

Swan Lake 3/16/09: "Dermo" (*Perkinsus marinus*) Infections, Meat Index of Oysters and Phytoplankton Data

			1	2	3	4	5	6	7	8	9**	10	11*(3/25/09)
	Physical conditions	Salinity (‰)	24.9	23.1	20.1	17.0	17.5	24.7	24.8	24.9	ND	17.3	27.0
		Temperature (°C)	15.7	21.9	22.9	25.1	24.0	14.5	13.8	14.0	ND	21.8	23.0
Dermo/ Oyster Data	Market Sized Oysters	Prevalence (%)	75.00	90.00	81.81	100.00	85.71	90.00	90.00	80.00	ND	90.00	100.00
		Weighted Prevalence	1.39	1.43	1.36	1.34	1.57	1.70	1.24	2.07	ND	1.70	2.00
		Oyster Meat Index (Average 10 Market Oysters)	12.32	11.41	10.69	12.59	13.11	13.44	11.35	12.45	ND	9.63	12.15
	Spat	No. Spat/Shell	ND	1.6	0.5	2.0	1.2	2.8	ND	1.2	ND	ND	0.6
		Prevalence (%)	ND	80.00	27.30	58.82	40.00	31.60	ND	25.00	ND	ND	70.59
		Weighted Prevalence	ND	1.60	0.48	1.32	0.43	0.35	ND	0.13	ND	ND	1.43
	Phyto- plankton Data	Algal group Abundance (µg Chl a per liter)	Brown Algae	4.05	1.46	0.66	2.45	1.08	1.91	3.03	1.38	0.86	0.65
Cyano-bacteria			0.13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Green Algae			0.58	0.17	0.03	0.28	0.17	0.14	0.32	0.16	0.04	0.03	0.61
Euglenoids			0.75	0.74	0.24	0.86	0.29	0.43	0.51	0.39	0.15	0.15	1.02
Crypto-phytes			0.62	0.53	0.13	0.53	0.19	0.58	0.38	0.31	0.20	0.14	0.21
Red Algae			0.00	0.00	0.00	0.00	0.07	0.00	0.03	0.03	0.00	0.00	0.00

No data is indicated by **ND**

* Station 11 is high salinity control in West Galveston Bay (spat bag deployed May, 15 2007)

** No oysters collected at station 9

*** Phytoplankton with the highest abundance highlighted in **blue**

Brown Algae	Diatoms and Dinflagellates
Cyano-bacteria	Blue-green algae
Green Algae	Prasinophytes and Chlorophytes
Euglenoids	Euglena
Crypto-phytes	"
Red Algae	Hapatophytes A, Chrysophytes A, Dinoflagellates C and Others