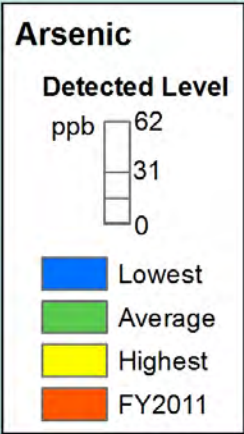




# Comparison of Arsenic Levels at Mussel Watch Sites Before and After the Deepwater Horizon Oil Spill



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.

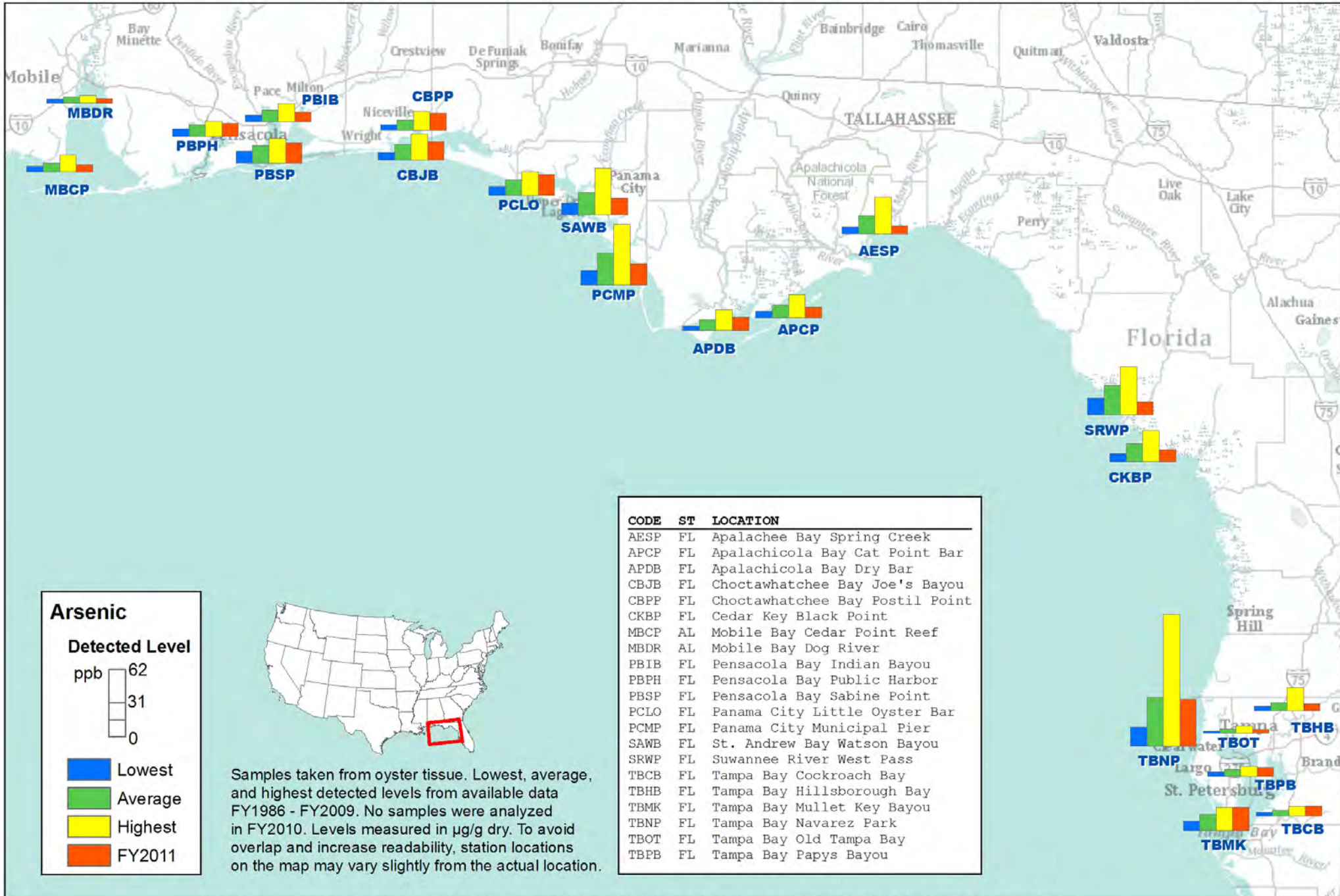
CODE	ST	LOCATION
BBMB	LA	Barataria Bay Middle Bank
BBSD	LA	Barataria Bay Bayou Saint Denis
BRCL	TX	Brazos River Cedar Lakes
CLCL	LA	Caillou Lake Caillou Lake
CLLC	LA	Calcasieu Lake Lake Charles
CLSJ	LA	Calcasieu Lake St. Johns Island
GBCR	TX	Galveston Bay Confederate Reef
GBSC	TX	Galveston Bay Ship Channel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



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



Office of Crisis Management  
Emergency Operations Center



Comparison of **Arsenic** 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	FY1993	6.580	16.997	FY1997	34.600	7.660
APCP	Apalachicola Bay	Cat Point Bar	29.724	-84.884	TIS	µg/g dry	FY1993	6.030	11.741	FY1987	21.900	9.780
APDB	Apalachicola Bay	Dry Bar	29.673	-85.066	TIS	µg/g dry	FY1993	4.300	10.181	FY2007	19.700	12.200
BBMB	Barataria Bay	Middle Bank	29.277	-89.942	TIS	µg/g dry	FY2005	6.360	9.953	FY1995	17.364	4.240
BBSD	Barataria Bay	Bayou Saint Denis	29.405	-89.999	TIS	µg/g dry	FY1991	5.067	8.571	FY2009	16.000	4.490
BRCL	Brazos River	Cedar Lakes	28.858	-95.465	TIS	µg/g dry	FY1993	4.840	6.045	FY1997	8.500	5.720
CBJB	Choctawhatchee Bay	Joe's Bayou	30.411	-86.491	TIS	µg/g dry	FY1990	6.967	14.685	FY2002	24.500	17.200
CBPP	Choctawhatchee Bay	Postil Point	30.482	-86.479	TIS	µg/g dry	FY1993	5.120	9.497	FY2002	17.900	16.300
CKBP	Cedar Key	Black Point	29.207	-83.070	TIS	µg/g dry	FY2001	7.290	16.885	FY1990	29.160	11.400
CLCL	Caillou Lake	Caillou Lake	29.253	-90.927	TIS	µg/g dry	FY1999	4.590	6.640	FY1995	9.633	5.500
CLLC	Calcasieu Lake	Lake Charles	30.059	-93.308	TIS	µg/g dry	FY1988	2.900	6.340	FY1996	20.700	4.860
CLSJ	Calcasieu Lake	St. Johns Island	29.829	-93.384	TIS	µg/g dry	FY1991	4.300	6.955	FY1986	10.333	5.720
GBCR	Galveston Bay	Confederate Reef	29.263	-94.916	TIS	µg/g dry	FY1992	4.910	5.919	FY1997	9.200	7.360
GBSC	Galveston Bay	Ship Channel	29.705	-94.993	TIS	µg/g dry	FY1988	2.633	4.446	FY1994	6.300	3.790
GBTD	Galveston Bay	Todd's Dump	29.503	-94.896	TIS	µg/g dry	FY1988	3.067	4.860	FY1994	6.700	5.400
GBYC	Galveston Bay	Yacht Club	29.622	-94.996	TIS	µg/g dry	FY1988	2.250	4.159	FY1997	6.700	3.810
LBGO	Lake Borgne	Gulf Outlet	29.945	-89.835	TIS	µg/g dry	FY2000	3.440	5.462	FY2009	7.660	5.370
LBMP	Lake Borgne	Malheureux Point	29.867	-89.679	TIS	µg/g dry	FY2000	2.920	5.144	FY2009	7.150	4.470
MBCP	Mobile Bay	Cedar Point Reef	30.316	-88.134	TIS	µg/g dry	FY1993	4.930	8.024	FY1986	15.667	6.400
MBDR	Mobile Bay	Dog River	30.592	-88.040	TIS	µg/g dry	FY2002	3.800	5.939	FY1998	7.160	4.580
MSBB	Mississippi Sound	Biloxi Bay	30.393	-88.858	TIS	µg/g dry	FY2002	6.560	10.157	FY1986	19.000	5.750
MSPB	Mississippi Sound	Pascagoula Bay	30.336	-88.589	TIS	µg/g dry	FY1993	8.900	13.721	FY1994	19.400	6.720
MSPC	Mississippi Sound	Pass Christian	30.302	-89.327	TIS	µg/g dry	FY1991	3.767	7.504	FY1988	12.633	4.100
PBIB	Pensacola Bay	Indian Bayou	30.517	-87.112	TIS	µg/g dry	FY1993	6.340	11.083	FY1987	17.200	8.980
PBPH	Pensacola Bay	Public Harbor	30.414	-87.191	TIS	µg/g dry	FY1993	6.820	10.717	FY1988	14.133	11.900
PBSP	Pensacola Bay	Sabine Point	30.350	-87.155	TIS	µg/g dry	FY1990	11.373	16.658	FY2002	23.300	18.900
PCLO	Panama City	Little Oyster Bar	30.251	-85.681	TIS	µg/g dry	FY1990	8.603	14.686	FY2005	22.400	19.700
PCMP	Panama City	Municipal Pier	30.151	-85.663	TIS	µg/g dry	FY1989	13.450	29.922	FY2009	56.600	19.700
SAWB	St. Andrew Bay	Watson Bayou	30.143	-85.632	TIS	µg/g dry	FY1990	10.660	20.510	FY2009	43.500	15.400
SLBB	Sabine Lake	Blue Buck Point	29.791	-93.906	TIS	µg/g dry	FY1987	4.100	6.468	FY2009	11.000	5.190
SRWP	Suwannee River	West Pass	29.329	-83.174	TIS	µg/g dry	FY2007	15.900	27.715	FY2009	45.100	12.500
TBCB	Tampa Bay	Cockroach Bay	27.681	-82.518	TIS	µg/g dry	FY1991	3.333	5.302	FY1996	9.100	9.520
TBHB	Tampa Bay	Hillsborough Bay	27.855	-82.395	TIS	µg/g dry	FY1987	4.000	7.348	FY1988	21.880	6.600
TBLB	Terrebonne Bay	Lake Barre	29.260	-90.594	TIS	µg/g dry	FY1989	4.747	6.459	FY1996	12.300	8.830
TBMK	Tampa Bay	Mullet Key Bayou	27.621	-82.727	TIS	µg/g dry	FY1992	9.210	14.975	FY1998	21.900	21.600
TBNP	Tampa Bay	Navarez Park	27.787	-82.754	TIS	µg/g dry	FY2006	17.700	45.933	FY1991	123.000	43.600
TBOT	Tampa Bay	Old Tampa Bay	28.024	-82.633	TIS	µg/g dry	FY1991	2.133	3.960	FY2000	6.800	3.180
TBPB	Tampa Bay	Papys Bayou	27.844	-82.612	TIS	µg/g dry	FY1993	4.150	6.487	FY2000	9.620	8.400
VBSP	Vermilion Bay	Southwest Pass	29.580	-92.051	TIS	µg/g dry	FY1988	4.667	6.789	FY1986	9.667	6.510

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