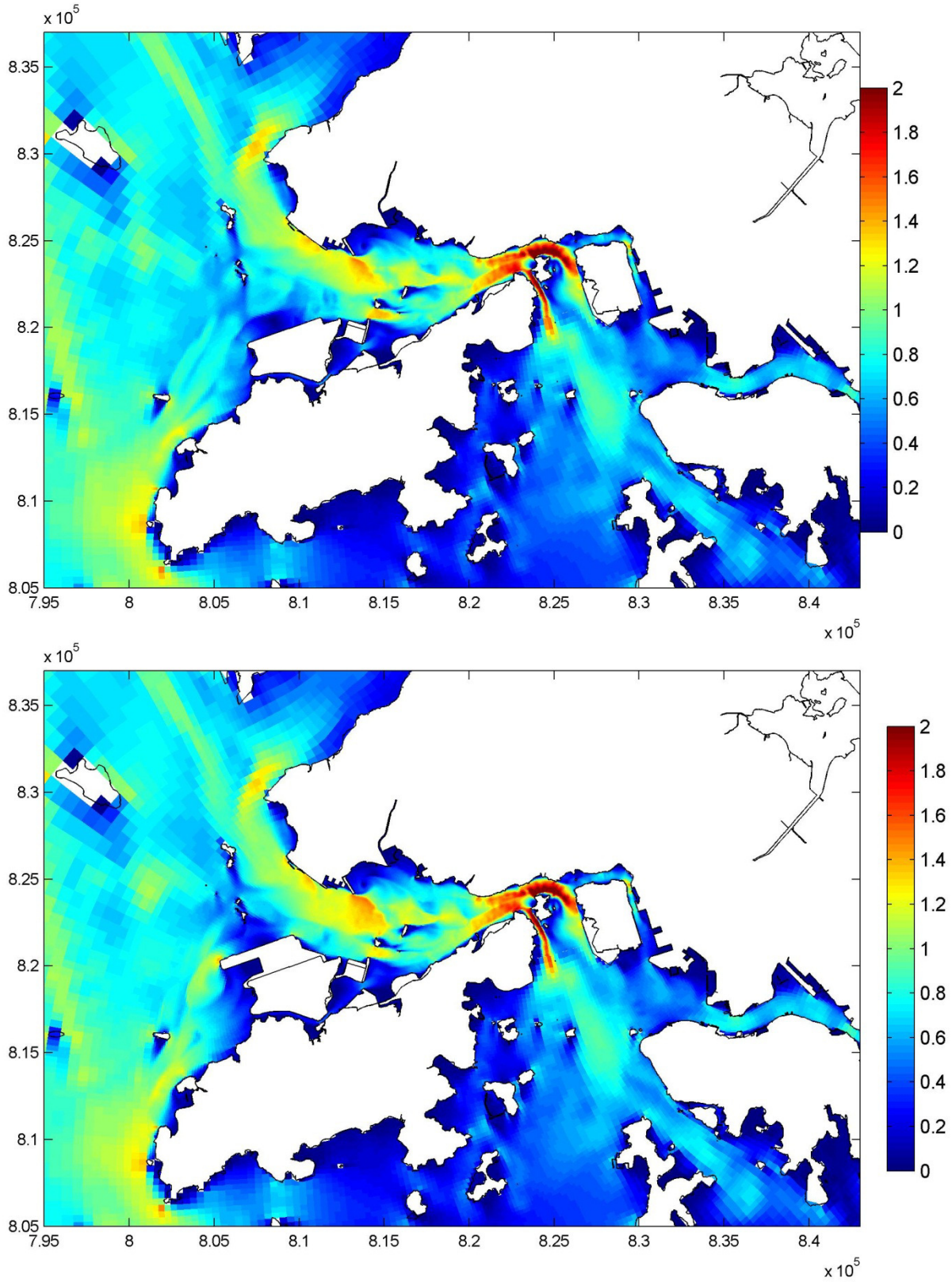
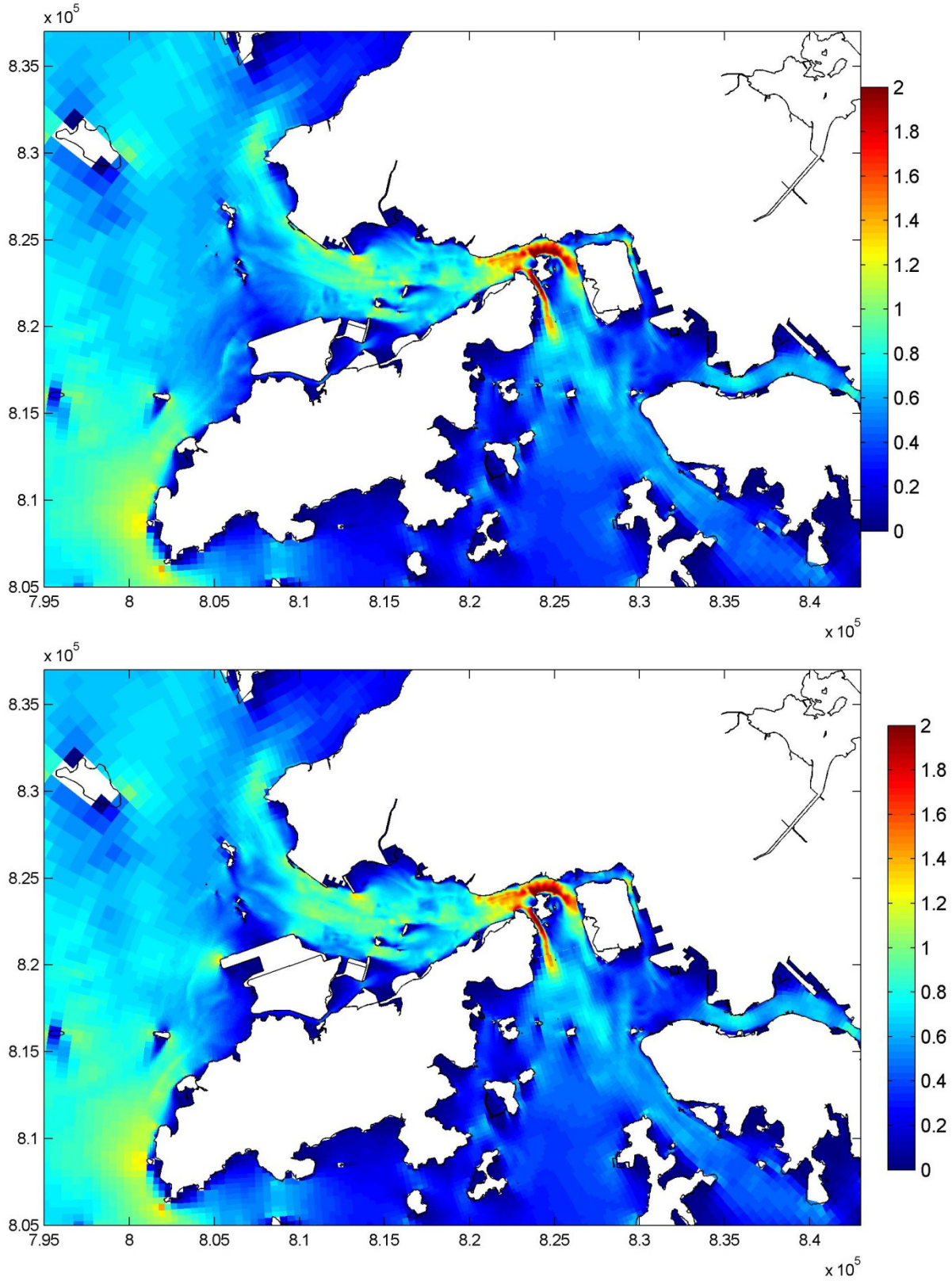
Appendix 8.14 - Figure List

Table No.

1 Surface Layer Velocity for Operation Phase



Year 2026, with and without Project Plots of horizontal current speed, dry season ebb (near surface, Top: without Project, Bottom: with Project)		Figure 1
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, dry season ebb (middle, Top: without Project, Bottom: with Project)		Figure 2
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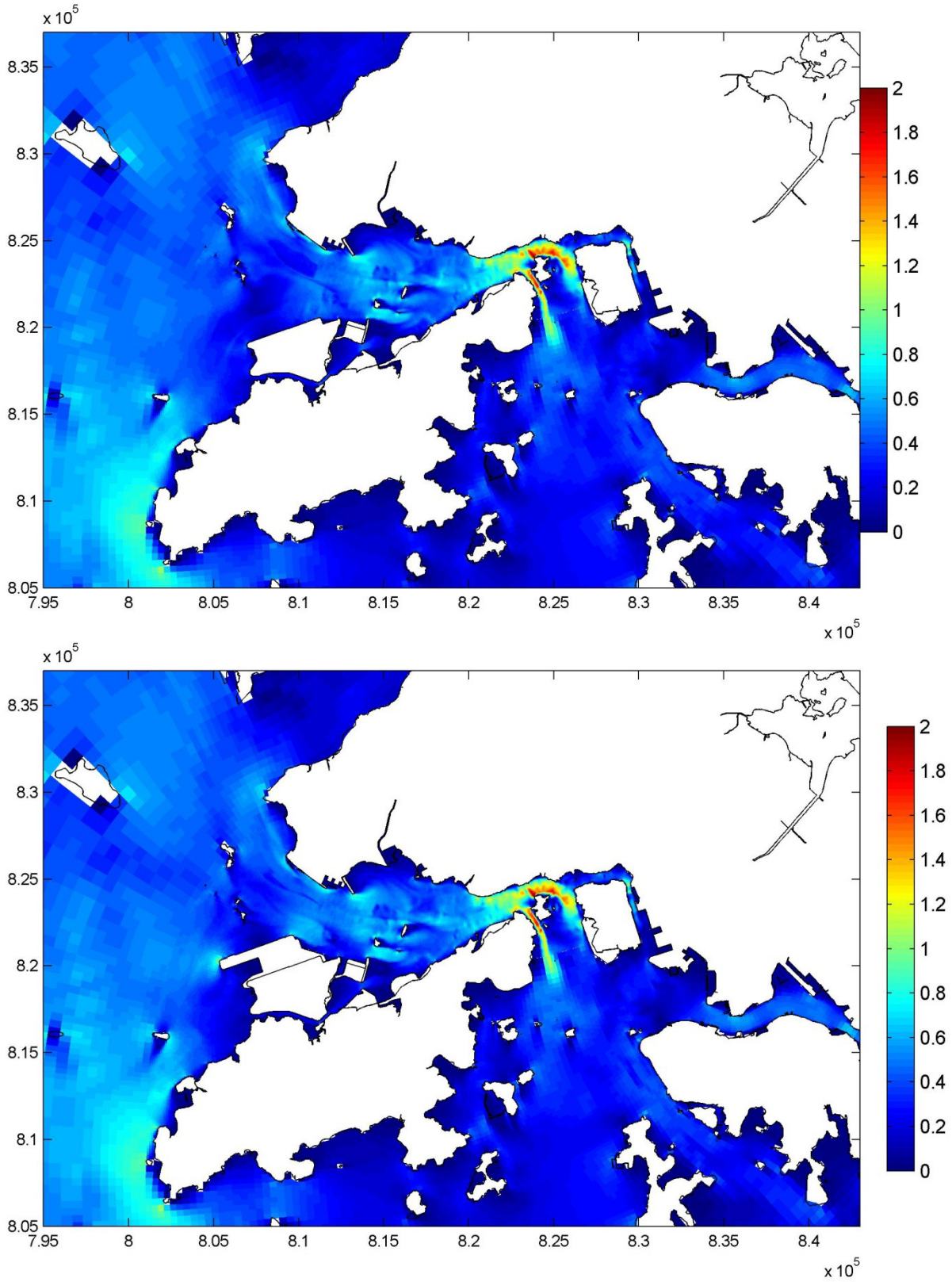
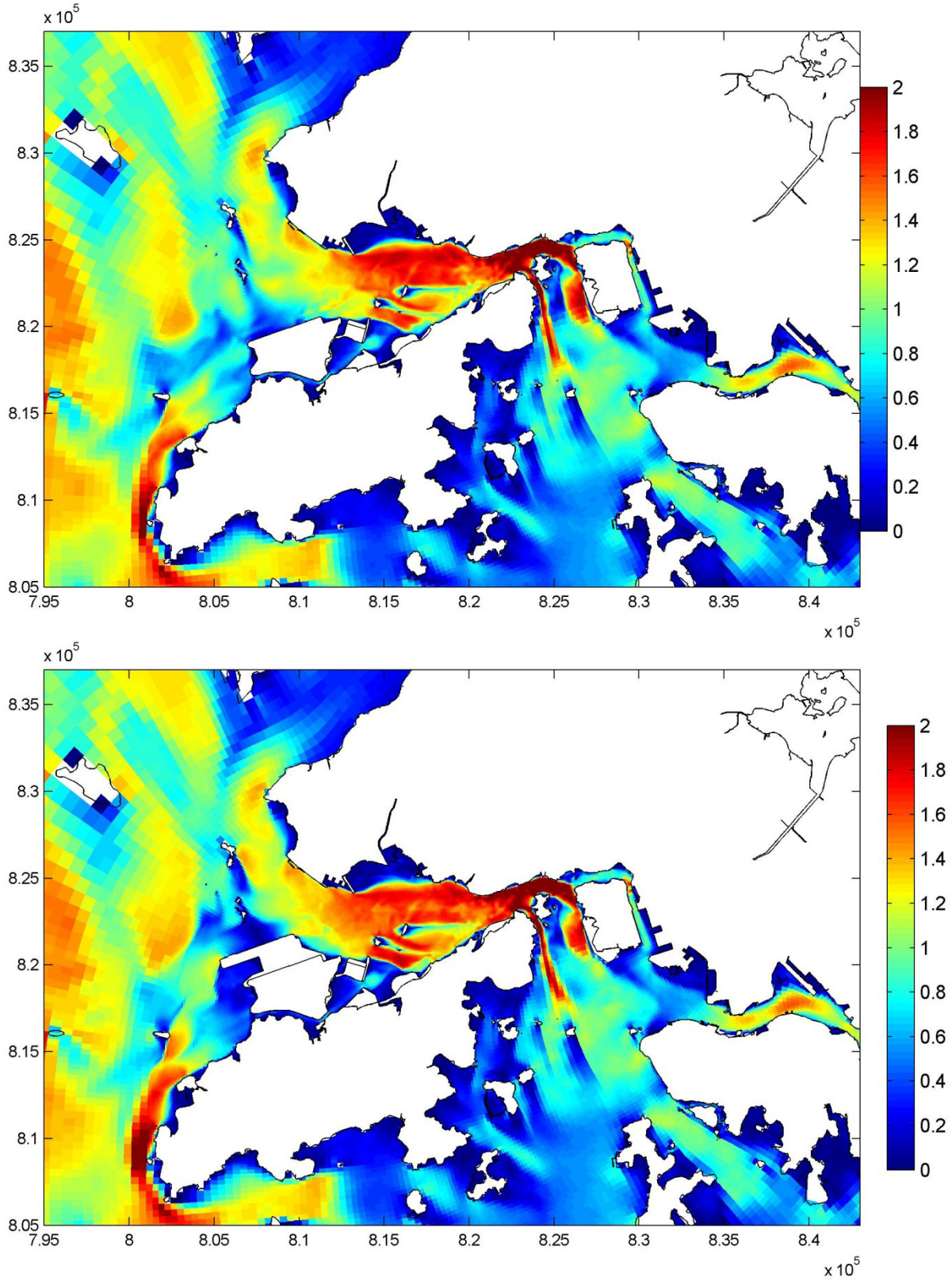
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, dry season ebb (near bottom, Top: without Project, Bottom: with Project)		Figure 3
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season ebb (near surface, Top: without Project, Bottom: with Project)		Figure 4
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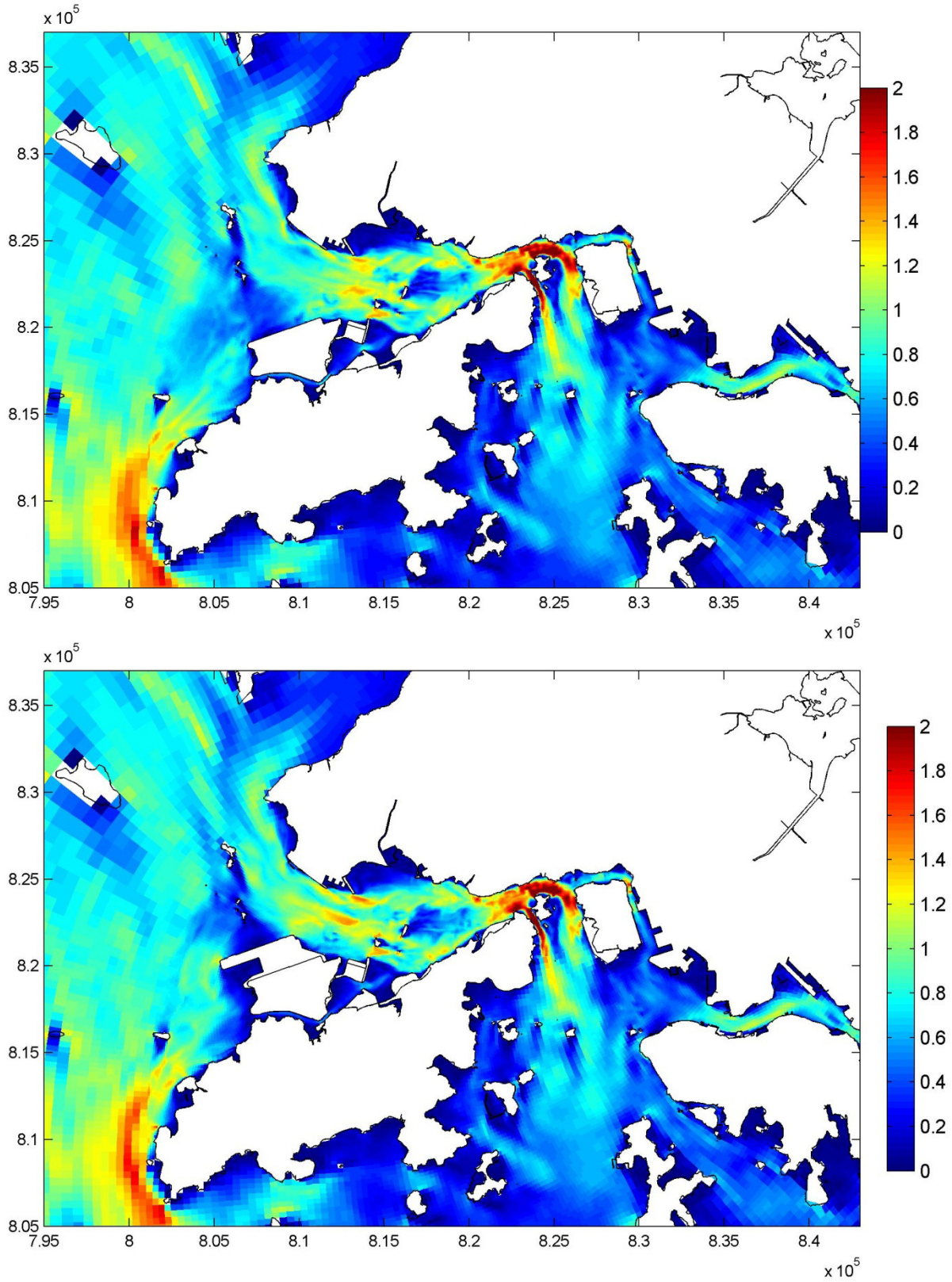
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season ebb (middle, Top: without Project, Bottom: with Project)		Figure 5
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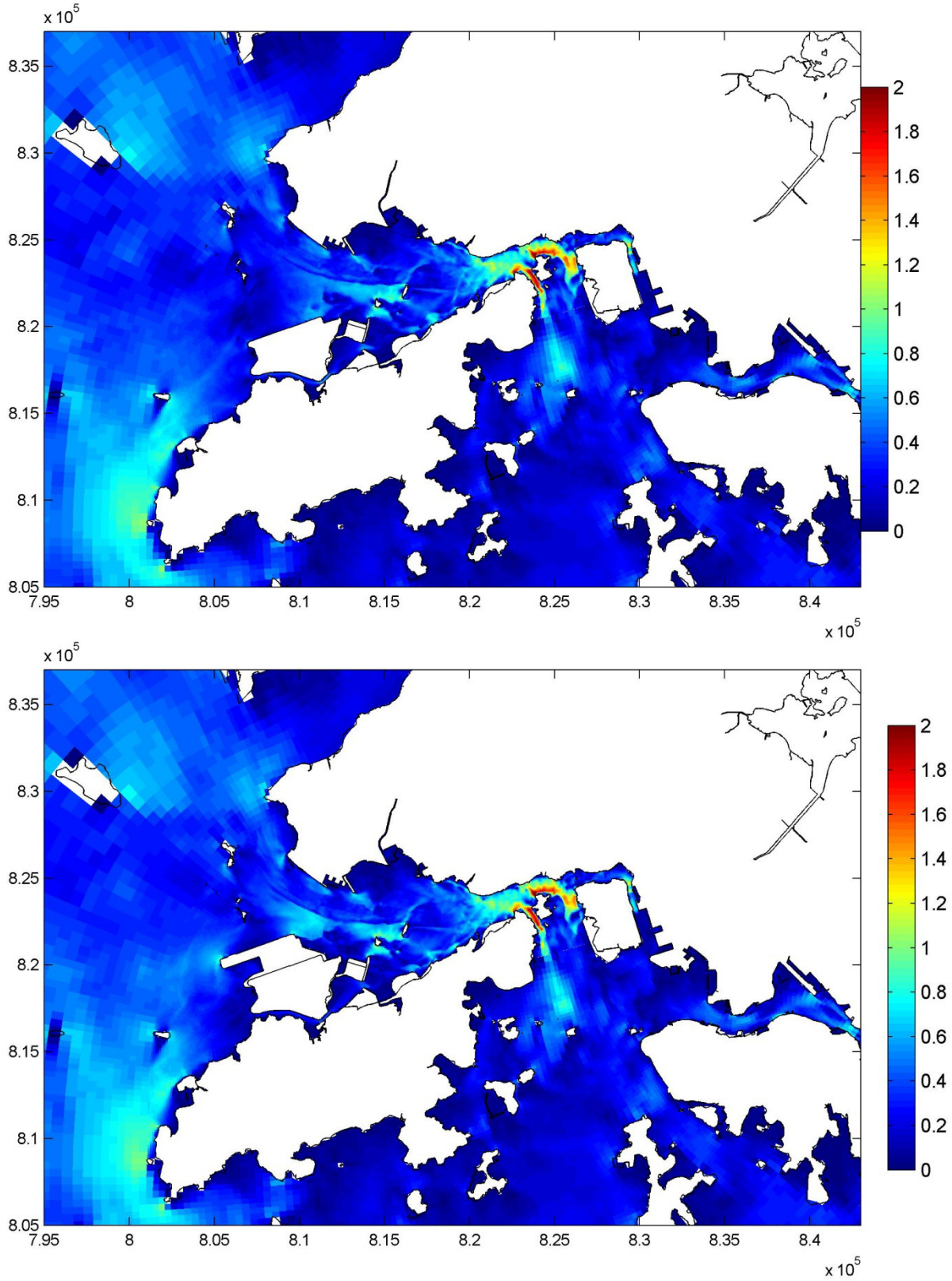
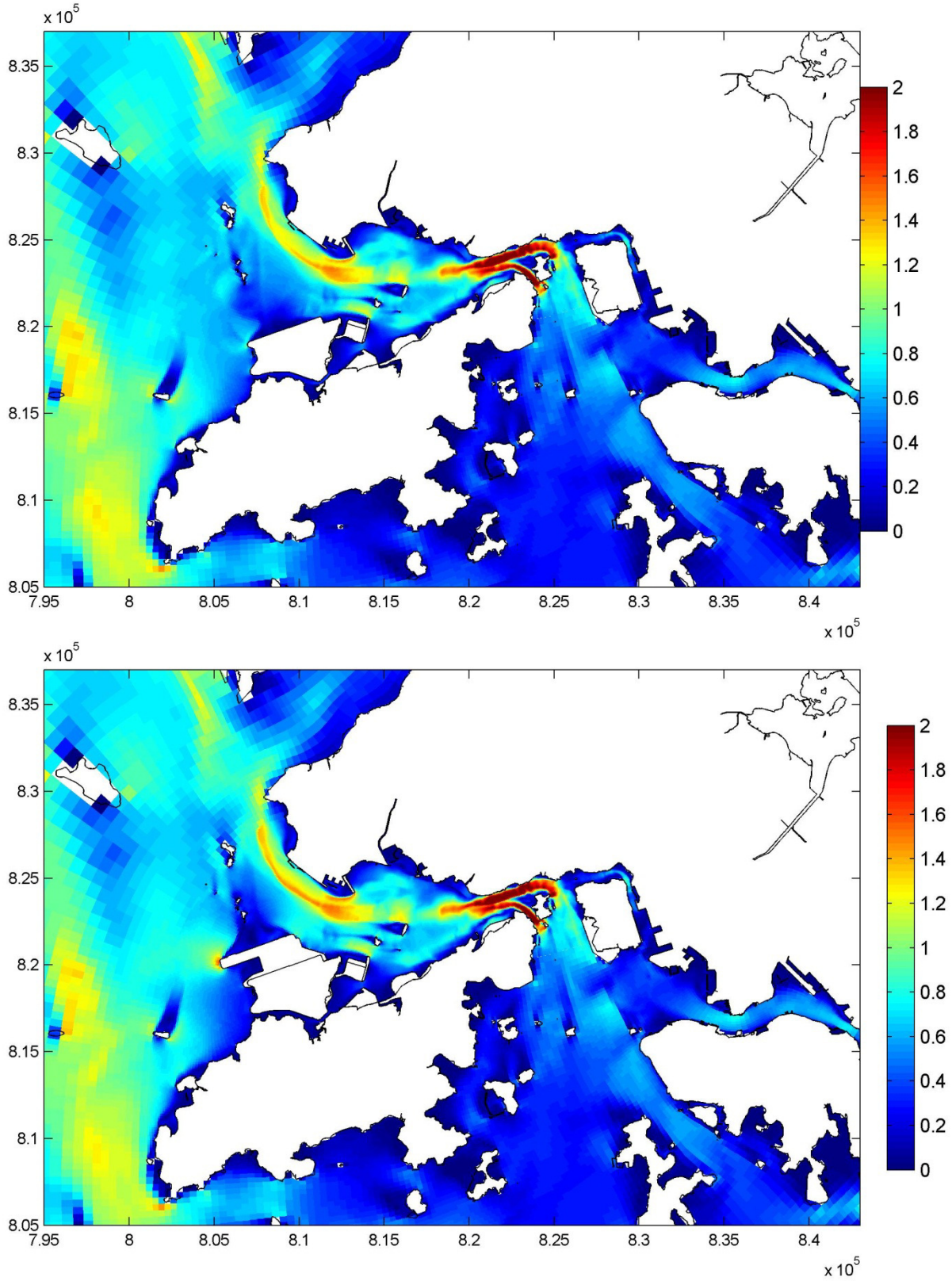
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season ebb (near bottom, Top: without Project, Bottom: with Project)		Figure 6
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, dry season flood (near surface, Top: without Project, Bottom: with Project)		Figure 7
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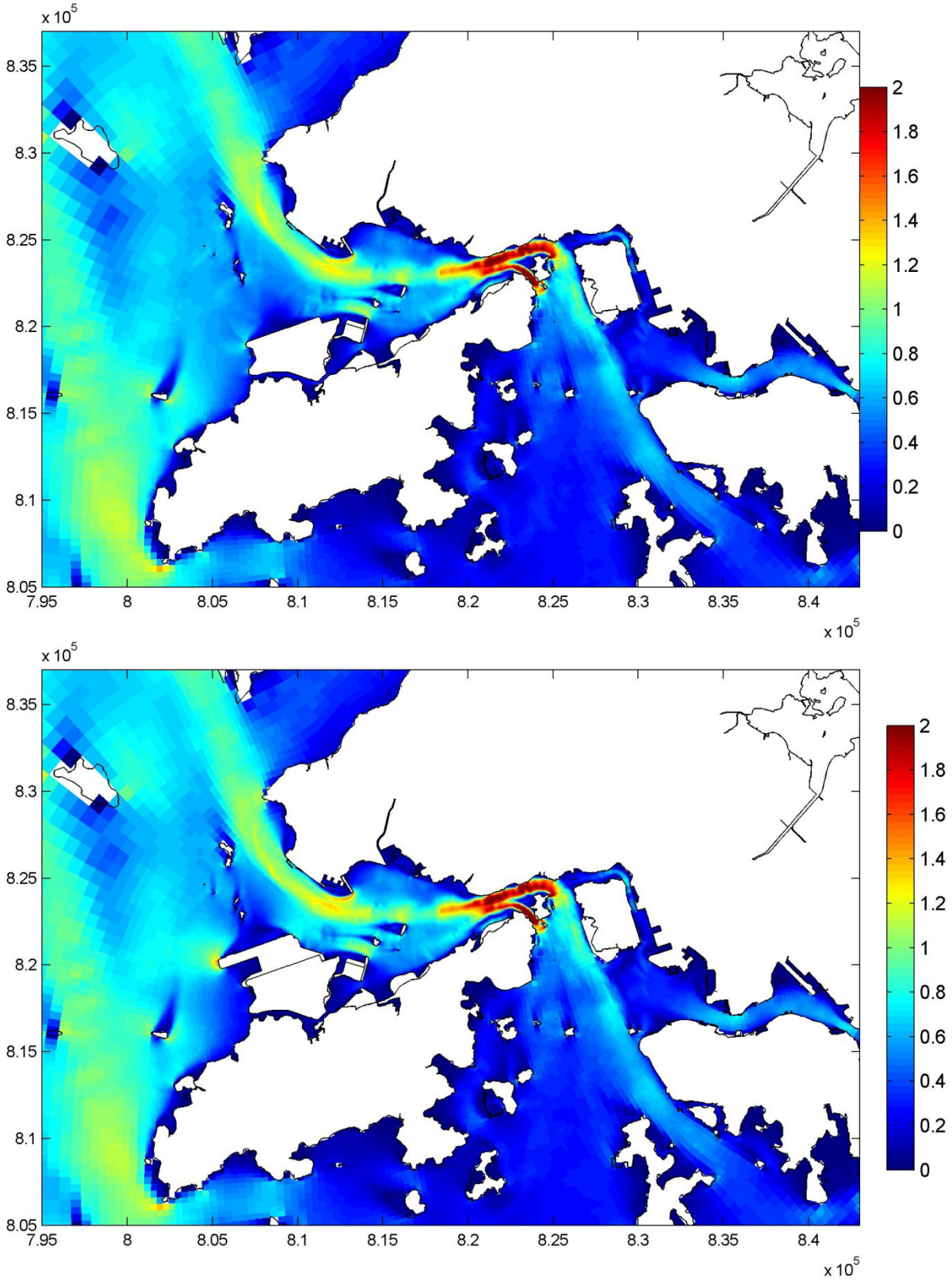
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, dry season flood (middle, Top: without Project, Bottom: with Project)		Figure 8
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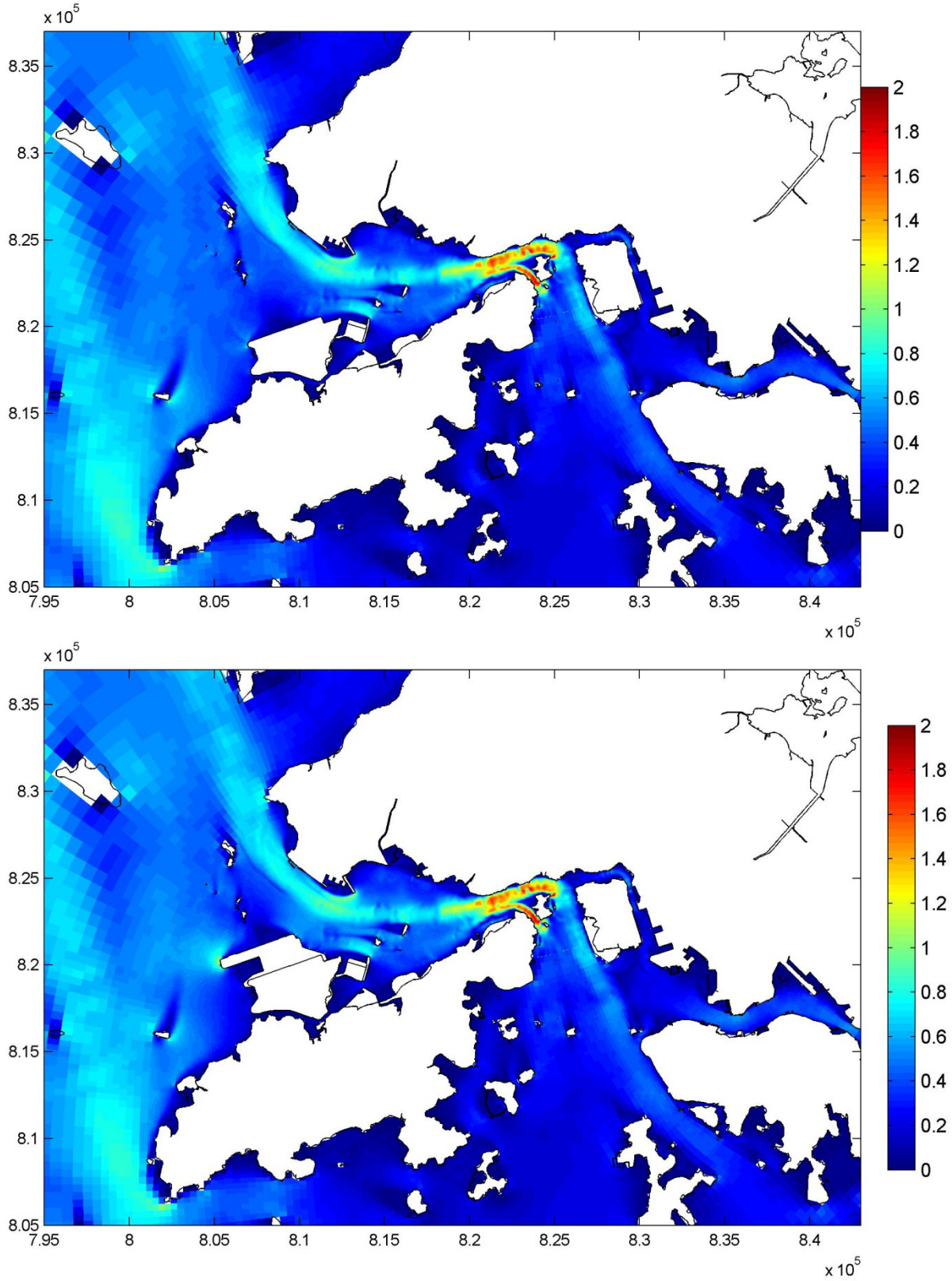
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, dry season flood (near bottom, Top: without Project, Bottom: with Project)		Figure 9
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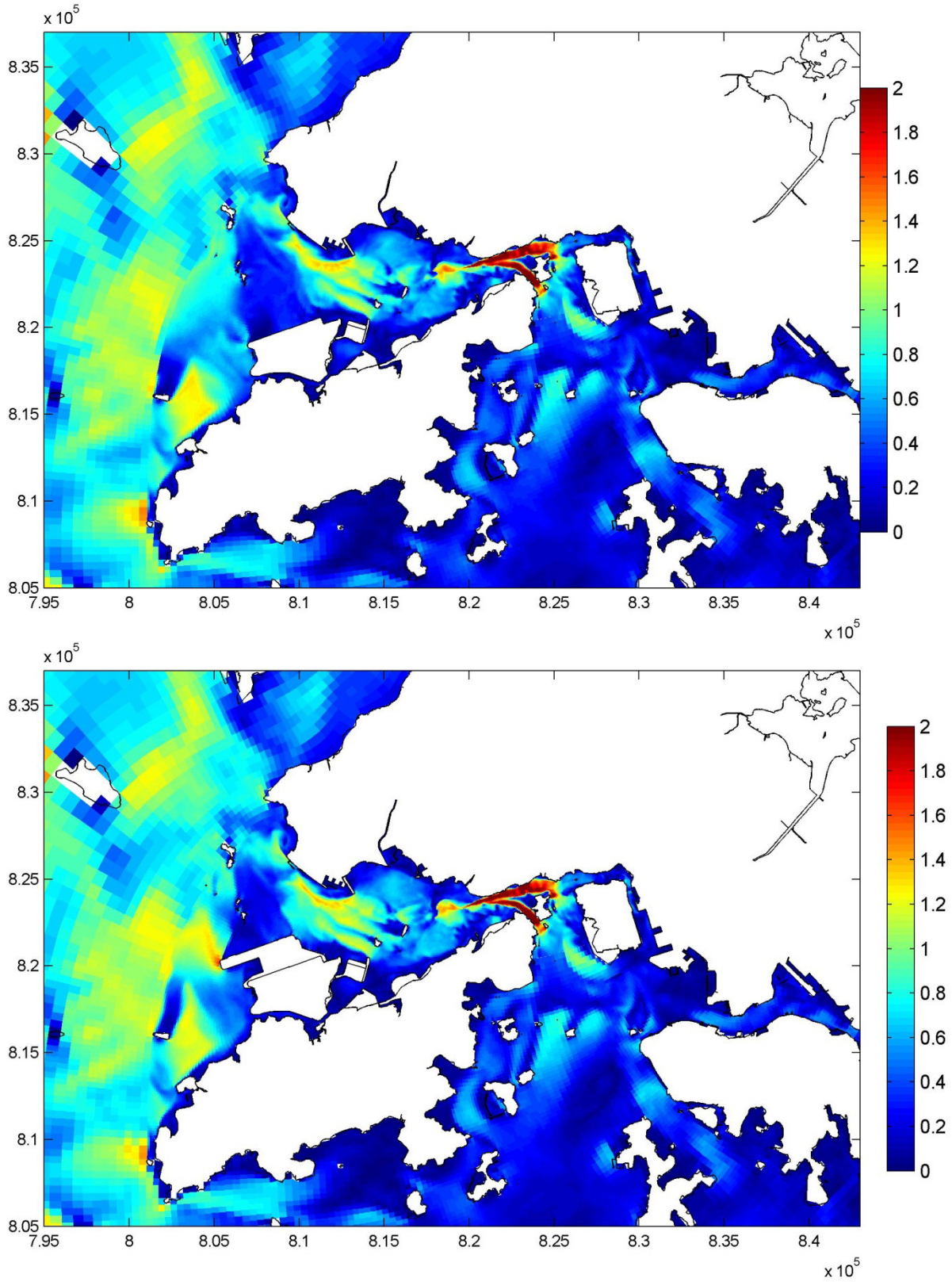
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season flood (near surface, Top: without Project, Bottom: with Project)		Figure 10
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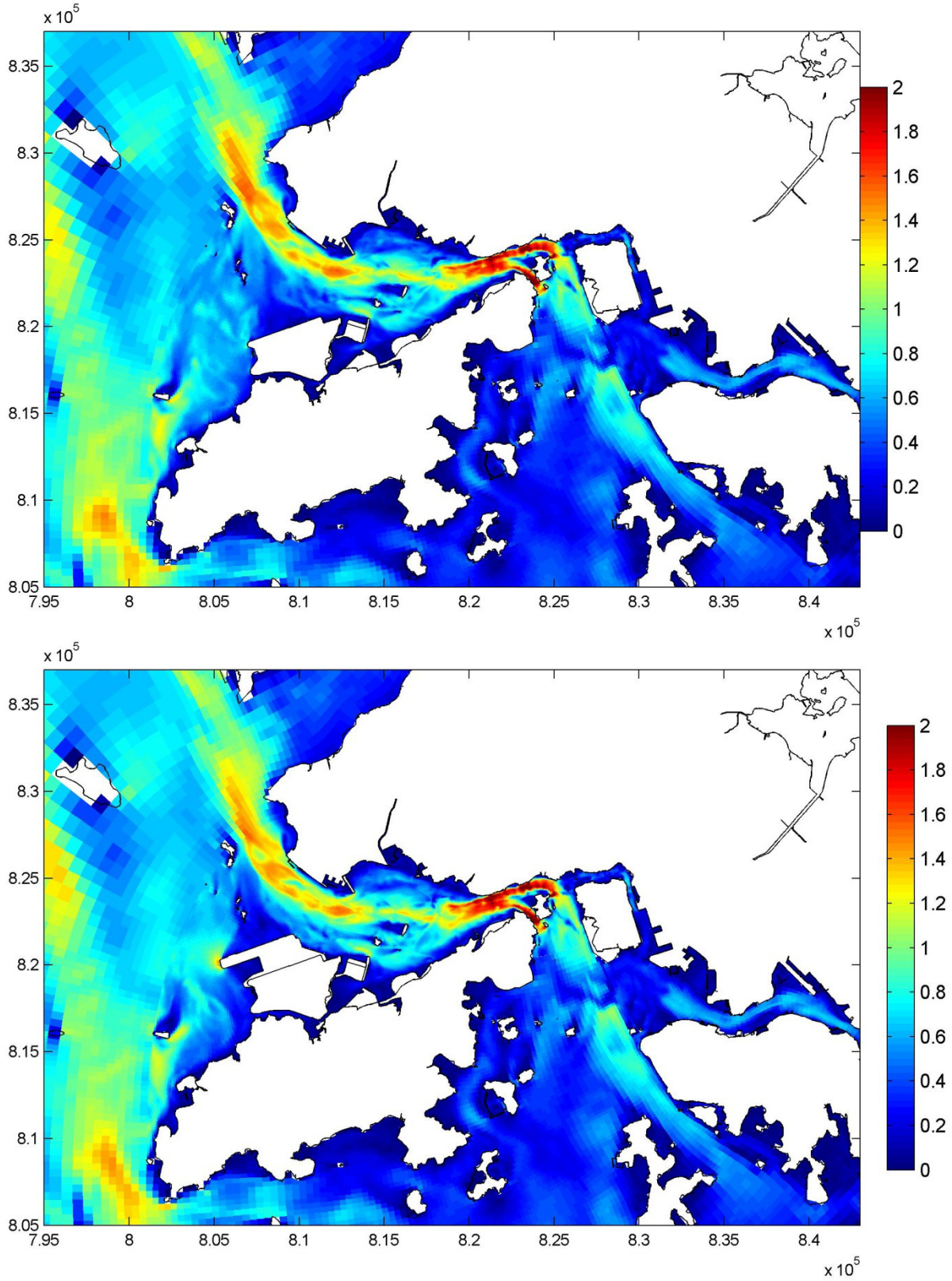
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season flood (middle, Top: without Project, Bottom: with Project)		Figure 11
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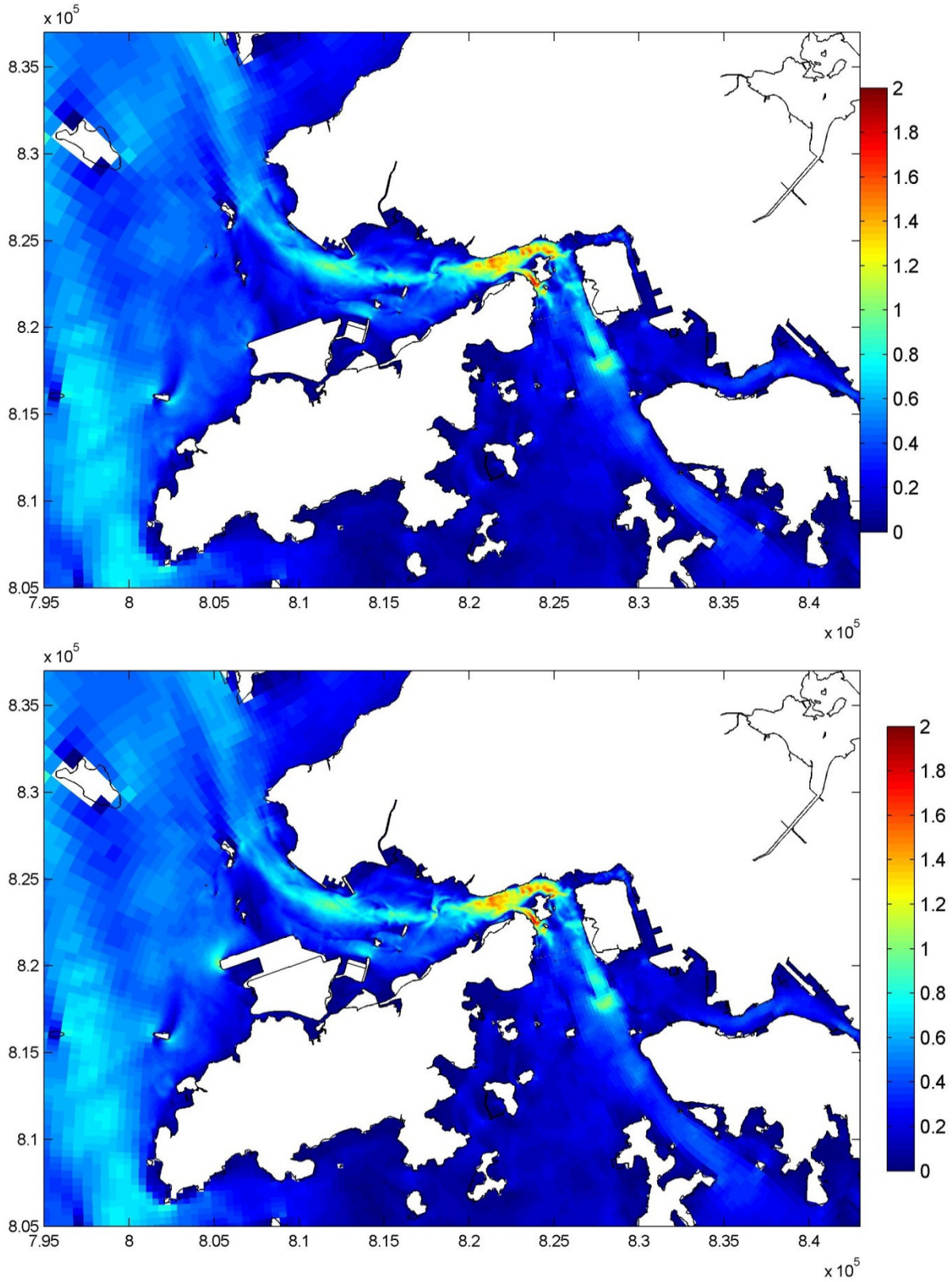
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Plots of horizontal current speed, wet season flood (near bottom, Top: without Project, Bottom: with Project)		Figure 12
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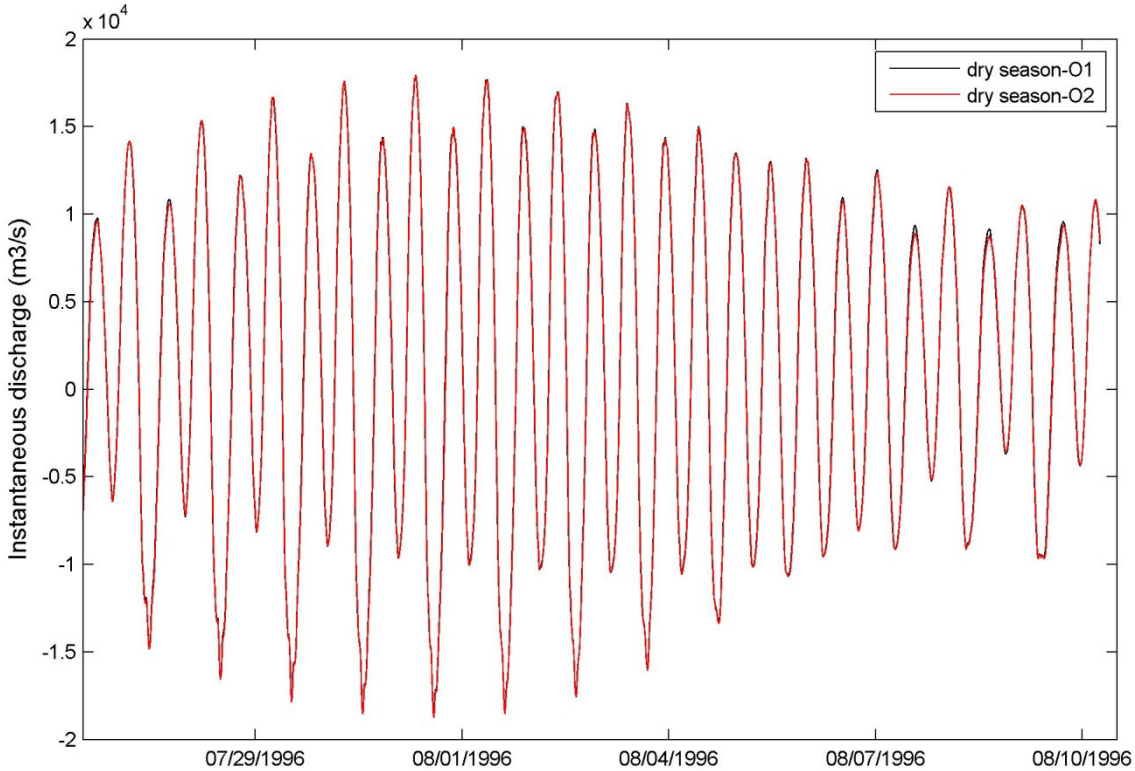
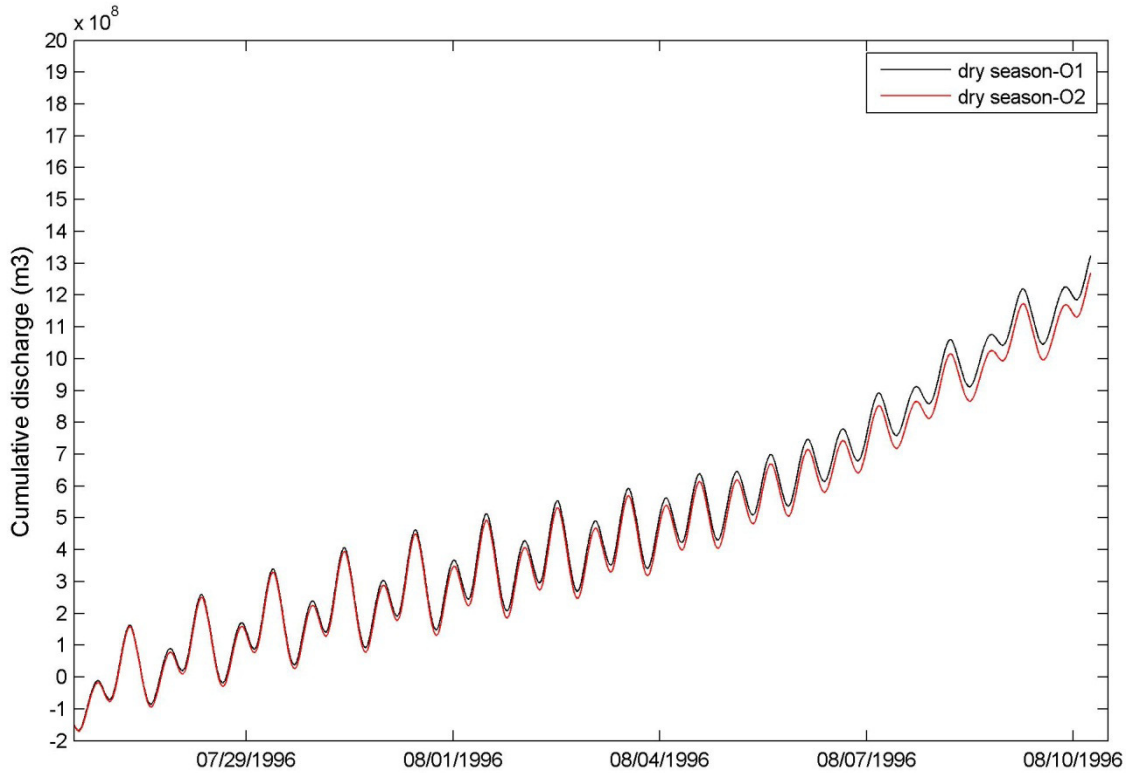
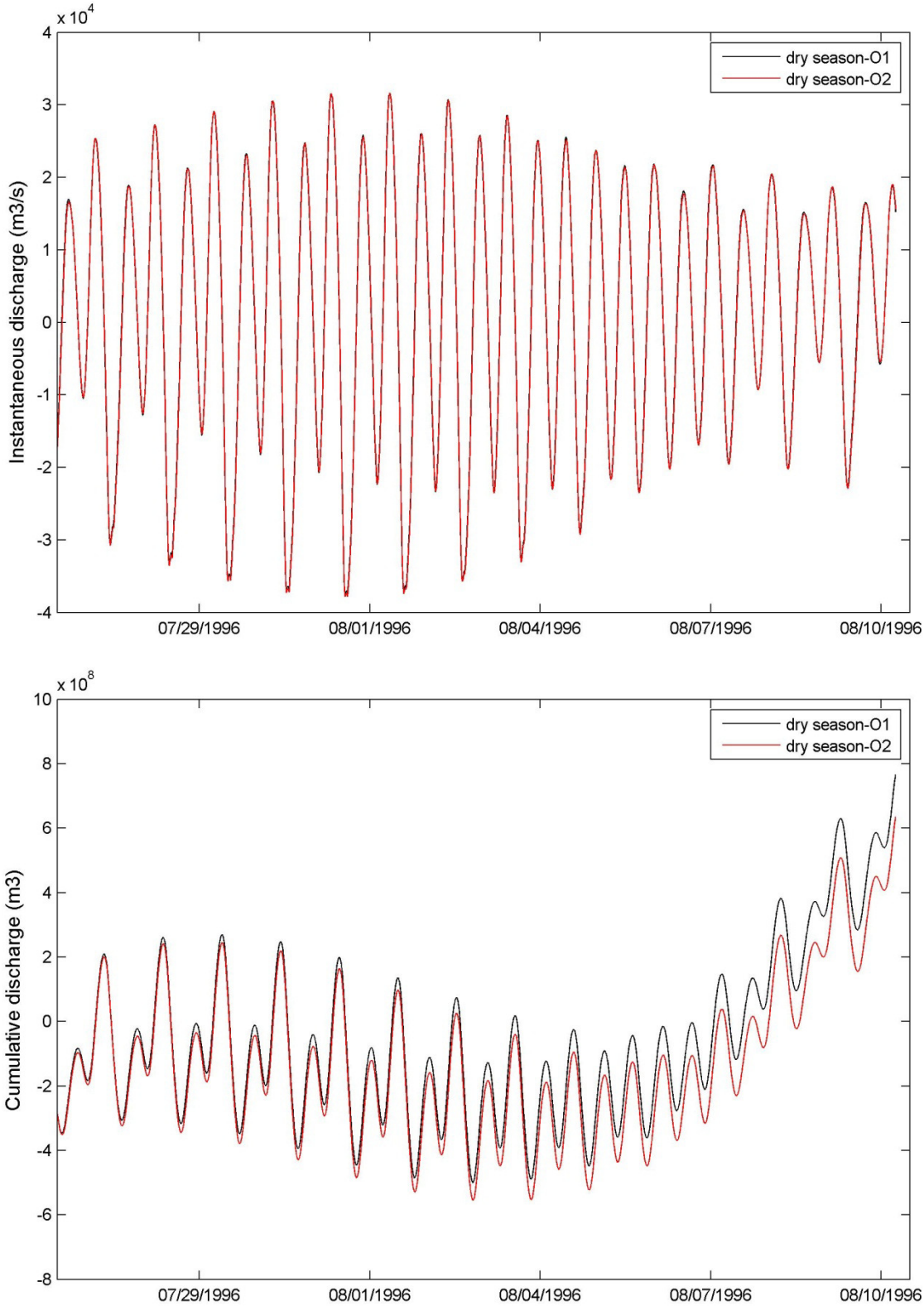
Mott MacDonald Hong Kong Limited		Dec 2013

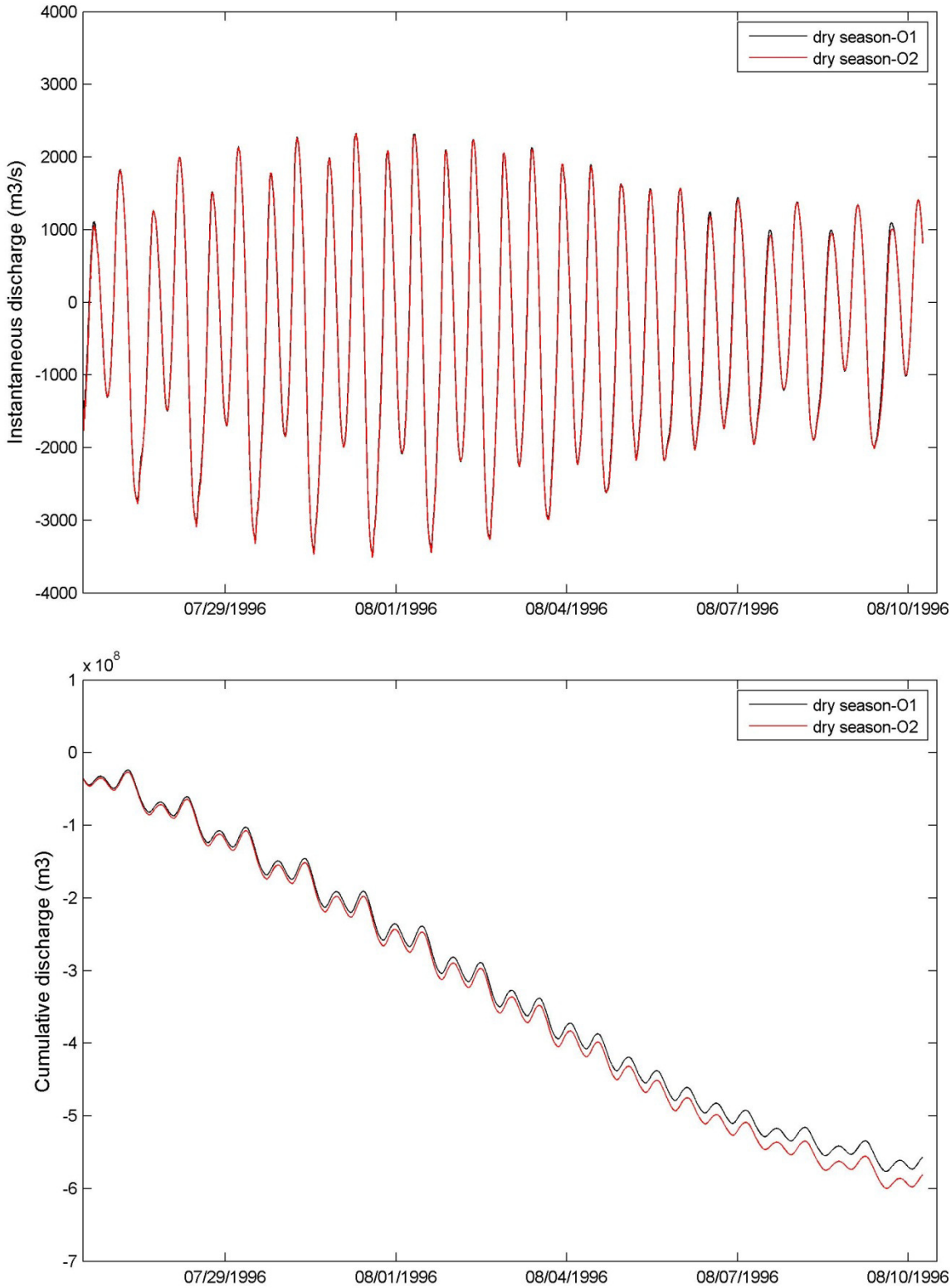




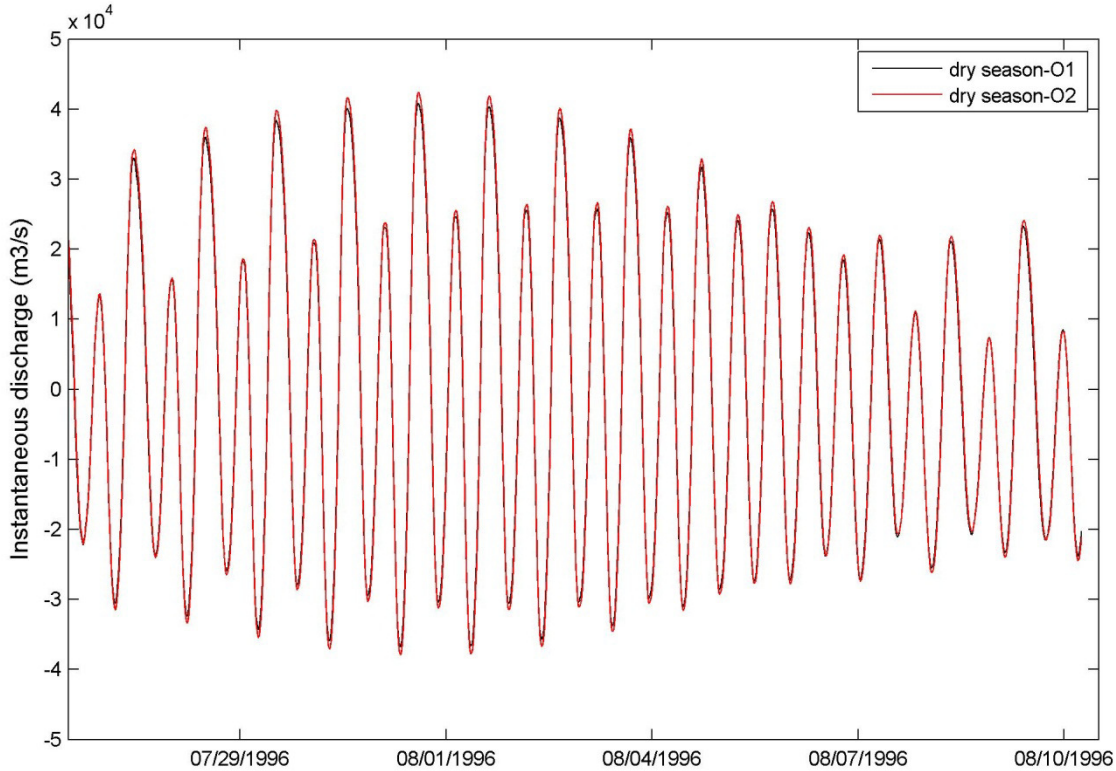
Year 2026, with and without Project Time history of instantaneous and cumulative discharge, dry season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 13
	Kap Shui Mun	
Mott MacDonald Hong Kong Limited		Dec 2013

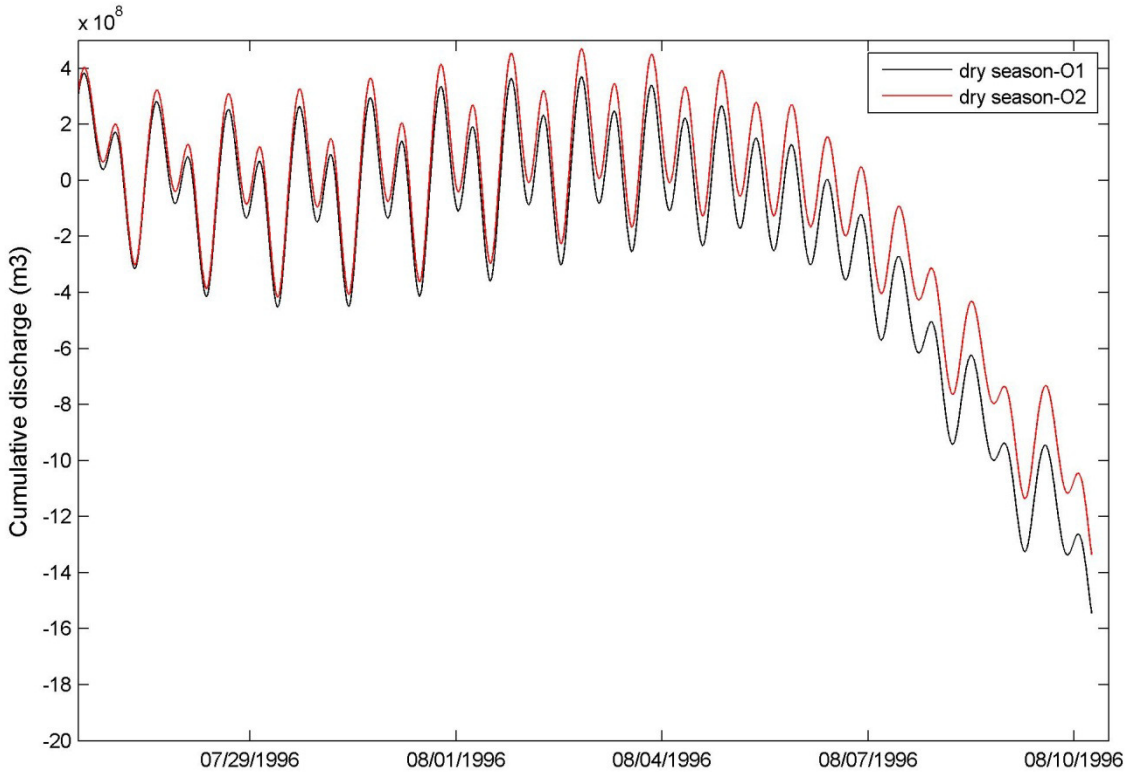


Year 2026, with and without Project Time history of instantaneous and cumulative discharge, dry season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 14
	Ma Wan Channel	
Mott MacDonald Hong Kong Limited		Dec 2013

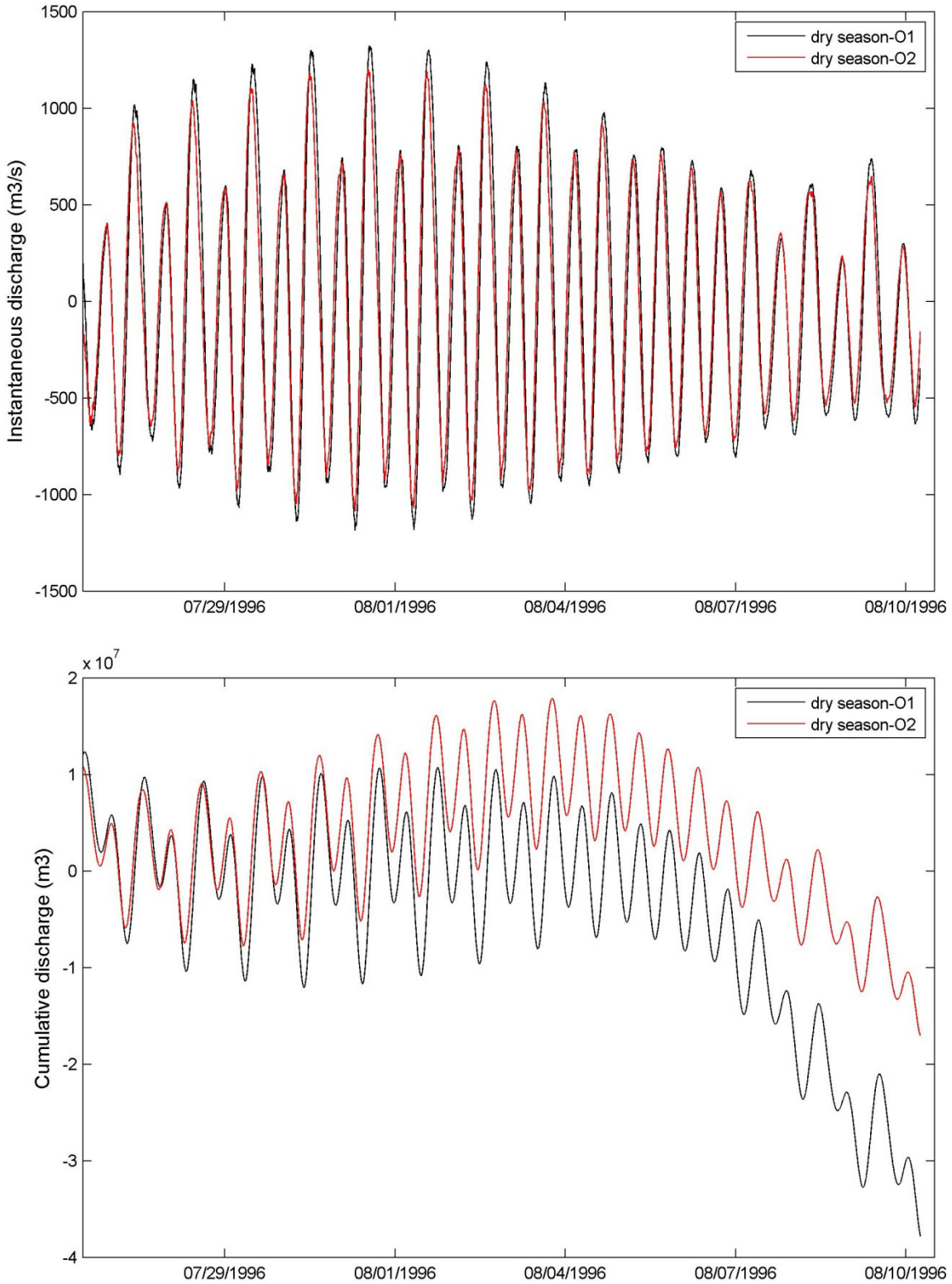


Year 2026, with and without Project Time history of instantaneous and cumulative discharge, dry season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 15
	Rambler Channel	
Mott MacDonald Hong Kong Limited		Dec 2013

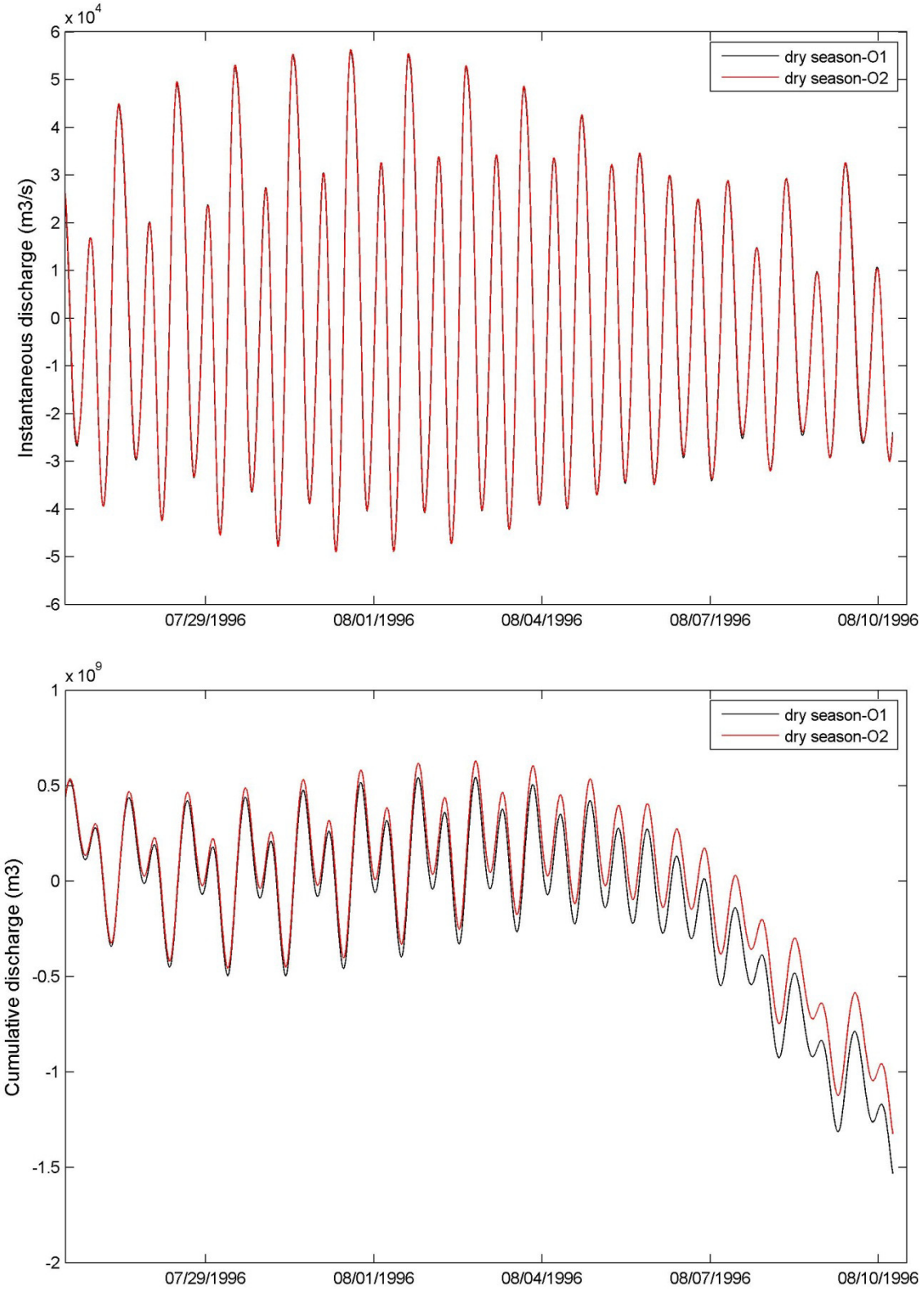




Year 2026, with and without Project Time history of instantaneous and cumulative discharge, dry season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 16
	Sha Chau	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Time history of instantaneous and cumulative discharge, dry season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 17
	Tung Chung	
Mott MacDonald Hong Kong Limited		Dec 2013



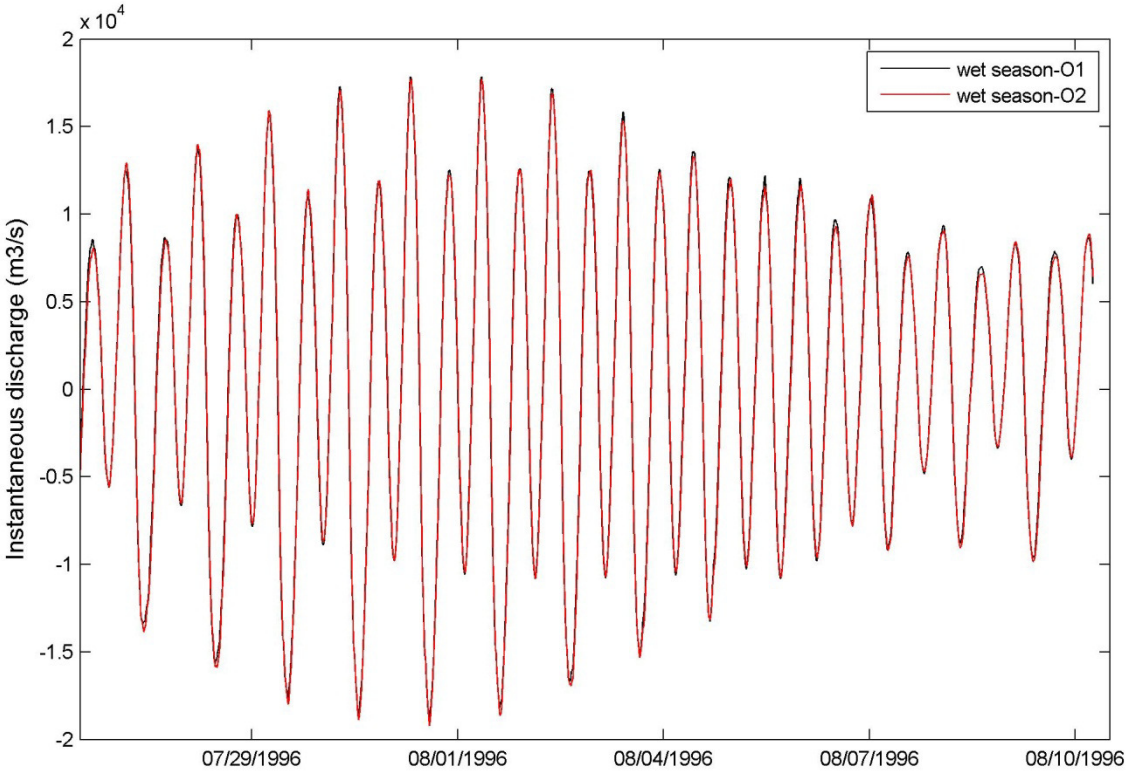
Year 2026, with and without Project
Time history of instantaneous and cumulative discharge, dry season
(Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)

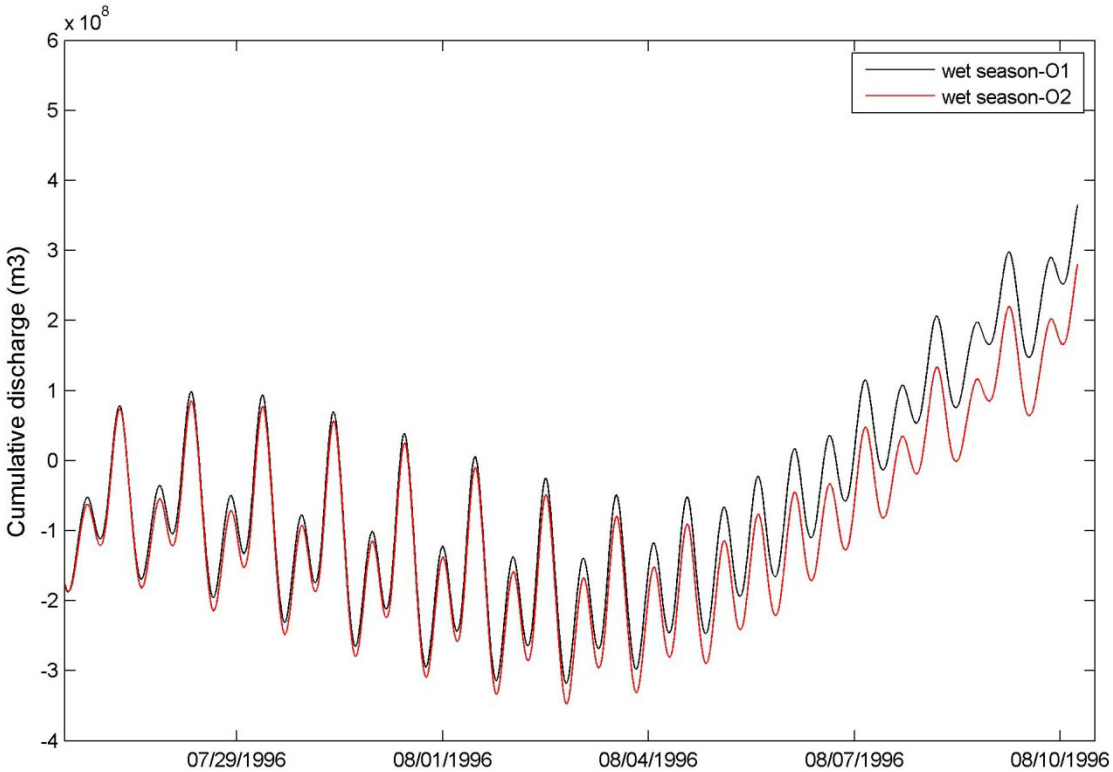
Figure 18

Urmston Road

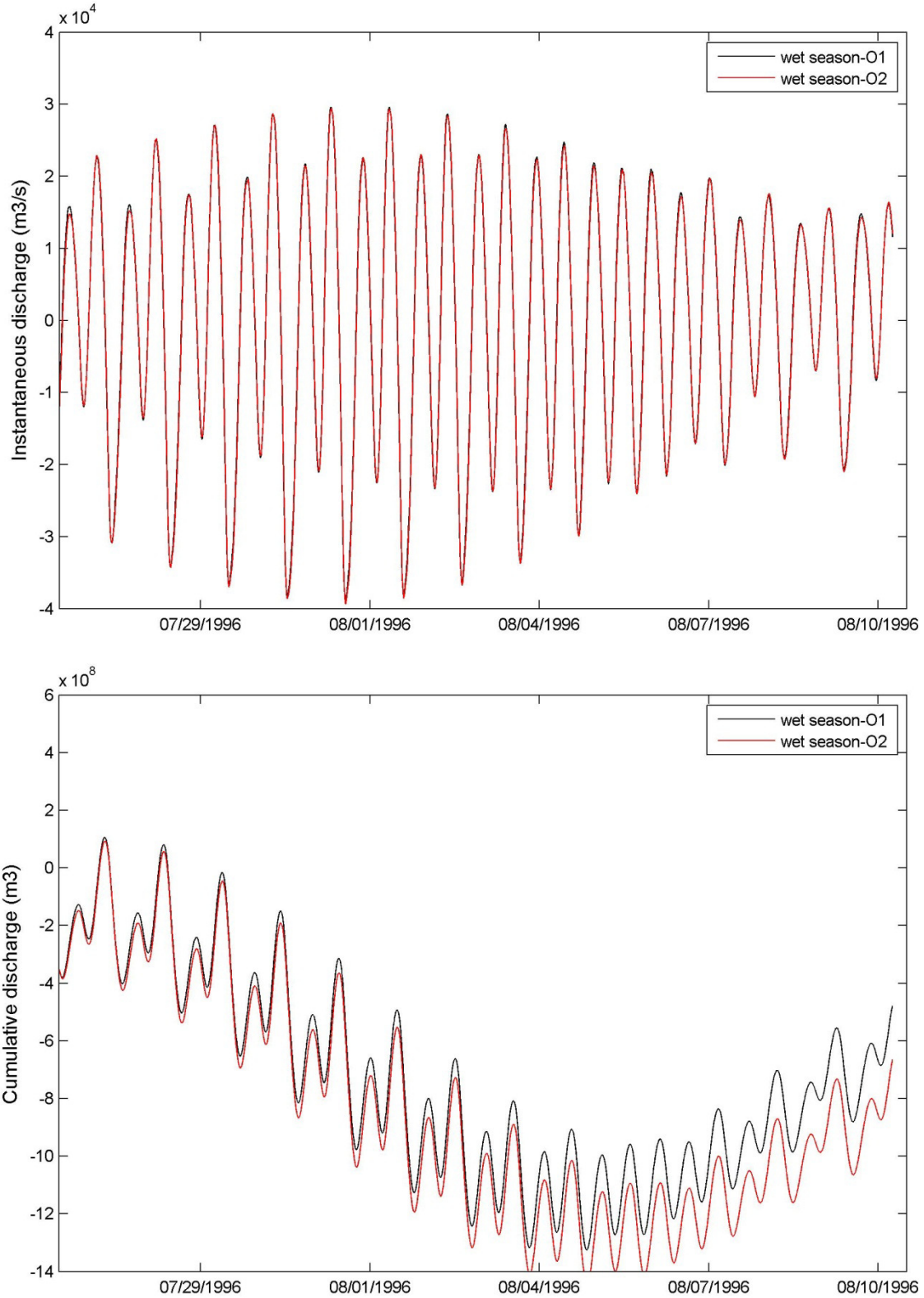
Mott MacDonald Hong Kong Limited

Dec 2013





Year 2026, with and without Project Time history of instantaneous and cumulative discharge, wet season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 19
	Kap Shui Mun	
Mott MacDonald Hong Kong Limited		Dec 2013



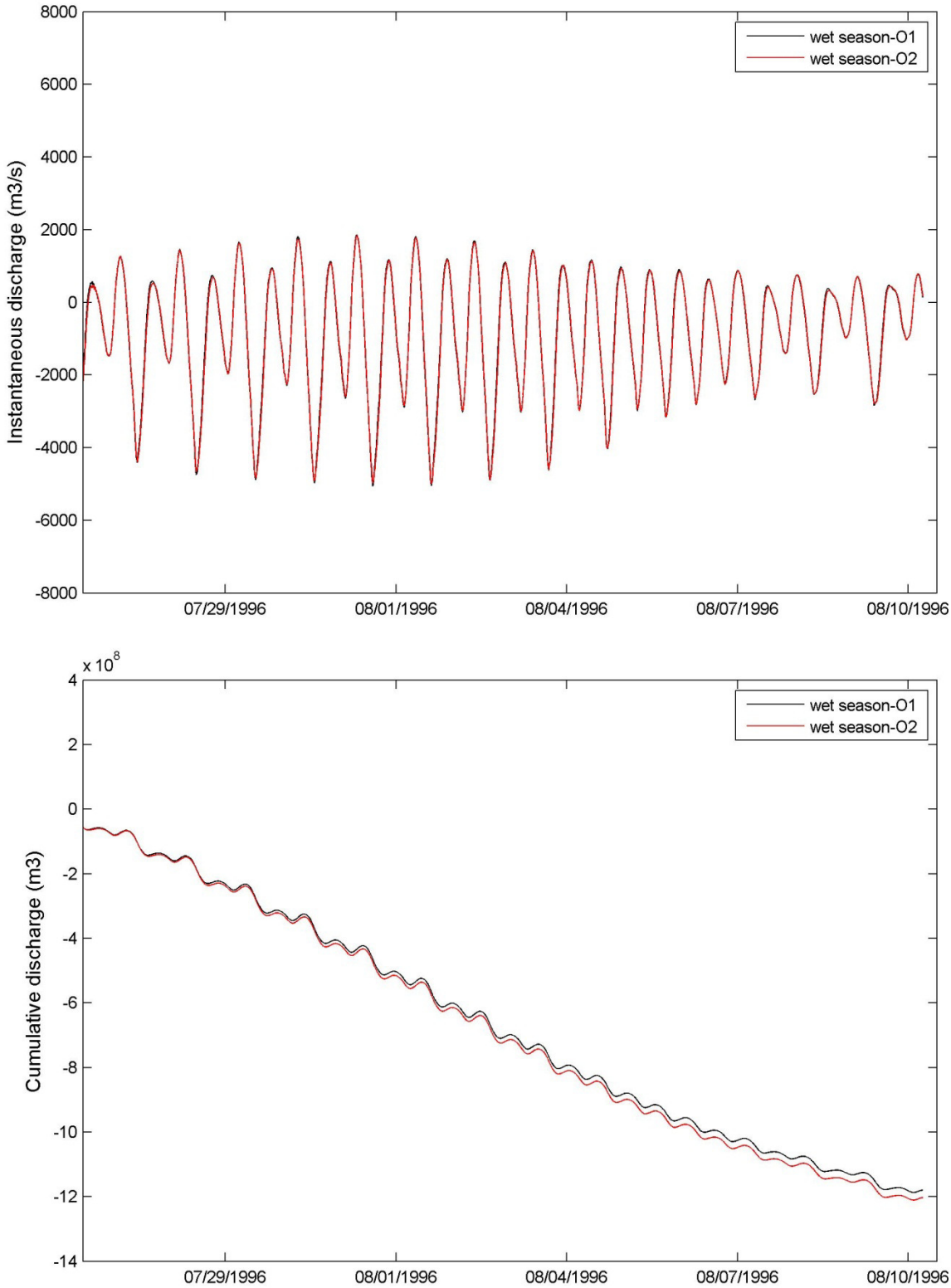
Year 2026, with and without Project
Time history of instantaneous and cumulative discharge, wet season
(Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)

Figure 20

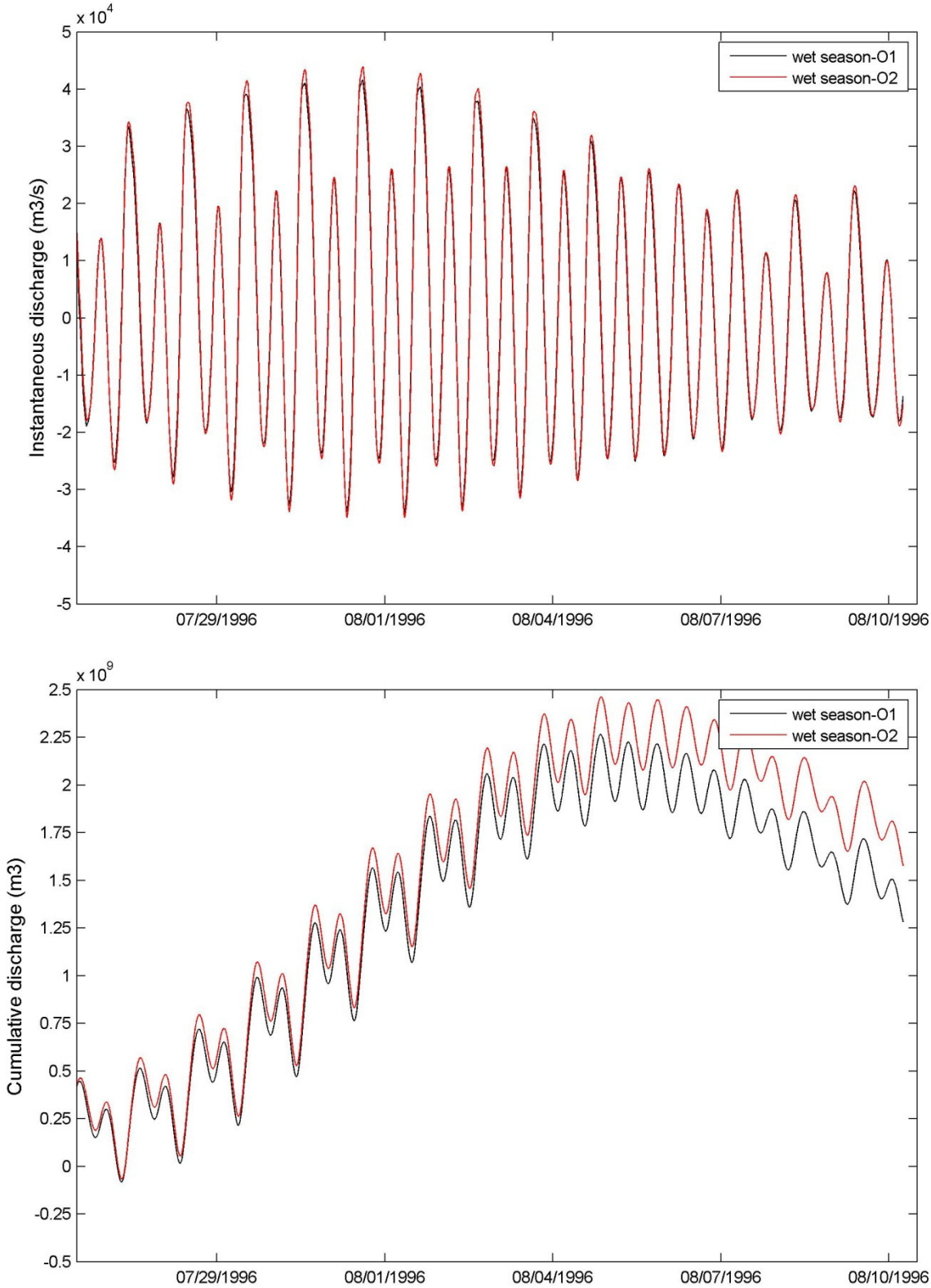
Ma Wan Channel

Mott MacDonald Hong Kong Limited

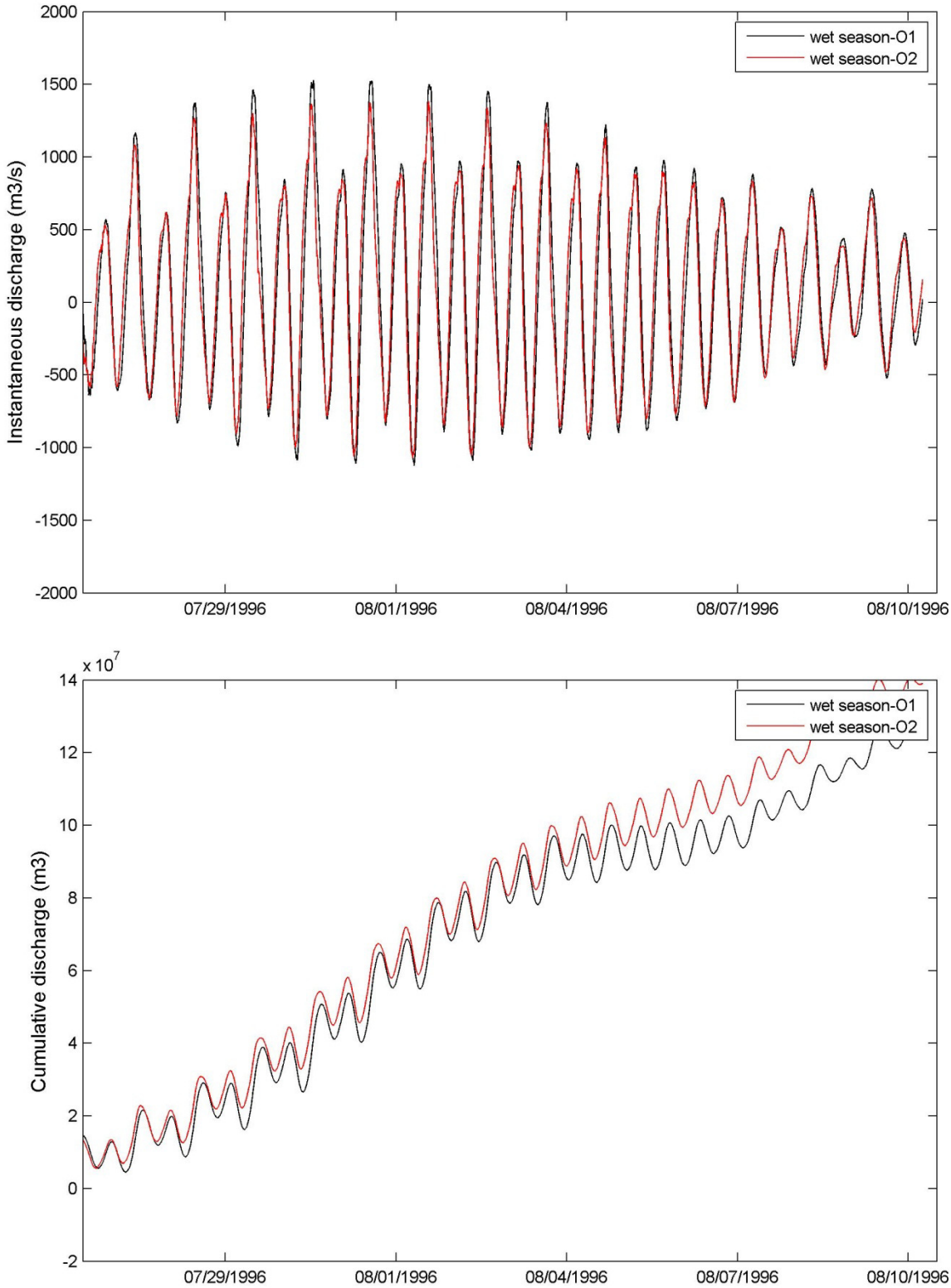
Dec 2013



Year 2026, with and without Project Time history of instantaneous and cumulative discharge, wet season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 21
	Rambler Channel	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Time history of instantaneous and cumulative discharge, wet season (Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)		Figure 22
	Sha Chau	
Mott MacDonald Hong Kong Limited		Dec 2013



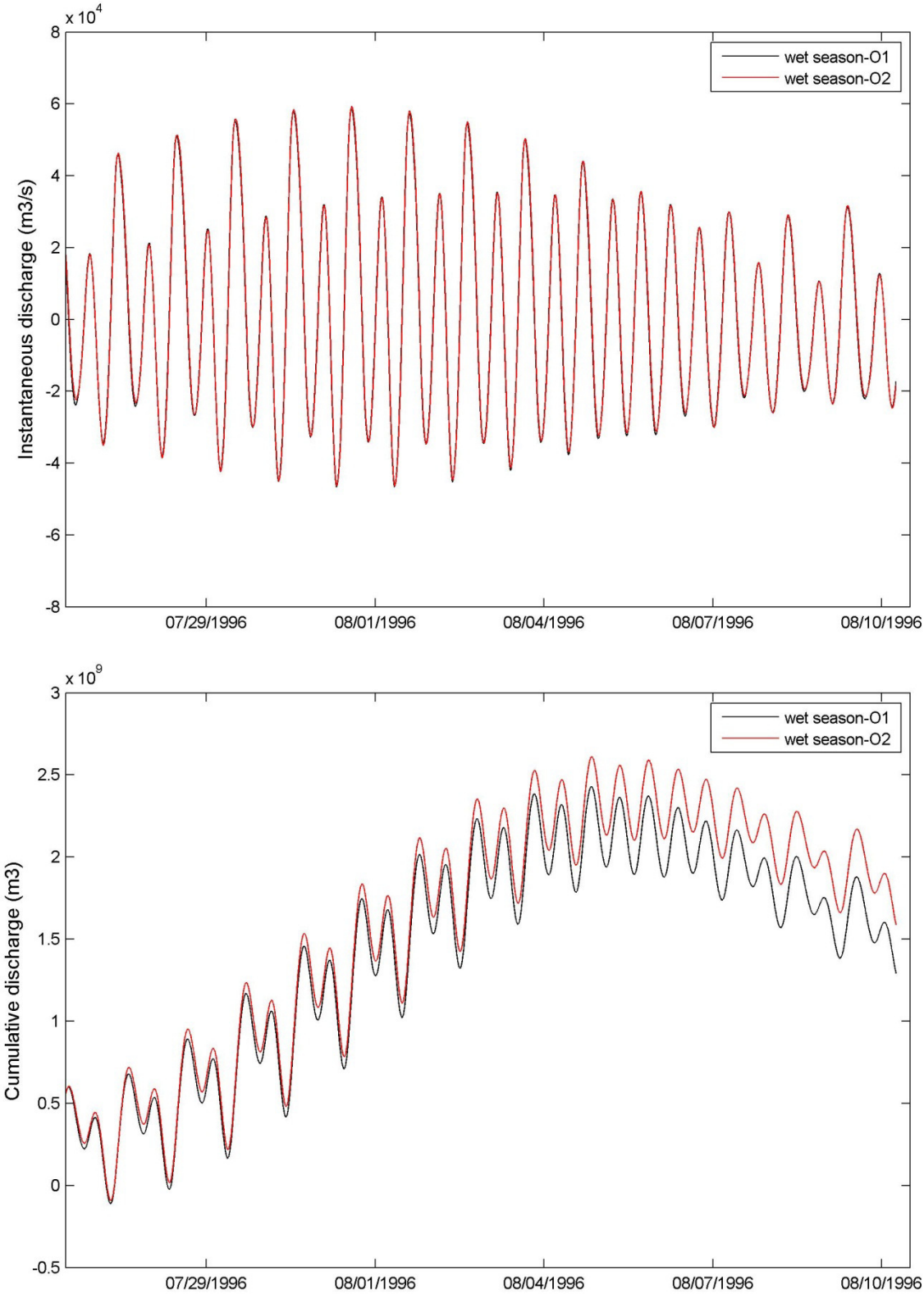
Year 2026, with and without Project
Time history of instantaneous and cumulative discharge, wet season
(Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)

Figure 23

Tung Chung

Mott MacDonald Hong Kong Limited

Dec 2013



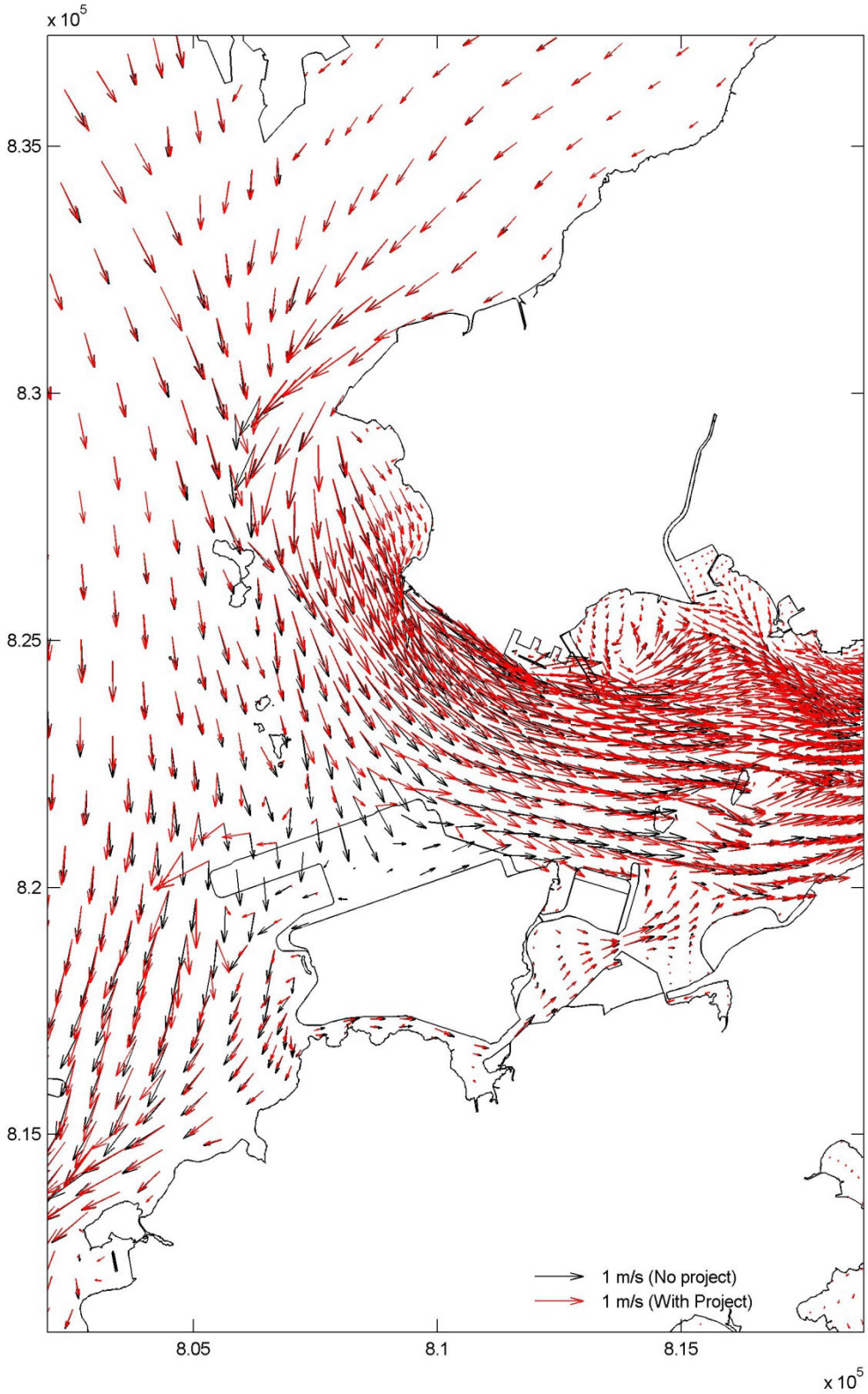
Year 2026, with and without Project
Time history of instantaneous and cumulative discharge, wet season
(Top: instantaneous, Bottom: cumulative, O1: without project, O2: with project)

Figure 24

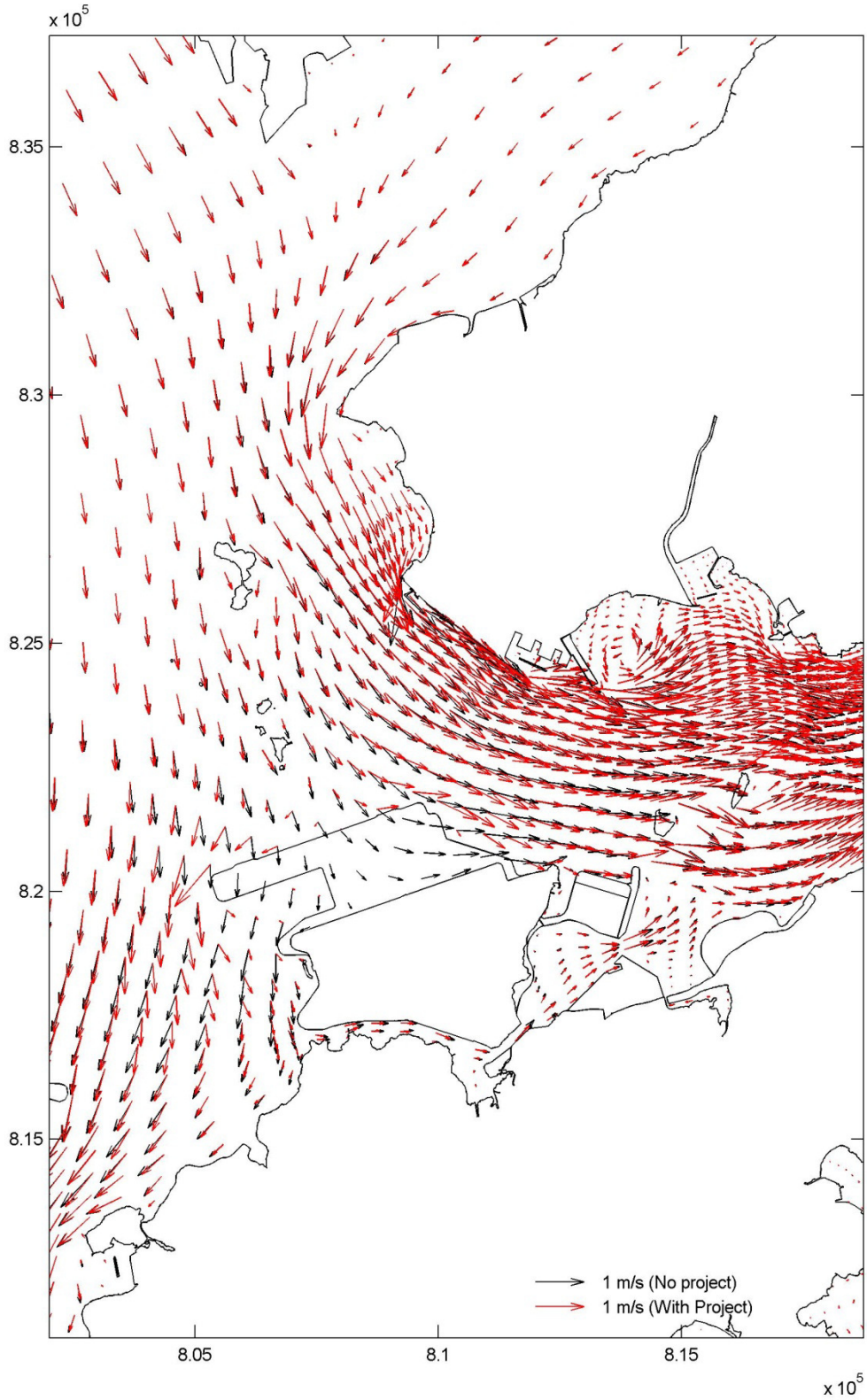
Urmston Road

Mott MacDonald Hong Kong Limited

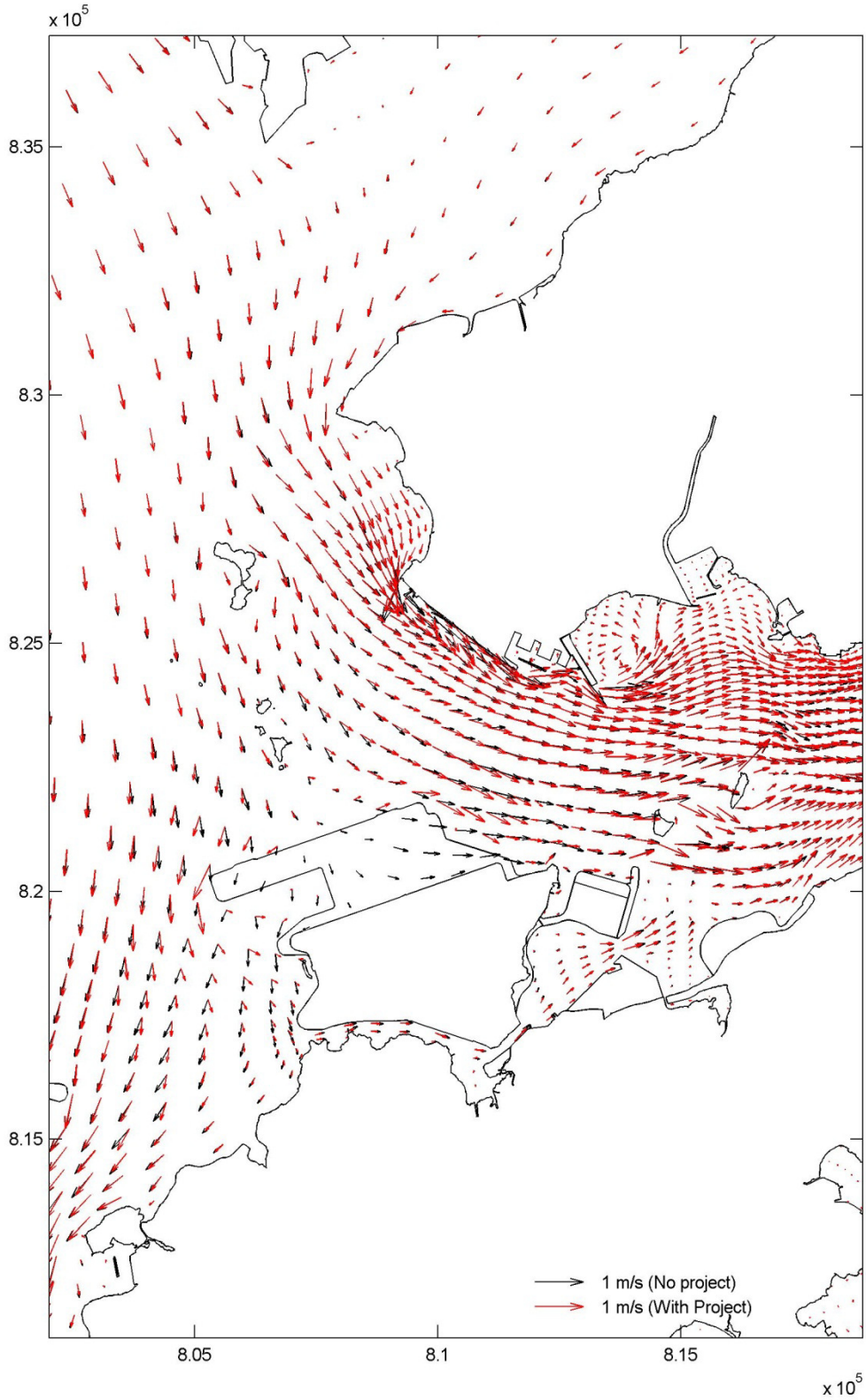
Dec 2013



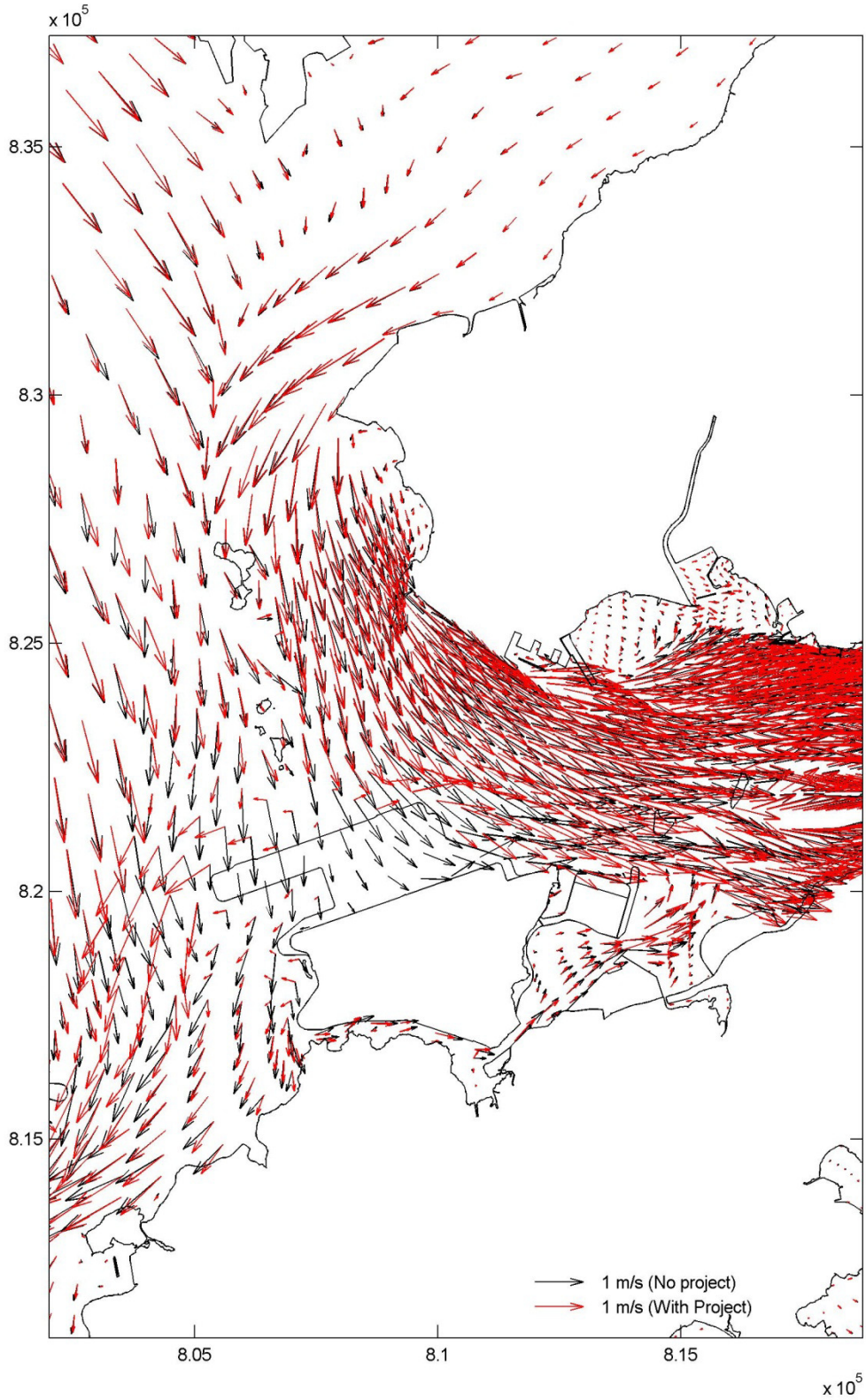
Year 2026, with and without Project Vector plot of horizontal velocity, dry season ebb (near surface, Black: without Project, Red: with Project)		Figure 25
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



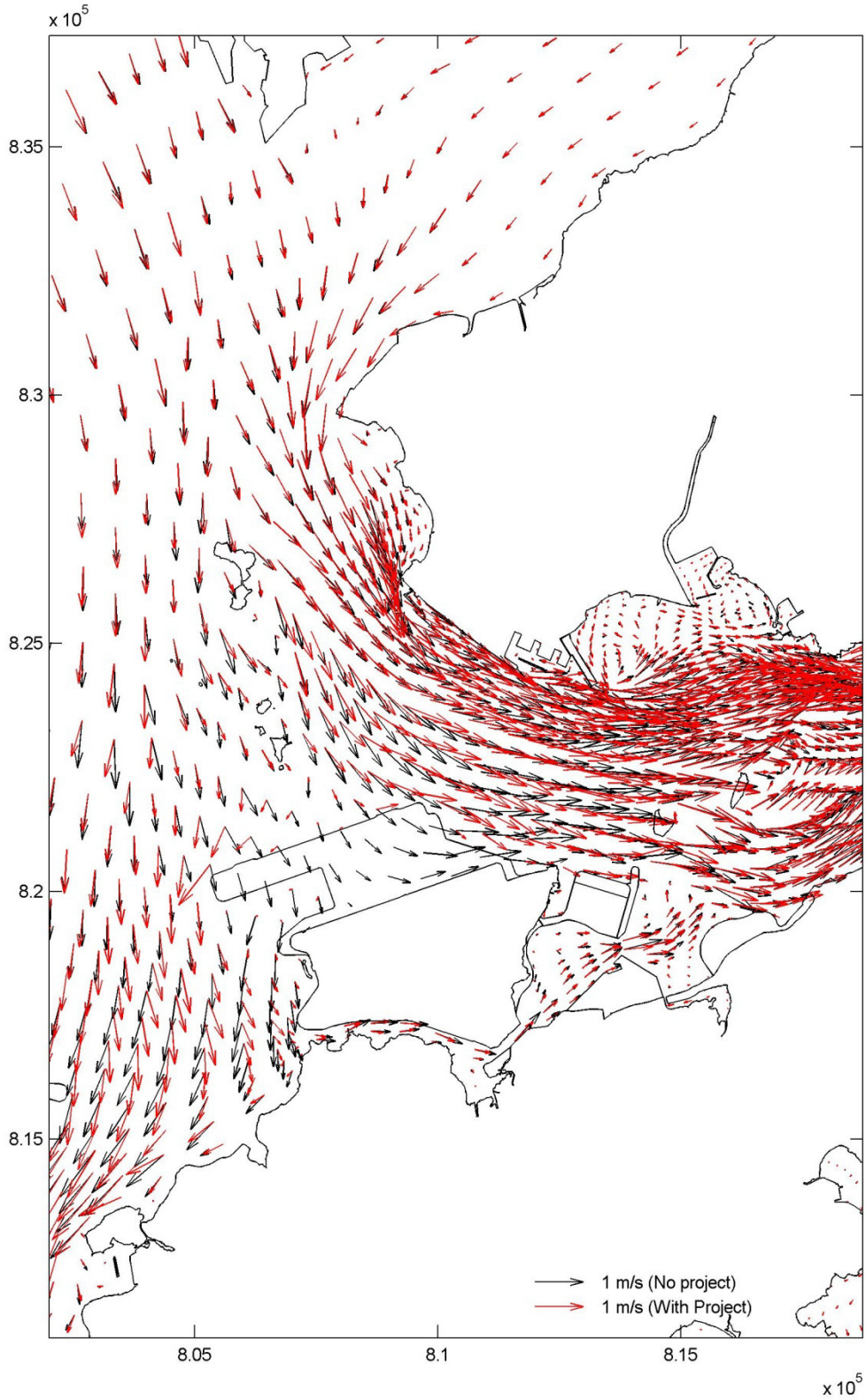
Year 2026, with and without Project Vector plot of horizontal velocity, dry season ebb (middle, Black: without Project, Red: with Project)		Figure 26
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



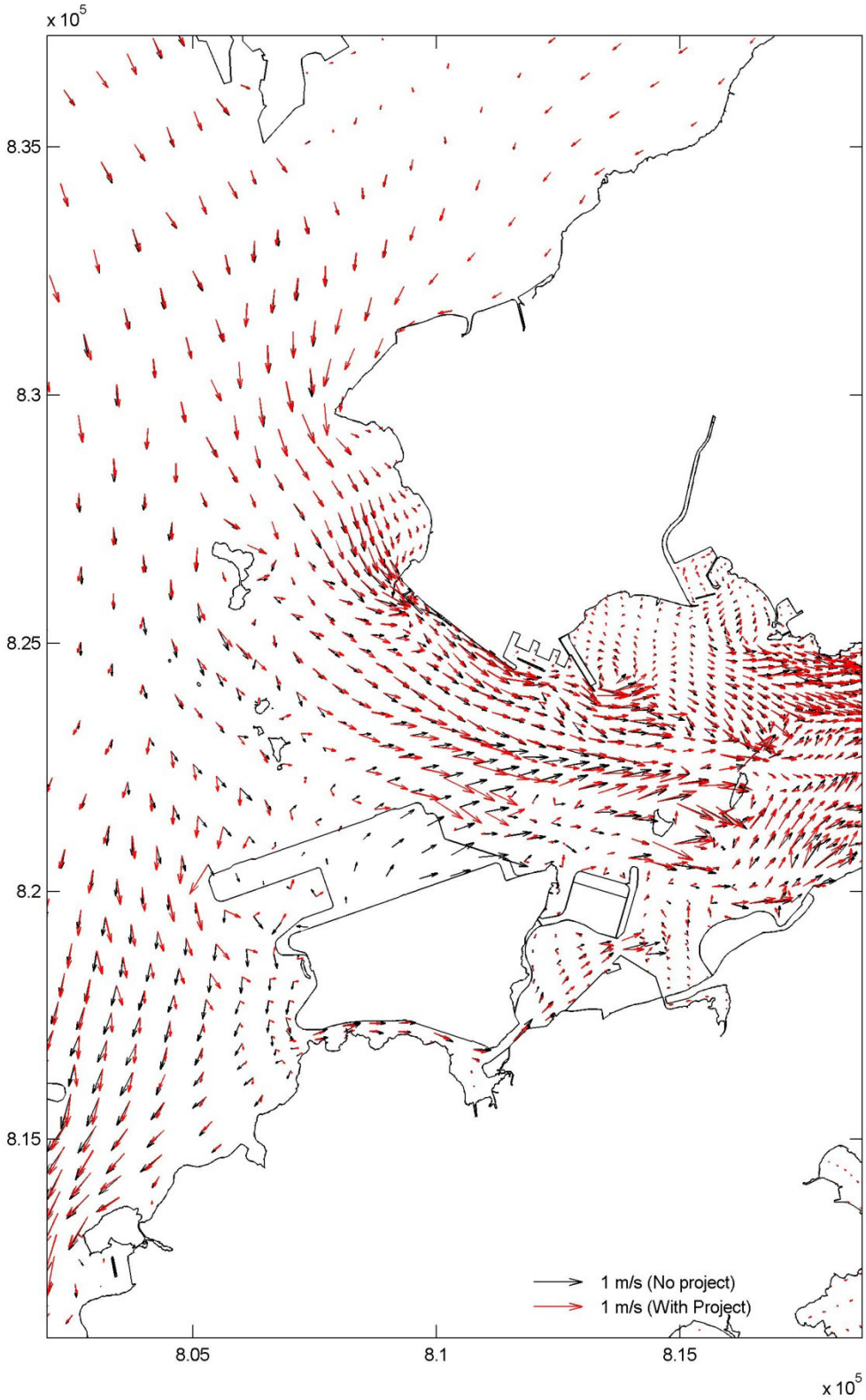
Year 2026, with and without Project Vector plot of horizontal velocity, dry season ebb (near bed, Black: without Project, Red: with Project)		Figure 27
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season ebb (near surface, Black: without Project, Red: with Project)		Figure 28
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season ebb (middle, Black: without Project, Red: with Project)		Figure 29
	31 July 13:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season ebb (near bed, Black: without Project, Red: with Project)		Figure 30
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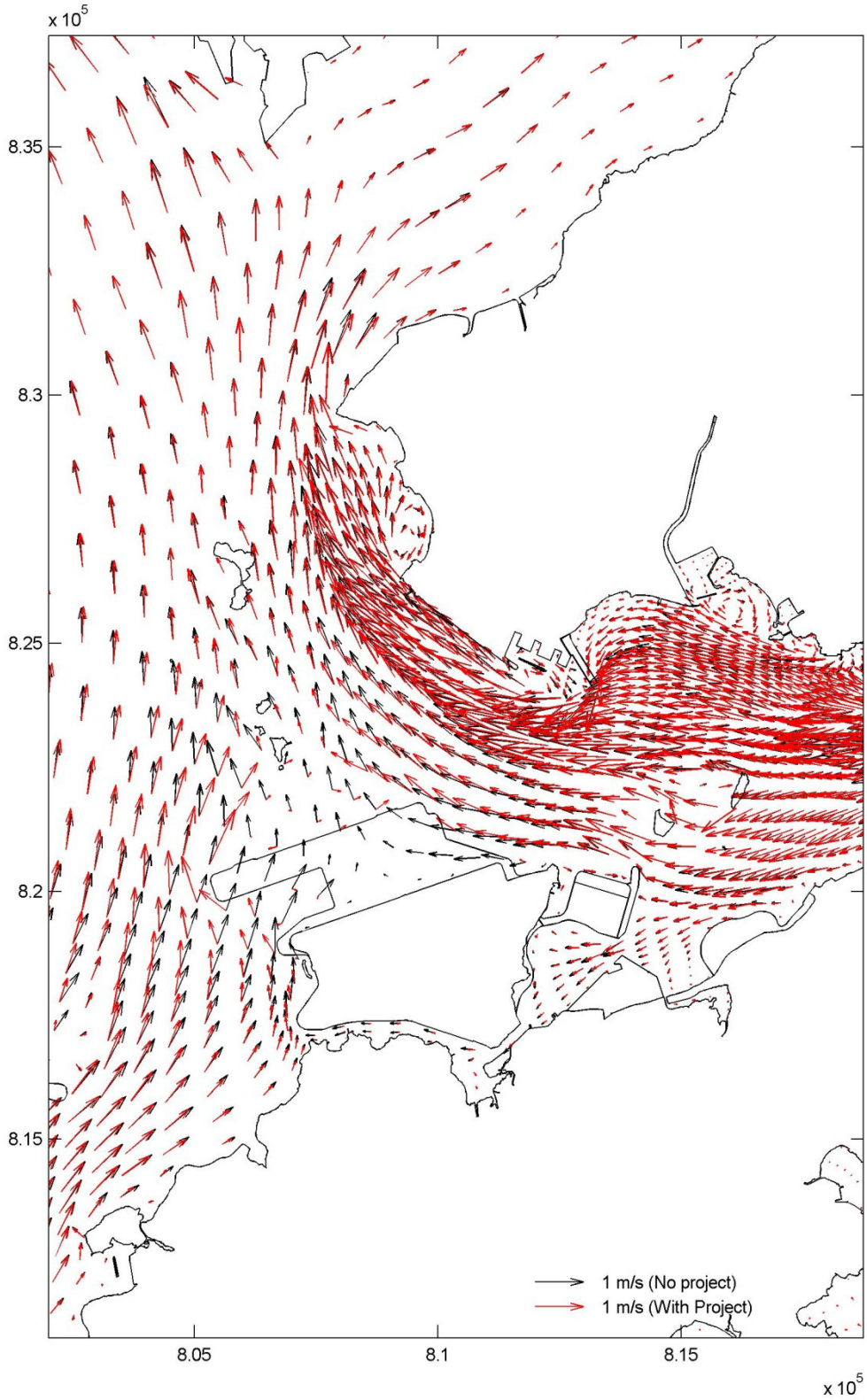
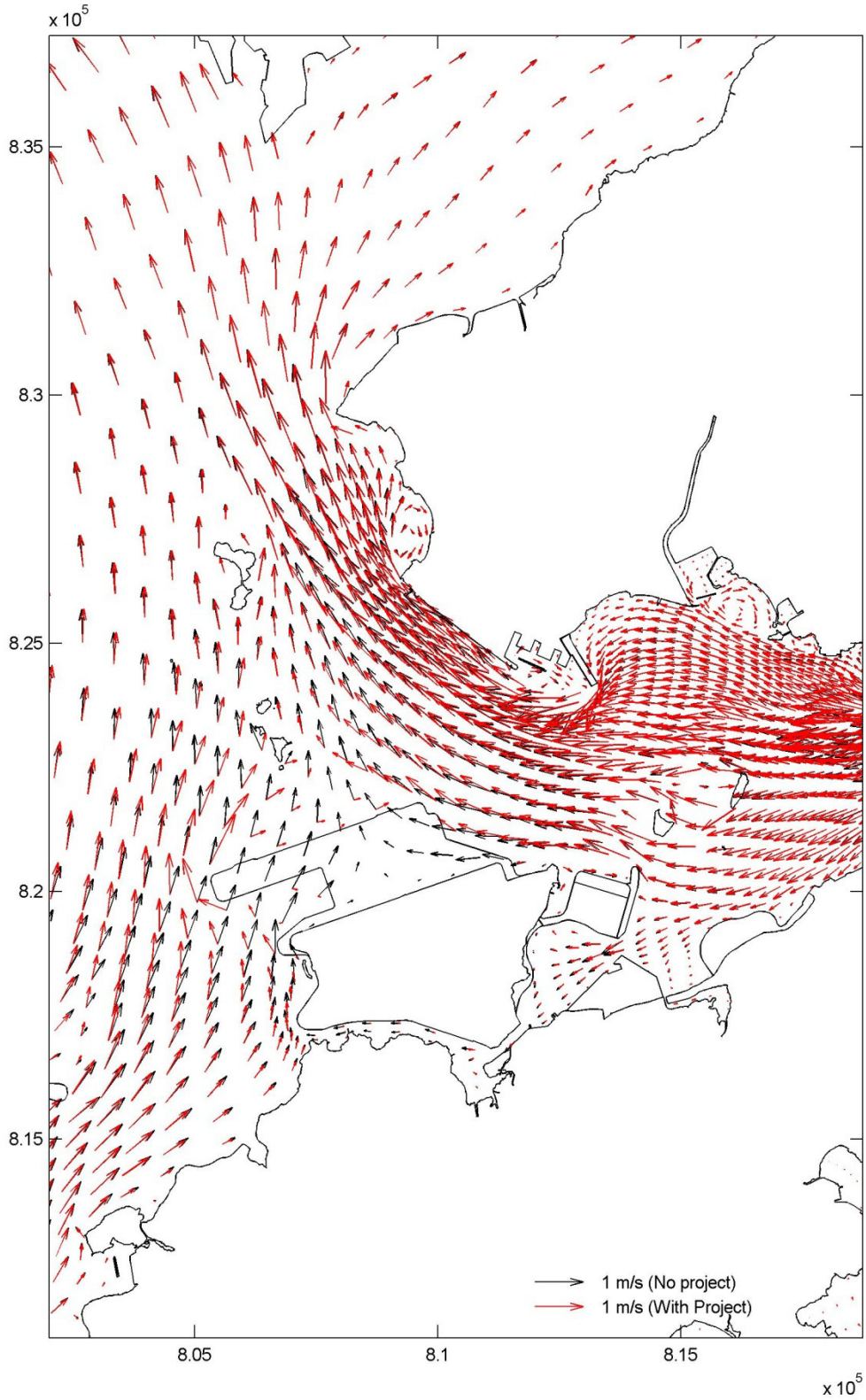
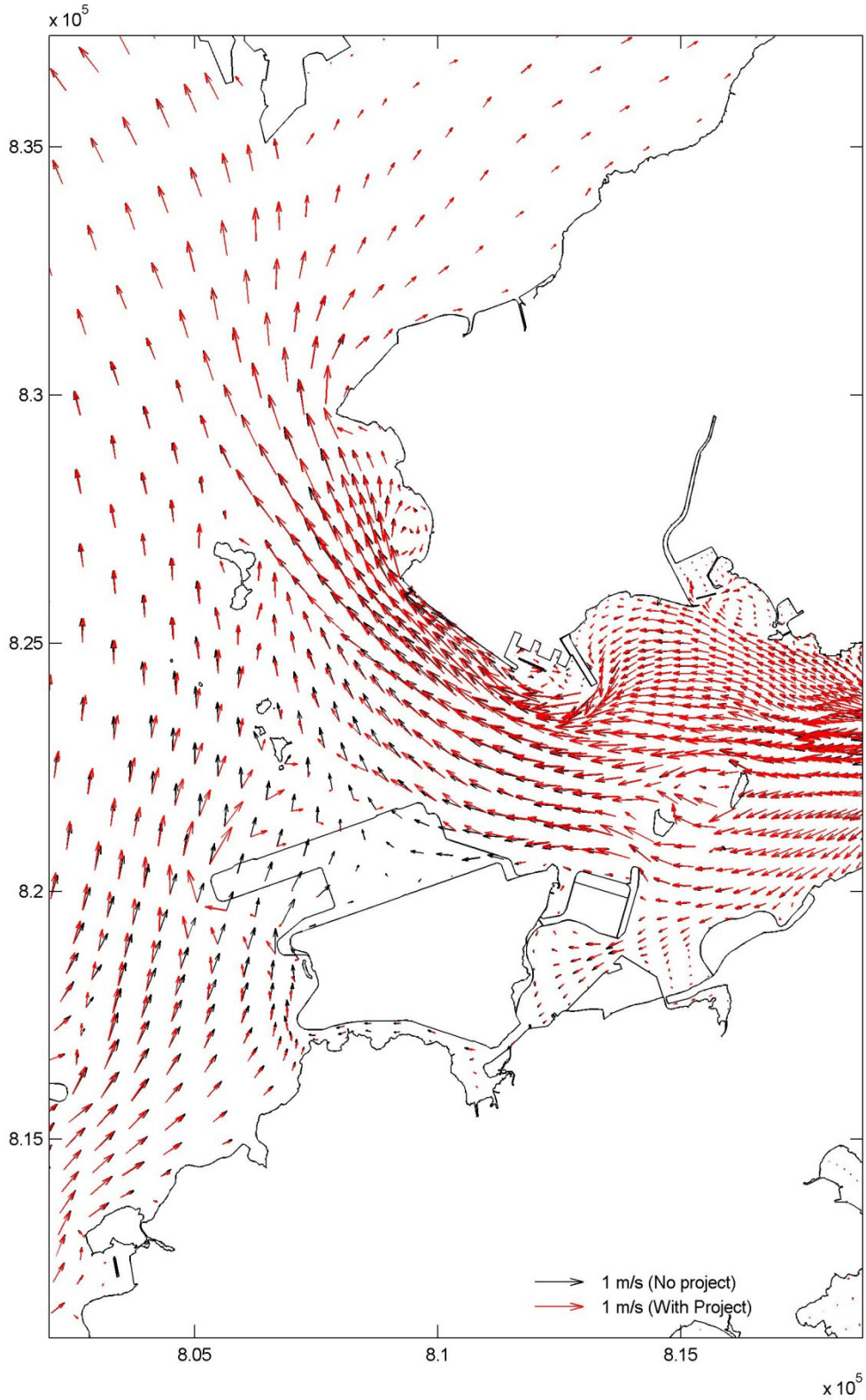
Mott MacDonald Hong Kong Limited		Dec 2013



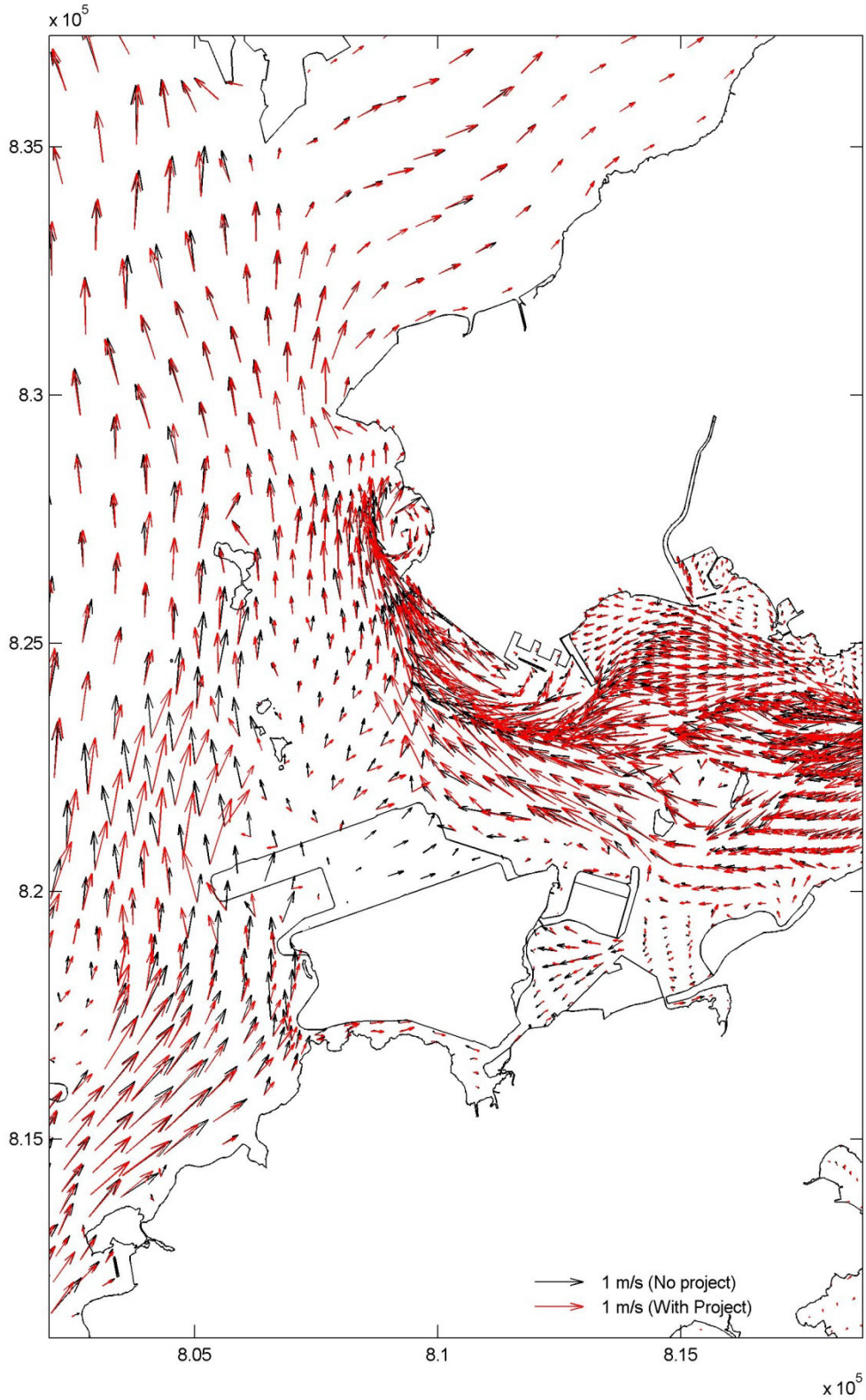
Year 2026, with and without Project Vector plot of horizontal velocity, dry season flood (near surface, Black: without Project, Red: with Project)		Figure 31
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013



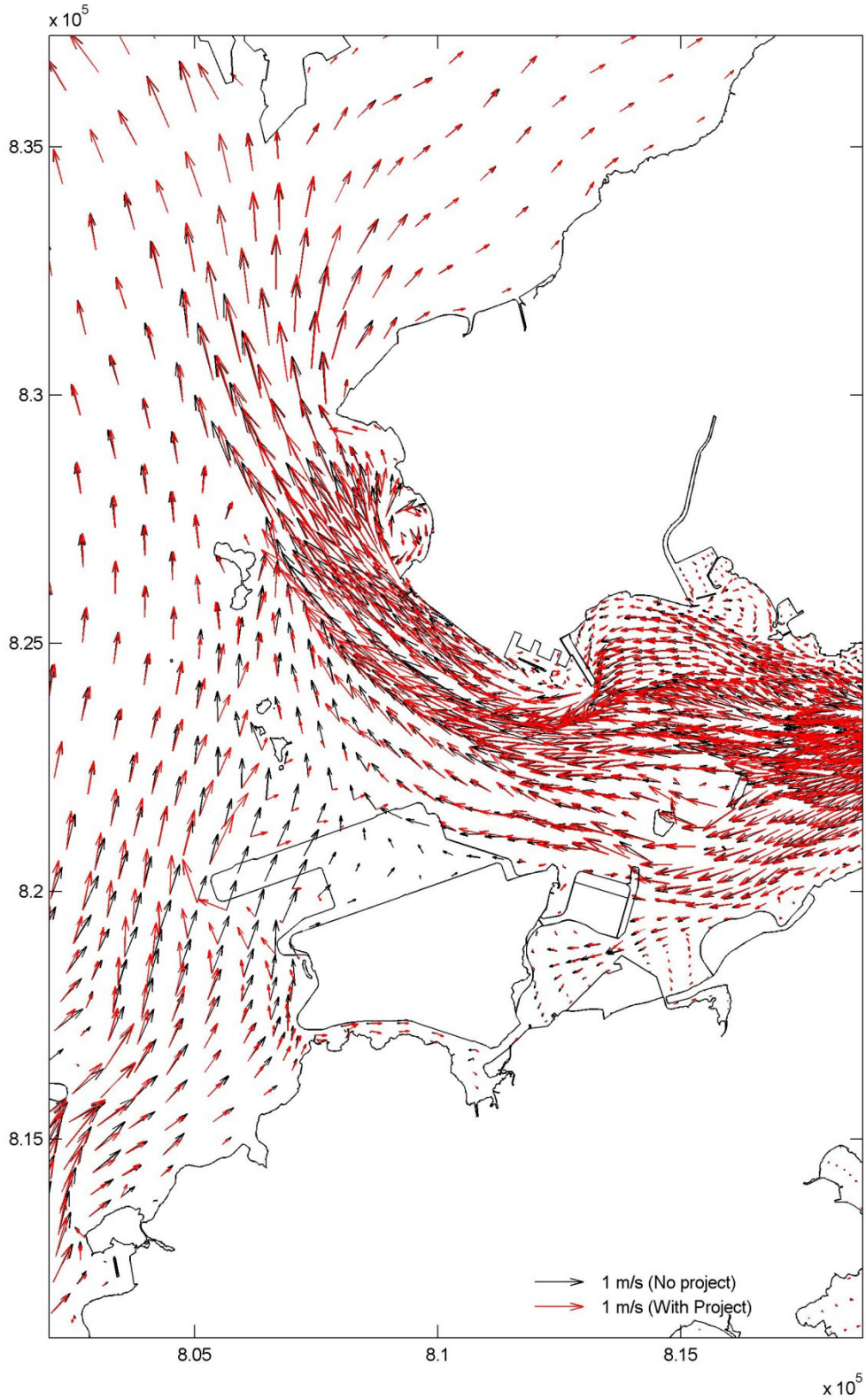
Year 2026, with and without Project Vector plot of horizontal velocity, dry season flood (middle, Black: without Project, Red: with Project)		Figure 32
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013



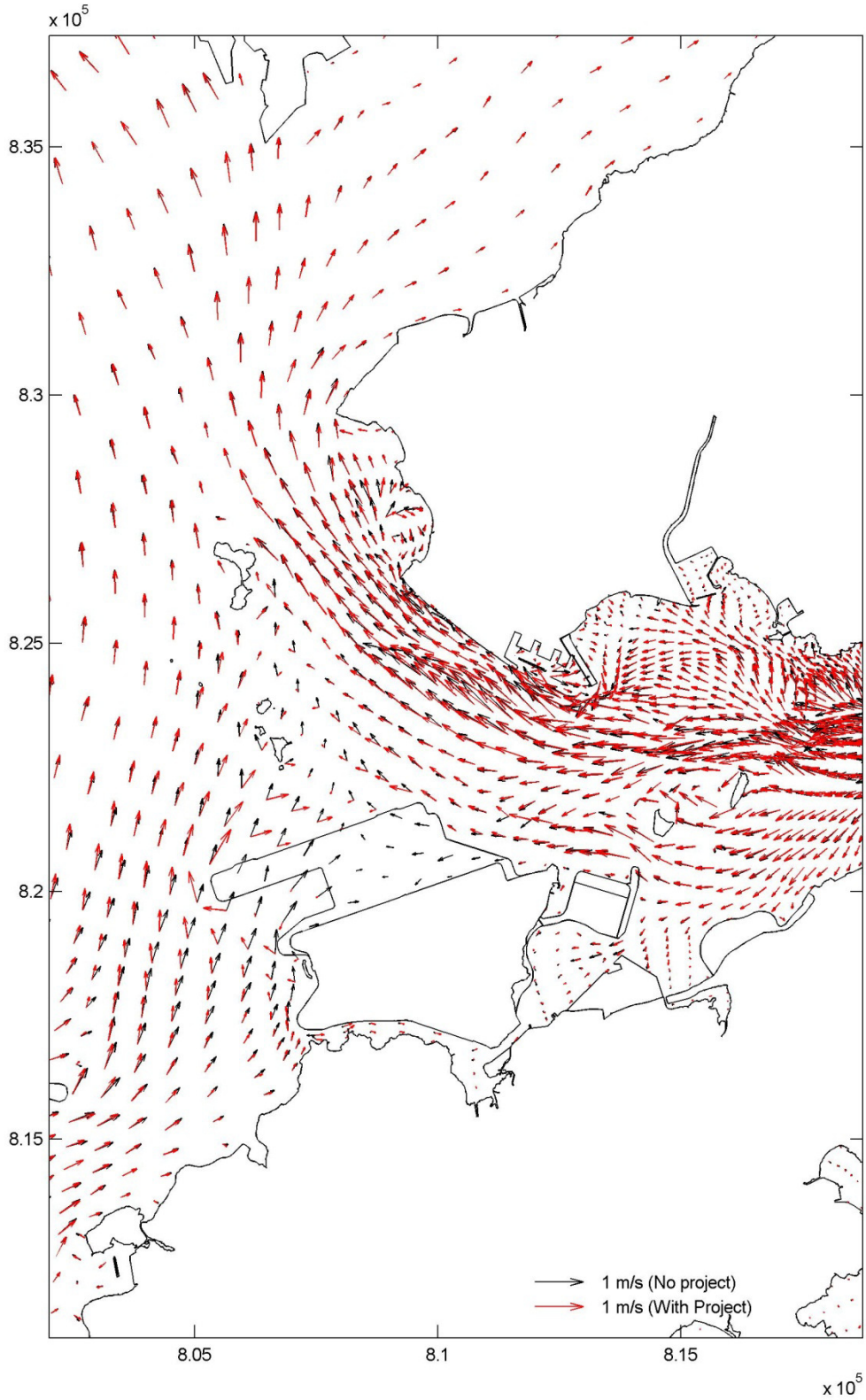
Year 2026, with and without Project Vector plot of horizontal velocity, dry season flood (near bed, Black: without Project, Red: with Project)		Figure 33
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season flood (near surface, Black: without Project, Red: with Project)		Figure 34
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season flood (middle, Black: without Project, Red: with Project)		Figure 35
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013



Year 2026, with and without Project Vector plot of horizontal velocity, wet season flood (near bed, Black: without Project, Red: with Project)		Figure 36
	31 July 08:00	
Mott MacDonald Hong Kong Limited		Dec 2013

Surface layer velocity of operational phase

		2026 without project (m/s)						2026 with project (m/s)					
				Wet			Dry			Wet			Dry
WSR	Criteria	Max	Min	Average	Max	Min	Average	Max	Min	Average	Max	Min	Average
B1	N/A	0.395	0.002	0.106	0.256	0.005	0.077	0.522	0.001	0.106	0.276	0.003	0.078
B2	N/A	0.174	0.002	0.043	0.175	0.001	0.058	0.174	0.002	0.043	0.157	0.002	0.058
B3	N/A	0.459	0.001	0.085	0.138	0.002	0.056	0.314	0.001	0.087	0.138	0.002	0.057
B4	N/A	0.750	0.002	0.211	0.624	0.001	0.226	0.792	0.002	0.209	0.623	0.002	0.227
B5	N/A	0.431	0.001	0.081	0.169	0.005	0.068	0.485	0.000	0.080	0.168	0.006	0.068
B6	N/A	0.493	0.007	0.094	0.158	0.002	0.077	0.468	0.005	0.090	0.161	0.000	0.077
B7	N/A	0.684	0.001	0.164	0.484	0.001	0.134	0.785	0.001	0.161	0.467	0.001	0.129
B8	N/A	0.684	0.001	0.164	0.484	0.001	0.134	0.785	0.001	0.161	0.467	0.001	0.129
B9	N/A	1.129	0.002	0.281	0.400	0.000	0.117	1.042	0.002	0.282	0.433	0.002	0.123
B10	N/A	0.379	0.002	0.075	0.282	0.002	0.082	0.443	0.003	0.077	0.282	0.001	0.083
B11	N/A	0.935	0.011	0.155	0.363	0.000	0.096	0.949	0.006	0.152	0.374	0.001	0.098
B12	N/A	0.708	0.000	0.073	0.164	0.000	0.051	0.736	0.001	0.074	0.165	0.000	0.052
B13	N/A	0.911	0.001	0.225	0.483	0.003	0.165	0.859	0.004	0.216	0.487	0.001	0.163
C1	N/A	1.113	0.005	0.334	0.879	0.002	0.361	1.113	0.005	0.334	0.853	0.003	0.354
C2	N/A	1.209	0.005	0.528	1.115	0.003	0.380	1.217	0.007	0.522	1.104	0.004	0.376
C3	N/A	0.211	0.006	0.077	0.145	0.001	0.047	0.219	0.005	0.078	0.149	0.000	0.046
C4	N/A	0.957	0.001	0.260	0.690	0.001	0.166	0.914	0.001	0.258	0.735	0.001	0.170
C5	N/A	0.314	0.001	0.087	0.185	0.001	0.068	0.319	0.001	0.093	0.215	0.000	0.070
C6	N/A	0.279	0.000	0.085	0.187	0.000	0.054	0.258	0.001	0.079	0.146	0.000	0.051
C7a	N/A	0.272	0.000	0.064	0.226	0.000	0.076	0.273	0.001	0.054	0.174	0.001	0.042
C7b	N/A	0.686	0.009	0.310	0.457	0.002	0.174	0.870	0.009	0.366	0.566	0.002	0.209
C8	N/A	0.321	0.001	0.087	0.188	0.002	0.060	0.591	0.003	0.204	0.398	0.000	0.114
C9	N/A	0.606	0.001	0.249	0.678	0.001	0.269	0.606	0.001	0.249	0.678	0.001	0.266
C10	N/A	0.776	0.002	0.213	0.536	0.001	0.166	0.661	0.004	0.201	0.530	0.000	0.164
C11	N/A	0.904	0.003	0.337	0.620	0.000	0.242	0.845	0.001	0.378	0.560	0.001	0.256
C12	N/A	0.695	0.001	0.164	0.573	0.000	0.155	0.695	0.001	0.164	0.576	0.000	0.154
C13	N/A	0.467	0.001	0.111	0.286	0.001	0.081	0.467	0.001	0.111	0.286	0.001	0.080
C14	N/A	1.171	0.002	0.282	0.499	0.002	0.209	1.171	0.002	0.282	0.508	0.003	0.208
C15	N/A	1.318	0.001	0.435	1.251	0.003	0.369	1.355	0.001	0.459	1.205	0.000	0.376
C17	N/A	1.220	0.010	0.426	0.742	0.104	0.353	0.392	0.002	0.088	0.524	0.002	0.135
C18	N/A	1.310	0.002	0.276	0.925	0.002	0.279	1.202	0.001	0.274	0.915	0.002	0.277
C20	N/A	0.607	0.001	0.209	0.390	0.003	0.143	0.620	0.001	0.210	0.392	0.002	0.144
CR2	N/A	1.168	0.005	0.439	0.939	0.011	0.394	1.017	0.007	0.338	0.870	0.019	0.338
CR3	N/A	1.446	0.005	0.526	0.884	0.004	0.280	1.377	0.007	0.509	0.950	0.001	0.263
CR4	N/A	1.708	0.003	0.405	1.008	0.002	0.283	1.708	0.003	0.405	1.021	0.001	0.284
CR5	N/A	1.211	0.004	0.399	0.587	0.001	0.244	1.211	0.004	0.399	0.593	0.002	0.245
E1	N/A	0.291	0.000	0.117	0.388	0.001	0.123	0.291	0.000	0.117	0.382	0.000	0.122
E2	N/A	0.539	0.000	0.054	0.129	0.000	0.034	0.398	0.001	0.052	0.105	0.002	0.035
E3	N/A	2.524	0.007	0.774	1.436	0.047	0.627	2.524	0.007	0.774	1.424	0.035	0.619
E4	N/A	1.401	0.007	0.503	1.073	0.005	0.297	1.462	0.007	0.488	1.037	0.002	0.293
E5	N/A	1.221	0.003	0.460	0.907	0.007	0.357	1.100	0.008	0.409	0.842	0.032	0.353
E6	N/A	0.315	0.002	0.076	0.154	0.001	0.050	0.303	0.000	0.072	0.141	0.006	0.053
E7	N/A	0.360	0.000	0.068	0.262	0.002	0.047	0.295	0.000	0.064	0.194	0.000	0.053
E8	N/A	0.466	0.002	0.054	0.193	0.010	0.045	0.331	0.003	0.051	0.166	0.013	0.044
E9	N/A	0.478	0.002	0.140	0.218	0.001	0.076	0.608	0.001	0.145	0.230	0.002	0.076
E10	N/A	0.471	0.000	0.052	0.155	0.000	0.062	0.546	0.000	0.050	0.202	0.000	0.063
E11	N/A	0.237	0.000	0.025	0.085	0.014	0.022	0.345	0.000	0.024	0.083	0.014	0.022
E12	N/A	0.505	0.001	0.171	0.335	0.001	0.100	0.595	0.001	0.181	0.362	0.001	0.104
F1	N/A	0.889	0.001	0.209	0.474	0.002	0.153	0.876	0.000	0.210	0.505	0.004	0.154
F2	N/A	2.163	0.006	0.668	1.520	0.012	0.510	1.905	0.005	0.590	1.366	0.009	0.449
F3	N/A	0.478	0.002	0.140	0.218	0.001	0.076	0.608	0.001	0.145	0.230	0.002	0.076
T1	N/A	0.259	0.000	0.071	0.088	0.000	0.025	0.259	0.000	0.070	0.081	0.000	0.026
T2	N/A	0.533	0.001	0.181	0.341	0.006	0.159	0.533	0.001	0.181	0.347	0.007	0.158
Observation point													
M1	N/A	1.923	0.011	0.714	1.301	0.011	0.582	1.942	0.006	0.700	1.358	0.007	0.605
M2	N/A	0.639	0.001	0.136	0.365	0.002	0.138	0.721	0.001	0.138	0.411	0.004	0.145
M3	N/A	1.040	0.005	0.381	0.597	0.006	0.239	0.790	0.002	0.306	0.441	0.004	0.194
M4a	N/A	1.453	0.008	0.579	1.297	0.005	0.456	1.453	0.008	0.579	1.275	0.010	0.466
M4b	N/A	2.309	0.009	0.700	1.768	0.007	0.601	2.180	0.001	0.683	1.726	0.021	0.581
M4c	N/A	1.430	0.027	0.515	1.038	0.005	0.424	1.578	0.010	0.645	1.130	0.012	0.524
M4d	N/A	1.980	0.003	0.615	1.271	0.009	0.460	1.474	0.004	0.407	0.948	0.002	0.327
M4e	N/A	1.117	0.006	0.417	0.785	0.016	0.345	1.024	0.007	0.355	0.846	0.015	0.357
M5	N/A	1.869	0.006	0.548	1.895	0.011	0.652	2.014	0.010	0.542	1.878	0.007	0.644
M6	N/A	2.081	0.011	0.683	1.440	0.008	0.560	2.195	0.006	0.691	1.428	0.005	0.562
M7	N/A	1.642	0.011	0.659	1.506	0.017	0.629	1.801	0.001	0.668	1.600	0.007	0.651
M8	N/A	1.788	0.004	0.633	1.473	0.007	0.584	1.720	0.003	0.617	1.433	0.011	0.572
M9	N/A	1.475	0.001	0.370	0.998	0.004	0.348	0.475	0.002	0.084	0.187	0.001	0.056
M10	N/A	1.671	0.004	0.533	1.219	0.006	0.450	1.390	0.003	0.477	1.095	0.003	0.397
M11	N/A	1.457	0.023	0.367	1.008	0.002	0.255	1.457	0.023	0.367	1.024	0.003	0.254
M12	N/A	1.927	0.019	0.559	1.191	0.004	0.342	1.927	0.019	0.559	1.204	0.001	0.345
M13	N/A	0.812	0.003	0.305	0.771	0.001	0.304	0.812	0.003	0.305	0.793	0.000	0.307
M14	N/A	1.723	0.004	0.510	0.982	0.006	0.334	1.744	0.002	0.514	0.939	0.004	0.335
M15	N/A	0.471	0.001	0.155	0.459	0.001	0.166	0.471	0.001	0.155	0.455	0.003	0.165
M16	N/A	0.565	0.001	0.234	0.728	0.002	0.250	0.565	0.001	0.234	0.743	0.001	0.249
M17	N/A	0.491	0.002	0.197	0.481	0.002	0.190	0.491	0.002	0.197	0.459	0.001	0.189
M18	N/A	0.728	0.003	0.265	0.651	0.002	0.278	0.728	0.003	0.265	0.644	0.001	0.275
M19	N/A	2.066	0.003	0.588	1.625	0.005	0.555	2.066	0.003	0.588	1.642	0.004	0.542