

2012 Port Gardner Bay Marine Sediment Monitoring



Sediment Quality Triad Data Summary

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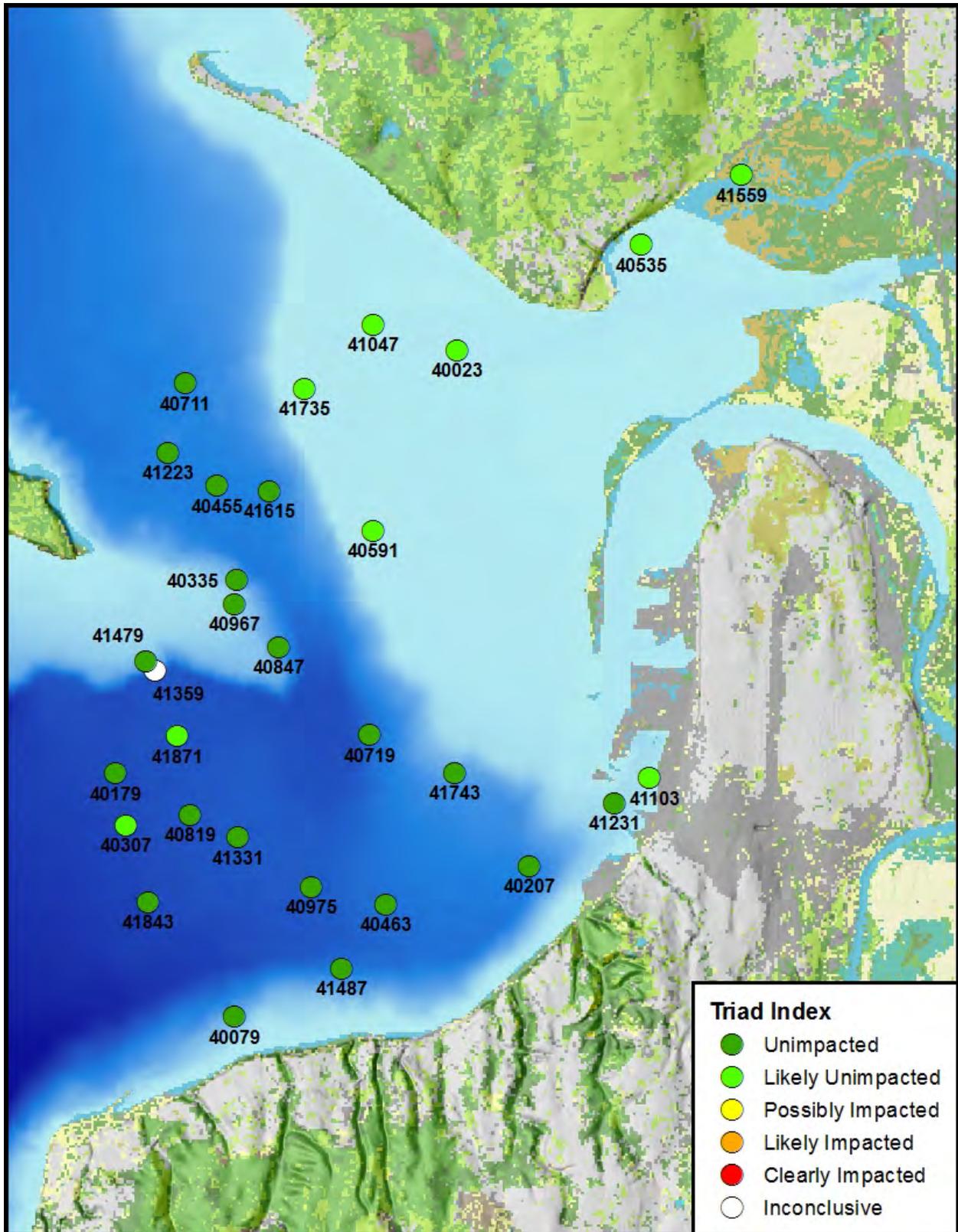
Results

Sediment Triad Quality Index categories identified for stations in the 2012 Port Gardner Bay survey.

Sample	Chemistry Index Category	Toxicity Index Category	Benthic Index	Triad Index Category
40023	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
40079	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40179	Minimum exposure	Low	Unaffected	Unimpacted
40207	Low exposure	Non-Toxic	Unaffected	Unimpacted
40307	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
40335	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40455	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40463	Low exposure	Non-Toxic	Unaffected	Unimpacted
40535	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
40591	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
40711	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40719	Low exposure	Non-Toxic	Unaffected	Unimpacted
40819	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40847	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40967	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
40975	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41047	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
41103	Low exposure	Non-Toxic	Adversely Affected	Likely unimpacted
41223	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41231	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41331	Low exposure	Non-Toxic	Unaffected	Unimpacted
41359	Minimum exposure	Low	Adversely Affected	Inconclusive
41479	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41487	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41559	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted
41615	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41735	Low exposure	Non-Toxic	Adversely Affected	Likely unimpacted
41743	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41843	Minimum exposure	Non-Toxic	Unaffected	Unimpacted
41871	Minimum exposure	Non-Toxic	Adversely Affected	Likely unimpacted

Spatial extent of Sediment Triad Quality Index categories for the 2012 Port Gardner Bay survey.

Chemistry Index	Toxicity Index	Interim Benthic Index	Triad Index	% of Area
Minimum exposure	Non-toxic	Unaffected	Unimpacted	50.0
	Low			3.3
Low exposure	Non-toxic			13.3
Minimum exposure	Non-toxic	Adversely affected	Likely unimpacted	23.3
Low exposure				6.7
Minimum exposure	Low		Inconclusive	3.3



Spatial patterns of sediment condition in the 2012 Port Gardner Bay survey.
The numbers on the map are the station identifiers.

Incidence and spatial extent of sediment condition, as measured by the Sediment Quality Triad Index, in the 2012 Port Gardner Bay survey.

Sediment Triad Index Category	Stations		Area	
	Number	(%)	km ²	(%)
Port Gardner Bay	30	(100.0)	38.1	(100.0)
Unimpacted	20	(66.7)	25.4	(146.4)
Likely unimpacted	9	(30.0)	11.4	(65.9)
Possibly impacted	0	(0.0)	0.0	(0.0)
Likely impacted	0	(0.0)	0.0	(0.0)
Clearly impacted	0	(0.0)	0.0	(0.0)
Inconclusive	1	(3.3)	1.3	(7.3)

Comparison with the Region and all of Puget Sound

Incidence and spatial extent of sediment quality in Port Gardner Bay, Whidbey Basin monitoring region, and all of Puget Sound, as measured with the Sediment Quality Triad Index.

Sediment Quality Triad Index Category	Regional Baseline				Second Baseline			
	Stations		Area		Stations		Area	
	Number	(%)	km ²	(%)	Number	(%)	km ²	(%)
Port Gardner Bay	30	(100.0)	38.1	(100.0)	Available after 2018			
Unimpacted	20	(66.7)	25.4	(146.4)				
Likely unimpacted	9	(30.0)	11.4	(65.9)				
Possibly impacted	0	(0.0)	0.0	(0.0)				
Likely impacted	0	(0.0)	0.0	(0.0)				
Clearly impacted	0	(0.0)	0.0	(0.0)				
Inconclusive	1	(3.3)	1.3	(7.3)				
Whidbey Basin	39	(100.0)	338.1	(100.0)	40	(100.0)	353.3	(100.0)
Unimpacted	10	(25.6)	104.8	(31.0)	20	(50.0)	167.7	(47.5)
Likely unimpacted	19	(48.7)	213.0	(63.0)	17	(42.5)	165.7	(46.9)
Possibly impacted	2	(5.1)	0.1	(0.0)	1	(2.5)	11.5	(3.3)
Likely impacted	6	(15.4)	0.6	(0.2)	1	(2.5)	0.3	(0.1)
Clearly impacted	1	(2.6)	0.1	(0.0)	0	(0.0)	0.0	(0.0)
Inconclusive	1	(2.6)	19.6	(5.8)	1	(2.5)	8.2	(2.3)
Total Study Area	381	(100.0)	2294.1	(100.0)	Available after 2014			
Unimpacted	221	(58.0)	1498.3	(65.3)				
Likely unimpacted	115	(30.2)	695.3	(30.3)				
Possibly impacted	24	(6.3)	66.7	(2.9)				
Likely impacted	14	(3.7)	3.0	(0.1)				
Clearly impacted	2	(0.5)	0.2	(0.0)				
Inconclusive	5	(1.3)	30.5	(1.3)				