



Hydrodynamic Modeling Studies

		1D/2D/3D	Environment					Parameters Modeled					Applications				
			Ocean	Coastal	Estuarine	Riverine	Lake & Reservoir	Hydrodynamics	Sediment Transport	Fish Larvae & Particle Tracking	Conservative Tracer	Storm Surge	Water Quality	Outfall/Intakes & Mixing Zones	Pathogens	Circulation	Thermal Discharge/Desalination
Study Area	Location																
Arafura Sea & Ajkwa River	Indonesia	3D	•	•	•	•		•	•				•				
Bay of Bengal	India & Bangladesh	3D		•				•				•					
Boryong	Korea	3D		•				•								•	
California Bight	California	3D		•				•									•
Chesapeake Bay	Maryland & Virginia	3D			•			•					•			•	
Dang Jin	Korea	3D		•				•								•	
Dubai Creek	United Arab Emirates	3D		•				•	•				•			•	
East River	New York	3D		•	•	•		•		•							
Fox River	Wisconsin	2D				•		•	•			•					
Gowanus Bay	New York	3D			•			•	•					•		•	
Green Bay	Wisconsin	3D					•	•	•			•					
Gulf of Mexico	Louisiana	2D	•	•				•									
Gulf of Mexico (Panama City)	Florida	3D		•	•			•								•	•
Hudson River	New York	3D			•	•		•		•				•			
Illinois River	Illinois	3D				•		•								•	•
Jamaica Bay	New York	3D		•	•			•					•				
James River, Chesapeake Bay	Virginia	3D			•	•		•				•			•	•	
James River	Virginia	3D			•	•		•							•	•	
Lake Erie	Pennsylvania	2D					•	•				•	•				
Lake Waban	Massachusetts	3D					•	•	•				•				
Lavaca Bay	Texas	3D			•			•	•			•	•				
Mamala Bay	Hawaii	3D		•				•		•		•	•				

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			Study Area	Location														
Uljín	Korea	3D		•				•								•		
Verde Island Pass	Phillippines	3D	•	•				•					•			•		
Yellow Sea	China	3D	•	•	•			•	•		•				•			