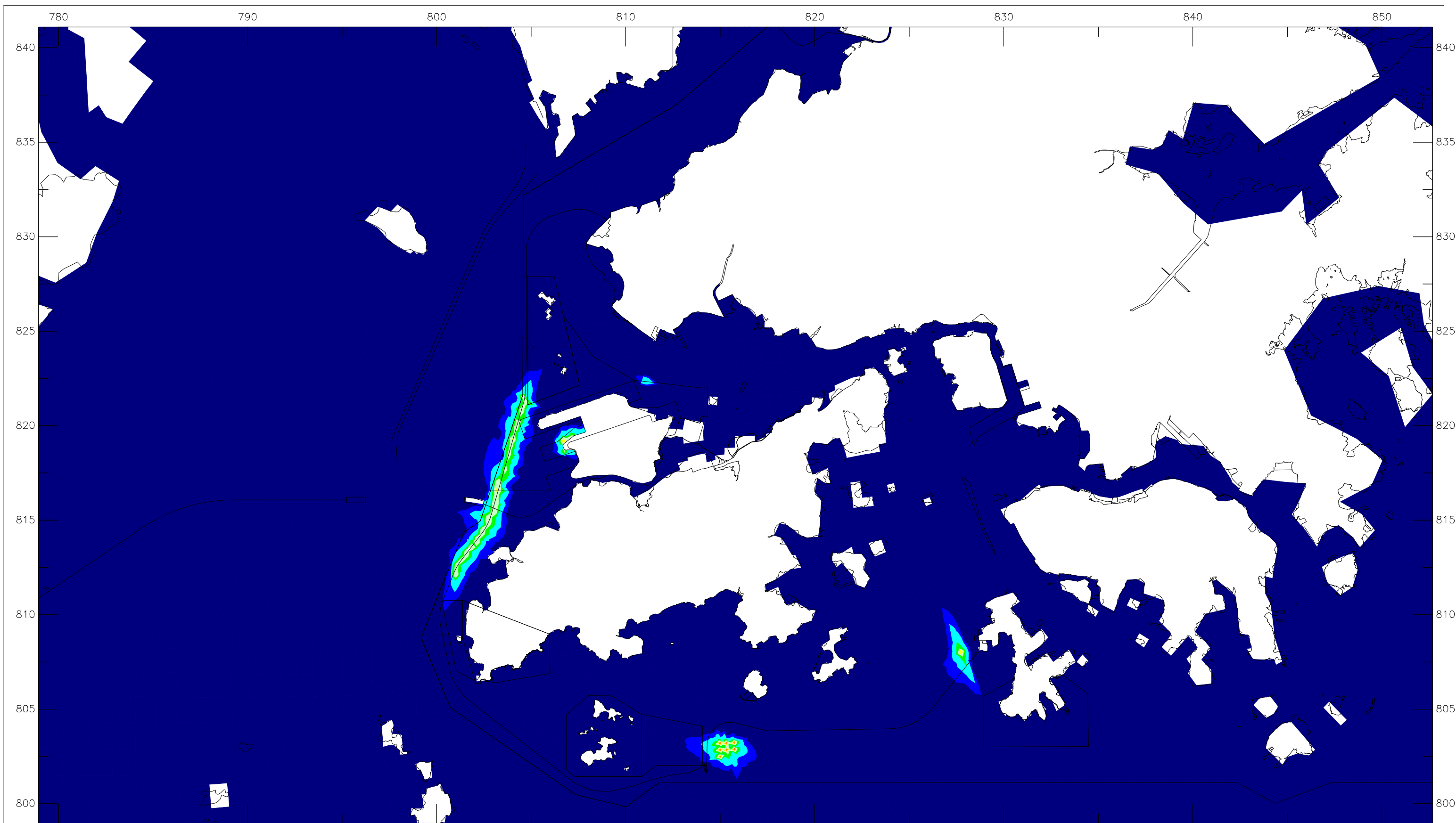
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01C - mitigated	Annex-7C
Maximum Depth-averaged SS Elevation (mg/L)	Annex 7C.ssn
ERM	



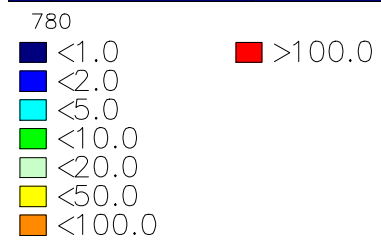
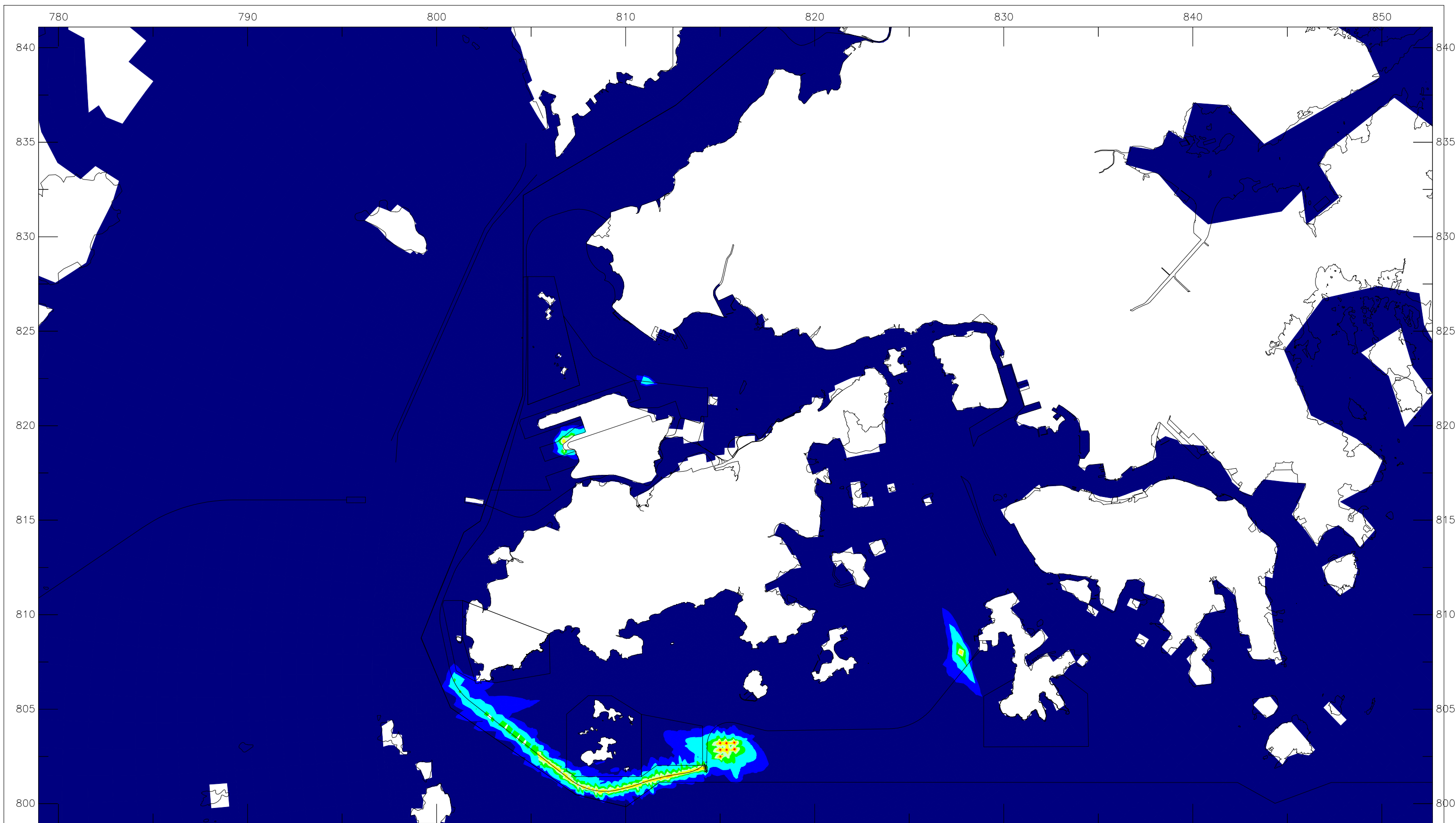
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C02 - mitigated	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



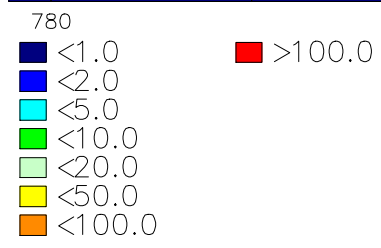
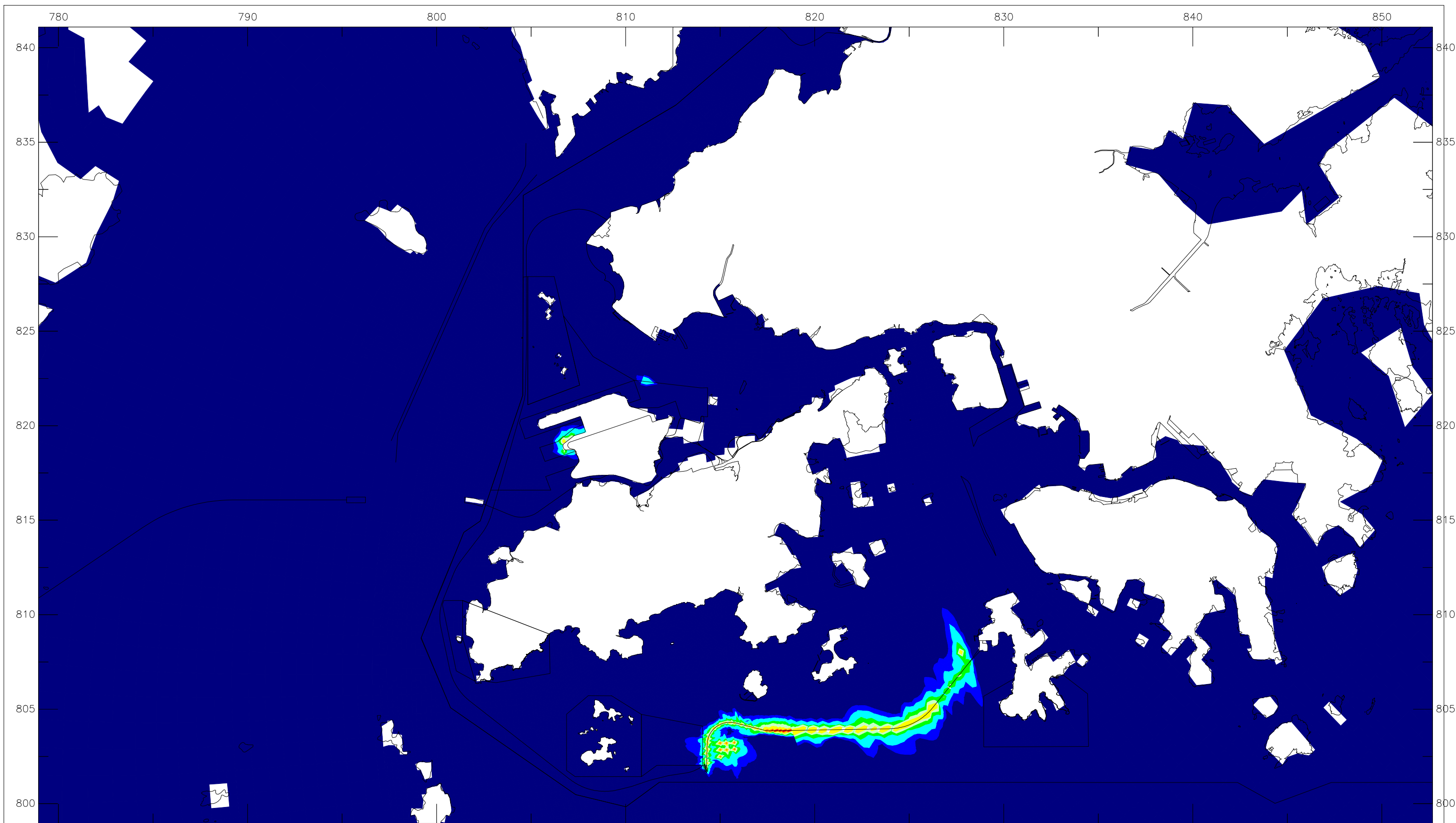
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C03 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)		Annex-7C
ERM		Annex 7C.ssn



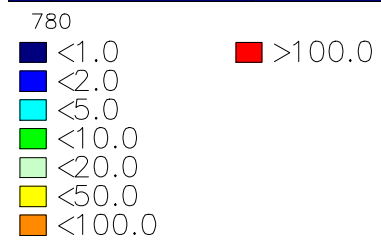
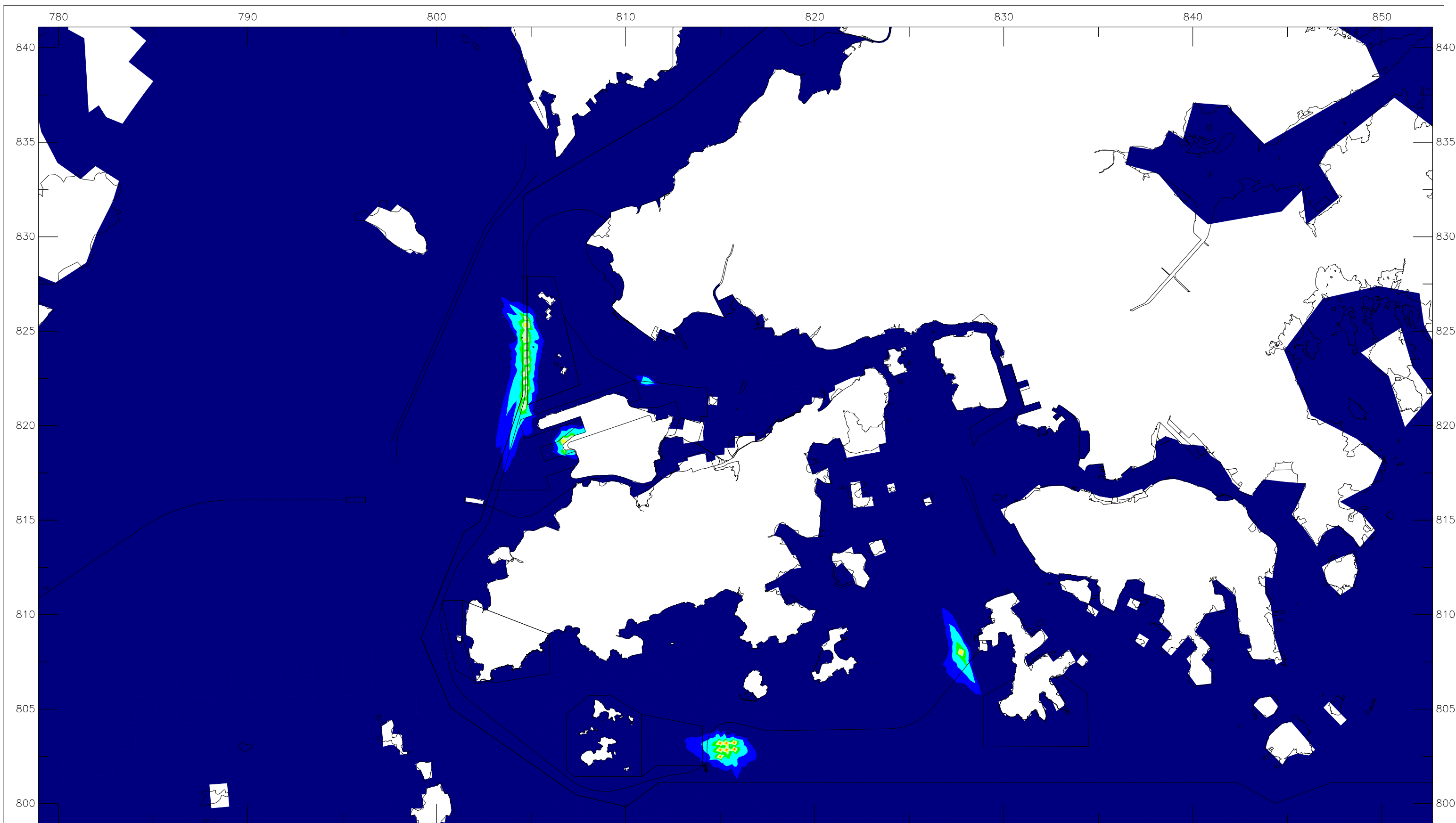
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C04 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	



Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C05 - mitigated	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



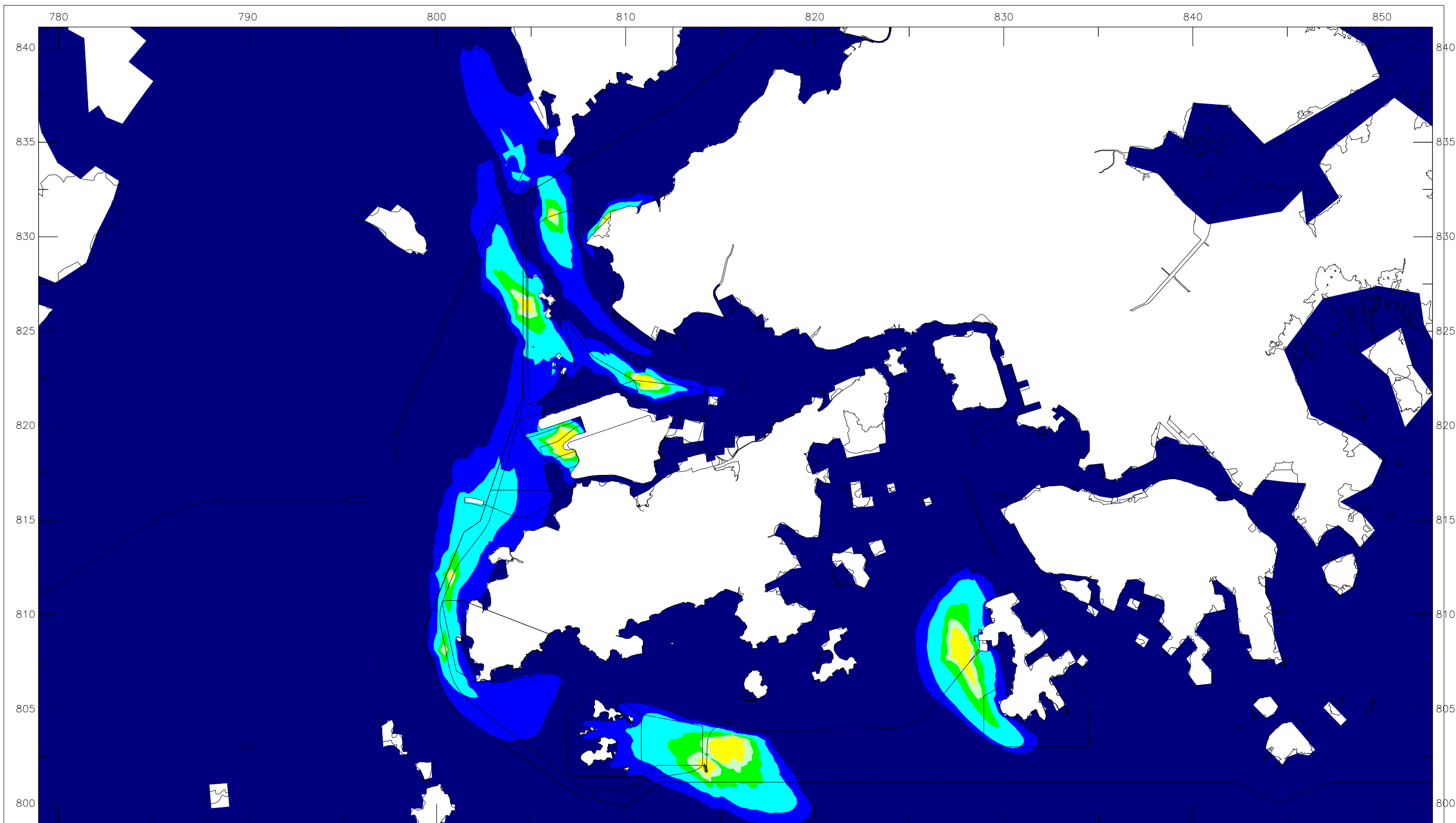
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C06 - mitigated	
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C
ERM	Annex 7C.ssn



Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C07 - mitigated		
Maximum Depth-averaged SS Elevation (mg/L)	Annex-7C	
ERM	Annex 7C.ssn	

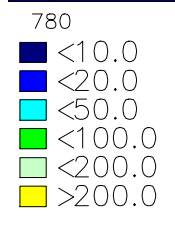
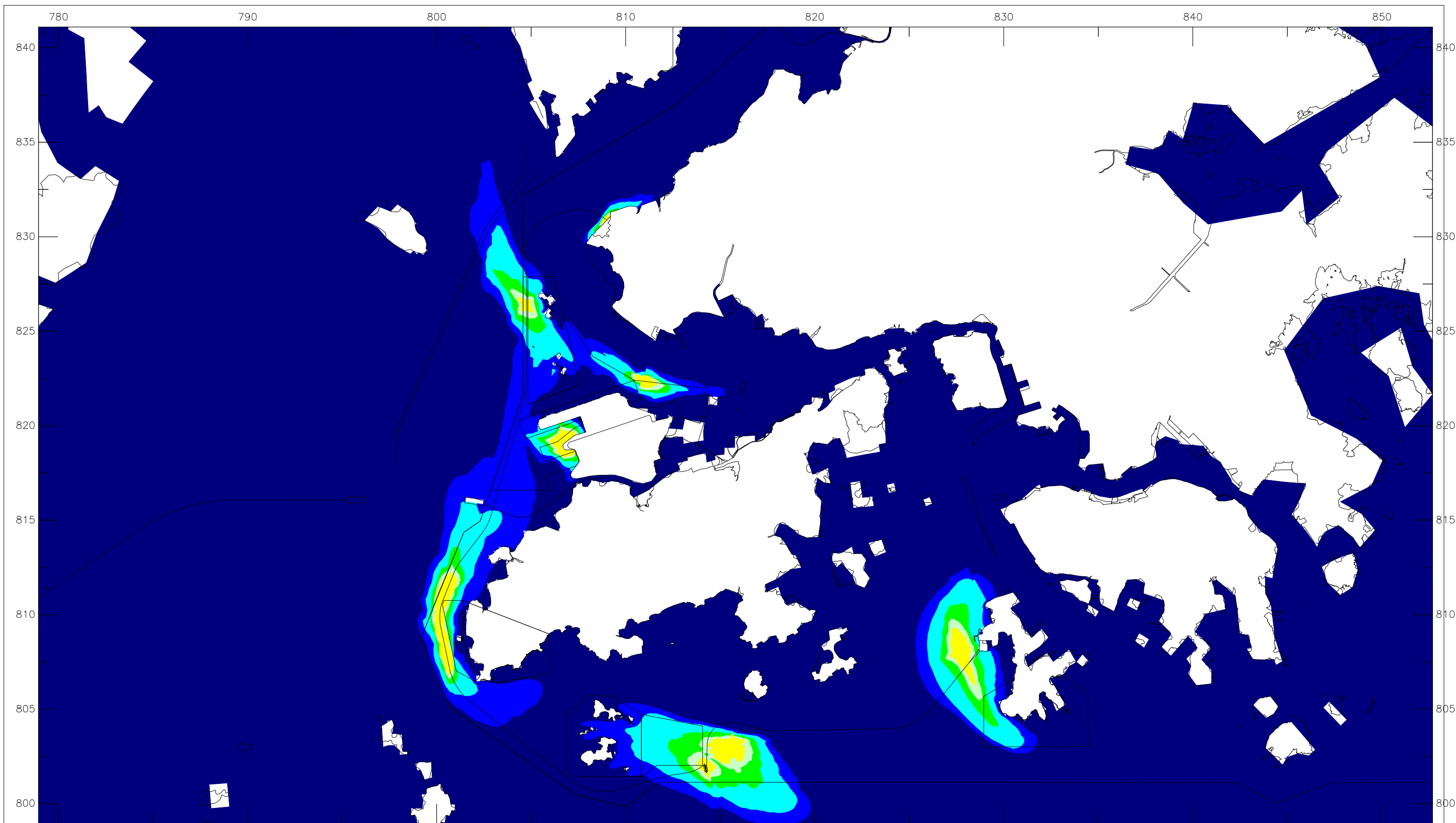
Annex 7C

Part 3 - Contour Plots for
Construction Phase
Sediment Plume Modelling
- Sedimentation Flux

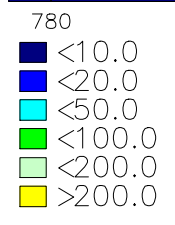
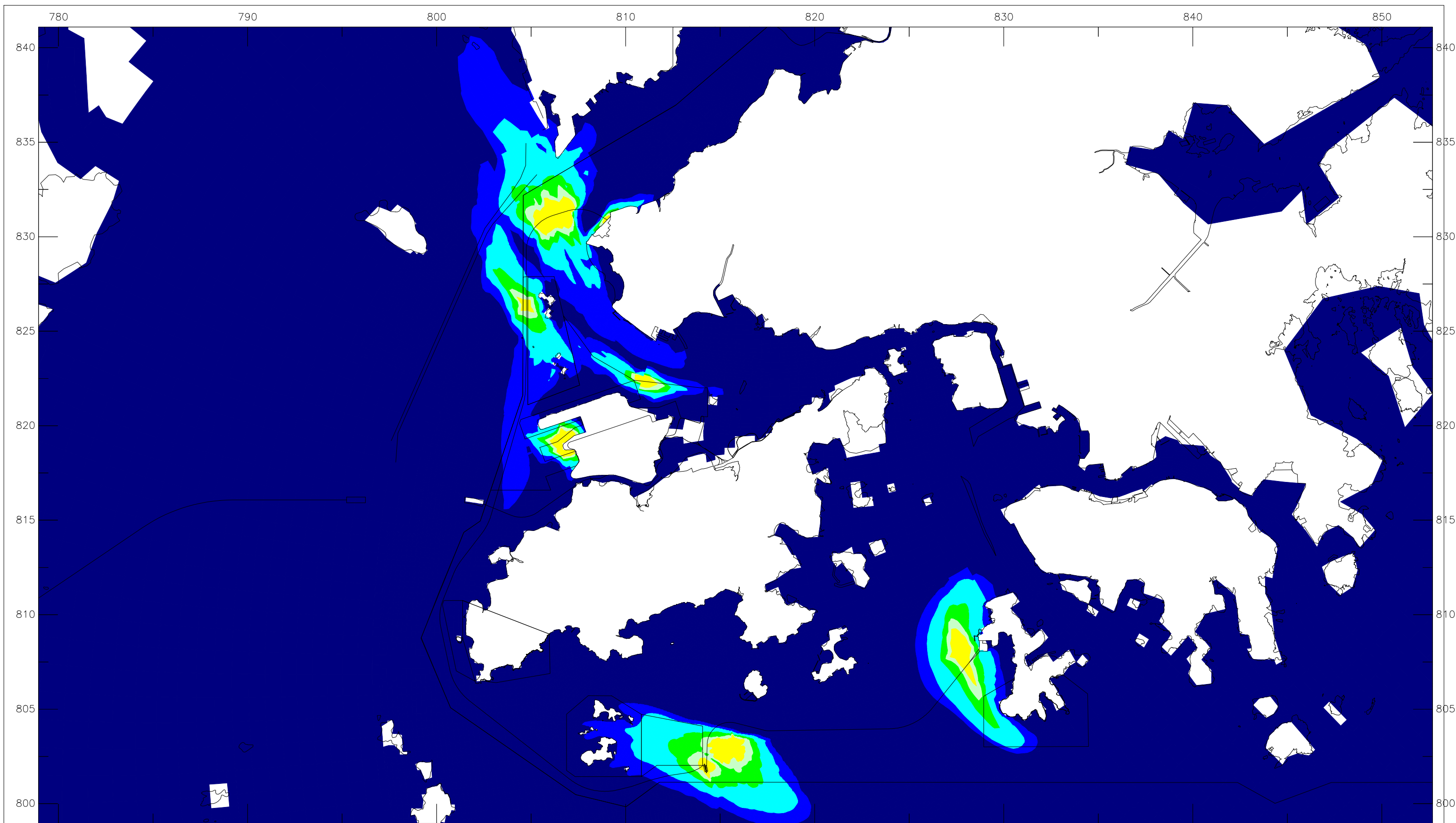


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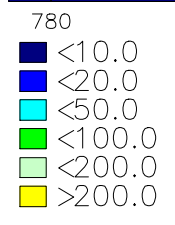
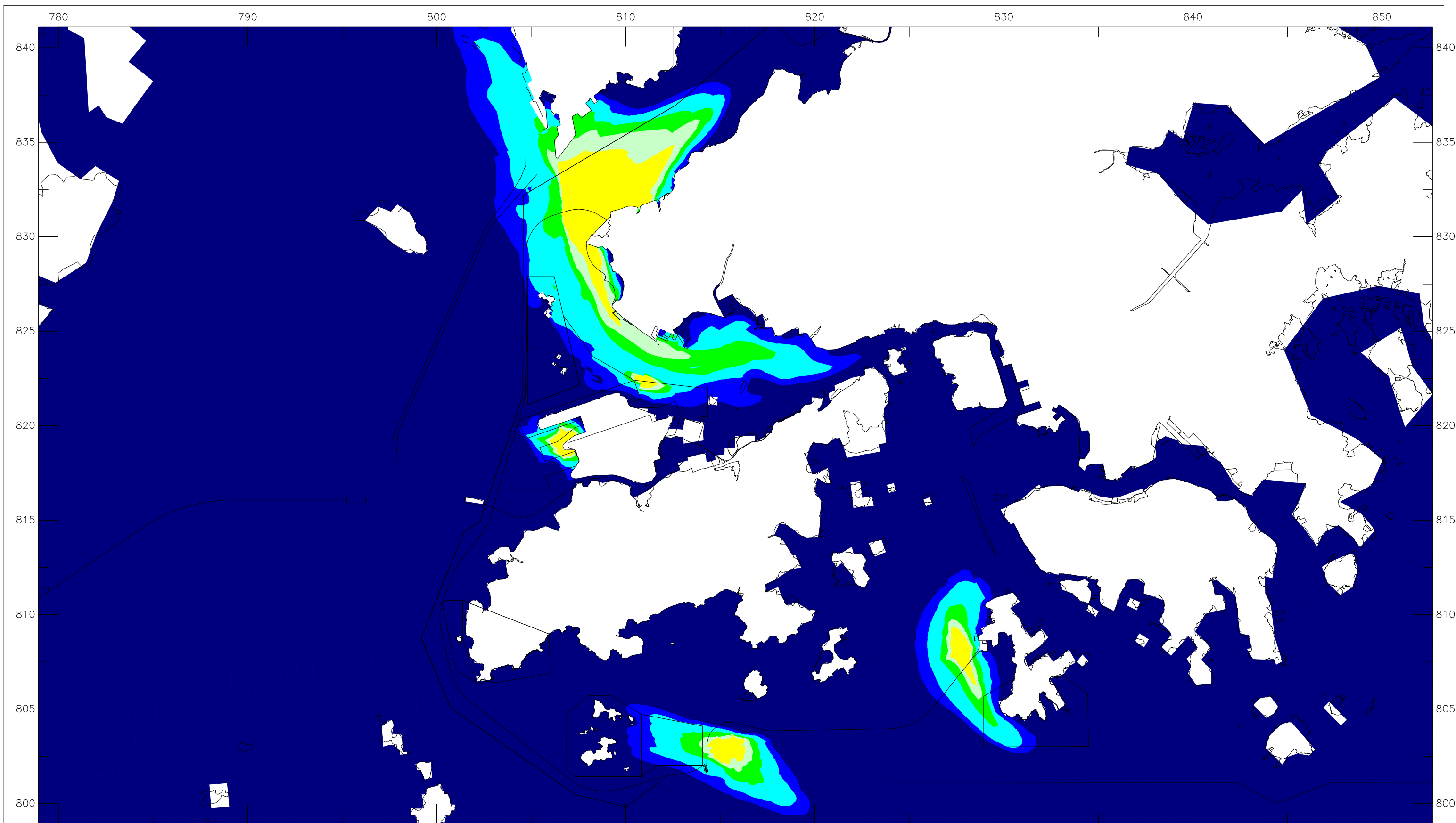
Offshore LNG Terminal EIA	Dry 2019
Construction Phase Sediment Plume Modelling - Scenario C01A	Annex-7C
Maximum Sedimentation Flux (g/m2/day)	Annex 7C.ssn
ERM	



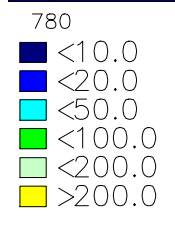
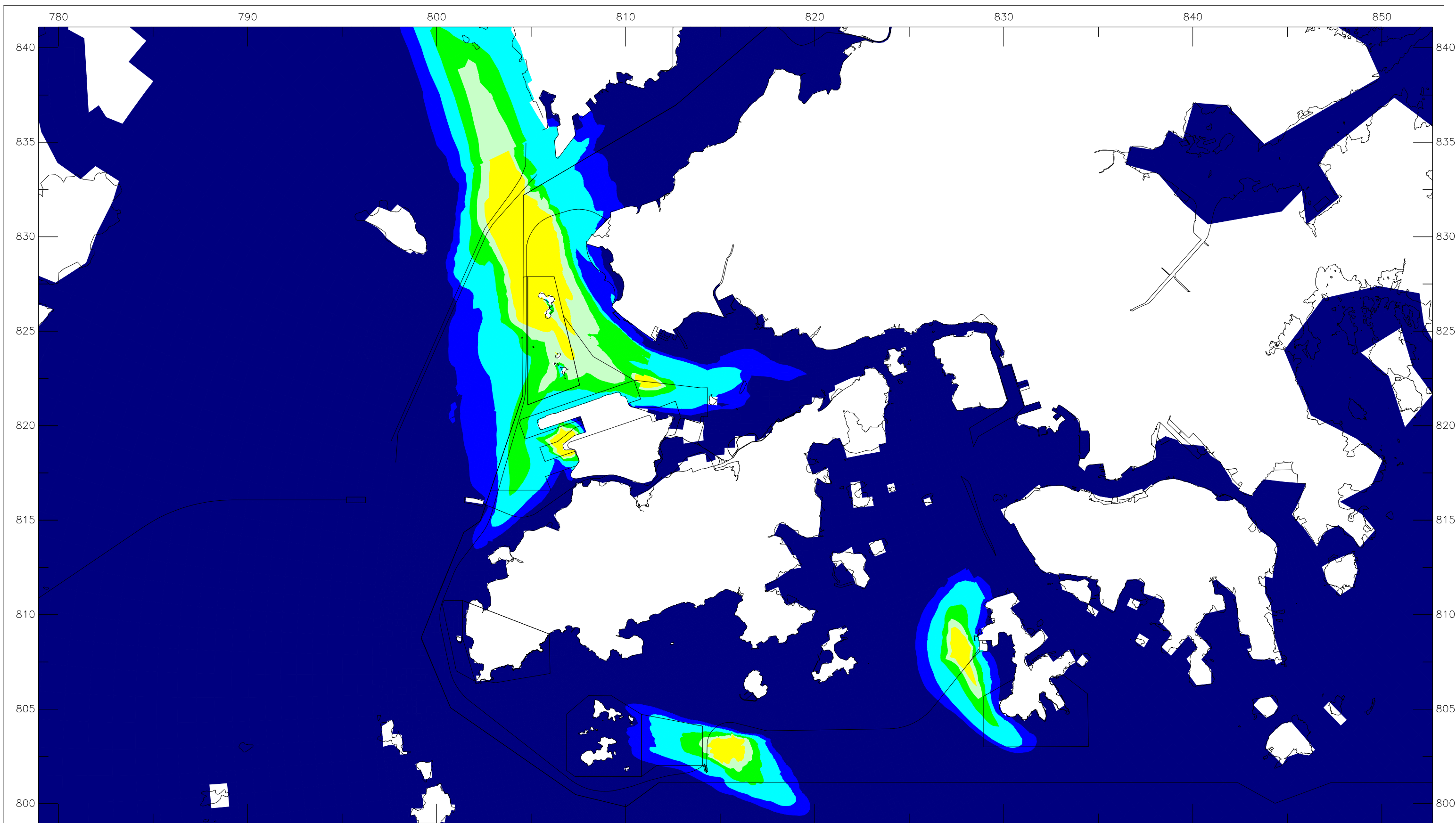
Offshore LNG Terminal EIA	Dry 2019
Construction Phase Sediment Plume Modelling - Scenario C01B	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



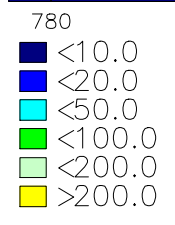
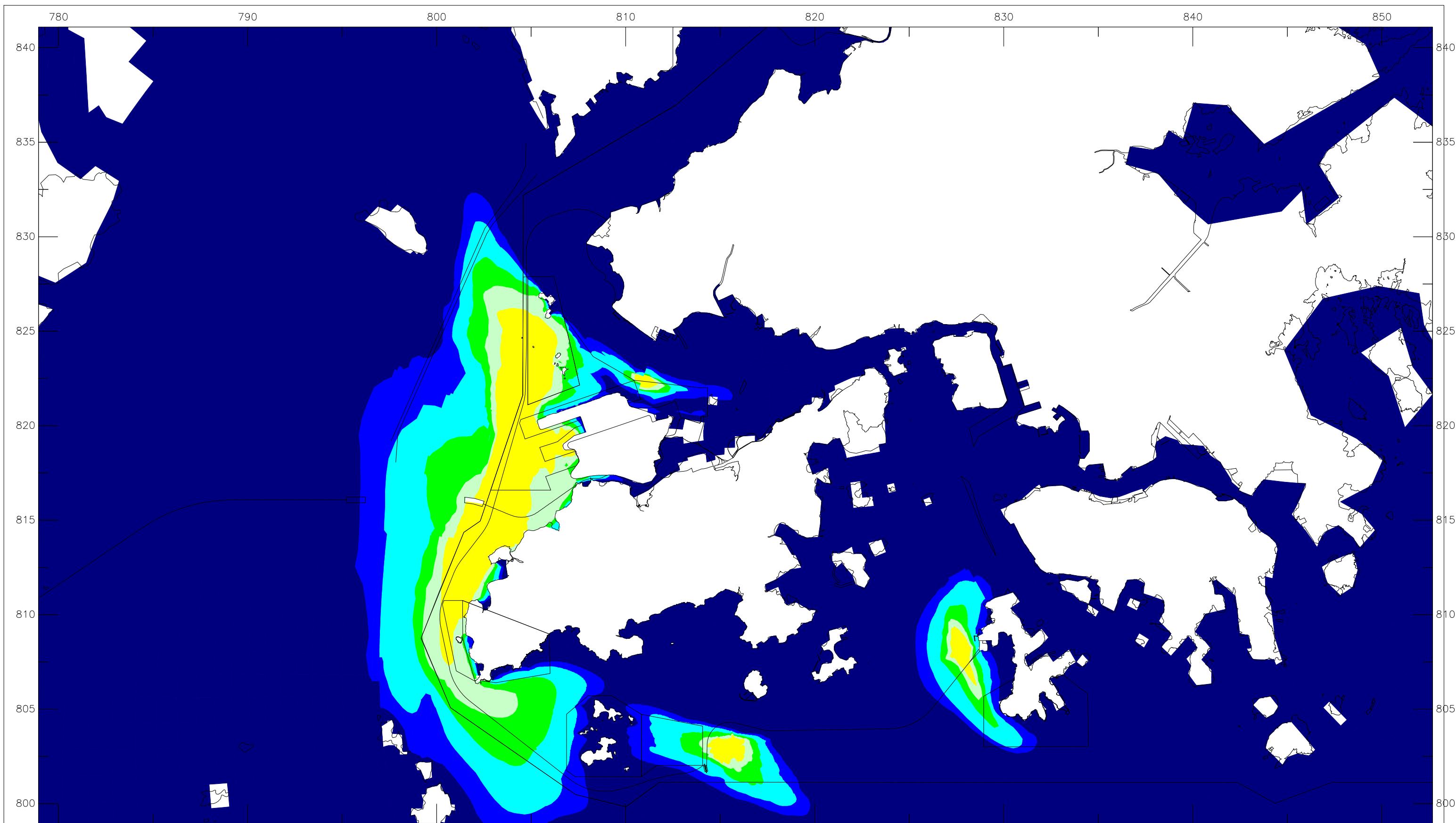
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01C		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



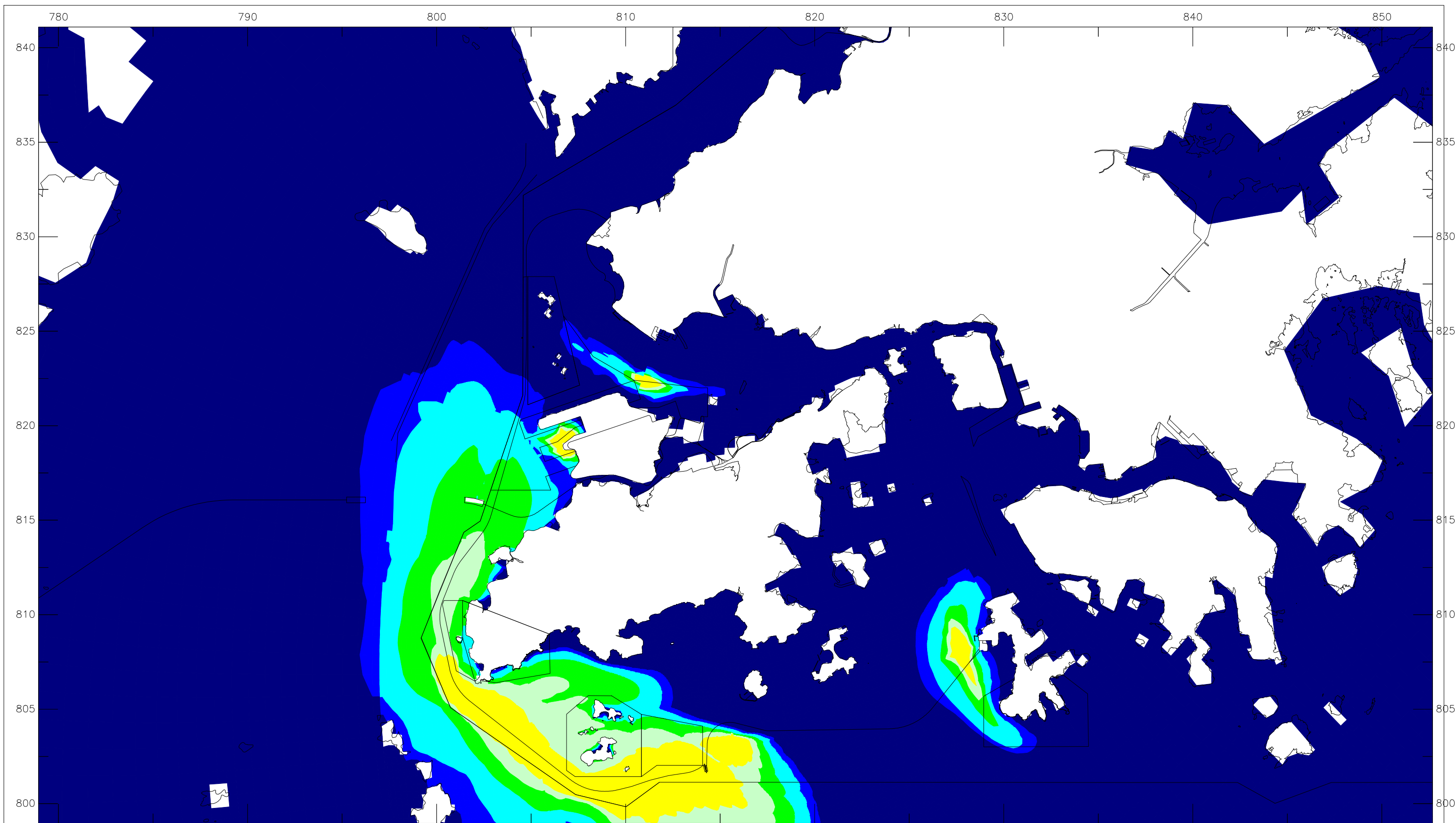
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C02		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



Offshore LNG Terminal EIA	Dry 2019
Construction Phase Sediment Plume Modelling - Scenario C03	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn

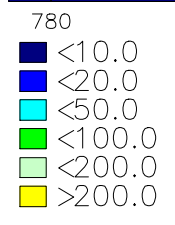
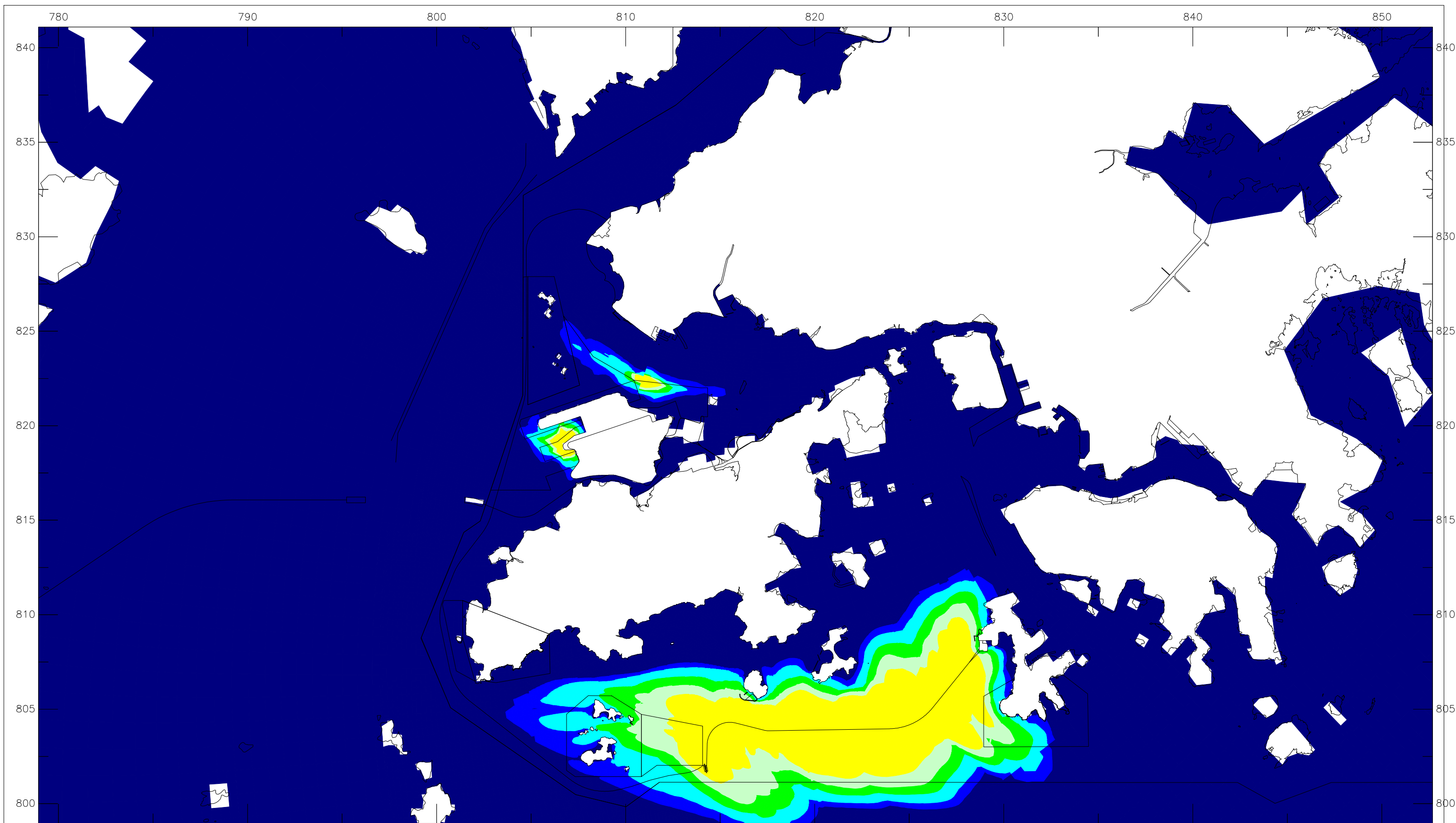


Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C04		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	

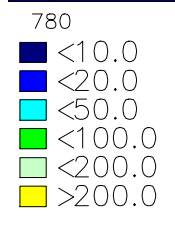
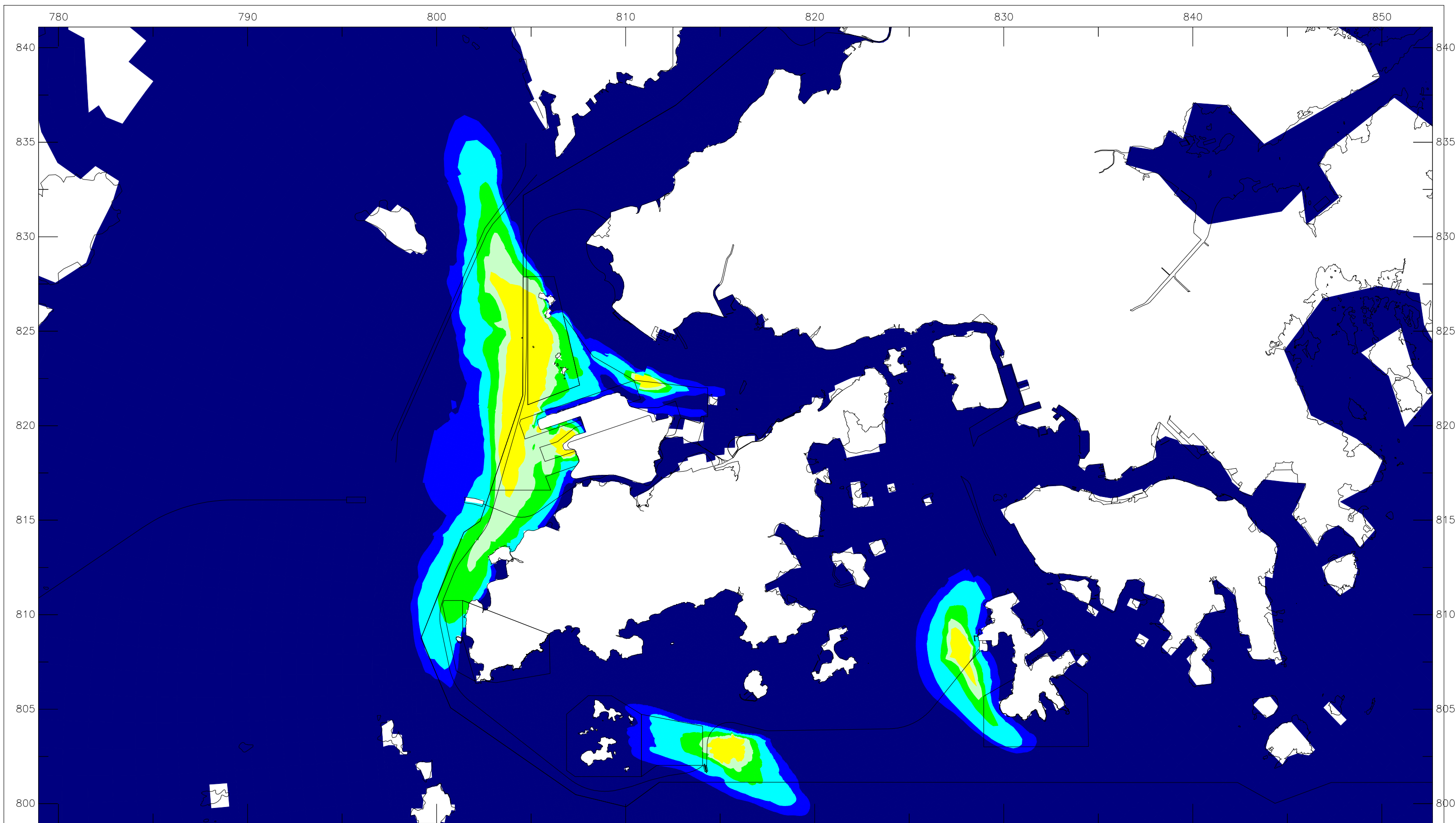


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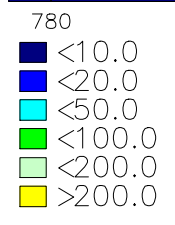
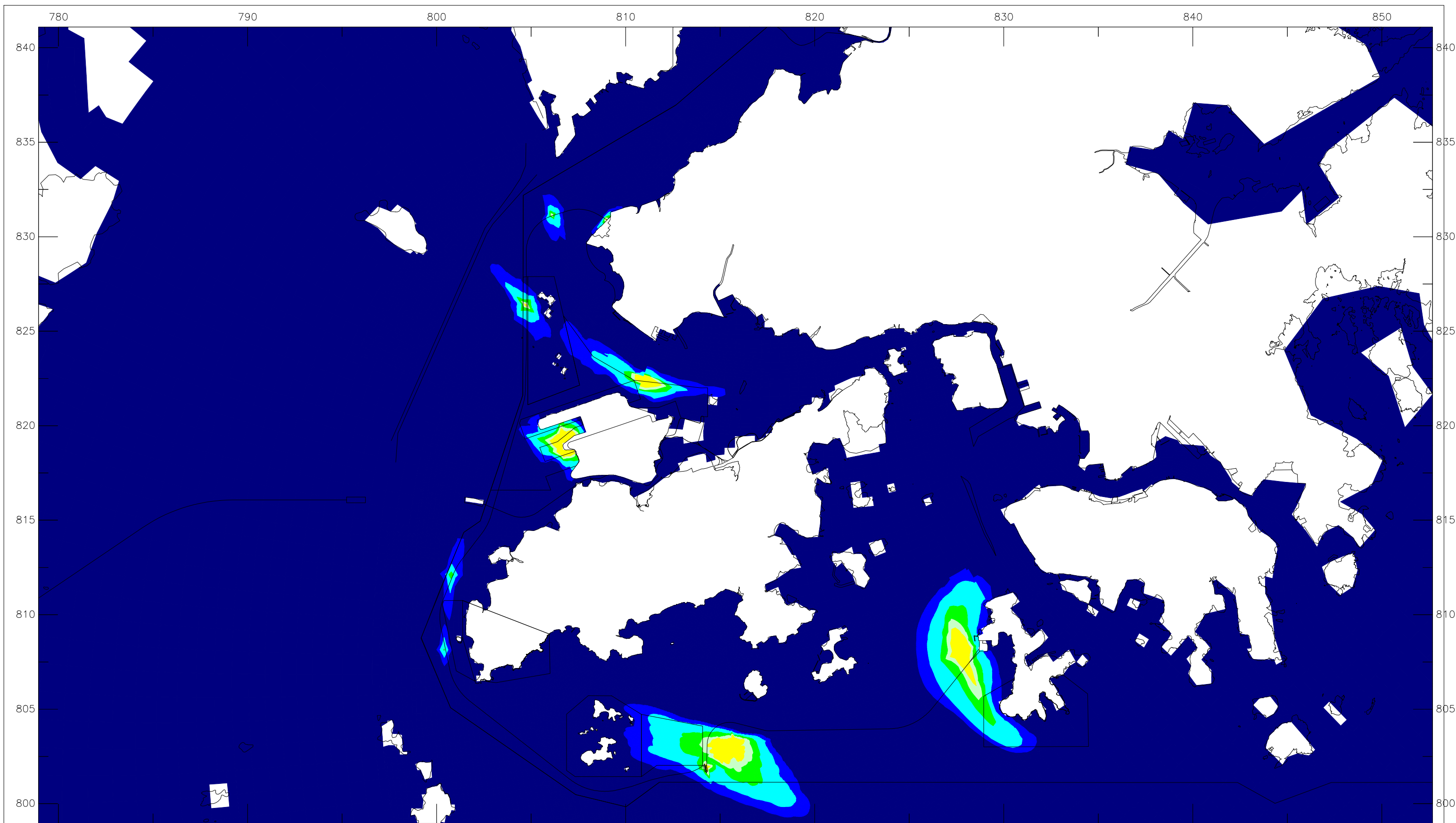
Offshore LNG Terminal EIA	Dry 2019
Construction Phase Sediment Plume Modelling - Scenario C05	Annex-7C
Maximum Sedimentation Flux (g/m2/day)	Annex 7C.ssn
ERM	



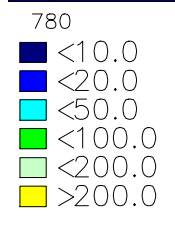
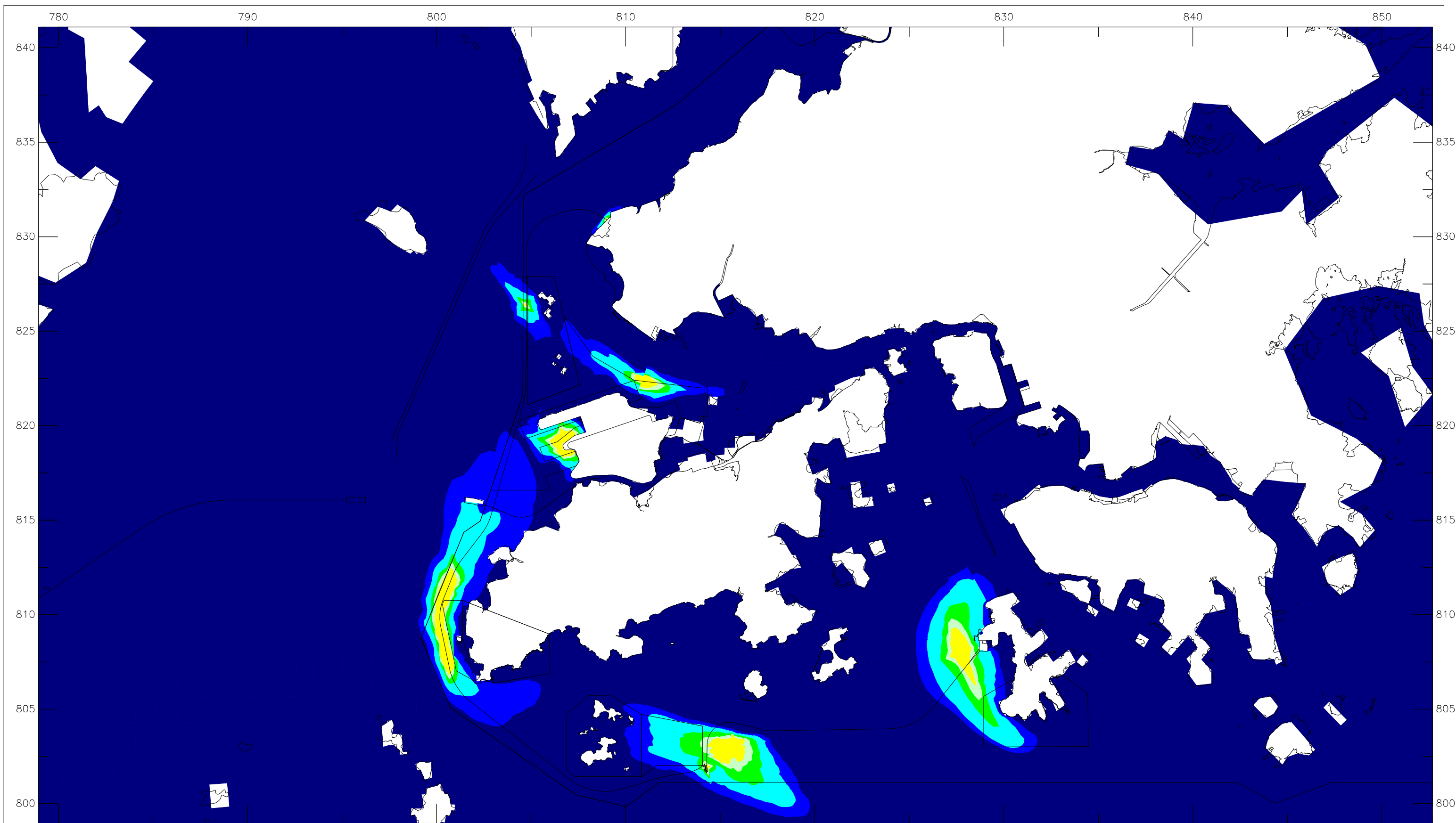
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C06		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



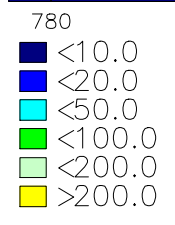
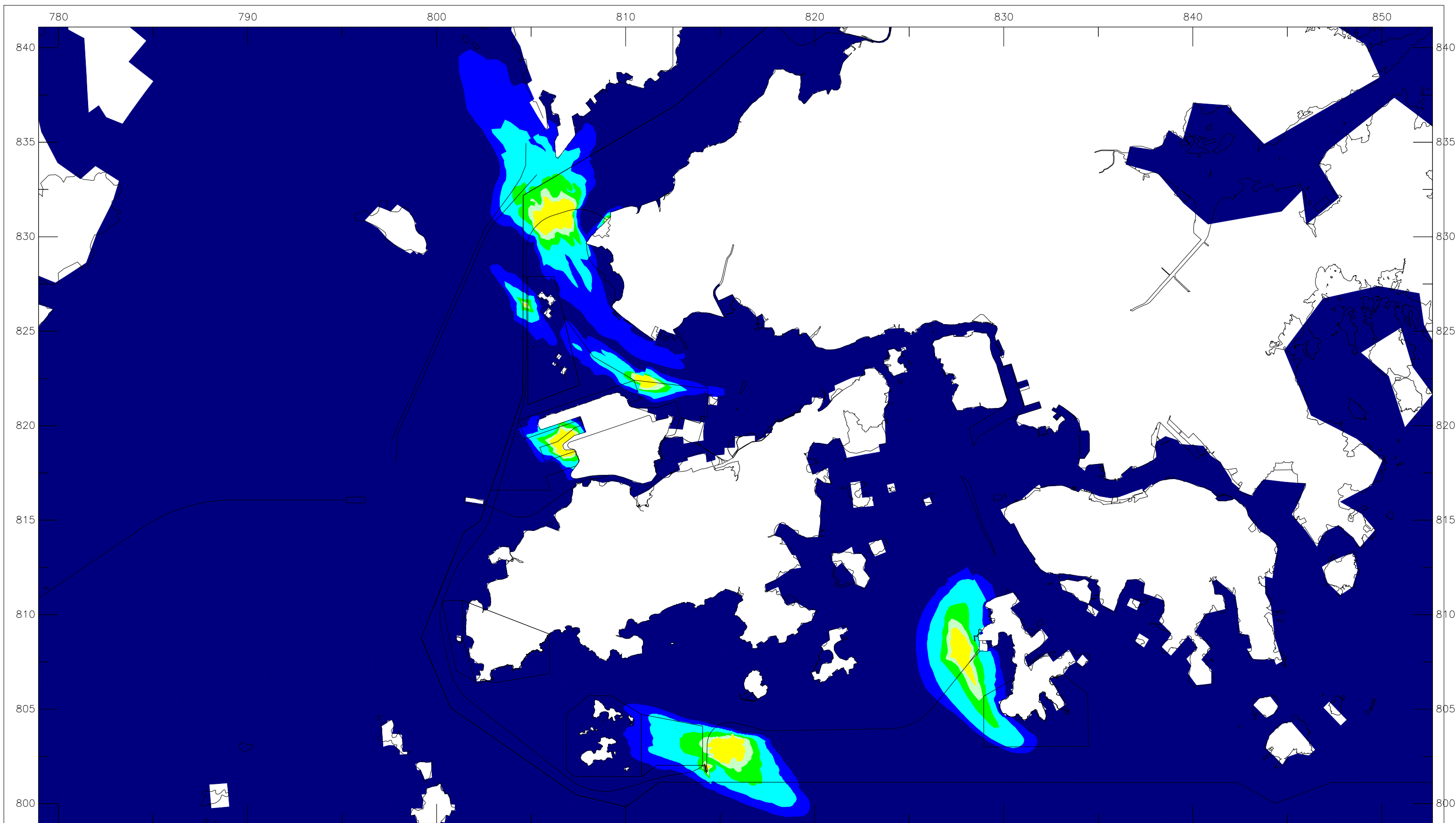
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C07		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



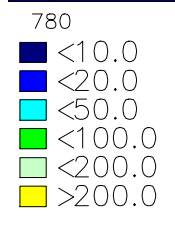
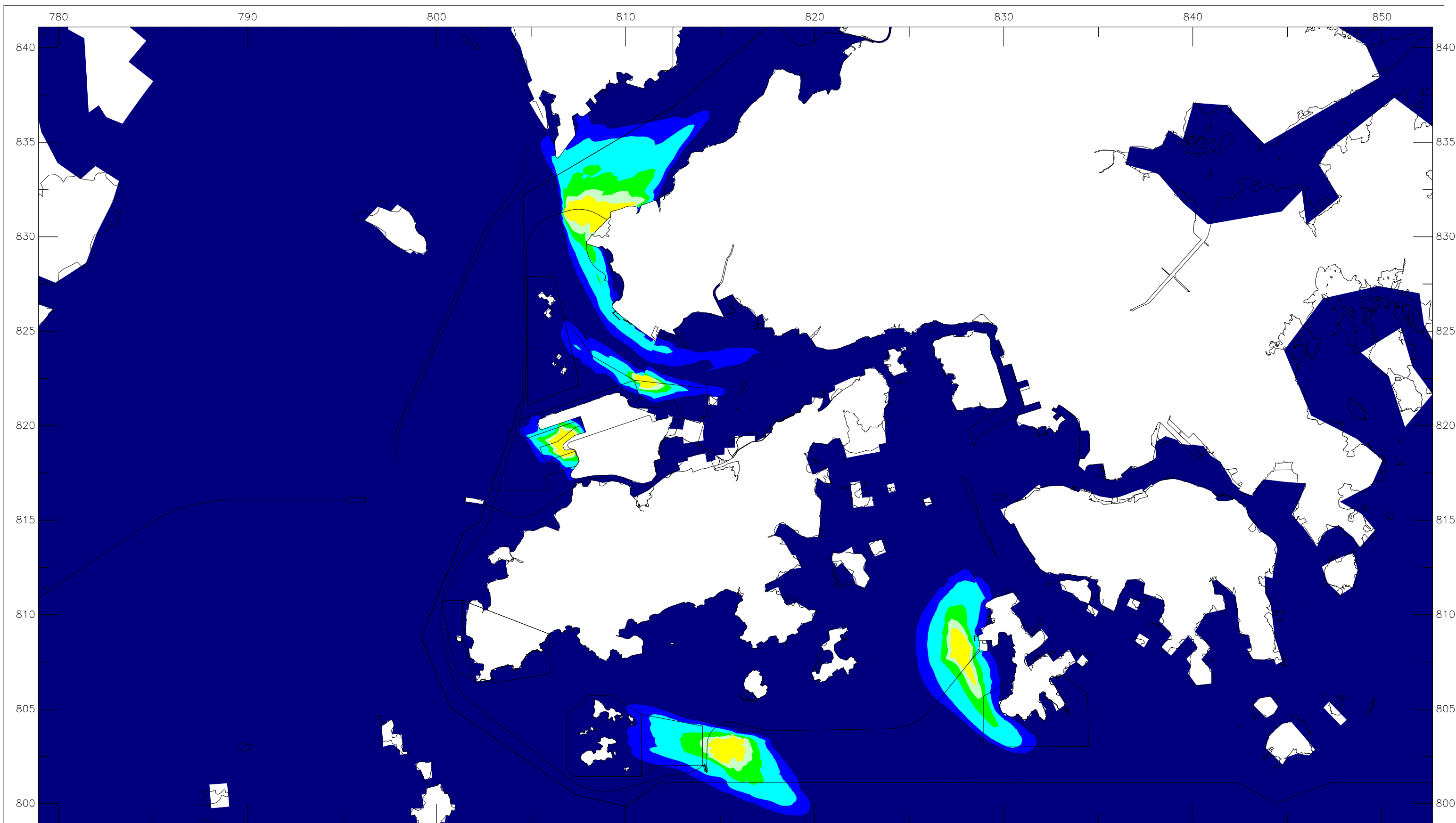
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01A - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



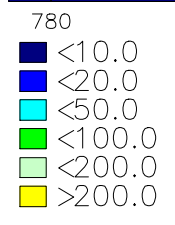
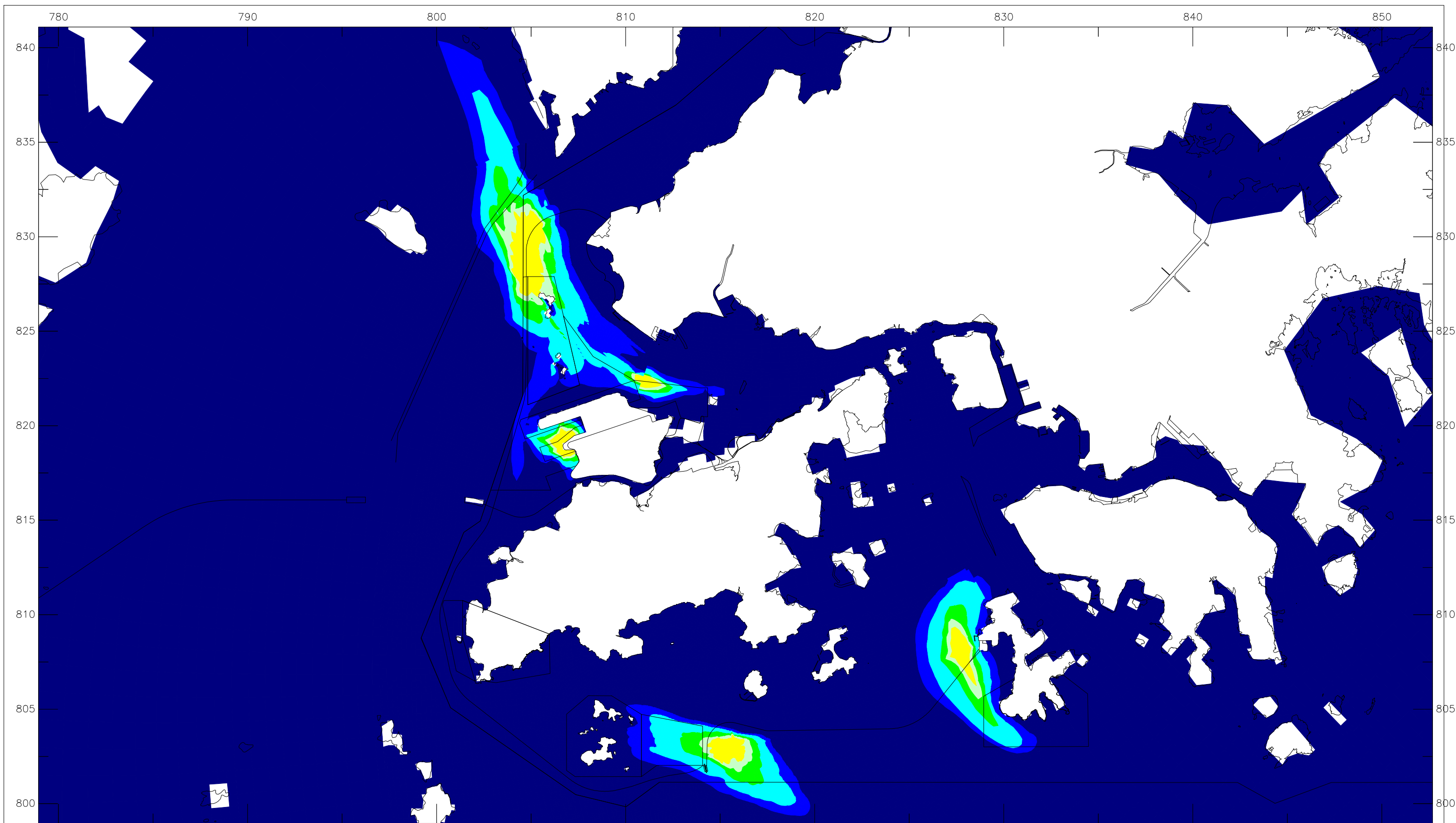
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01B - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



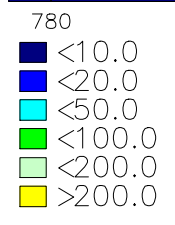
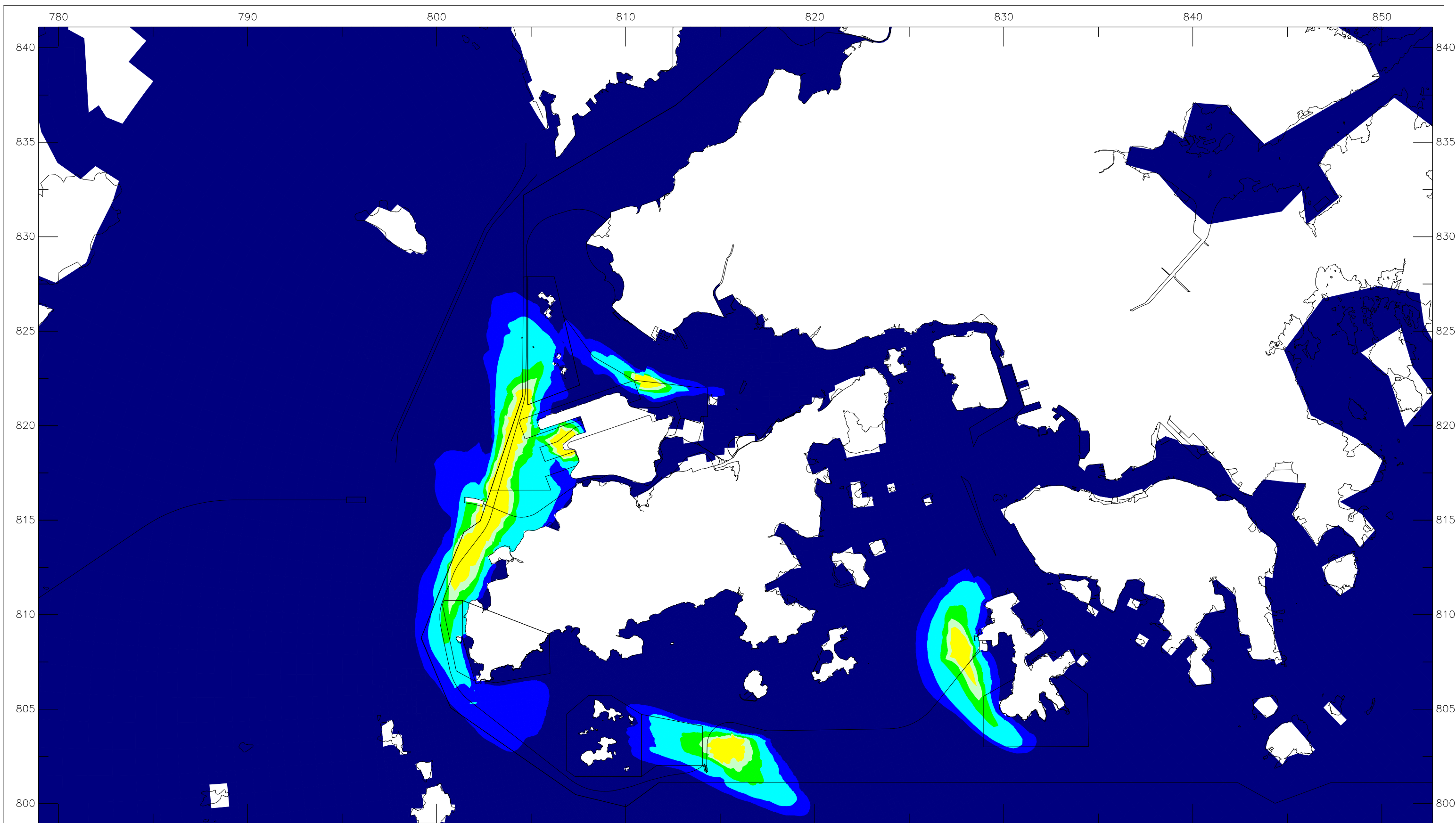
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C01C - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



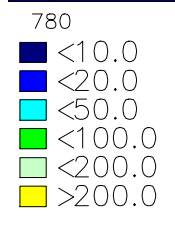
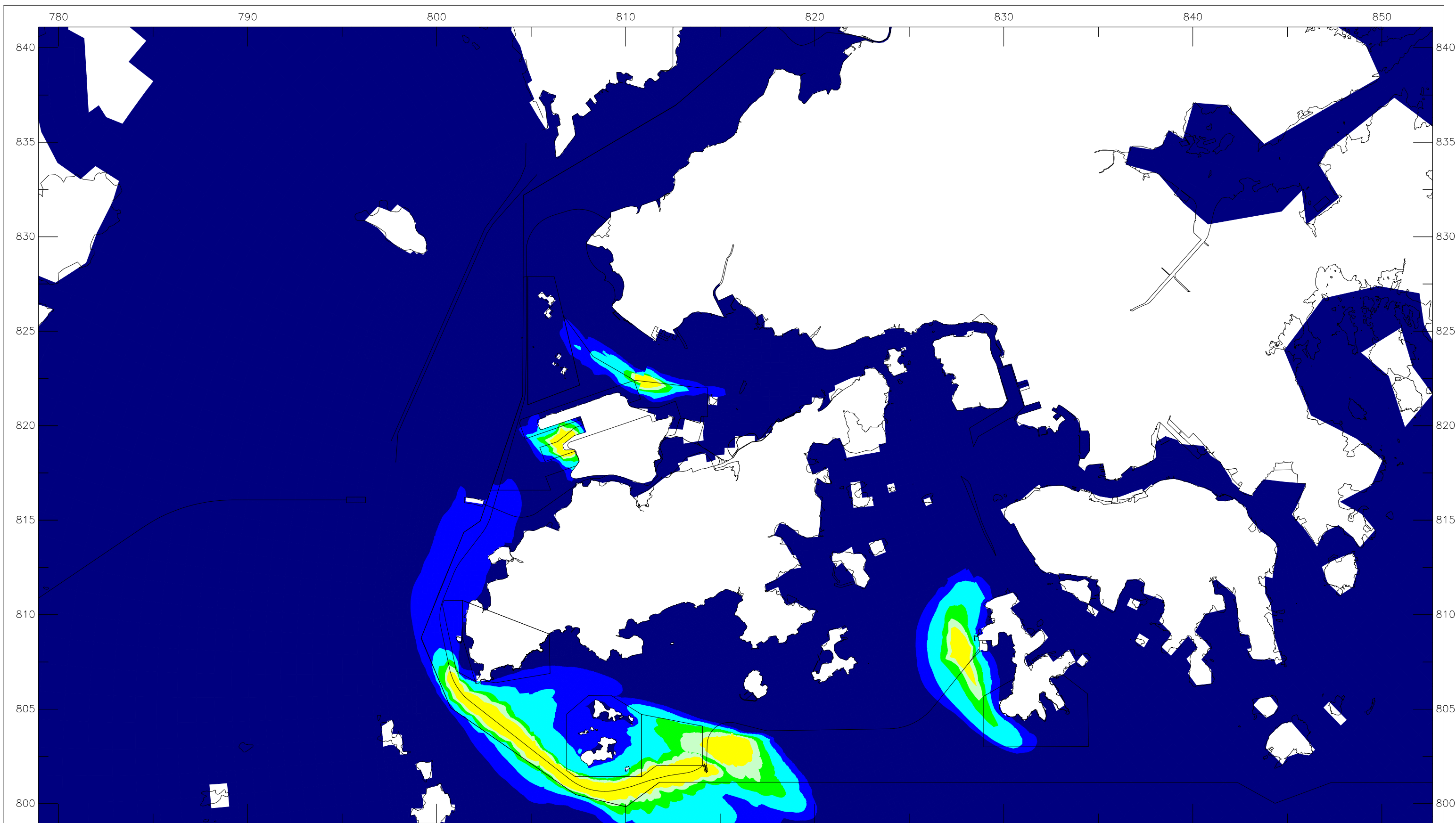
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C02 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



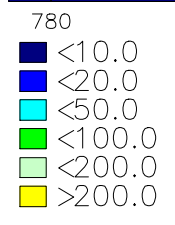
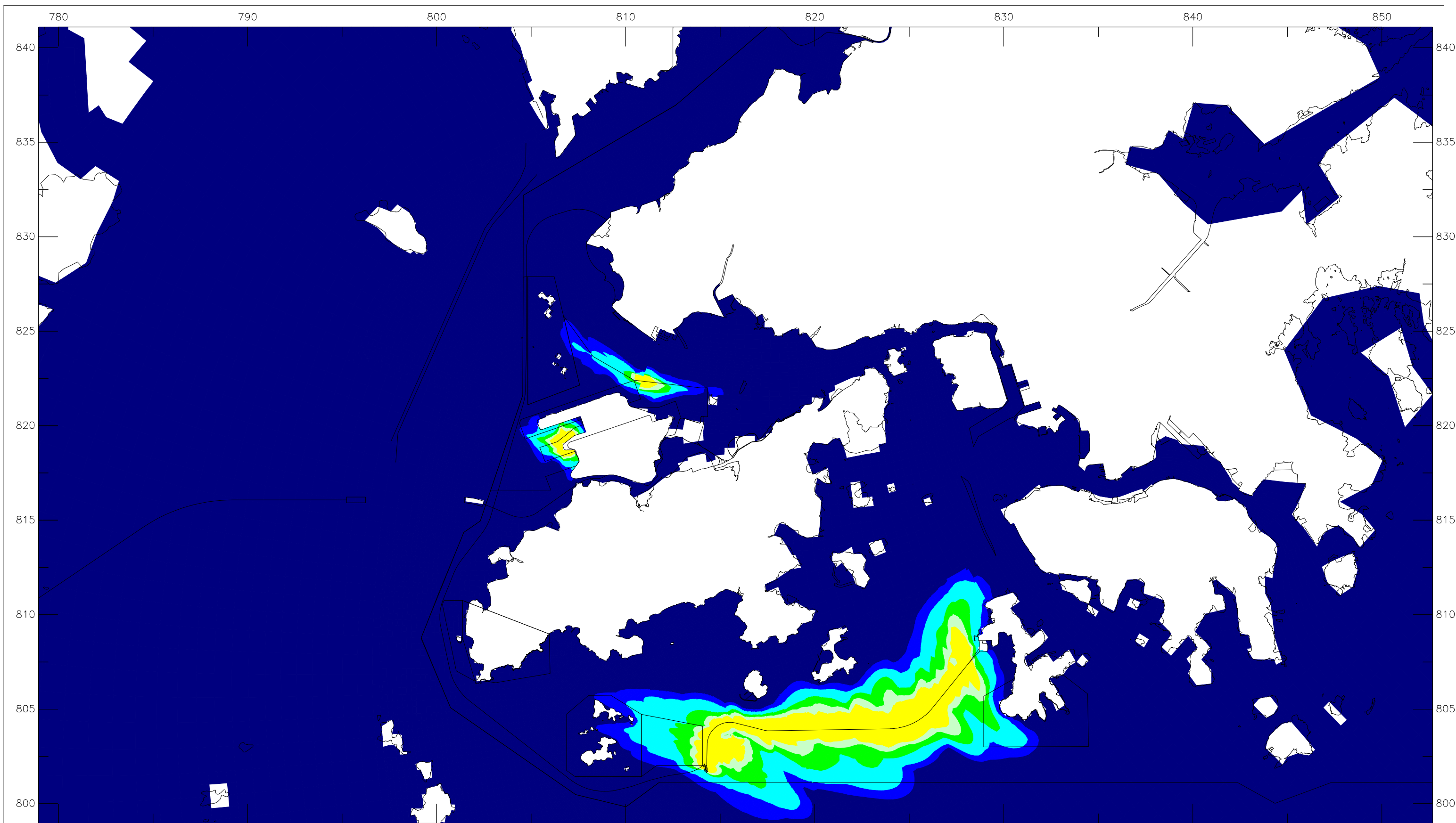
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C03 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



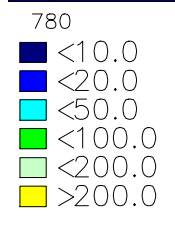
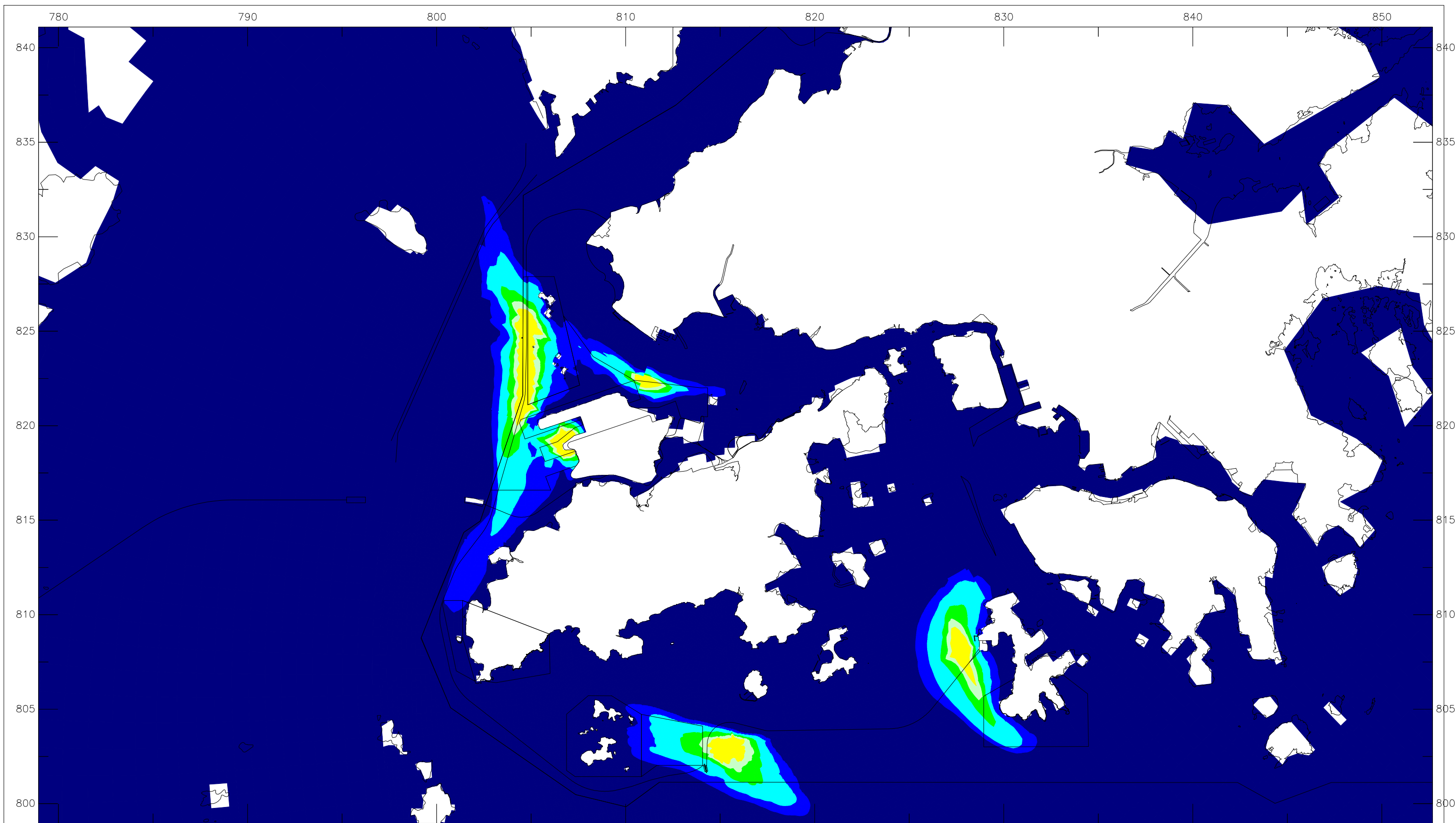
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C04 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



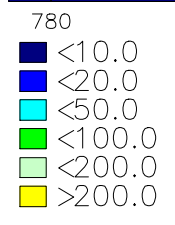
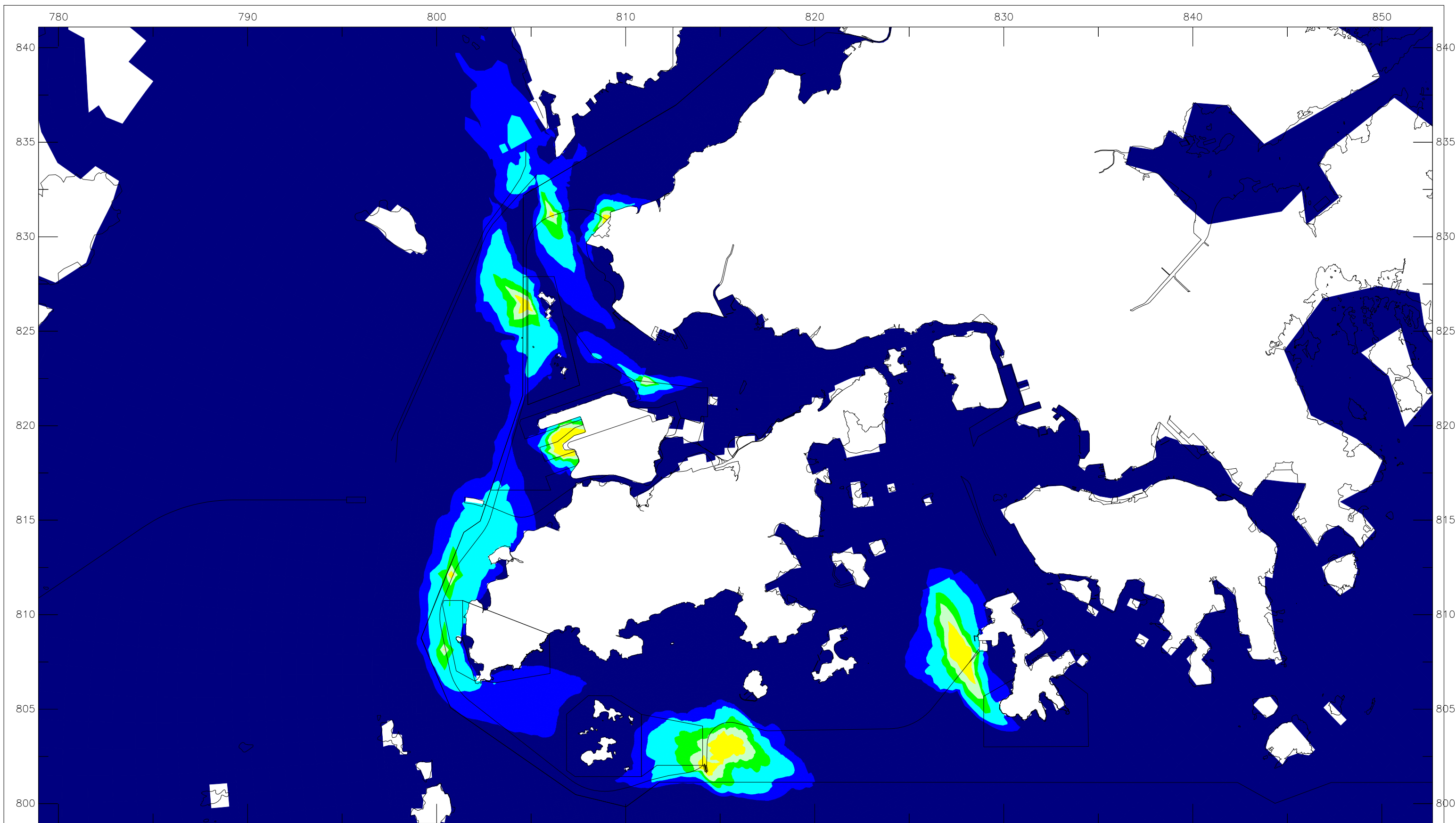
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C05 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



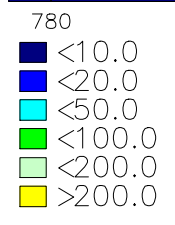
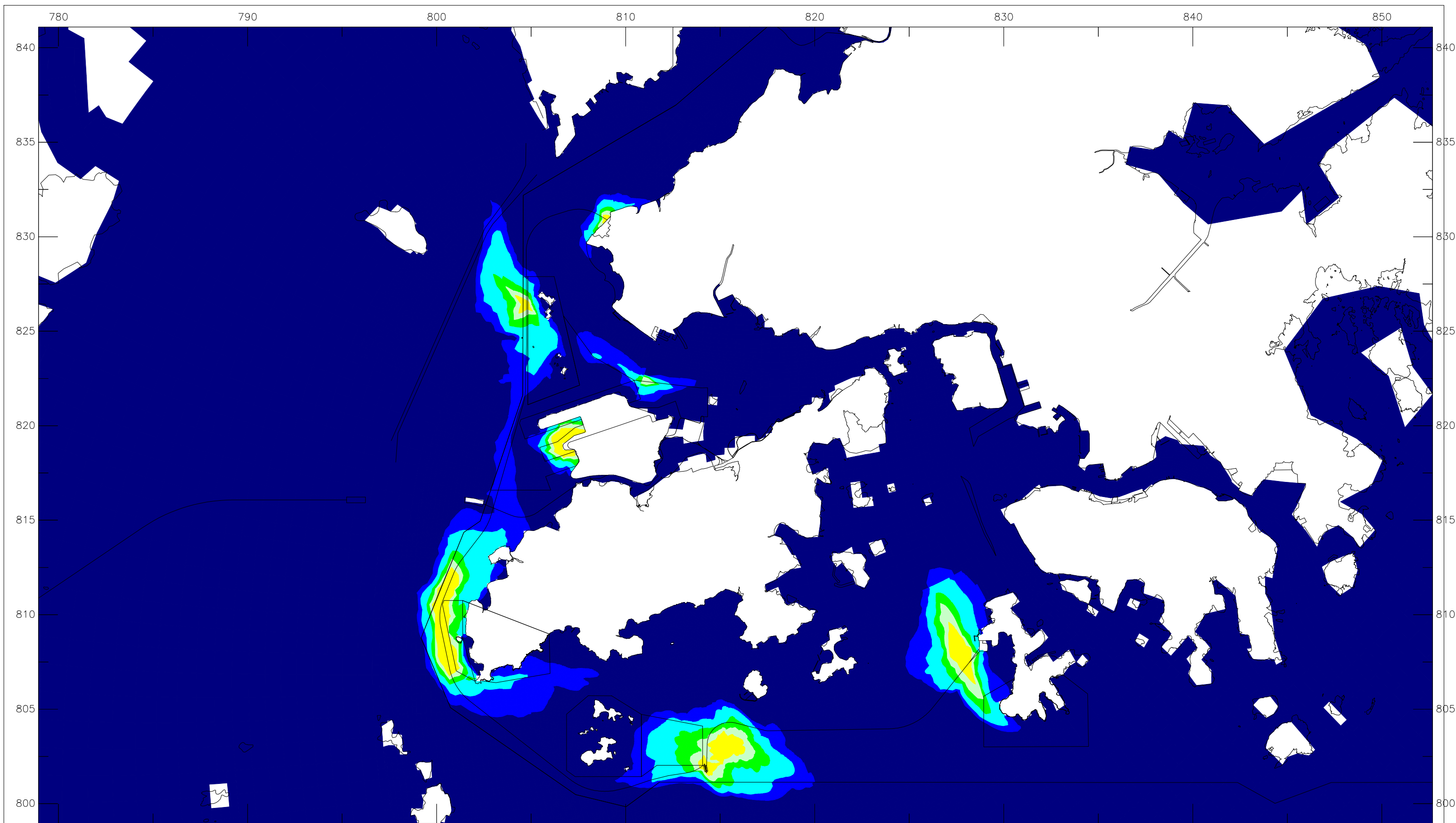
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C06 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



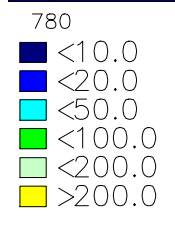
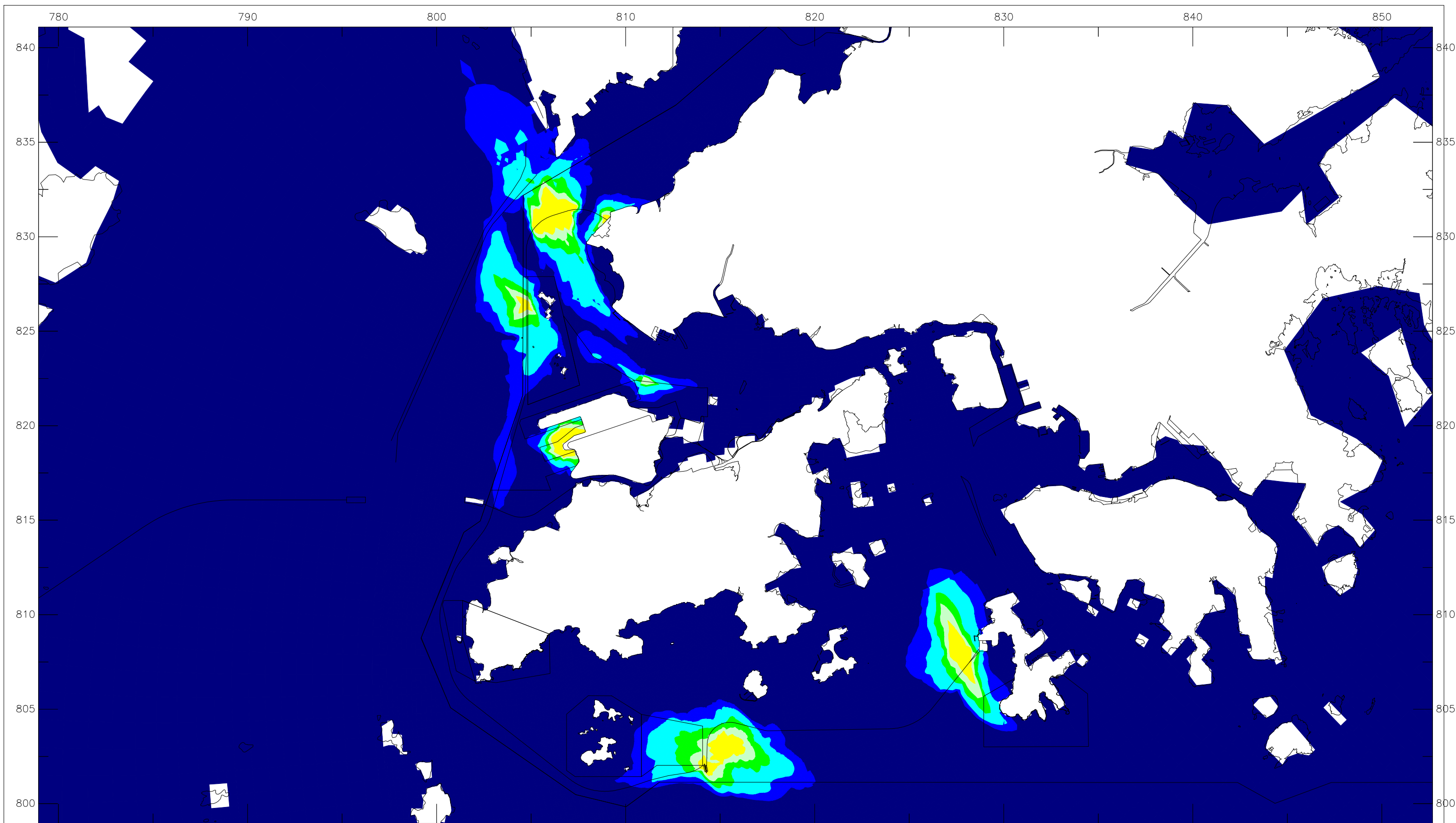
Offshore LNG Terminal EIA	Dry	2019
Construction Phase Sediment Plume Modelling - Scenario C07 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



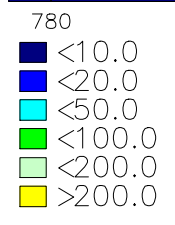
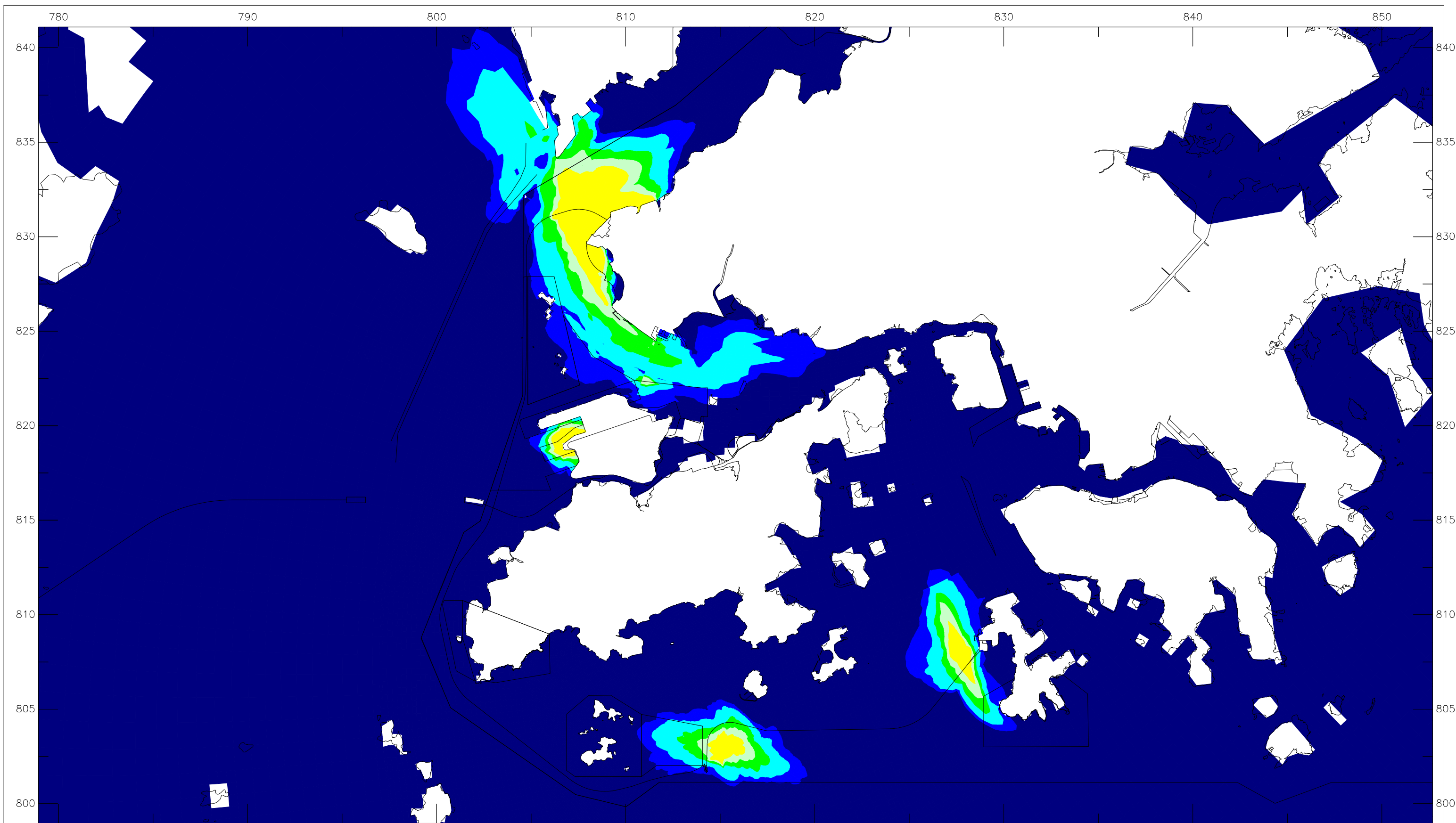
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01A	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



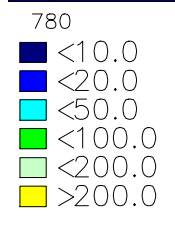
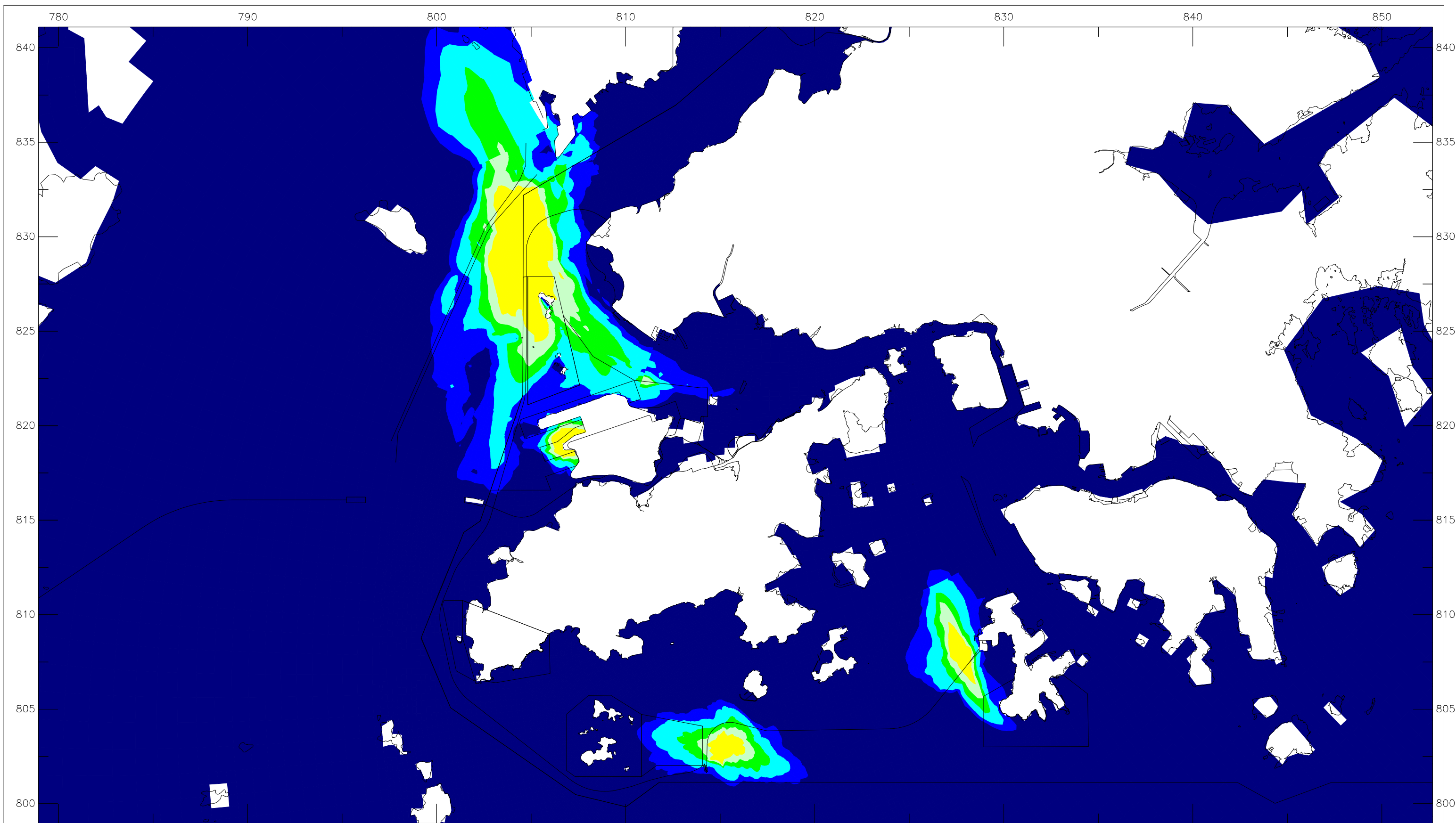
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01B	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



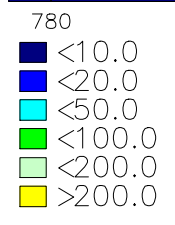
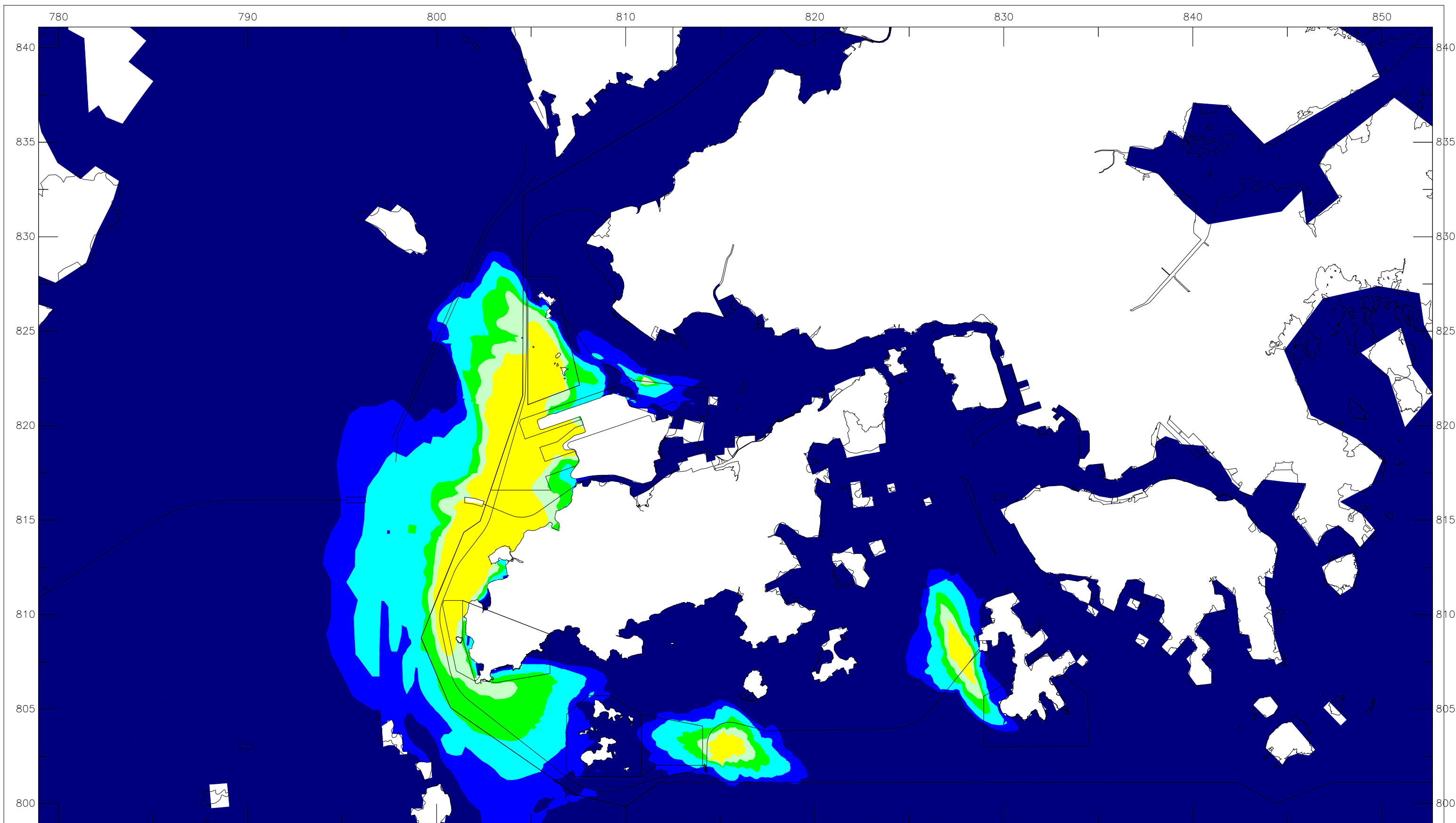
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01C	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



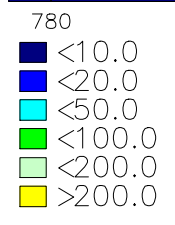
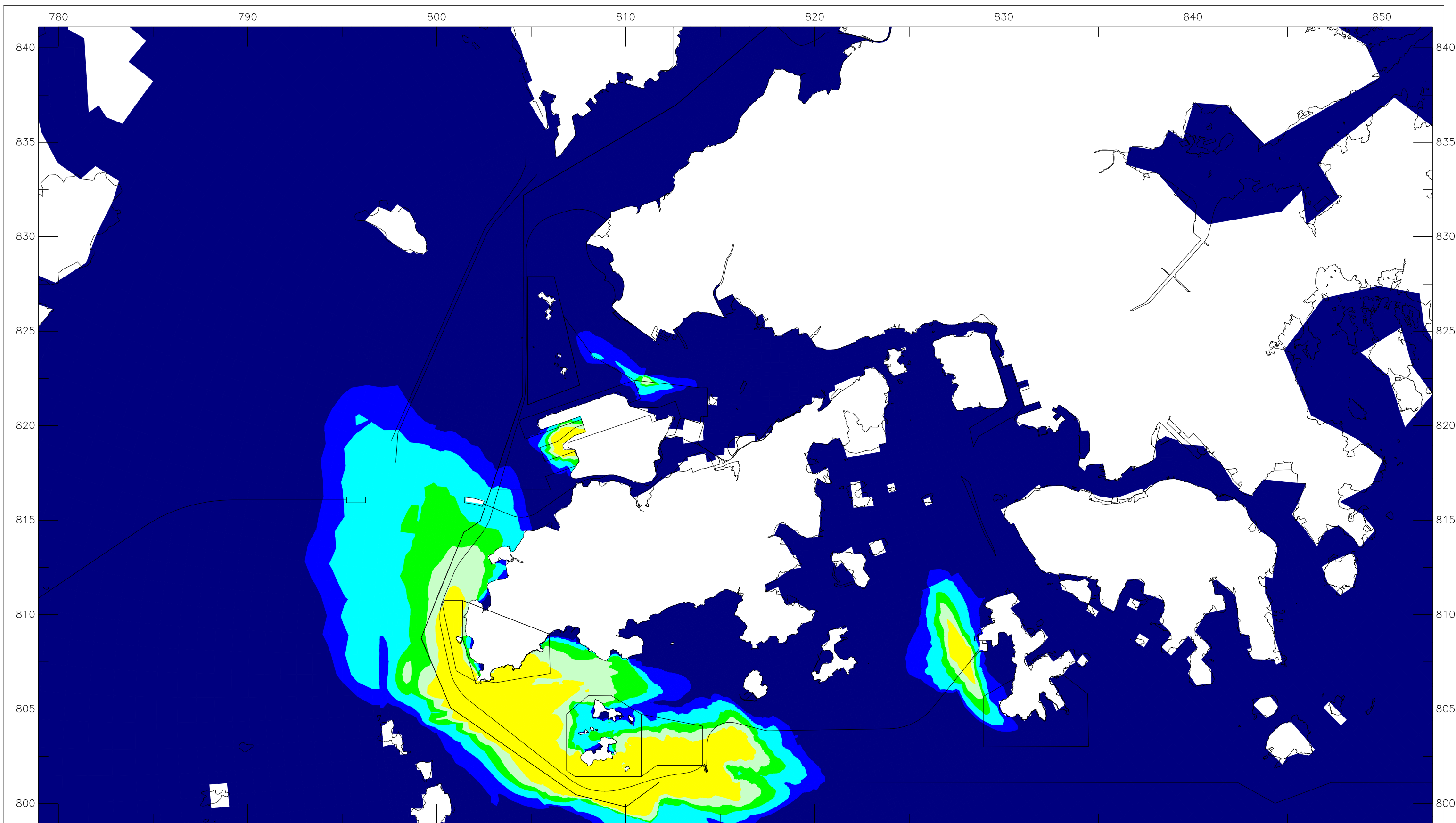
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C02	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



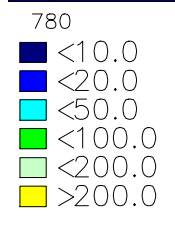
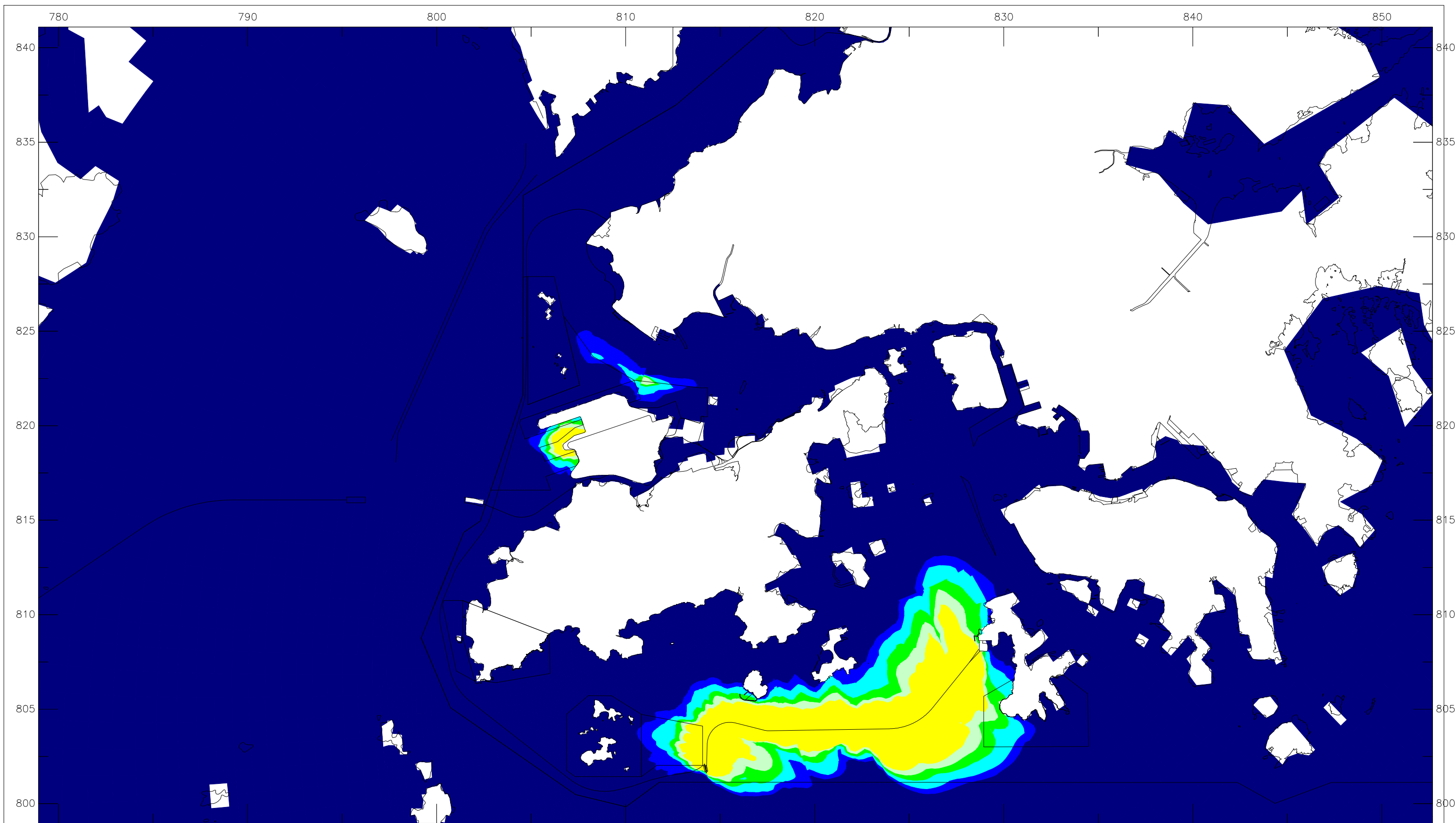
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C03	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



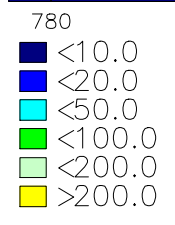
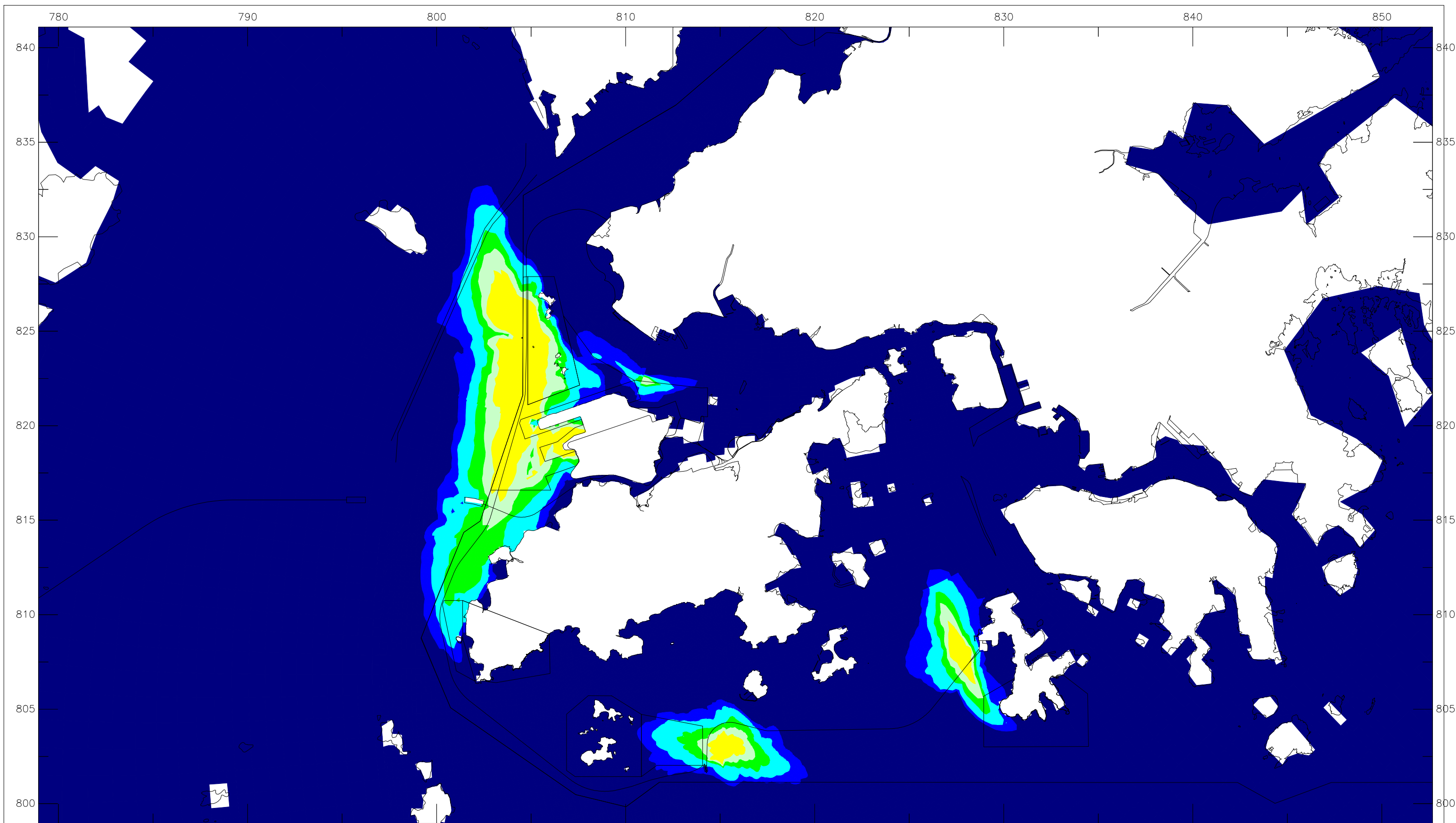
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C04	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



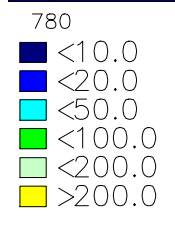
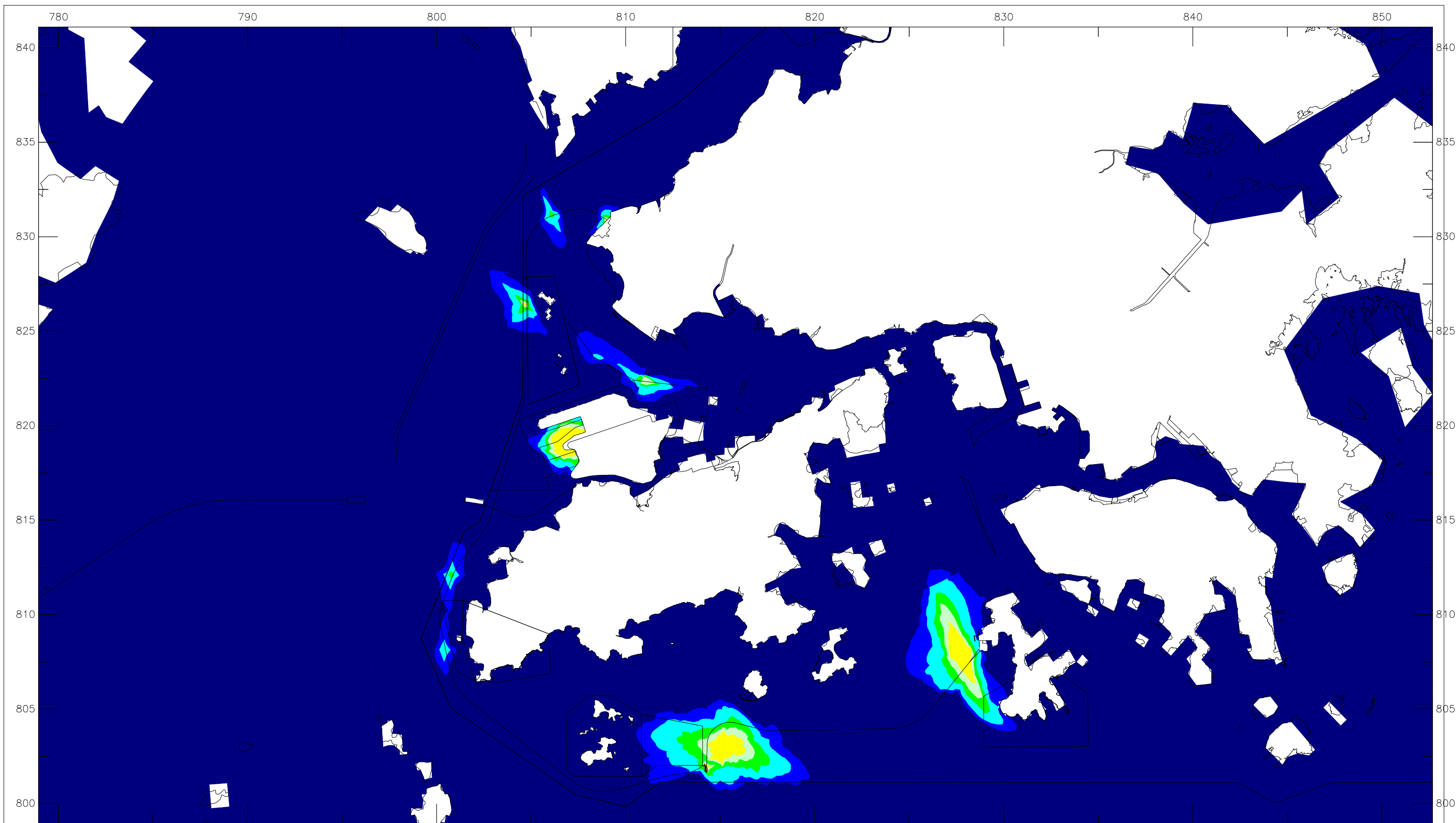
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C05	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



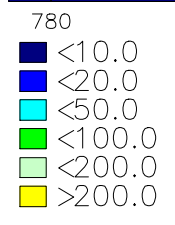
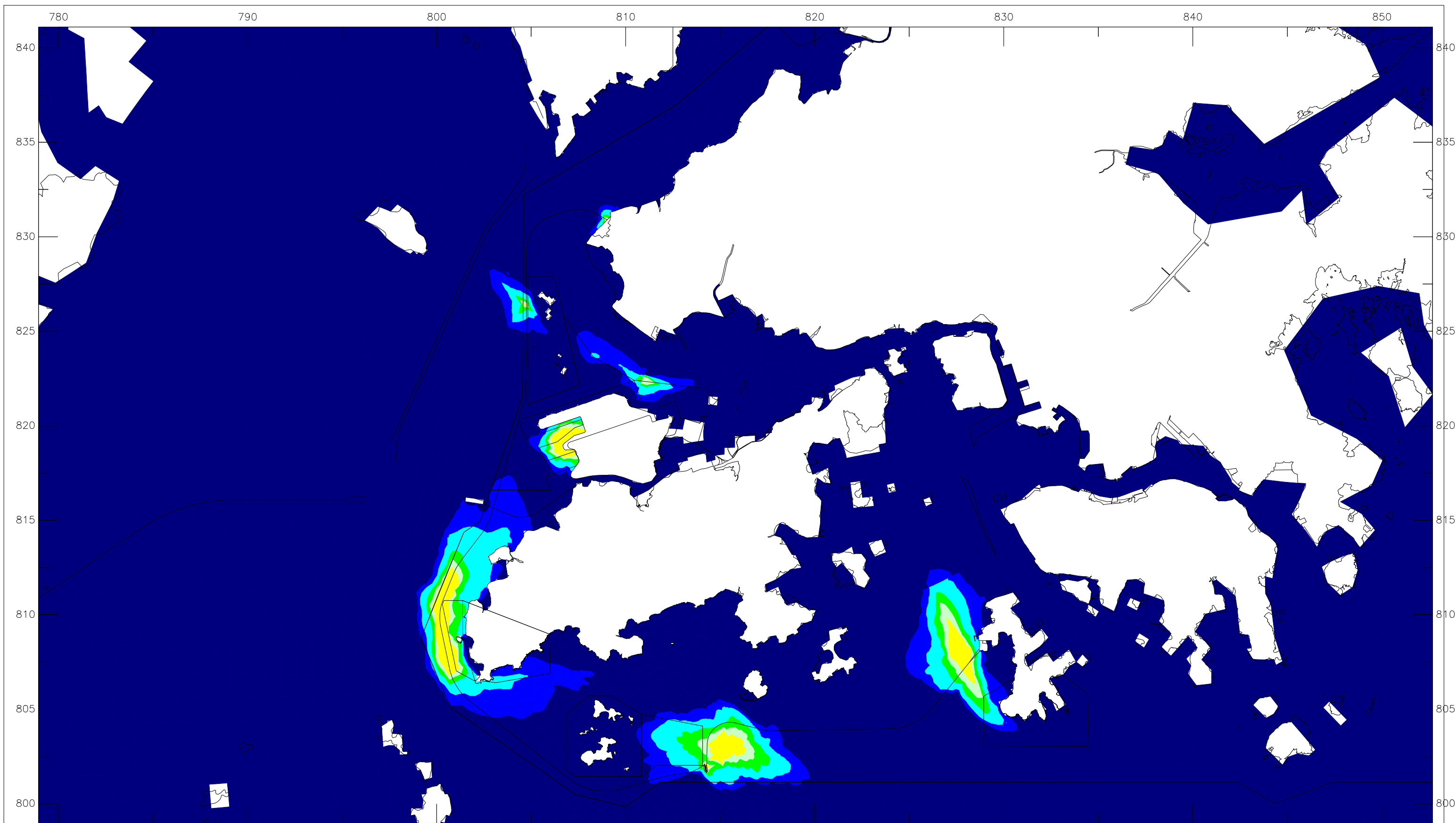
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C06	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



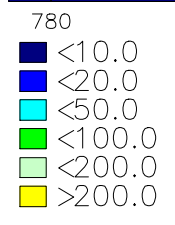
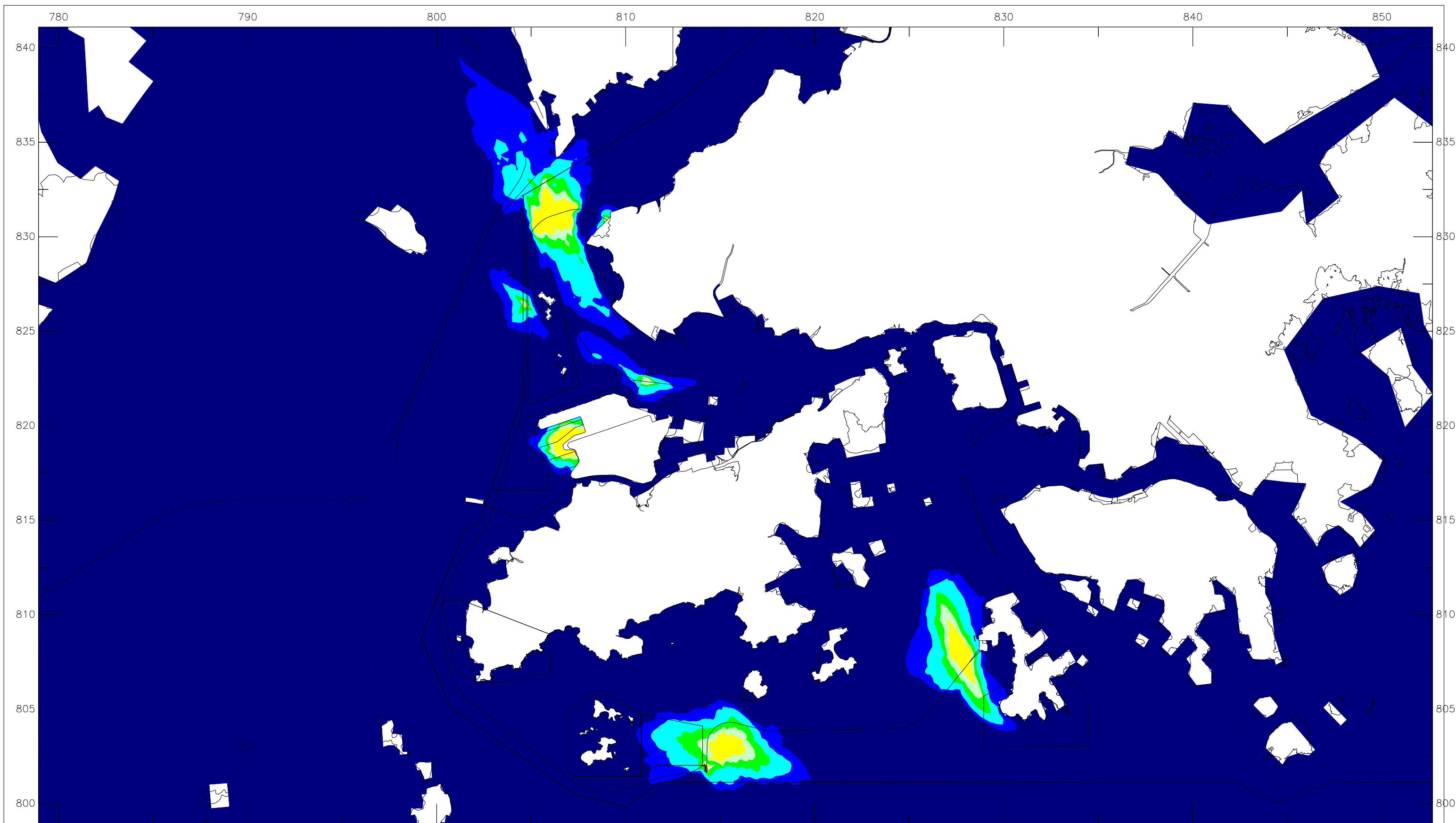
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C07	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



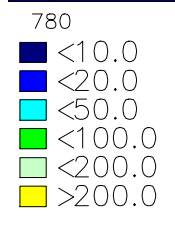
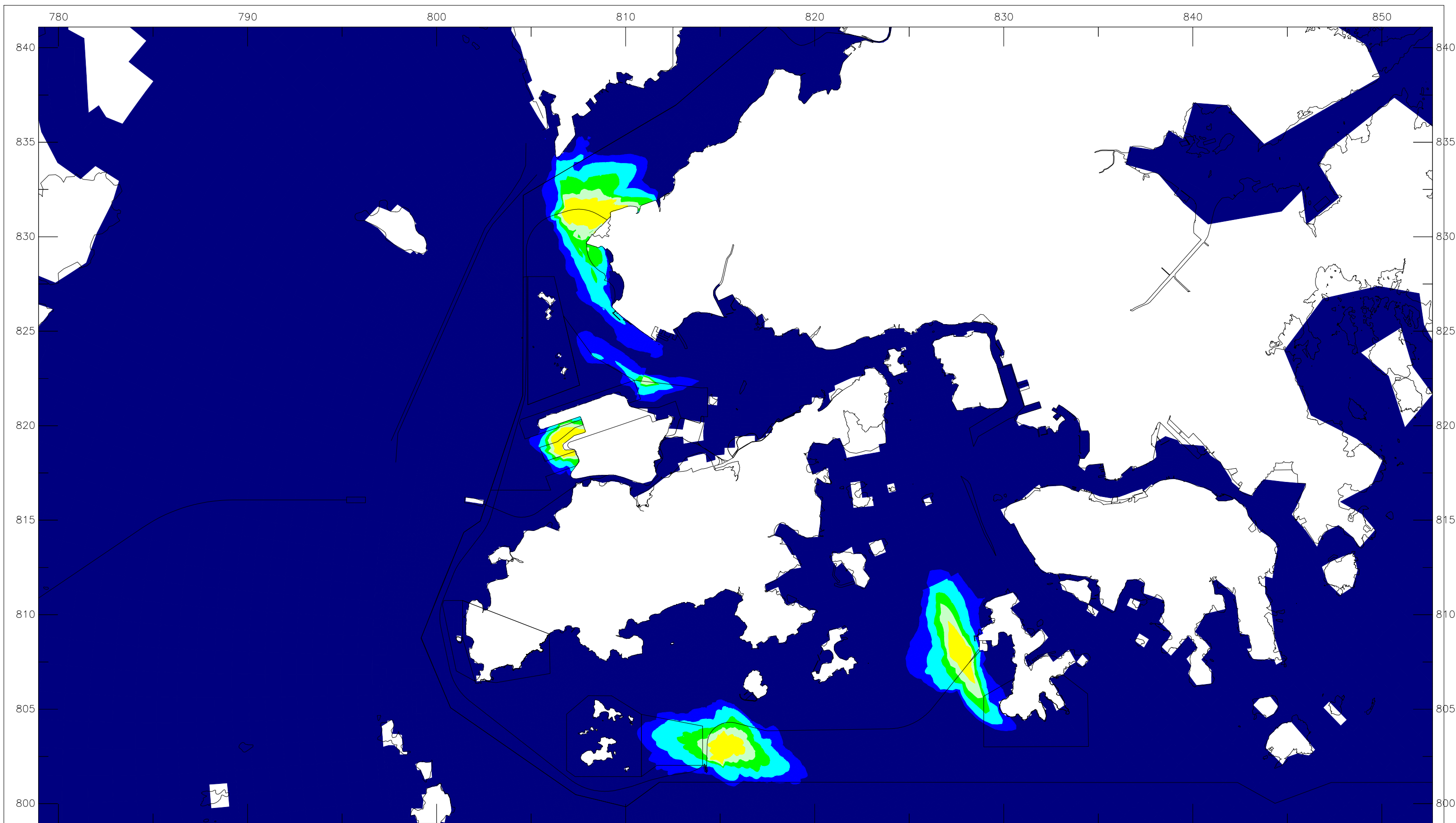
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01A - mitigated	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



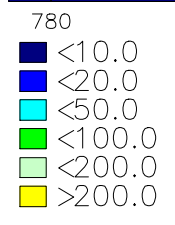
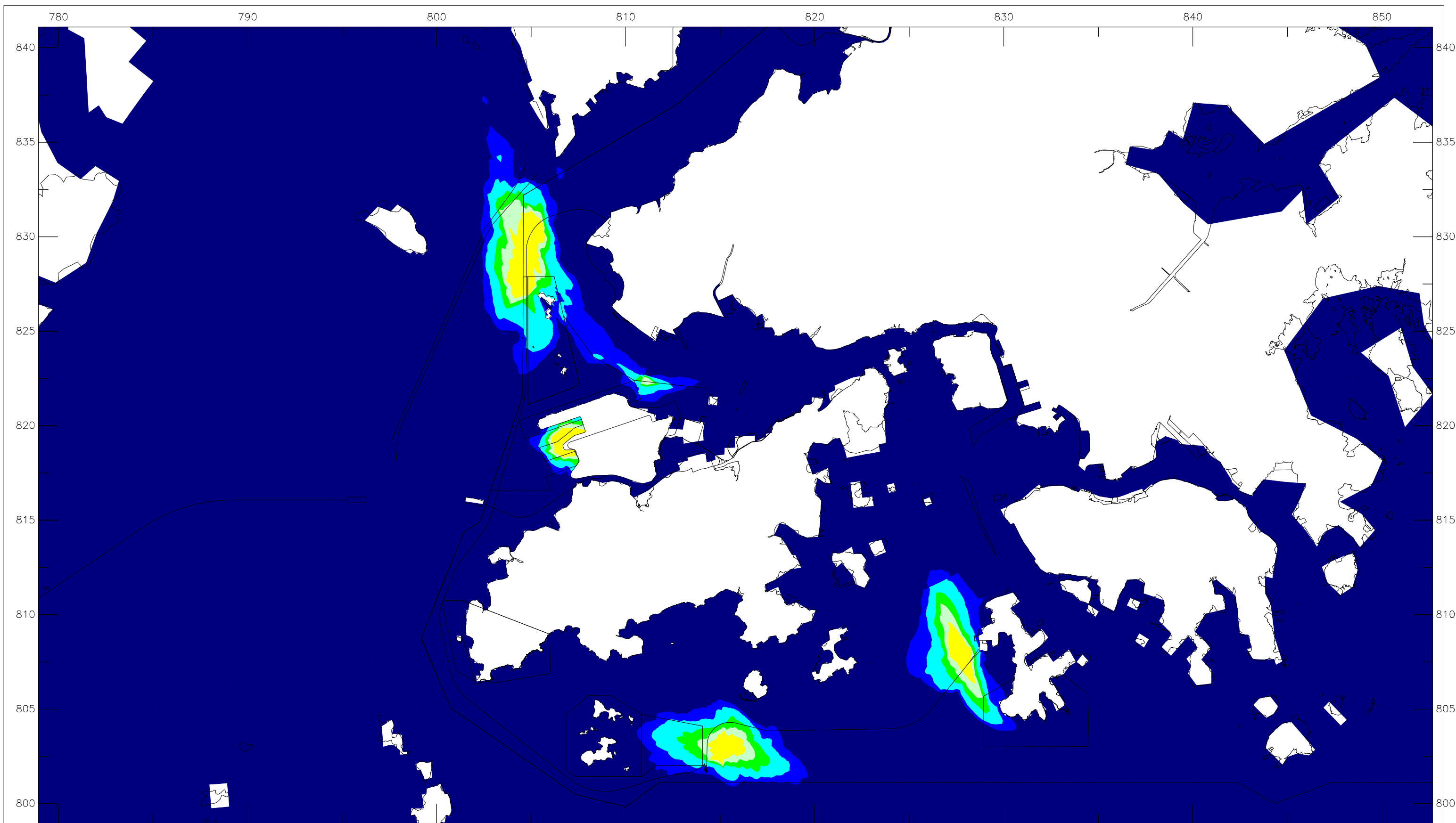
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C01B - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



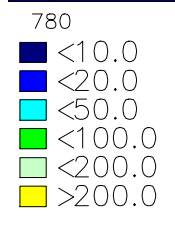
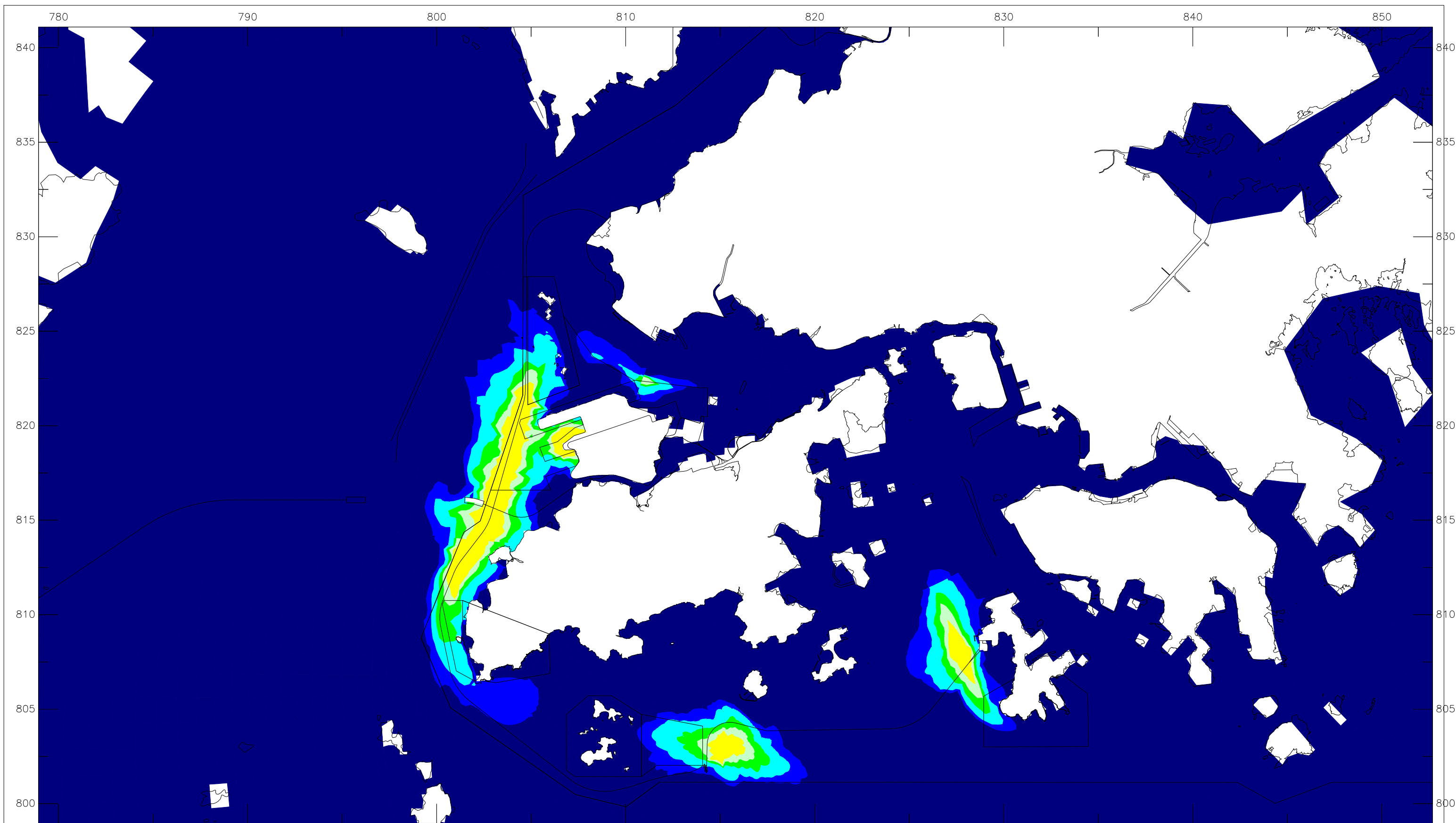
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C01C - mitigated	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



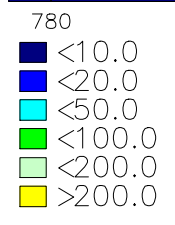
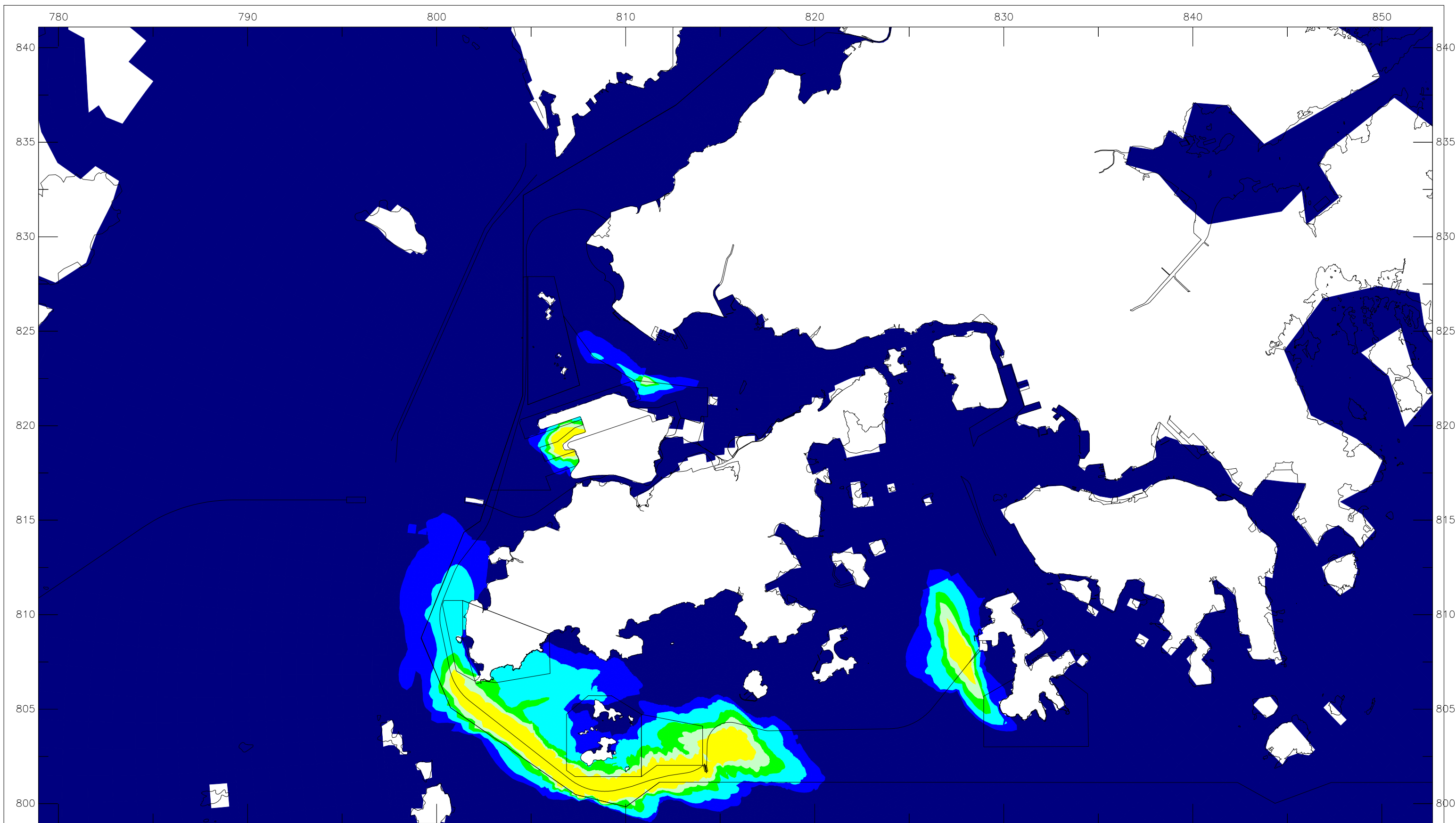
Offshore LNG Terminal EIA	Wet 2019
Construction Phase Sediment Plume Modelling - Scenario C02 - mitigated	
Maximum Sedimentation Flux (g/m2/day)	Annex-7C
ERM	Annex 7C.ssn



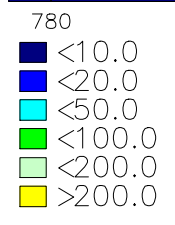
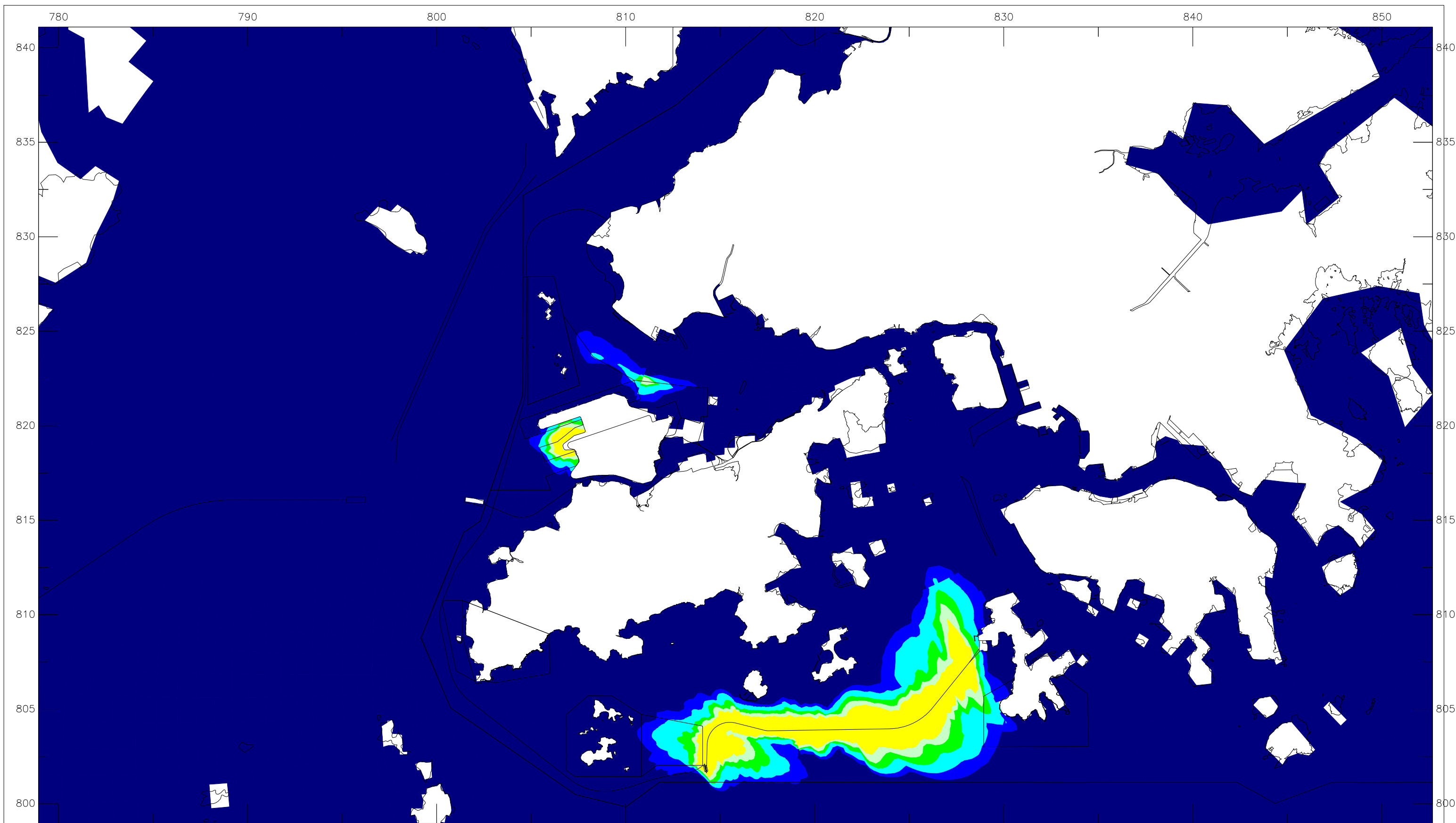
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C03 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



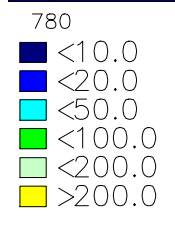
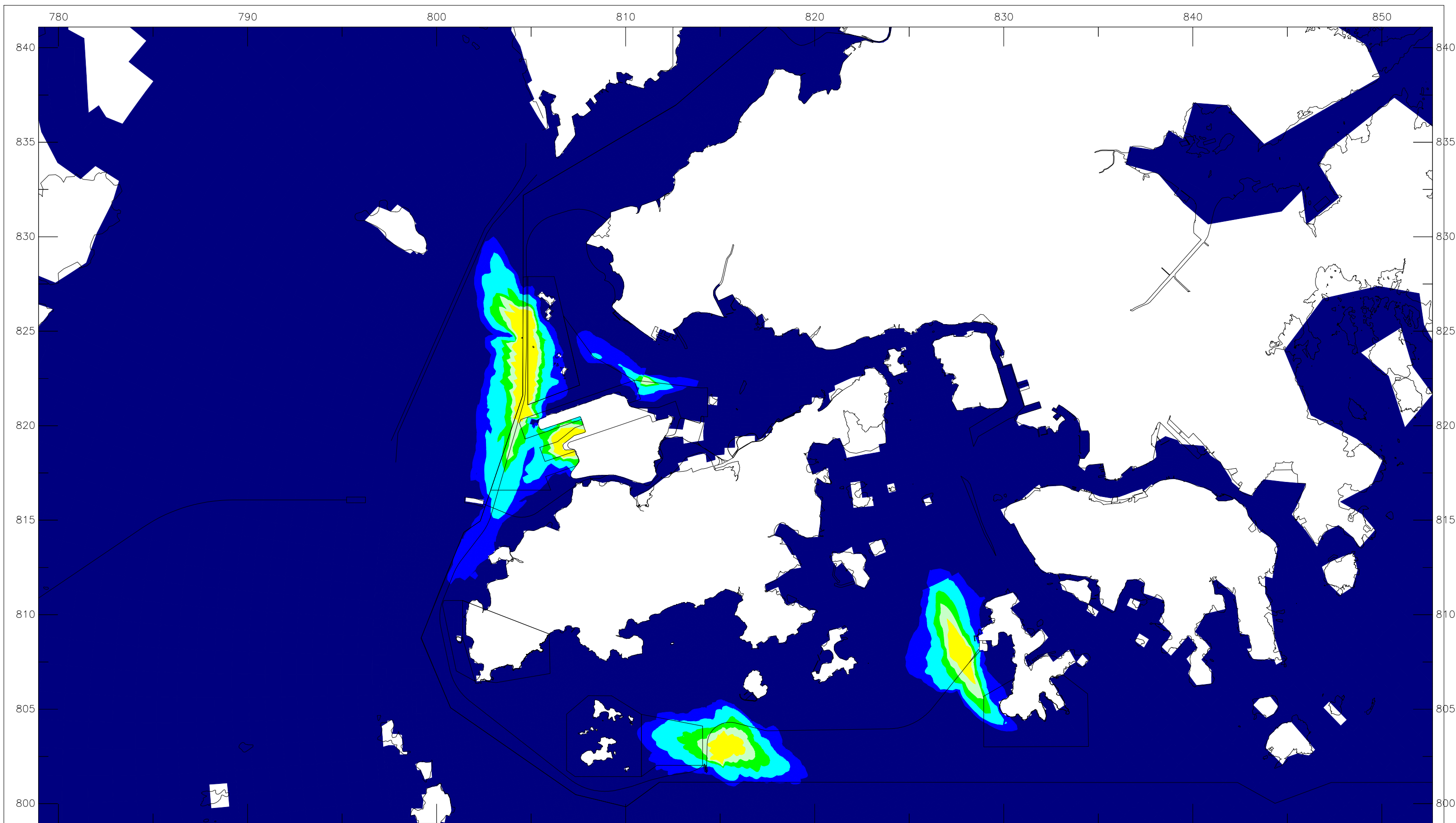
Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C04 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C05 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C06 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	



Offshore LNG Terminal EIA	Wet	2019
Construction Phase Sediment Plume Modelling - Scenario C07 - mitigated		
Maximum Sedimentation Flux (g/m2/day)	Annex-7C	
ERM	Annex 7C.ssn	