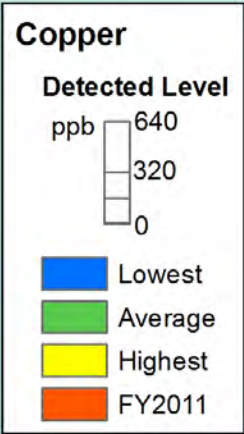
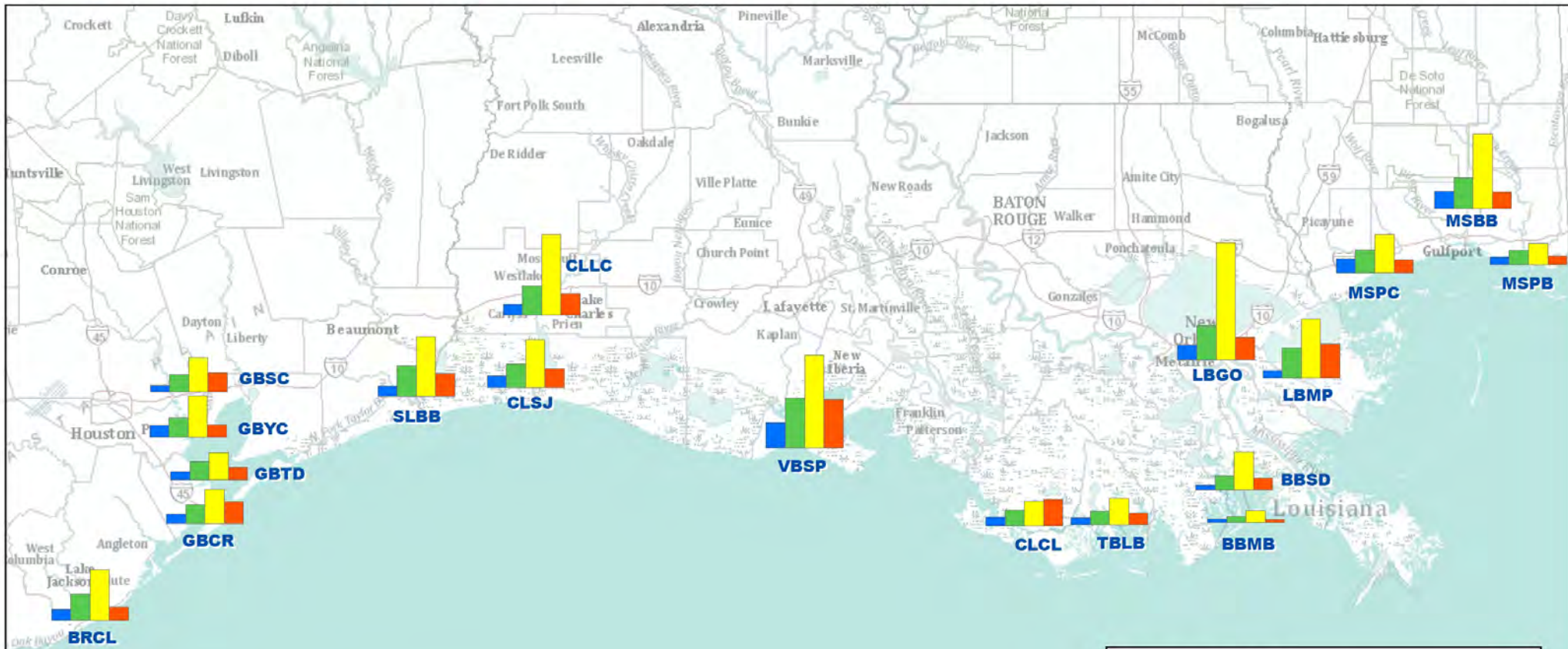




Comparison of Copper Levels at Mussel Watch Sites Before and After the Deepwater Horizon Oil Spill



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.

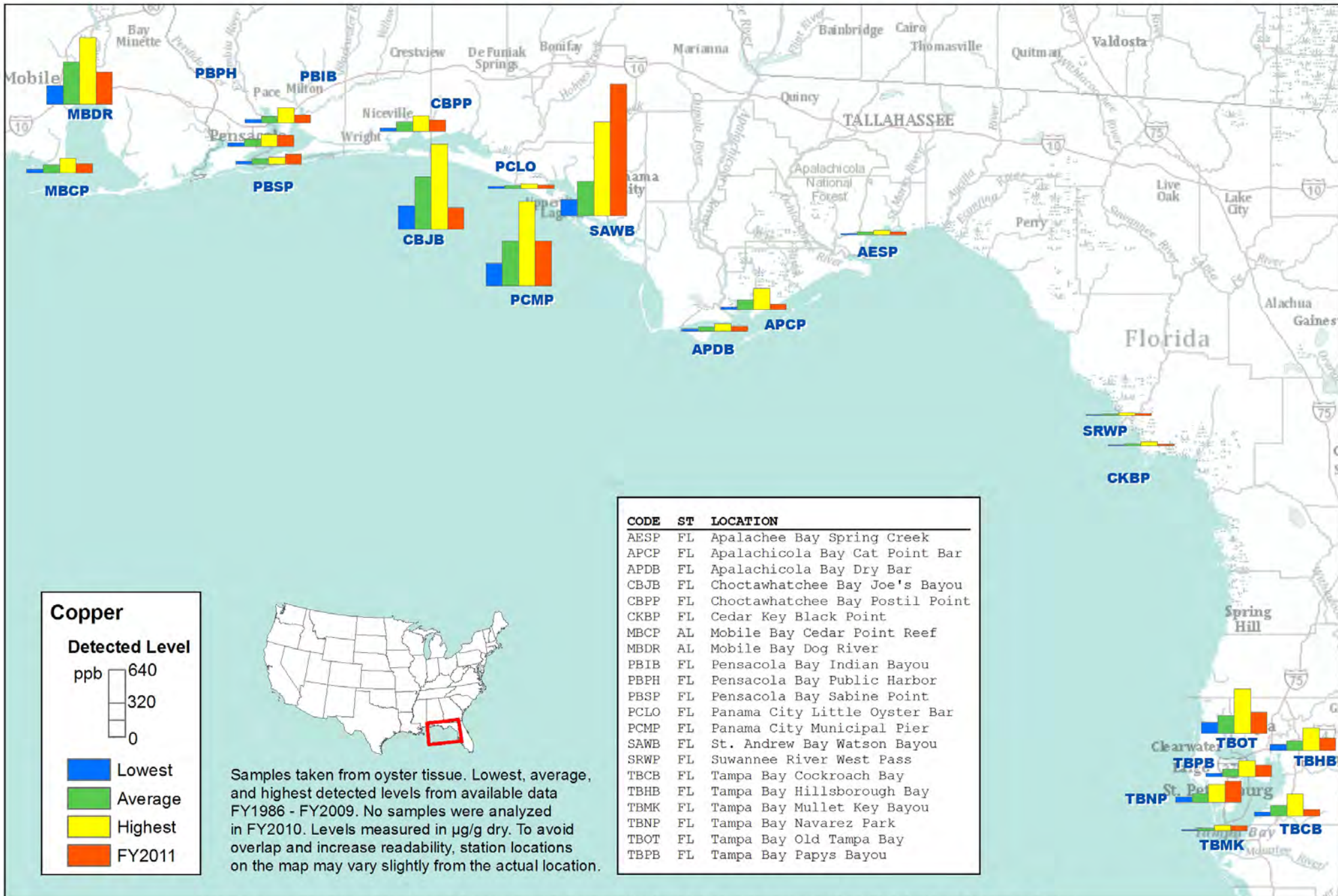
CODE	ST	LOCATION
BBMB	LA	Barataria Bay Middle Bank
BBSD	LA	Barataria Bay Bayou Saint Denis
BRCL	TX	Brazos River Cedar Lakes
CLCL	LA	Caillou Lake Caillou Lake
CLLC	LA	Calcasieu Lake Lake Charles
CLSJ	LA	Calcasieu Lake St. Johns Island
GBCR	TX	Galveston Bay Confederate Reef
GBSC	TX	Galveston Bay Ship Channel
GBTJ	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 Copper Levels at Mussel Watch Sites Before and After the Deepwater Horizon Oil Spill



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Comparison of **Copper** 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	Highest	FY2011 Level		
							Year	Level	Level		Year	Level
AESP	Apalachee Bay	Spring Creek	30.063	-84.322	TIS	µg/g dry	FY2001	18.000	29.989	FY1997	47.000	31.400
APCP	Apalachicola Bay	Cat Point Bar	29.724	-84.884	TIS	µg/g dry	FY2003	25.300	94.595	FY1991	209.000	55.000
APDB	Apalachicola Bay	Dry Bar	29.673	-85.066	TIS	µg/g dry	FY1992	24.070	43.692	FY1993	72.700	48.100
BBMB	Barataria Bay	Middle Bank	29.277	-89.942	TIS	µg/g dry	FY1986	26.000	47.665	FY1987	93.667	20.900
BBSD	Barataria Bay	Bayou Saint Denis	29.405	-89.999	TIS	µg/g dry	FY2005	39.300	116.833	FY1988	308.000	96.900
BRCL	Brazos River	Cedar Lakes	28.858	-95.465	TIS	µg/g dry	FY1994	94.100	220.174	FY1999	423.000	112.000
CBJB	Choctawhatchee Bay	Joe's Bayou	30.411	-86.491	TIS	µg/g dry	FY1994	226.500	505.535	FY2004	821.000	209.000
CBPP	Choctawhatchee Bay	Postil Point	30.482	-86.479	TIS	µg/g dry	FY1994	34.100	90.984	FY2008	152.000	111.000
CKBP	Cedar Key	Black Point	29.207	-83.070	TIS	µg/g dry	FY1990	9.303	17.226	FY1989	38.637	14.600
CLCL	Caillou Lake	Caillou Lake	29.253	-90.927	TIS	µg/g dry	FY2001	72.800	131.332	FY1992	205.890	222.000
CLLC	Calcasieu Lake	Lake Charles	30.059	-93.308	TIS	µg/g dry	FY1994	90.400	238.982	FY2003	664.000	177.000
CLSJ	Calcasieu Lake	St. Johns Island	29.829	-93.384	TIS	µg/g dry	FY2009	95.300	195.127	FY1990	394.807	153.000
GBCR	Galveston Bay	Confederate Reef	29.263	-94.916	TIS	µg/g dry	FY1995	79.594	155.632	FY1989	283.820	180.000
GBSC	Galveston Bay	Ship Channel	29.705	-94.993	TIS	µg/g dry	FY2001	50.600	140.793	FY1992	279.900	156.000
GBTD	Galveston Bay	Todd's Dump	29.503	-94.896	TIS	µg/g dry	FY2009	68.100	148.697	FY1990	221.567	99.800
GBYC	Galveston Bay	Yacht Club	29.622	-94.996	TIS	µg/g dry	FY2009	101.000	162.289	FY1987	341.333	106.000
LBGO	Lake Borgne	Gulf Outlet	29.945	-89.835	TIS	µg/g dry	FY2006	120.000	279.281	FY1995	962.191	184.000
LBMP	Lake Borgne	Malheureux Point	29.867	-89.679	TIS	µg/g dry	FY2000	67.400	248.394	FY1990	491.070	284.000
MBCP	Mobile Bay	Cedar Point Reef	30.316	-88.134	TIS	µg/g dry	FY2008	34.000	76.911	FY1992	140.730	86.500
MBDR	Mobile Bay	Dog River	30.592	-88.040	TIS	µg/g dry	FY2000	180.000	409.249	FY1998	647.000	315.000
MSBB	Mississippi Sound	Biloxi Bay	30.393	-88.858	TIS	µg/g dry	FY1986	143.333	253.937	FY1998	617.000	136.000
MSPB	Mississippi Sound	Pascagoula Bay	30.336	-88.589	TIS	µg/g dry	FY2006	63.400	117.569	FY1994	176.300	72.800
MSPC	Mississippi Sound	Pass Christian	30.302	-89.327	TIS	µg/g dry	FY2002	120.000	192.962	FY1998	320.000	109.000
PBIB	Pensacola Bay	Indian Bayou	30.517	-87.112	TIS	µg/g dry	FY1989	36.043	63.673	FY1998	149.000	78.200
PBPH	Pensacola Bay	Public Harbor	30.414	-87.191	TIS	µg/g dry	FY1994	36.900	72.864	FY1990	112.533	112.000
PBSP	Pensacola Bay	Sabine Point	30.350	-87.155	TIS	µg/g dry	FY2000	30.800	55.045	FY2006	70.600	98.700
PCLO	Panama City	Little Oyster Bar	30.251	-85.681	TIS	µg/g dry	FY1990	20.733	32.825	FY2001	45.100	36.500
PCMP	Panama City	Municipal Pier	30.151	-85.663	TIS	µg/g dry	FY1990	217.537	429.662	FY2001	812.000	432.000
SAWB	St. Andrew Bay	Watson Bayou	30.143	-85.632	TIS	µg/g dry	FY1988	153.333	331.721	FY2001	906.000	1270.000
SLBB	Sabine Lake	Blue Buck Point	29.791	-93.906	TIS	µg/g dry	FY1986	90.000	255.999	FY1987	493.667	194.000
SRWP	Suwannee River	West Pass	29.329	-83.174	TIS	µg/g dry	FY1988	9.333	17.407	FY2003	28.000	19.500
TBCB	Tampa Bay	Cockroach Bay	27.681	-82.518	TIS	µg/g dry	FY1990	39.767	104.602	FY1998	215.000	66.200
TBHB	Tampa Bay	Hillsborough Bay	27.855	-82.395	TIS	µg/g dry	FY1987	54.333	91.559	FY2008	220.000	122.000
TBLB	Terrebonne Bay	Lake Barre	29.260	-90.594	TIS	µg/g dry	FY1996	56.000	109.631	FY1998	219.000	97.300
TBMK	Tampa Bay	Mullet Key Bayou	27.621	-82.727	TIS	µg/g dry	FY1988	9.667	25.090	FY2006	51.800	49.800
TBNP	Tampa Bay	Navarez Park	27.787	-82.754	TIS	µg/g dry	FY1994	54.600	88.313	FY2006	179.000	206.000
TBOT	Tampa Bay	Old Tampa Bay	28.024	-82.633	TIS	µg/g dry	FY1994	106.700	172.992	FY2006	431.000	207.000
TBPB	Tampa Bay	Papys Bayou	27.844	-82.612	TIS	µg/g dry	FY1996	37.000	72.992	FY1990	158.450	111.000
VBSP	Vermilion Bay	Southwest Pass	29.580	-92.051	TIS	µg/g dry	FY2001	209.000	406.025	FY1997	765.000	399.000

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