

Attachment 4
Dominguez Channel and Greater LA and LB Harbor Waters Toxics Pollutants TMDLs
Sediment Quality Units Based on the Phase I SQOs

Table 1 presents all possible combinations of the three lines of evidence and the corresponding sediment quality unit (SQU) as defined in Comment #101 of the Technical Comment Matrix (Attachment 1).

Table 1. Sediment Quality Units (SQUs)

LOE Category Combination	Sediment Chemistry Exposure ¹	Benthic Community Condition ²	Sediment Toxicity ³	Station Assessment ⁴	Sediment Quality Units
1	Minimal	Reference	Nontoxic	Unimpacted	1 SQU
2	Minimal	Reference	Low	Unimpacted	
3	Minimal	Reference	Moderate	Unimpacted	
5	Minimal	Low	Nontoxic	Unimpacted	
6	Minimal	Low	Low	Likely Unimpacted	
7	Minimal	Low	Moderate	Likely Unimpacted	
9	Minimal	Moderate	Nontoxic	Likely Unimpacted	
10	Minimal	Moderate	Low	Likely Unimpacted	
13	Minimal	High	Nontoxic	Likely Unimpacted	
17	Low	Reference	Nontoxic	Unimpacted	
18	Low	Reference	Low	Unimpacted	
19	Low	Reference	Moderate	Likely Unimpacted	
21	Low	Low	Nontoxic	Unimpacted	
22	Low	Low	Low	Likely Unimpacted	
25	Low	Moderate	Nontoxic	Likely Unimpacted	
29	Low	High	Nontoxic	Likely Unimpacted	
33	Moderate	Reference	Nontoxic	Unimpacted	
34	Moderate	Reference	Low	Likely Unimpacted	
35	Moderate	Reference	Moderate	Likely Unimpacted	
37	Moderate	Low	Nontoxic	Unimpacted	
49	High	Reference	Nontoxic	Likely Unimpacted	
50	High	Reference	Low	Likely Unimpacted	
53	High	Low	Nontoxic	Likely Unimpacted	
4	Minimal	Reference	High	Inconclusive	2 SQU
14	Minimal	High	Low	Inconclusive	
51	High	Reference	Moderate	Inconclusive	
8	Minimal	Low	High	Possibly Impacted	3 SQU
11	Minimal	Moderate	Moderate	Possibly Impacted	
15	Minimal	High	Moderate	Possibly Impacted	
20	Low	Reference	High	Possibly Impacted	
23	Low	Low	Moderate	Possibly Impacted	
24	Low	Low	High	Possibly Impacted	
26	Low	Moderate	Low	Possibly Impacted	
30	Low	High	Low	Possibly Impacted	
36	Moderate	Reference	High	Possibly Impacted	
38	Moderate	Low	Low	Possibly Impacted	
39	Moderate	Low	Moderate	Possibly Impacted	

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LOE Category Combination	Sediment Chemistry Exposure ¹	Benthic Community Condition ²	Sediment Toxicity ³	Station Assessment ⁴	Sediment Quality Units
40	Moderate	Low	High	Possibly Impacted	
41	Moderate	Moderate	Nontoxic	Possibly Impacted	
45	Moderate	High	Nontoxic	Possibly Impacted	
54	High	Low	Low	Possibly Impacted	
12	Minimal	Moderate	High	Likely Impacted	4 SQU
16	Minimal	High	High	Likely Impacted	
27	Low	Moderate	Moderate	Likely Impacted	
28	Low	Moderate	High	Likely Impacted	
31	Low	High	Moderate	Likely Impacted	
32	Low	High	High	Likely Impacted	
42	Moderate	Moderate	Low	Likely Impacted	
43	Moderate	Moderate	Moderate	Likely Impacted	
44	Moderate	Moderate	High	Likely Impacted	
46	Moderate	High	Low	Likely Impacted	
47	Moderate	High	Moderate	Likely Impacted	
48	Moderate	High	High	Likely Impacted	
52	High	Reference	High	Likely Impacted	
55	High	Low	Moderate	Likely Impacted	
56	High	Low	High	Likely Impacted	
57	High	Moderate	Nontoxic	Likely Impacted	
58	High	Moderate	Low	Likely Impacted	
59	High	Moderate	Moderate	Clearly Impacted	
60	High	Moderate	High	Clearly Impacted	
61	High	High	Nontoxic	Likely Impacted	
62	High	High	Low	Likely Impacted	
63	High	High	Moderate	Clearly Impacted	
64	High	High	High	Clearly Impacted	

1 = Based on Tables 6, 7, and 8 of the Phase I SQO Policy

2 = Based on Table 5 of the Phase I SQO Policy

3 = Based on Table 4 of the Phase I SQO Policy

4 = In the situation where a site categorized as Possibly Impacted is determined through stressor identification to be degraded not as a result of toxic pollutants in sediments, in that instance, Possibly Impacted will also be considered an equivalent protective condition.