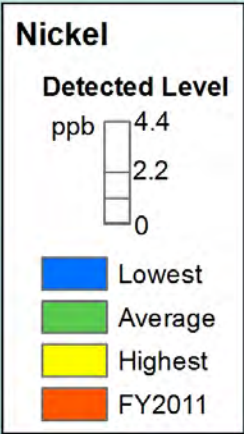
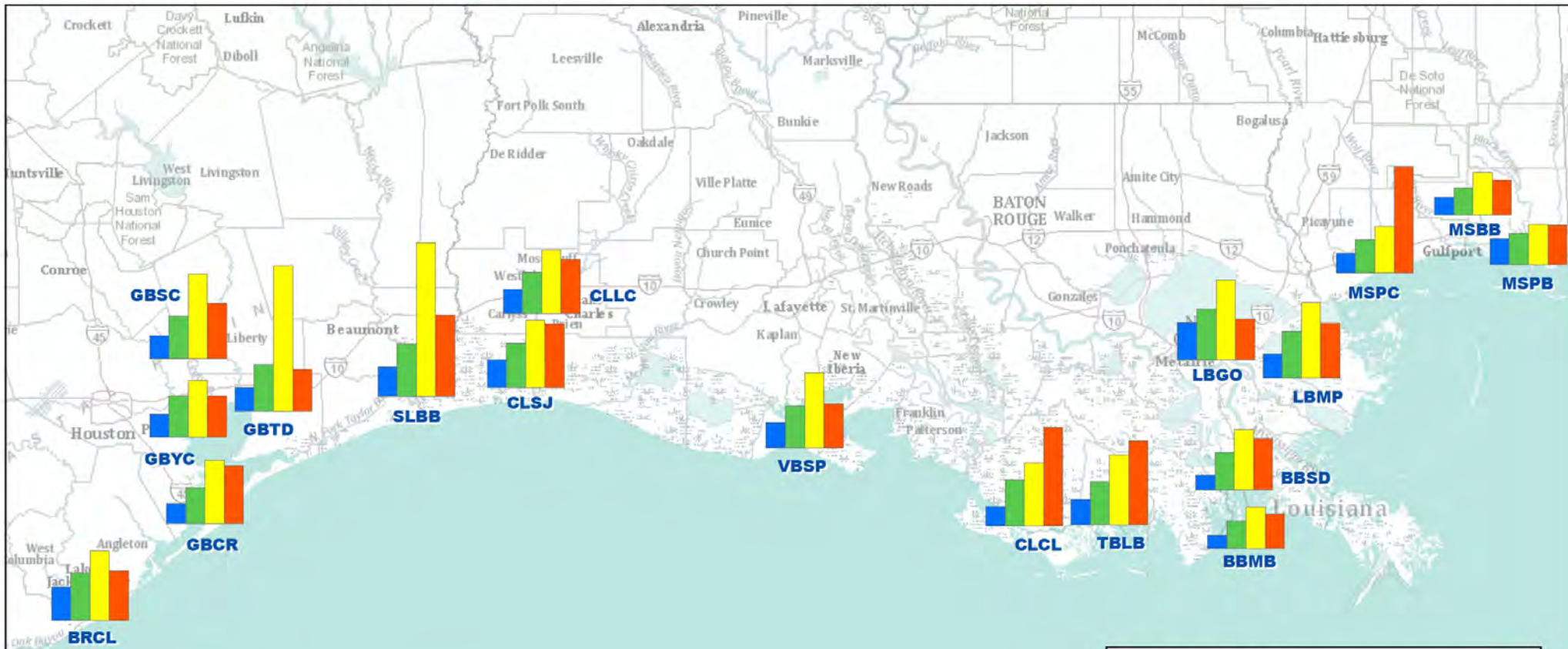




# Comparison of Nickel Levels at Mussel Watch Sites Before and After the Deepwater Horizon Oil Spill



Office of Crisis Management  
Emergency Operations Center



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.

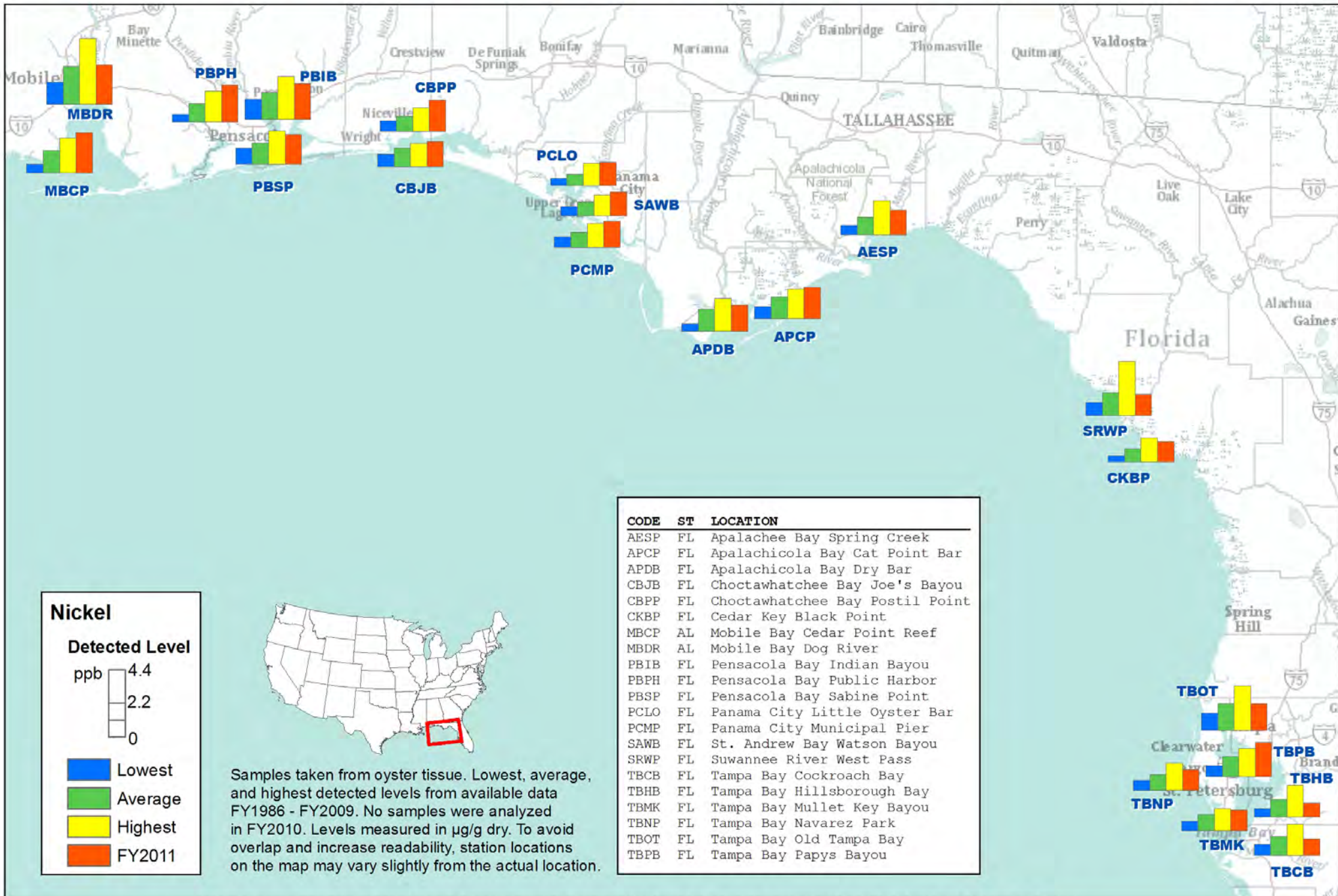
CODE	ST	LOCATION
BBMB	LA	Barataria Bay Middle Bank
BBSD	LA	Barataria Bay Bayou Saint Denis
BRCL	TX	Brazos River Cedar Lakes
CLCL	LA	Caillou Lake Caillou Lake
CLLC	LA	Calcasieu Lake Lake Charles
CLSJ	LA	Calcasieu Lake St. Johns Island
GBCR	TX	Galveston Bay Confederate Reef
GBSC	TX	Galveston Bay Ship Channel
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



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



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Comparison of *Nickel* Levels at Mussel Watch Sites  
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	FY1990	0.657	1.188	FY2009	2.300	1.670
APCP	Apalachicola Bay	Cat Point Bar	29.724	-84.884	TIS	µg/g dry	FY1990	0.807	1.444	FY1997	2.000	2.080
APDB	Apalachicola Bay	Dry Bar	29.673	-85.066	TIS	µg/g dry	FY1990	0.503	1.507	FY2009	2.200	1.760
BBMB	Barataria Bay	Middle Bank	29.277	-89.942	TIS	µg/g dry	FY1990	0.747	1.569	FY1991	2.367	1.960
BBSD	Barataria Bay	Bayou Saint Denis	29.405	-89.999	TIS	µg/g dry	FY1990	0.820	2.115	FY1987	3.427	2.930
BRCL	Brazos River	Cedar Lakes	28.858	-95.465	TIS	µg/g dry	FY1994	1.940	2.712	FY1992	4.010	2.860
CBJB	Choctawhatchee Bay	Joe's Bayou	30.411	-86.491	TIS	µg/g dry	FY1993	0.820	1.232	FY2000	1.550	1.690
CBPP	Choctawhatchee Bay	Postil Point	30.482	-86.479	TIS	µg/g dry	FY1990	0.700	1.024	FY1992	1.580	2.080
CKBP	Cedar Key	Black Point	29.207	-83.070	TIS	µg/g dry	FY1990	0.417	0.893	FY2009	1.650	1.370
CLCL	Caillou Lake	Caillou Lake	29.253	-90.927	TIS	µg/g dry	FY1988	1.117	2.626	FY2003	3.630	5.640
CLLC	Calcasieu Lake	Lake Charles	30.059	-93.308	TIS	µg/g dry	FY1991	1.367	2.366	FY1992	3.660	3.090
CLSJ	Calcasieu Lake	St. Johns Island	29.829	-93.384	TIS	µg/g dry	FY1988	1.597	2.534	FY1992	3.850	3.650
GBCR	Galveston Bay	Confederate Reef	29.263	-94.916	TIS	µg/g dry	FY1988	1.160	2.063	FY2009	3.610	3.310
GBSC	Galveston Bay	Ship Channel	29.705	-94.993	TIS	µg/g dry	FY2003	1.330	2.420	FY1992	4.820	3.170
GBTD	Galveston Bay	Todd's Dump	29.503	-94.896	TIS	µg/g dry	FY1990	1.363	2.655	FY1997	8.300	2.390
GBYC	Galveston Bay	Yacht Club	29.622	-94.996	TIS	µg/g dry	FY1988	1.340	2.372	FY2007	3.250	2.360
LBGO	Lake Borgne	Gulf Outlet	29.945	-89.835	TIS	µg/g dry	FY2002	2.110	2.880	FY1998	4.550	2.310
LBMP	Lake Borgne	Malheureux Point	29.867	-89.679	TIS	µg/g dry	FY2002	1.410	2.677	FY1998	4.350	3.150
MBCP	Mobile Bay	Cedar Point Reef	30.316	-88.134	TIS	µg/g dry	FY1990	0.563	1.469	FY2000	2.320	2.690
MBDR	Mobile Bay	Dog River	30.592	-88.040	TIS	µg/g dry	FY1990	1.510	2.554	FY1996	4.400	2.660
MSBB	Mississippi Sound	Biloxi Bay	30.393	-88.858	TIS	µg/g dry	FY2006	1.020	1.575	FY1986	2.433	2.000
MSPB	Mississippi Sound	Pascagoula Bay	30.336	-88.589	TIS	µg/g dry	FY1988	1.490	1.791	FY1986	2.300	2.280
MSPC	Mississippi Sound	Pass Christian	30.302	-89.327	TIS	µg/g dry	FY1990	1.113	1.916	FY2008	2.690	6.080
PBIB	Pensacola Bay	Indian Bayou	30.517	-87.112	TIS	µg/g dry	FY2000	1.330	1.819	FY1993	2.870	2.370
PBPH	Pensacola Bay	Public Harbor	30.414	-87.191	TIS	µg/g dry	FY1990	0.497	1.227	FY1998	2.080	2.490
PBSP	Pensacola Bay	Sabine Point	30.350	-87.155	TIS	µg/g dry	FY2002	1.070	1.415	FY1998	2.240	2.010
PCLO	Panama City	Little Oyster Bar	30.251	-85.681	TIS	µg/g dry	FY1990	0.463	0.744	FY1994	1.460	1.530
PCMP	Panama City	Municipal Pier	30.151	-85.663	TIS	µg/g dry	FY1995	0.727	1.014	FY2009	1.610	1.760
SAWB	St. Andrew Bay	Watson Bayou	30.143	-85.632	TIS	µg/g dry	FY1990	0.610	0.915	FY2009	1.380	1.590
SLBB	Sabine Lake	Blue Buck Point	29.791	-93.906	TIS	µg/g dry	FY1988	1.700	3.012	FY1997	8.800	4.680
SRWP	Suwannee River	West Pass	29.329	-83.174	TIS	µg/g dry	FY2003	0.887	1.518	FY2009	3.640	1.410
TBCB	Tampa Bay	Cockroach Bay	27.681	-82.518	TIS	µg/g dry	FY1990	0.740	1.284	FY2006	2.080	1.110
TBHB	Tampa Bay	Hillsborough Bay	27.855	-82.395	TIS	µg/g dry	FY2002	0.578	1.185	FY2008	2.130	0.933
TBLB	Terrebonne Bay	Lake Barre	29.260	-90.594	TIS	µg/g dry	FY1990	1.433	2.453	FY2009	3.980	4.770
TBMK	Tampa Bay	Mullet Key Bayou	27.621	-82.727	TIS	µg/g dry	FY1989	0.640	1.068	FY2004	1.480	1.400
TBNP	Tampa Bay	Navarez Park	27.787	-82.754	TIS	µg/g dry	FY2002	0.683	1.077	FY2008	1.850	1.400
TBOT	Tampa Bay	Old Tampa Bay	28.024	-82.633	TIS	µg/g dry	FY1989	1.163	1.800	FY2006	2.970	1.800
TBPB	Tampa Bay	Papys Bayou	27.844	-82.612	TIS	µg/g dry	FY2002	0.756	1.372	FY1987	1.887	2.310
VBSP	Vermilion Bay	Southwest Pass	29.580	-92.051	TIS	µg/g dry	FY1994	1.440	2.390	FY2009	4.280	2.520

Samples taken from oyster tissue. Lowest, average,  
and highest detected levels from available data  
FY1986 - FY2009. No samples were analyzed  
in FY2010.