

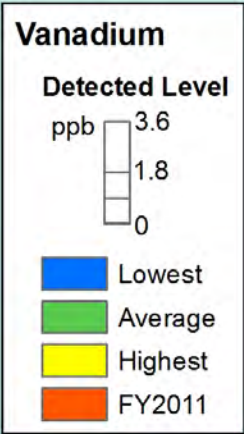
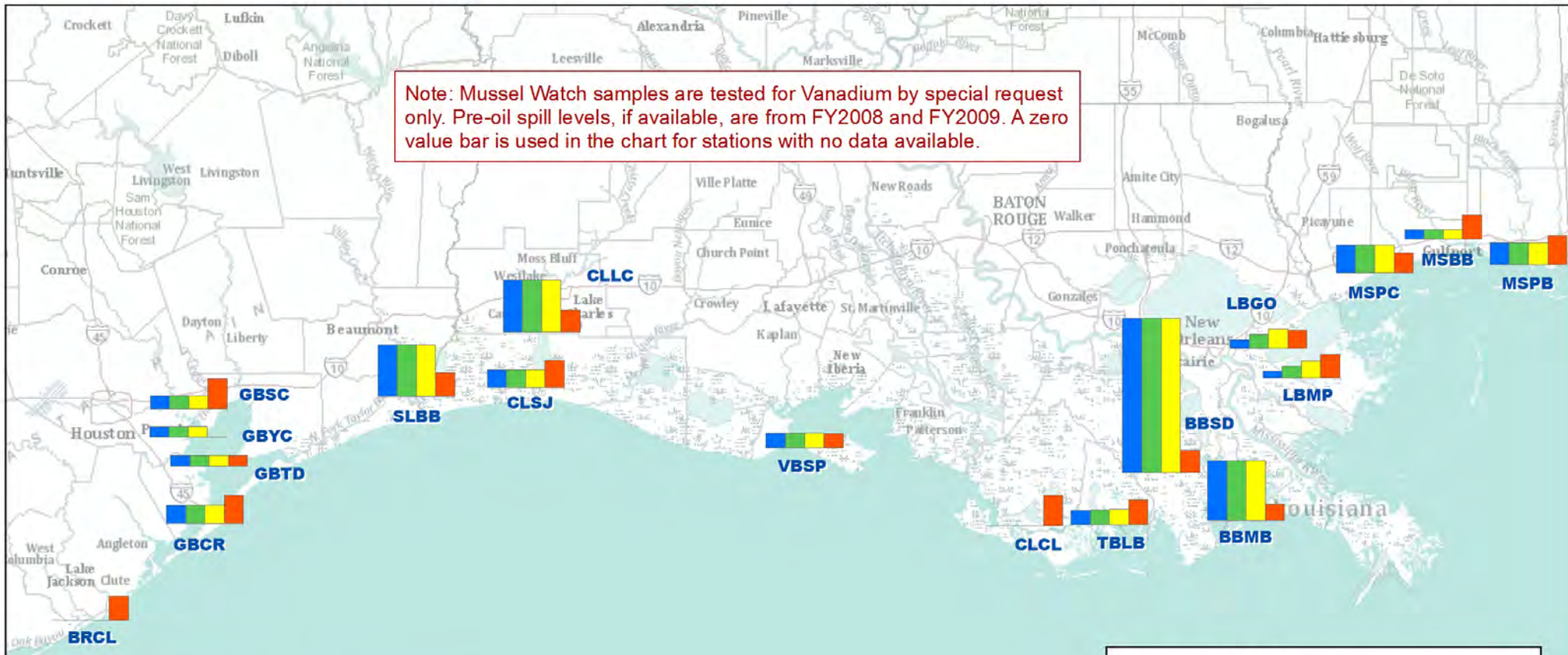


Comparison of Vanadium Levels at Mussel Watch Sites Before and After the Deepwater Horizon Oil Spill



Office of Crisis Management
Emergency Operations Center

Note: Mussel Watch samples are tested for Vanadium by special request only. Pre-oil spill levels, if available, are from FY2008 and FY2009. A zero value bar is used in the chart for stations with no data available.



Samples taken from oyster tissue. Lowest, average, and highest detected levels from available data FY1986 - FY2009. No samples were analyzed in FY2010. Levels measured in $\mu\text{g/g}$ dry. To avoid overlap and increase readability, station locations on the map may vary slightly from the actual location.

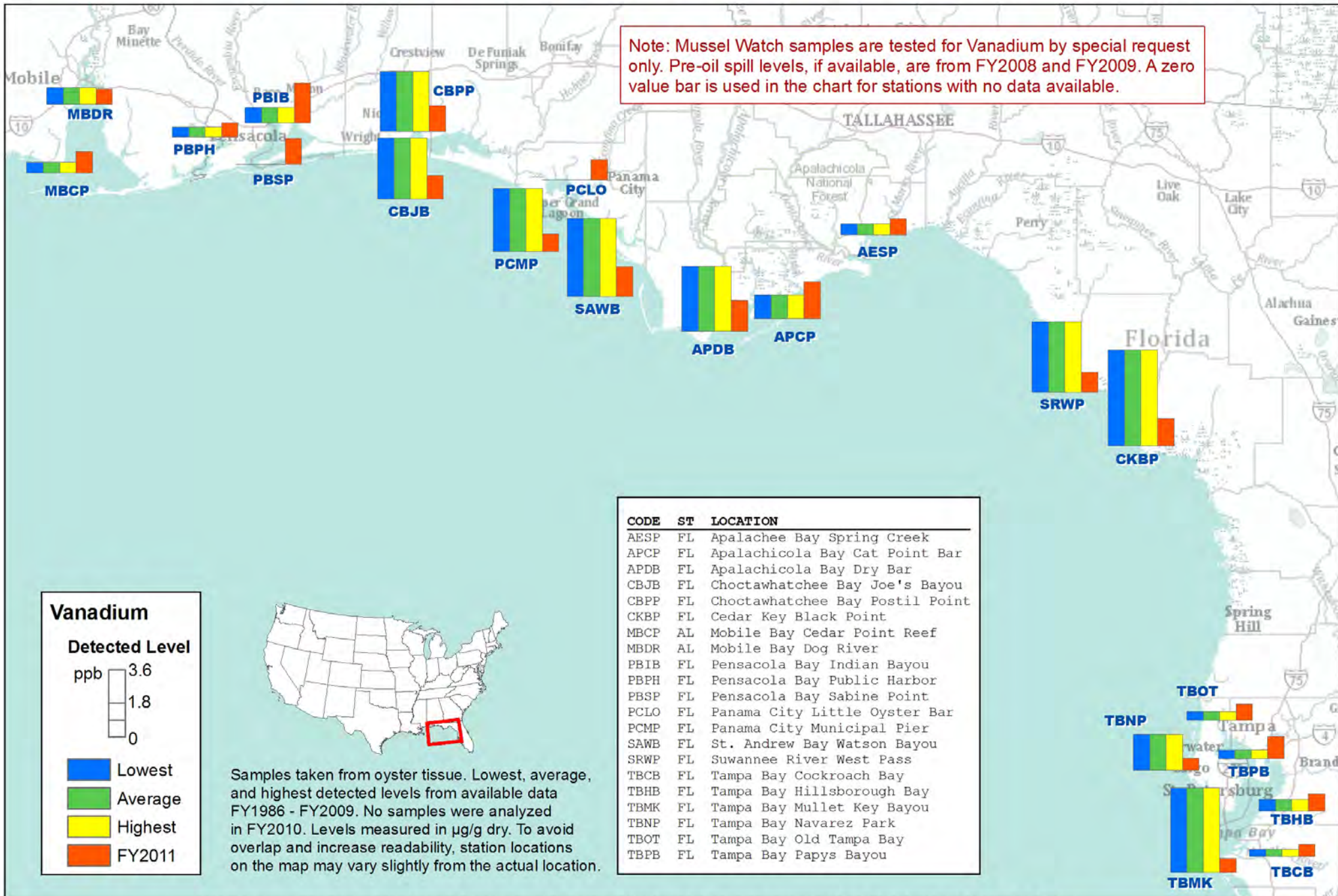
CODE	ST	LOCATION
BBMB	LA	Barataria Bay Middle Bank
BBSD	LA	Barataria Bay Bayou Saint Denis
BRCL	TX	Brazos River Cedar Lakes
CLCL	LA	Caillou Lake Caillou Lake
CLLC	LA	Calcasieu Lake Lake Charles
CLSJ	LA	Calcasieu Lake St. Johns Island
GBCR	TX	Galveston Bay Confederate Reef
GBSC	TX	Galveston Bay Ship Channel
GBTD	TX	Galveston Bay Todd's Dump
GBYC	TX	Galveston Bay Yacht Club
LBGO	LA	Lake Borgne Gulf Outlet
LBMP	LA	Lake Borgne Malheureux Point
MSBB	MS	Mississippi Sound Biloxi Bay
MSPB	MS	Mississippi Sound Pascagoula Bay
MSPC	MS	Mississippi Sound Pass Christian
SLBB	LA	Sabine Lake Blue Buck Point
TBLB	LA	Terrebonne Bay Lake Barre
VBSB	LA	Vermilion Bay Southwest Pass



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Before and After the Deepwater Horizon Oil Spill

NST Site	General Location	Specific Location	Latitude	Longitude	Matrix	Units	Lowest		Average Level	Highest		FY2011 Level
							Year	Level		Year	Level	
AESP	Apalachee Bay	Spring Creek	30.063	-84.322	TIS	µg/g dry	FY2009	0.637	0.637	FY2009	0.637	0.911
APCP	Apalachicola Bay	Cat Point Bar	29.724	-84.884	TIS	µg/g dry	FY2009	1.300	1.300	FY2009	1.300	2.050
APDB	Apalachicola Bay	Dry Bar	29.673	-85.066	TIS	µg/g dry	FY2009	3.600	3.600	FY2009	3.600	1.700
BBMB	Barataria Bay	Middle Bank	29.277	-89.942	TIS	µg/g dry	FY2009	2.810	2.810	FY2009	2.810	0.771
BBSD	Barataria Bay	Bayou Saint Denis	29.405	-89.999	TIS	µg/g dry	FY2009	7.260	7.260	FY2009	7.260	1.050
BRCL	Brazos River	Cedar Lakes	28.858	-95.465	TIS	µg/g dry	NA	NA	NA	NA	NA	1.160
CBJB	Choctawhatchee Bay	Joe's Bayou	30.411	-86.491	TIS	µg/g dry	FY2008	3.350	3.350	FY2008	3.350	1.290
CBPP	Choctawhatchee Bay	Postil Point	30.482	-86.479	TIS	µg/g dry	FY2008	3.320	3.320	FY2008	3.320	1.430
CKBP	Cedar Key	Black Point	29.207	-83.070	TIS	µg/g dry	FY2009	5.290	5.290	FY2009	5.290	1.500
CLCL	Caillou Lake	Caillou Lake	29.253	-90.927	TIS	µg/g dry	NA	NA	NA	NA	NA	1.450
CLLC	Calcasieu Lake	Lake Charles	30.059	-93.308	TIS	µg/g dry	FY2009	2.450	2.450	FY2009	2.450	1.030
CLSJ	Calcasieu Lake	St. Johns Island	29.829	-93.384	TIS	µg/g dry	FY2009	0.834	0.834	FY2009	0.834	1.280
GBCR	Galveston Bay	Confederate Reef	29.263	-94.916	TIS	µg/g dry	FY2009	0.870	0.870	FY2009	0.870	1.340
GBSC	Galveston Bay	Ship Channel	29.705	-94.993	TIS	µg/g dry	FY2009	0.603	0.603	FY2009	0.603	1.410
GBTD	Galveston Bay	Todd's Dump	29.503	-94.896	TIS	µg/g dry	FY2009	0.489	0.489	FY2009	0.489	0.483
GBYC	Galveston Bay	Yacht Club	29.622	-94.996	TIS	µg/g dry	FY2009	0.523	0.523	FY2009	0.523	NA
LBGO	Lake Borgne	Gulf Outlet	29.945	-89.835	TIS	µg/g dry	FY2008	0.403	0.657	FY2009	0.911	0.849
LBMP	Lake Borgne	Malheureux Point	29.867	-89.679	TIS	µg/g dry	FY2008	0.353	0.580	FY2009	0.806	1.130
MBCP	Mobile Bay	Cedar Point Reef	30.316	-88.134	TIS	µg/g dry	FY2008	0.588	0.588	FY2008	0.588	1.170
MBDR	Mobile Bay	Dog River	30.592	-88.040	TIS	µg/g dry	FY2008	0.938	0.938	FY2008	0.938	0.856
MSBB	Mississippi Sound	Biloxi Bay	30.393	-88.858	TIS	µg/g dry	FY2008	0.428	0.428	FY2008	0.428	1.120
MSPB	Mississippi Sound	Pascagoula Bay	30.336	-88.589	TIS	µg/g dry	FY2008	1.040	1.040	FY2008	1.040	1.390
MSPC	Mississippi Sound	Pass Christian	30.302	-89.327	TIS	µg/g dry	FY2008	1.320	1.320	FY2008	1.320	0.961
PBIB	Pensacola Bay	Indian Bayou	30.517	-87.112	TIS	µg/g dry	FY2008	0.879	0.879	FY2008	0.879	2.200
PBPH	Pensacola Bay	Public Harbor	30.414	-87.191	TIS	µg/g dry	FY2008	0.572	0.572	FY2008	0.572	0.797
PBSP	Pensacola Bay	Sabine Point	30.350	-87.155	TIS	µg/g dry	NA	NA	NA	NA	NA	1.420
PCLO	Panama City	Little Oyster Bar	30.251	-85.681	TIS	µg/g dry	NA	NA	NA	NA	NA	1.100
PCMP	Panama City	Municipal Pier	30.151	-85.663	TIS	µg/g dry	FY2009	3.470	3.470	FY2009	3.470	0.974
SAWB	St. Andrew Bay	Watson Bayou	30.143	-85.632	TIS	µg/g dry	FY2009	4.310	4.310	FY2009	4.310	1.640
SLBB	Sabine Lake	Blue Buck Point	29.791	-93.906	TIS	µg/g dry	FY2009	2.450	2.450	FY2009	2.450	1.140
SRWP	Suwannee River	West Pass	29.329	-83.174	TIS	µg/g dry	FY2009	3.920	3.920	FY2009	3.920	1.130
TBCB	Tampa Bay	Cockroach Bay	27.681	-82.518	TIS	µg/g dry	FY2008	0.401	0.401	FY2008	0.401	0.681
TBHB	Tampa Bay	Hillsborough Bay	27.855	-82.395	TIS	µg/g dry	FY2008	0.620	0.620	FY2008	0.620	0.927
TBLB	Terrebonne Bay	Lake Barre	29.260	-90.594	TIS	µg/g dry	FY2008	0.661	0.694	FY2009	0.727	1.170
TBMK	Tampa Bay	Mullet Key Bayou	27.621	-82.727	TIS	µg/g dry	FY2008	4.670	4.670	FY2008	4.670	0.784
TBNP	Tampa Bay	Navarez Park	27.787	-82.754	TIS	µg/g dry	FY2008	1.970	1.970	FY2008	1.970	0.654
TBOT	Tampa Bay	Old Tampa Bay	28.024	-82.633	TIS	µg/g dry	FY2008	0.471	0.471	FY2008	0.471	0.892
TBPB	Tampa Bay	Papys Bayou	27.844	-82.612	TIS	µg/g dry	FY2008	0.480	0.480	FY2008	0.480	1.220
VBSP	Vermilion Bay	Southwest Pass	29.580	-92.051	TIS	µg/g dry	FY2009	0.698	0.698	FY2009	0.698	0.666

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