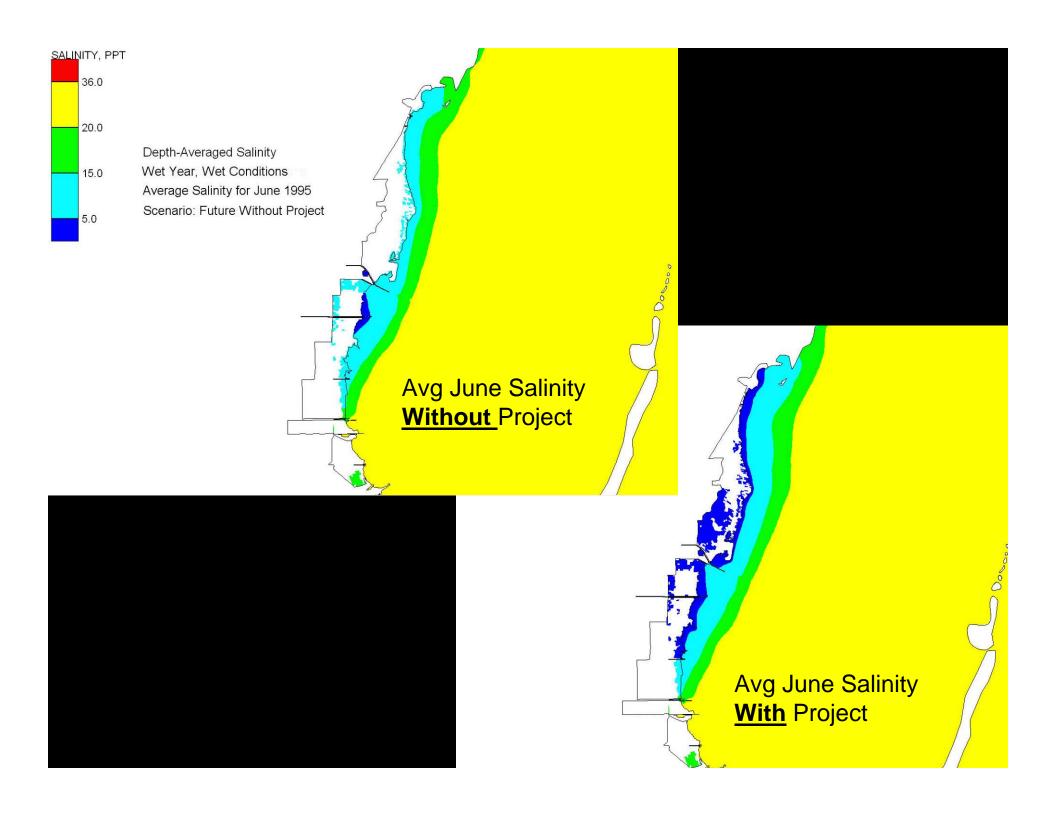
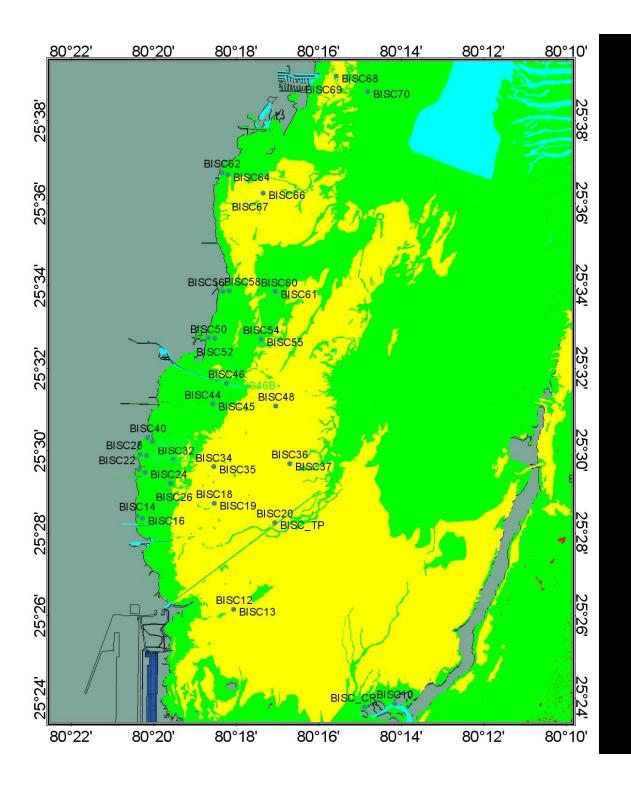




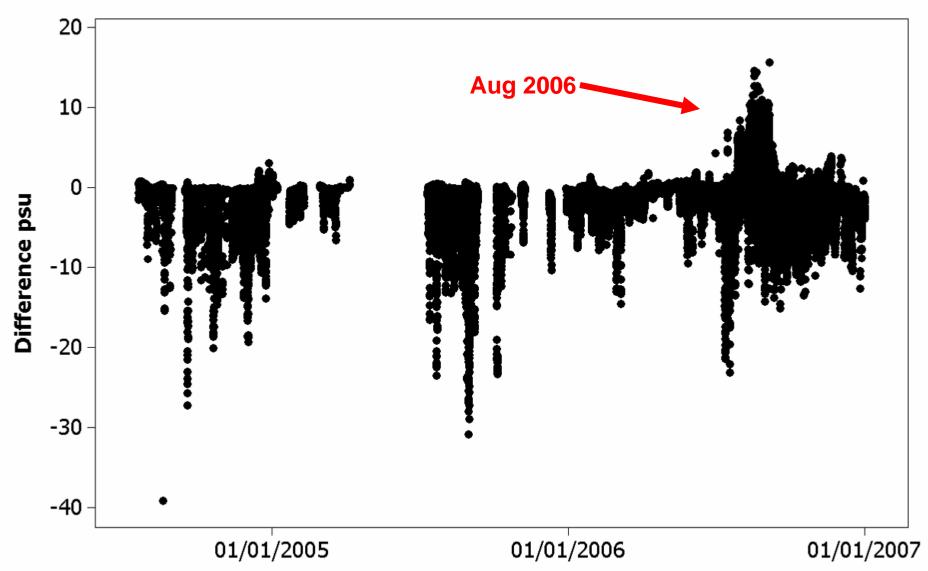
BBCW "Alt O"
Phase I
Restoration Plan



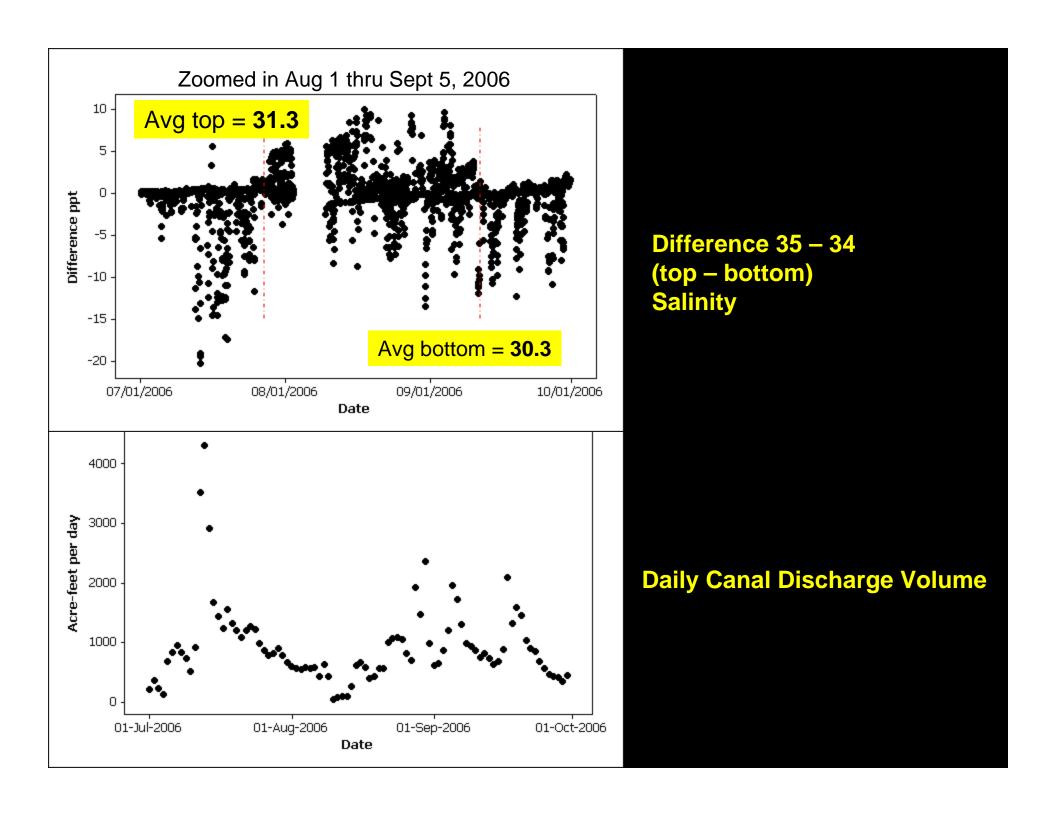


Biscayne Bay Continuous Salinity Monitoring Network

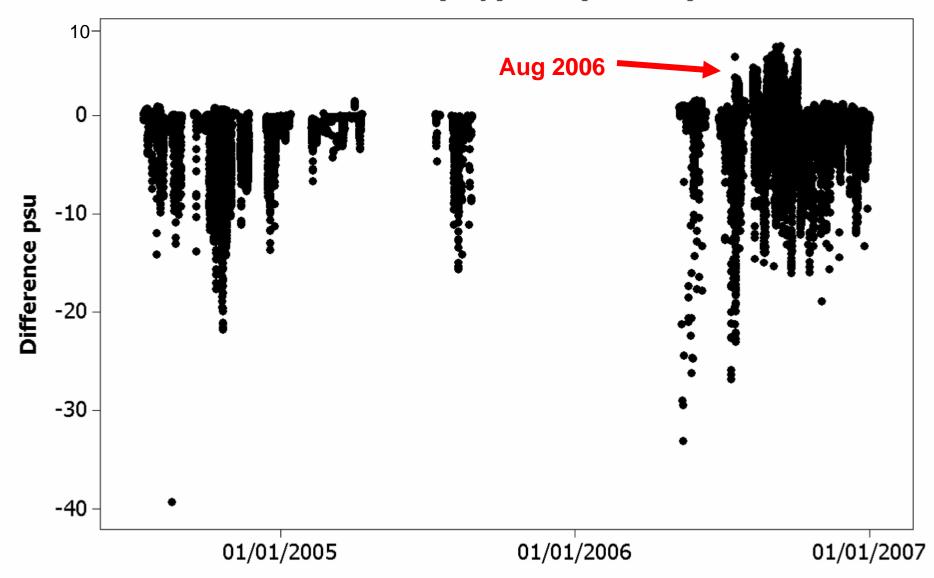




Phenomenon of "fresher on bottom"

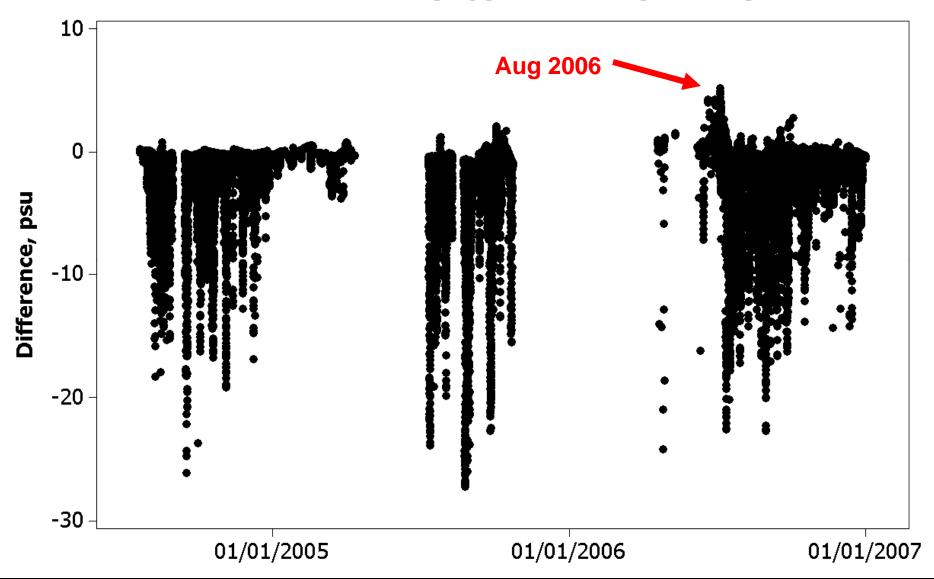


Difference 19 (Top) - 18 (bottom)

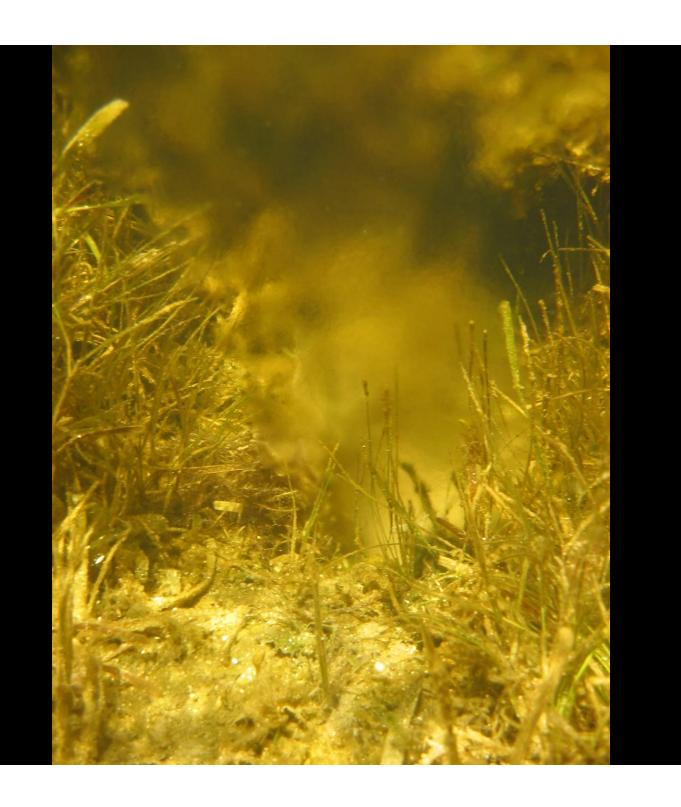


Phenomenon of "fresher on bottom" occurs elsewhere in Bay

Difference Site 55 (top) minus 54 (bottom)



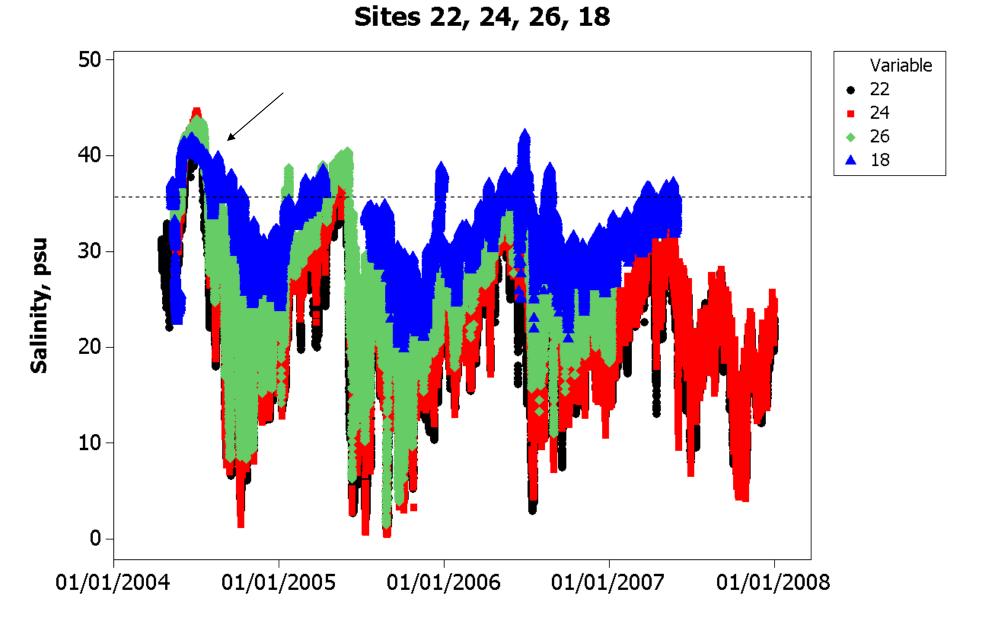
Phenomenon of "fresher on bottom" occurs elsewhere in Bay





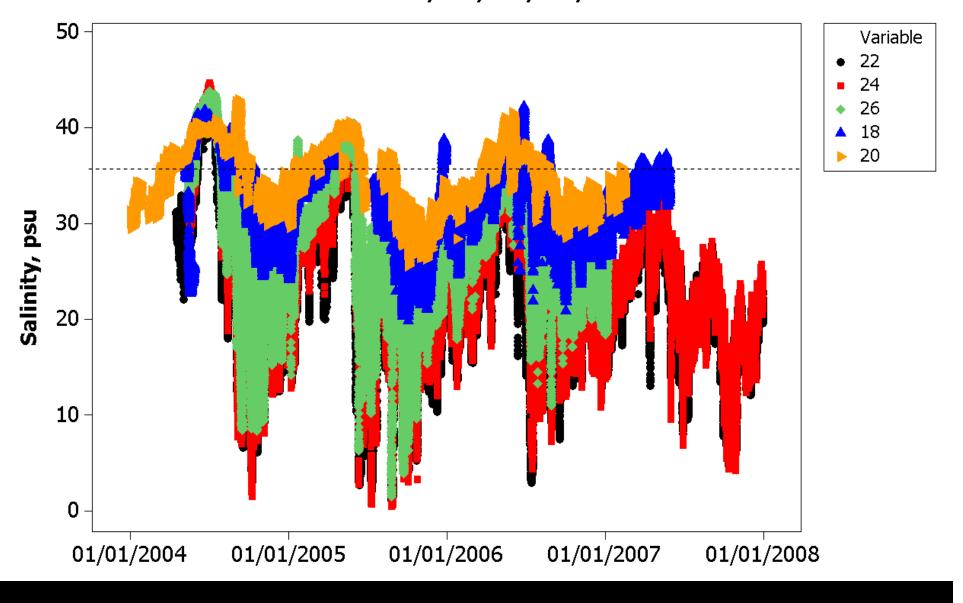


h-- 22 24 26



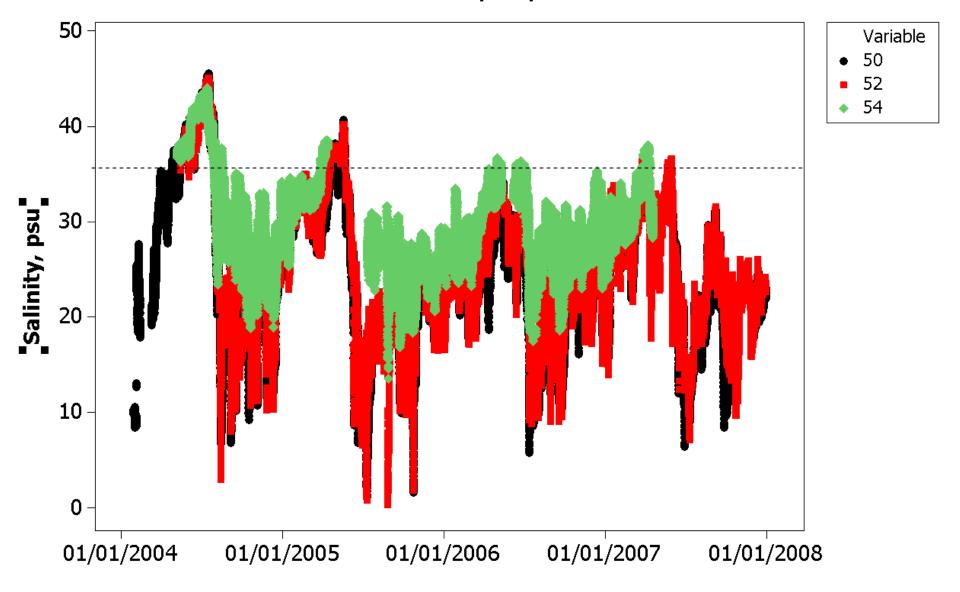


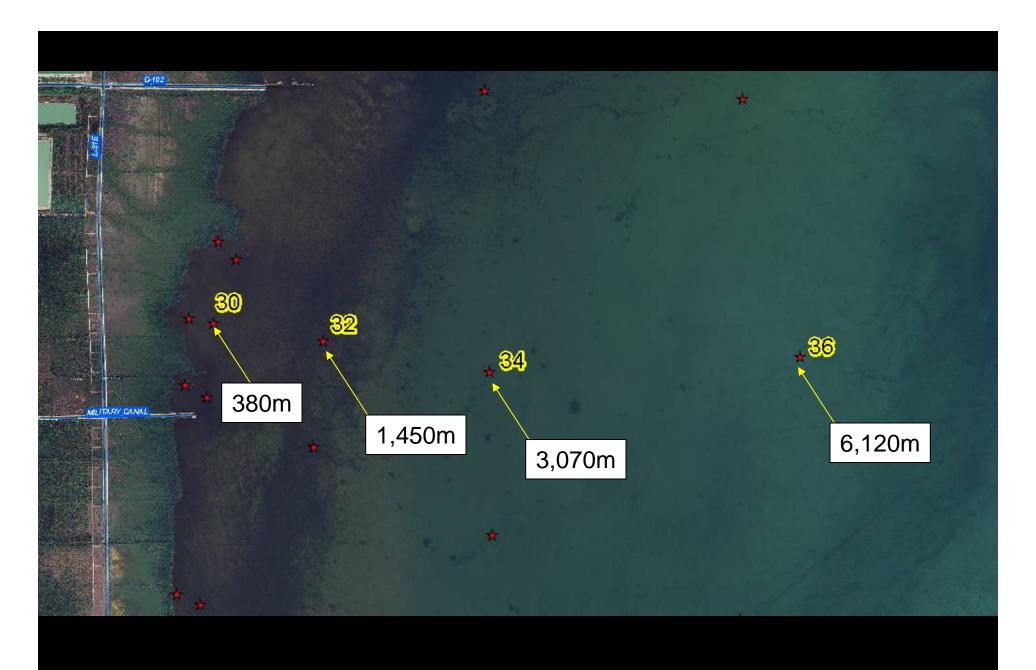
Sites 22, 24, 26, 18, 20



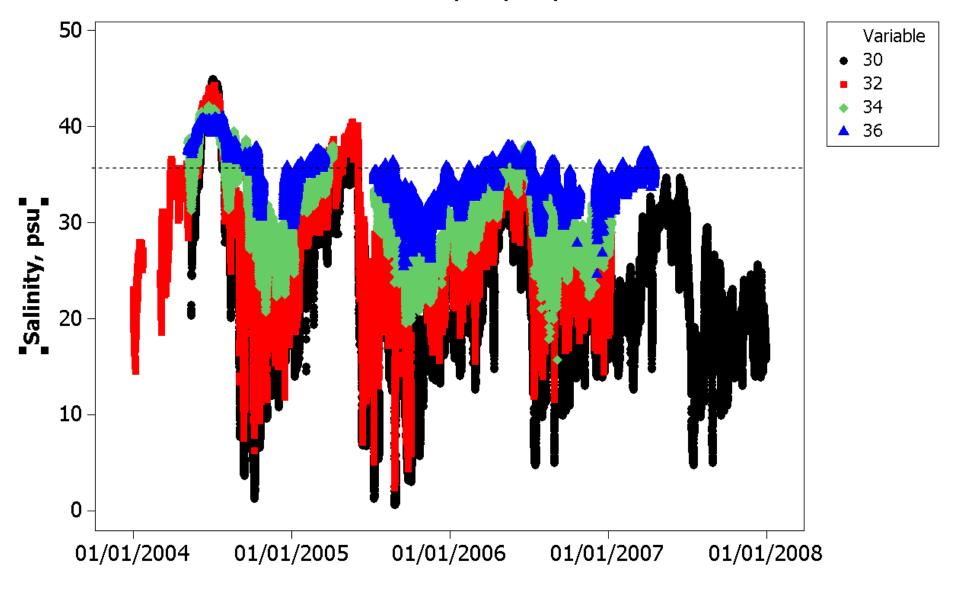


Sites 50, 52, 54





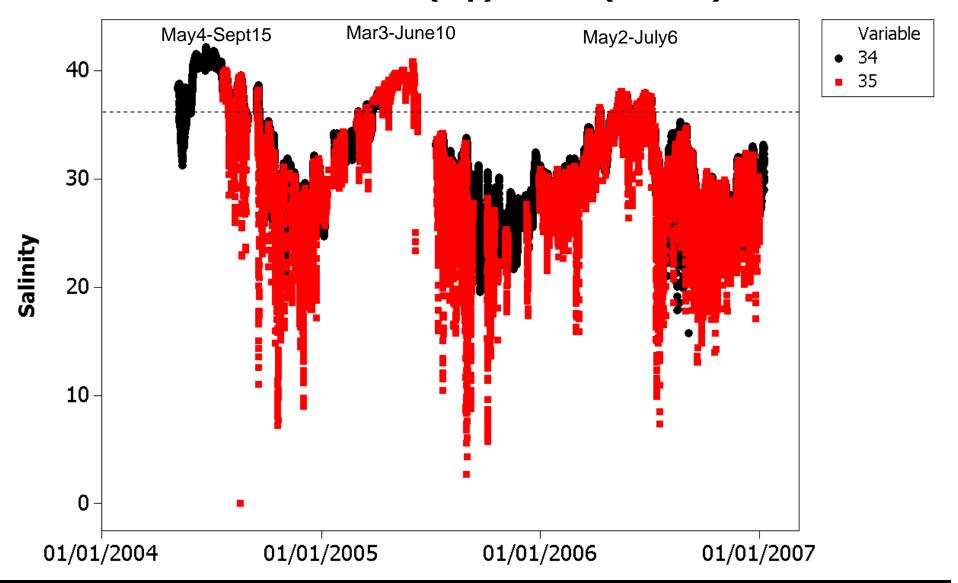
Sites 30, 32, 34, 36





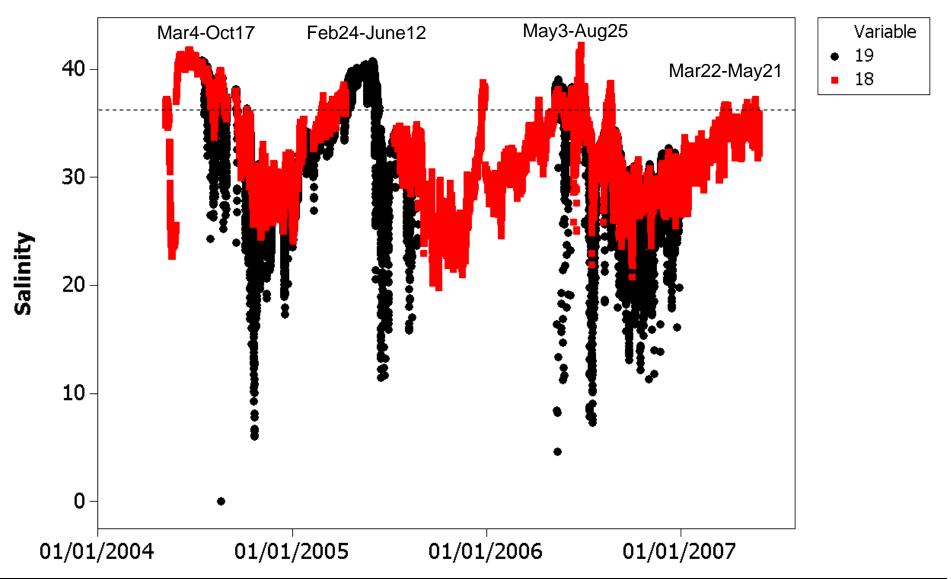
Top and Bottom Paired Sites

Paired Sites 35 (top) and 34 (bottom)

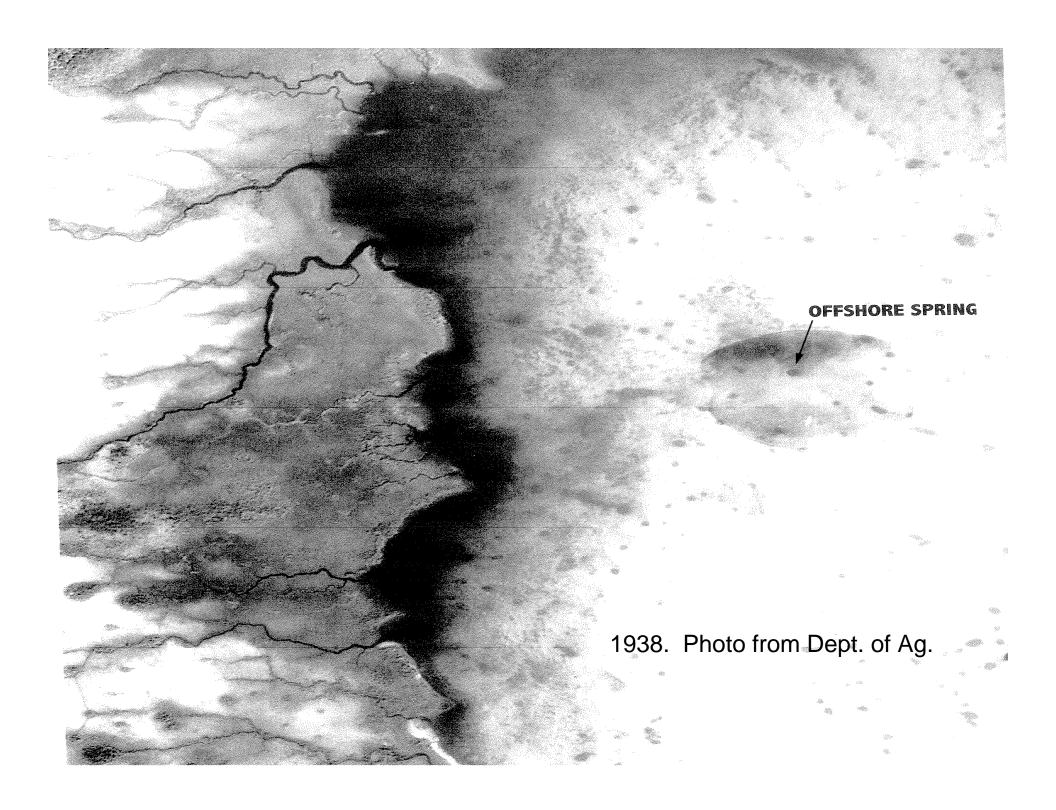


Hypersalinity Events – Top to Bottom

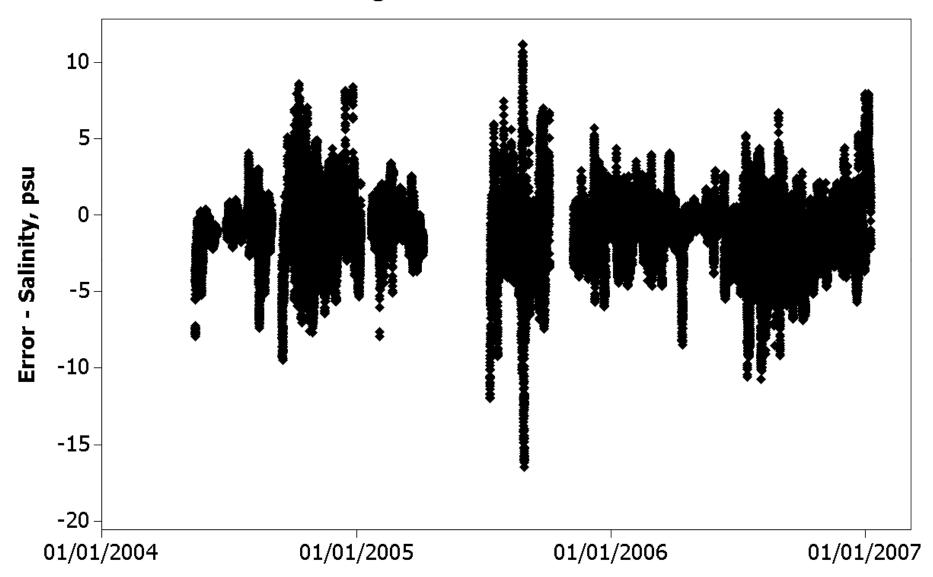
Paired Sites 19 (top) and 18 (bottom)



Hypersalinity Events – Top to Bottom

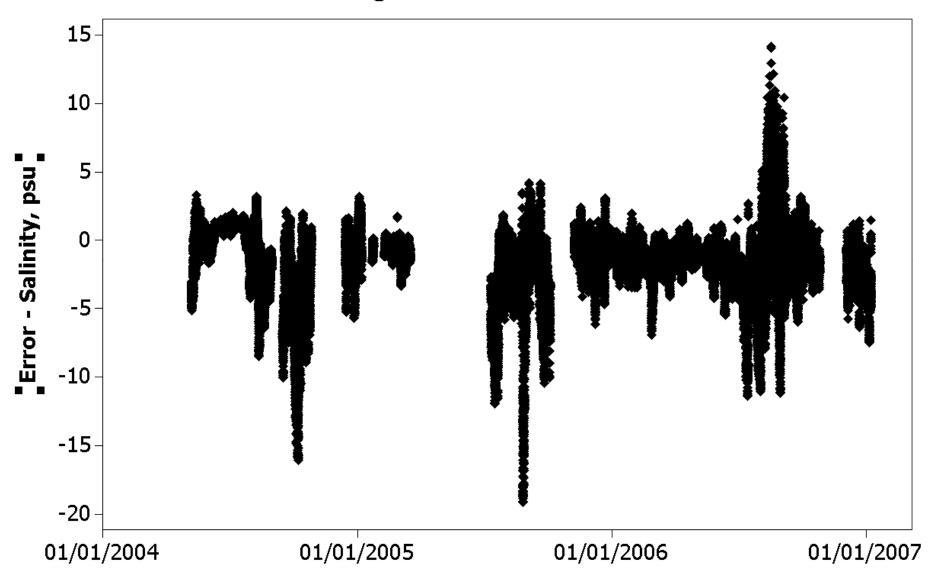


Error in Predicting 32 from Distance to 30 and 34

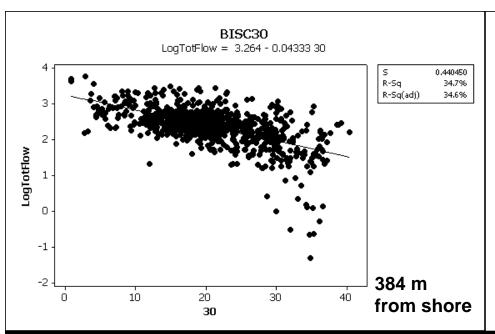


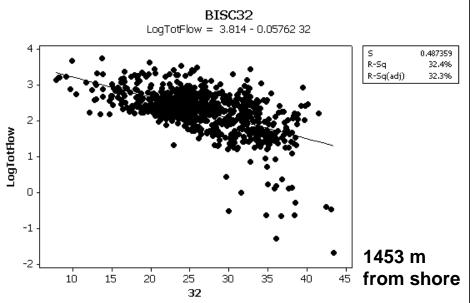
Accuracy of Predicted Salinity from Salinity at Bracketing Sites along Transect

Error in Predicting 34 from Distance to 32 and 36

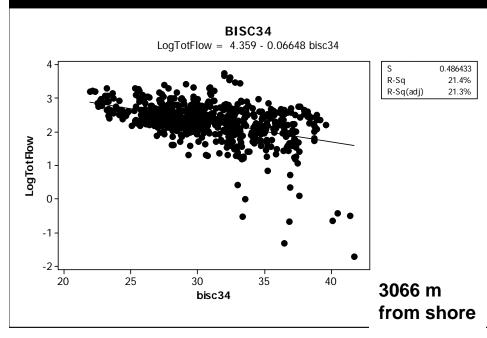


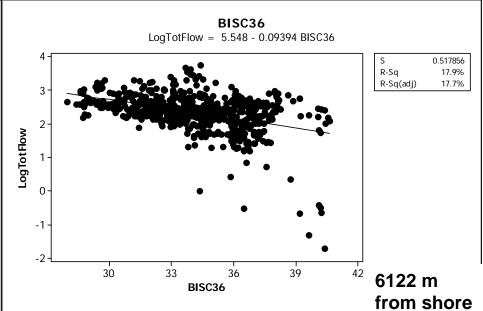
Accuracy of Predicted Salinity from Salinity at Bracketing Sites along Transect

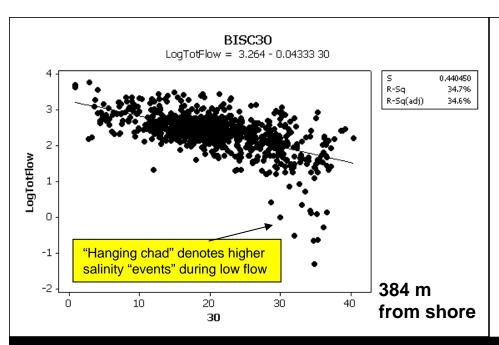


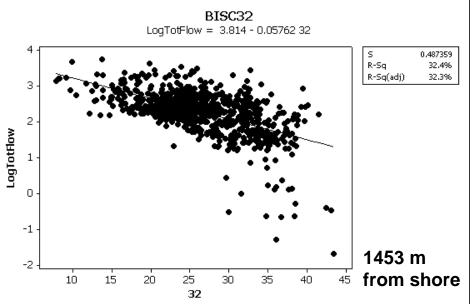


Salinity along 30-32-34-36 transect as function of Canal Discharge

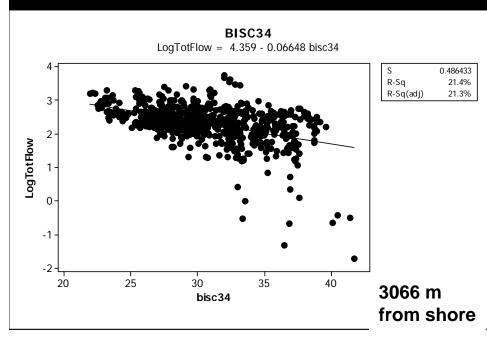


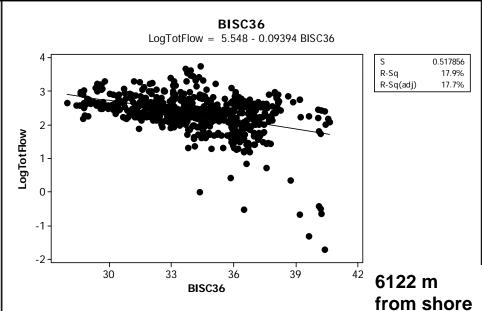


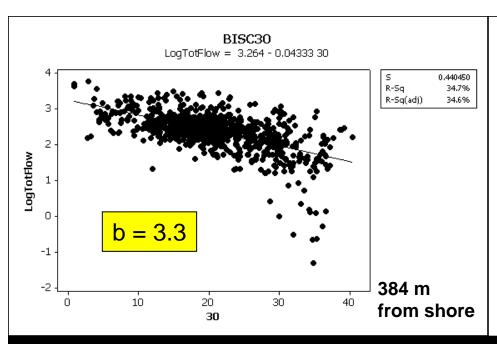


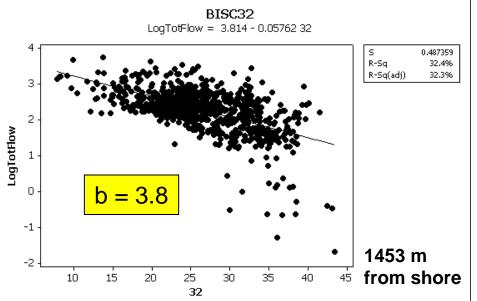


Salinity along 30-32-34-36 transect as function of Canal Discharge

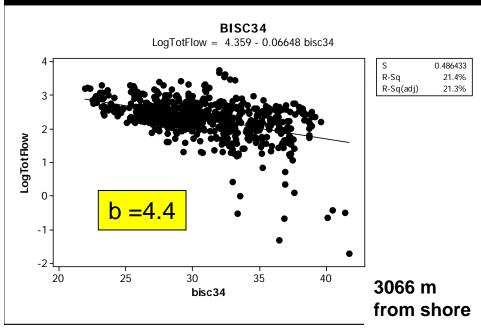


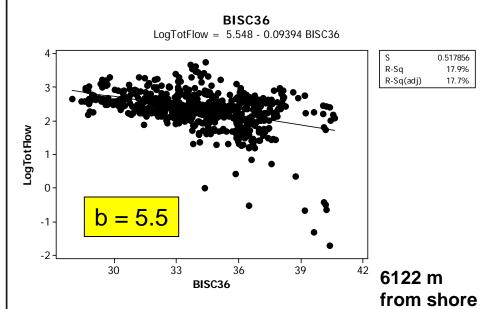


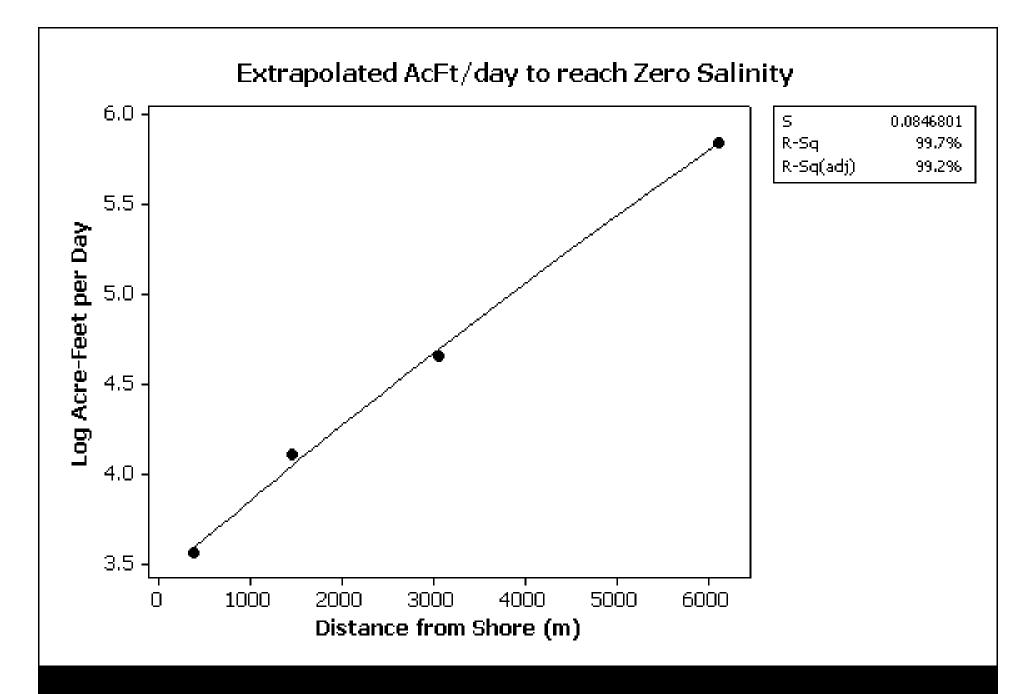




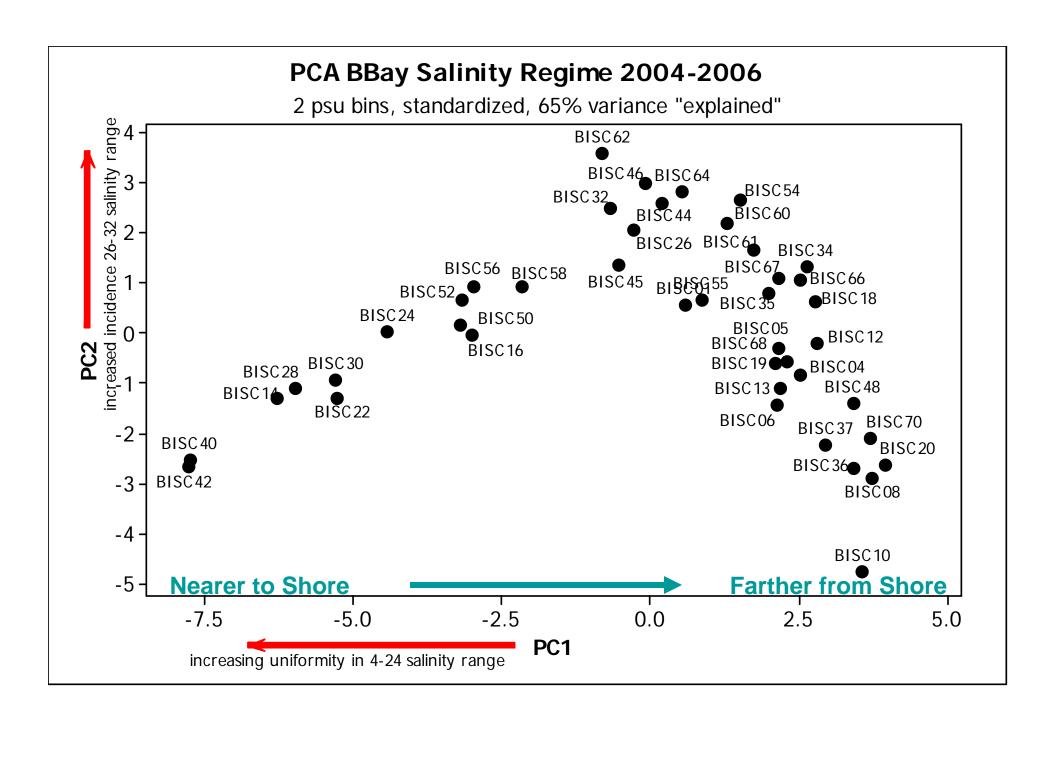
Salinity along 30-32-34-36 transect as function of Canal Discharge

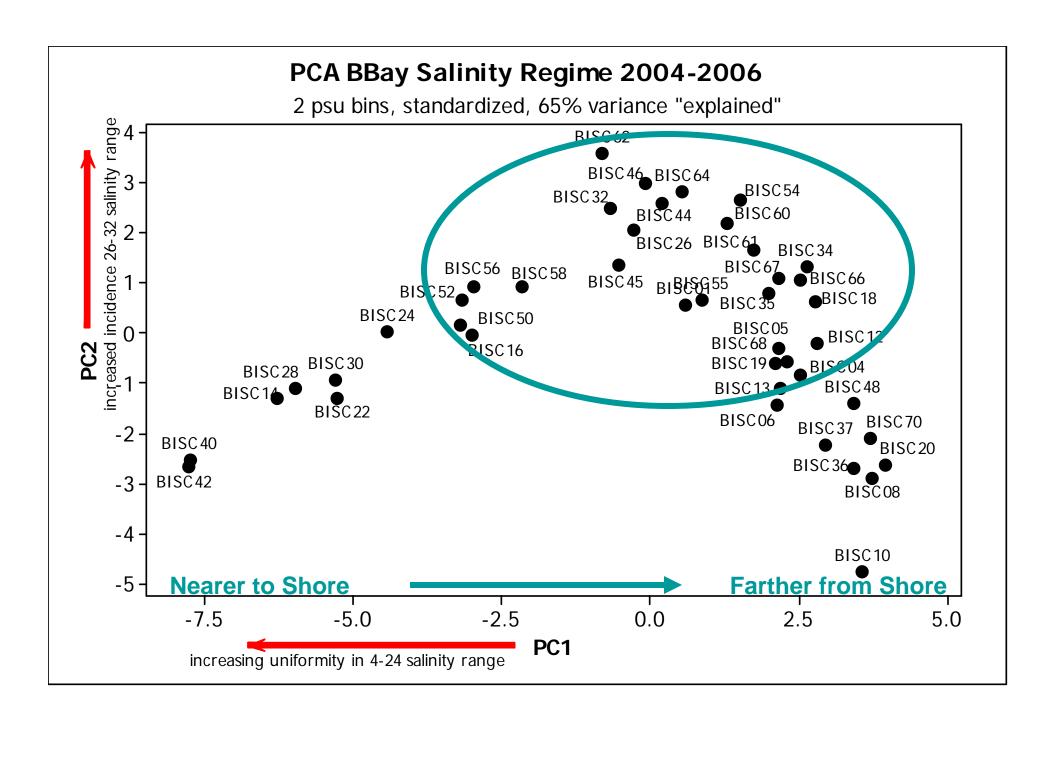


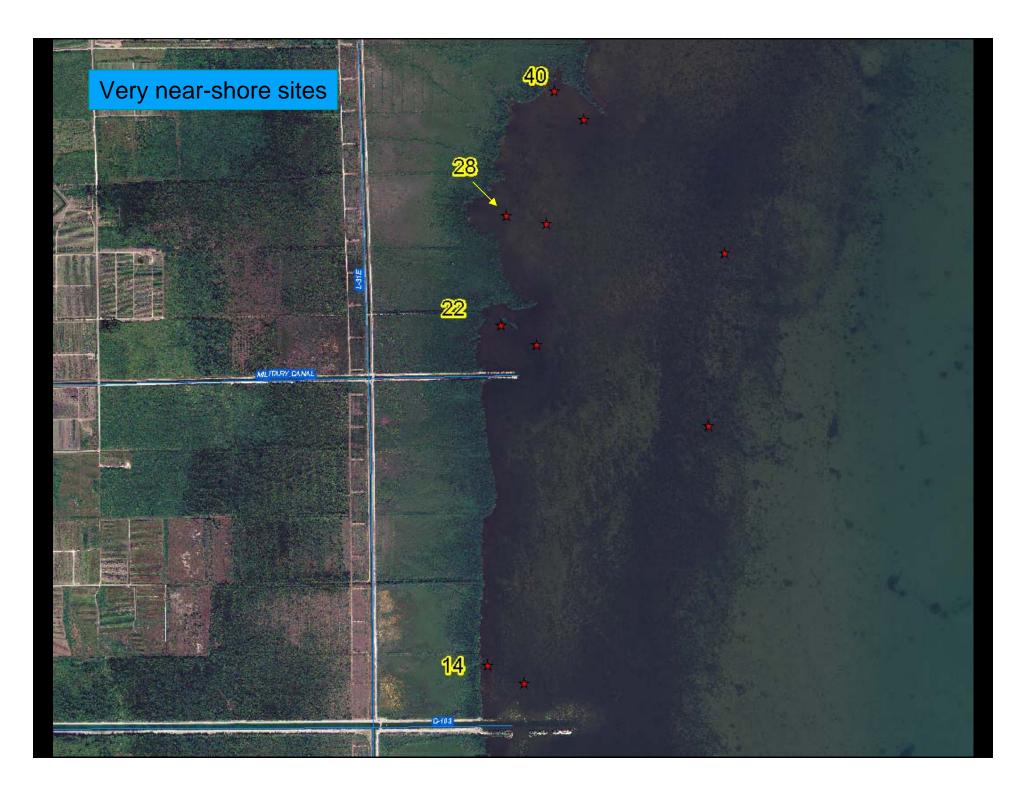


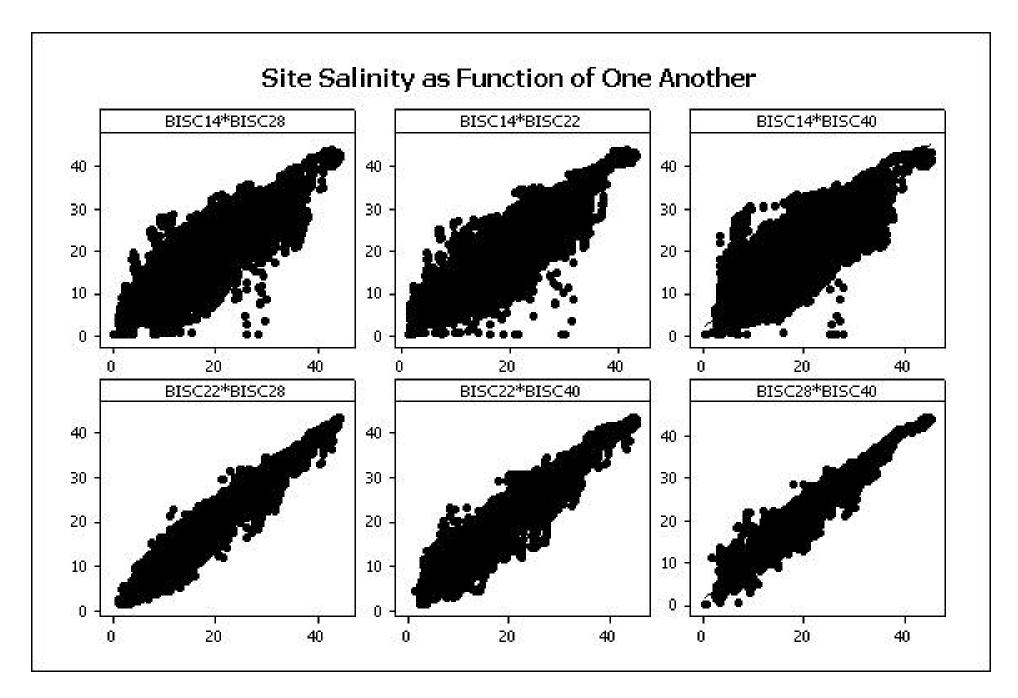


Salinity in Bay can be to large extent "explained" by canal discharge volumes.

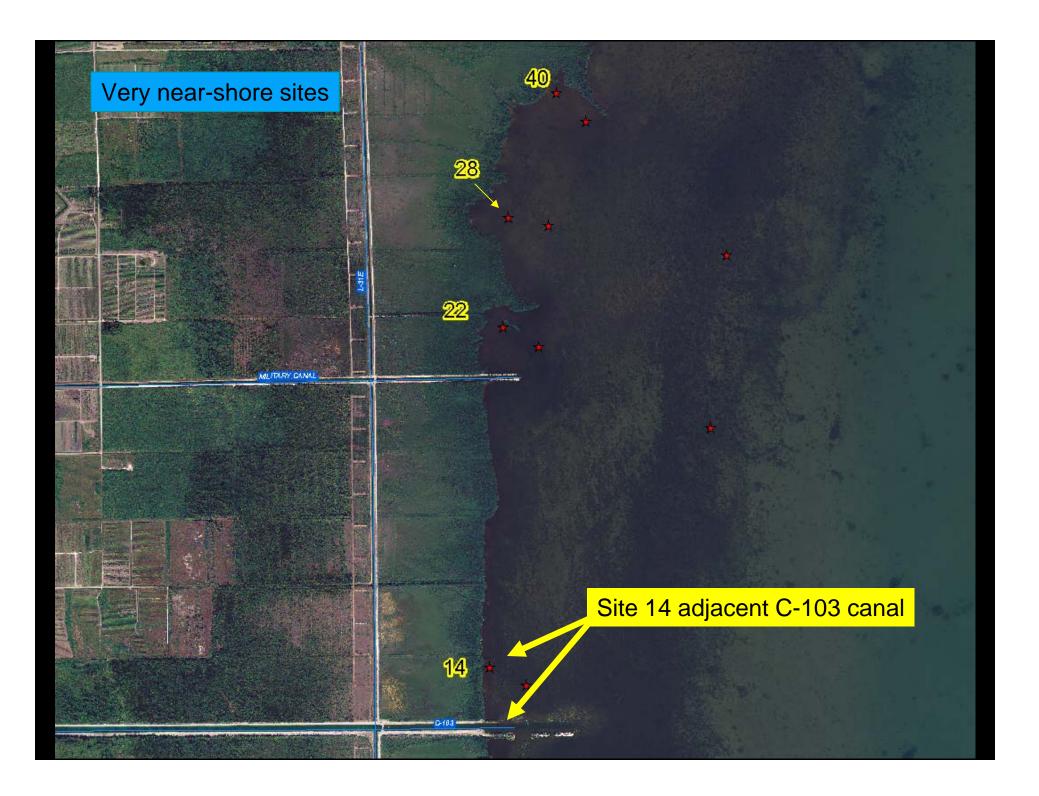






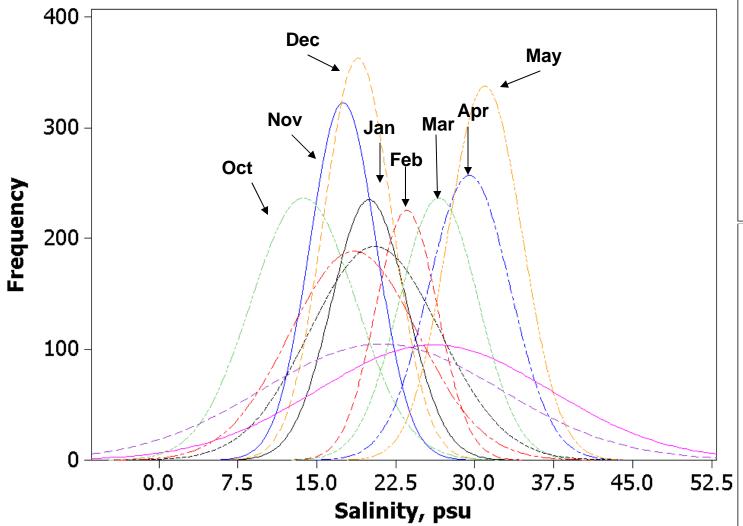


Very near-shore sites (<150m)



Histogram of 22

Normal

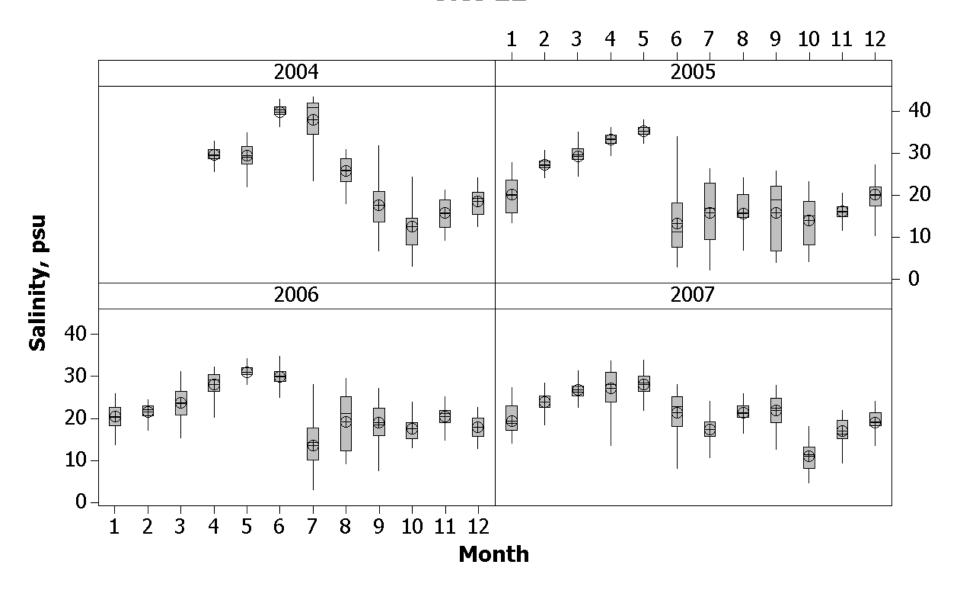


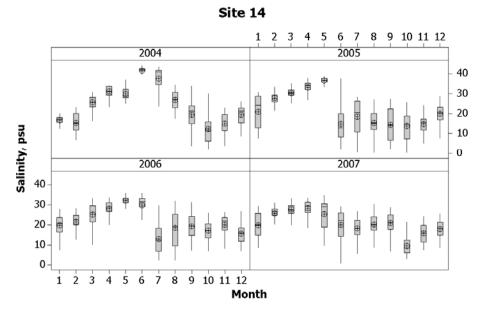
Month		
	1	
	2	
	3	
	4	
	5	
	6	
	7	
	8	
	9	
	10	
	11	
	12	

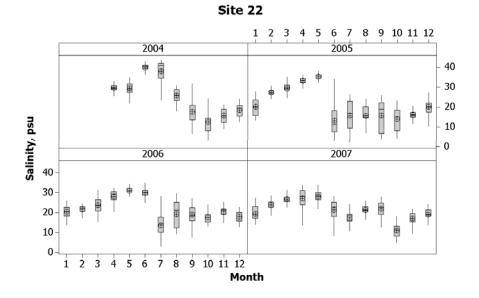
Mean	StDev	N
19.98	3.561	8399
23.55	2.945	6663
26.61	3.761	8926
29.51	3.887	10027
30.99	3.515	11904
26.12	11.06	11520
21.14	11.34	11904
20.53	6.165	11903
18.54	6.103	11520
13.75	4.970	11793
17.51	3.164	10233
18.92	3.248	11825

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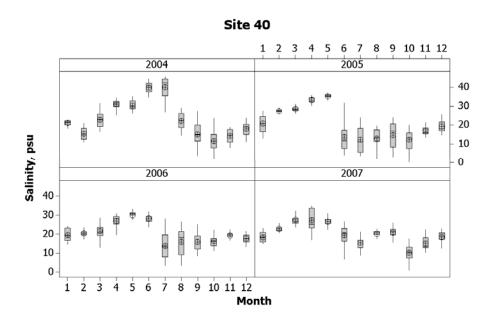
Site 22

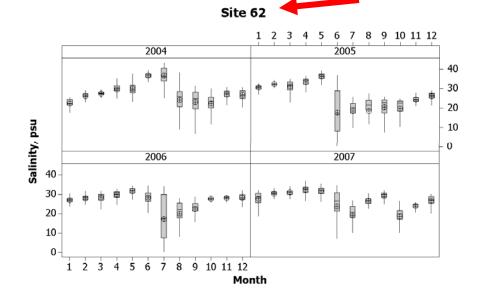




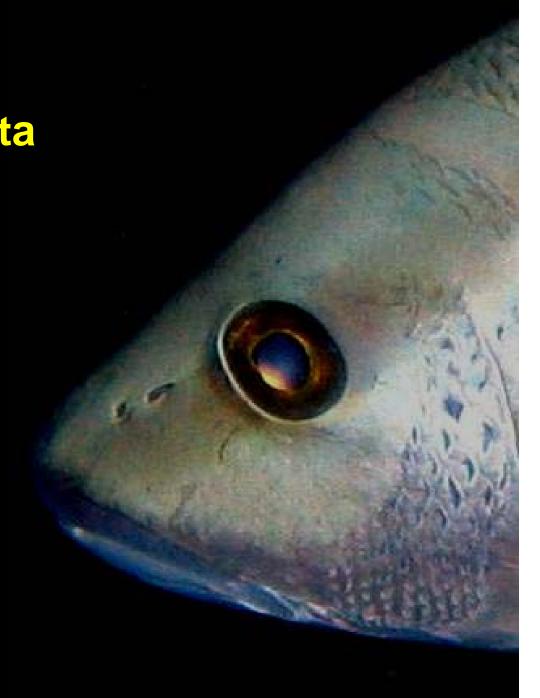


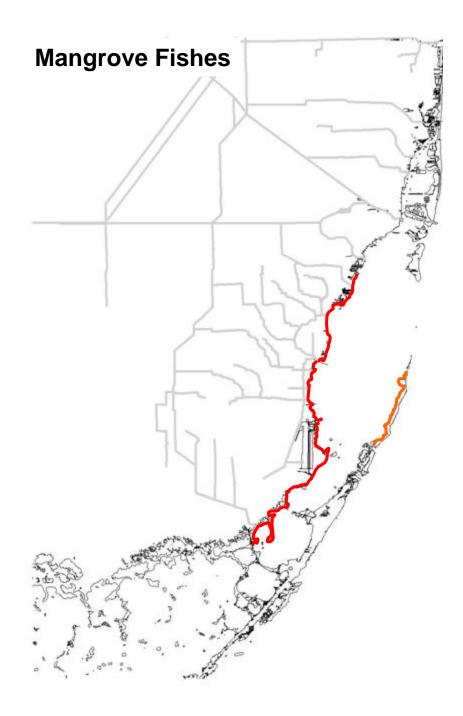
Salinity at 4 Nearshore sites, by year, by month

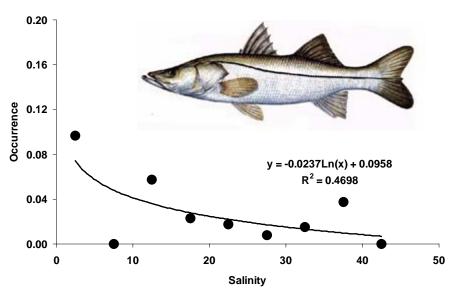


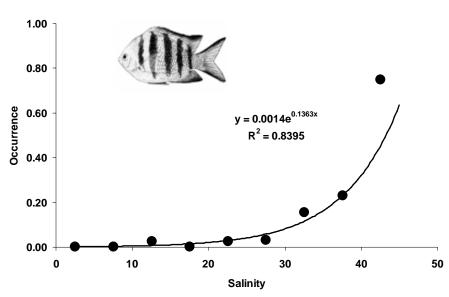


Linking Salinity Data to Ecological Response





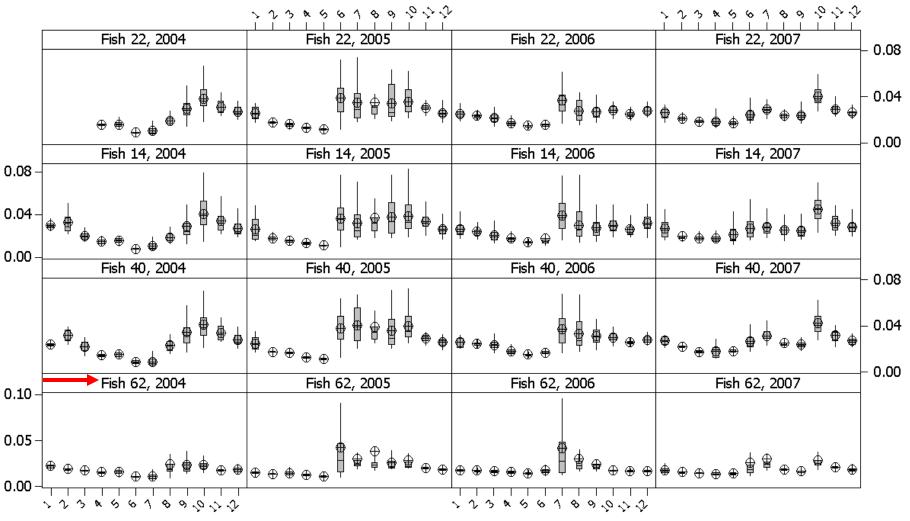




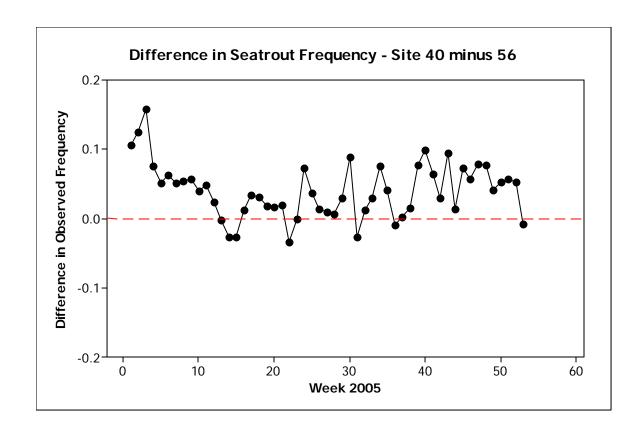
Courtesy J.Serafy 2008

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Juvenile Seatrout Occurence as function of Salinity



Month



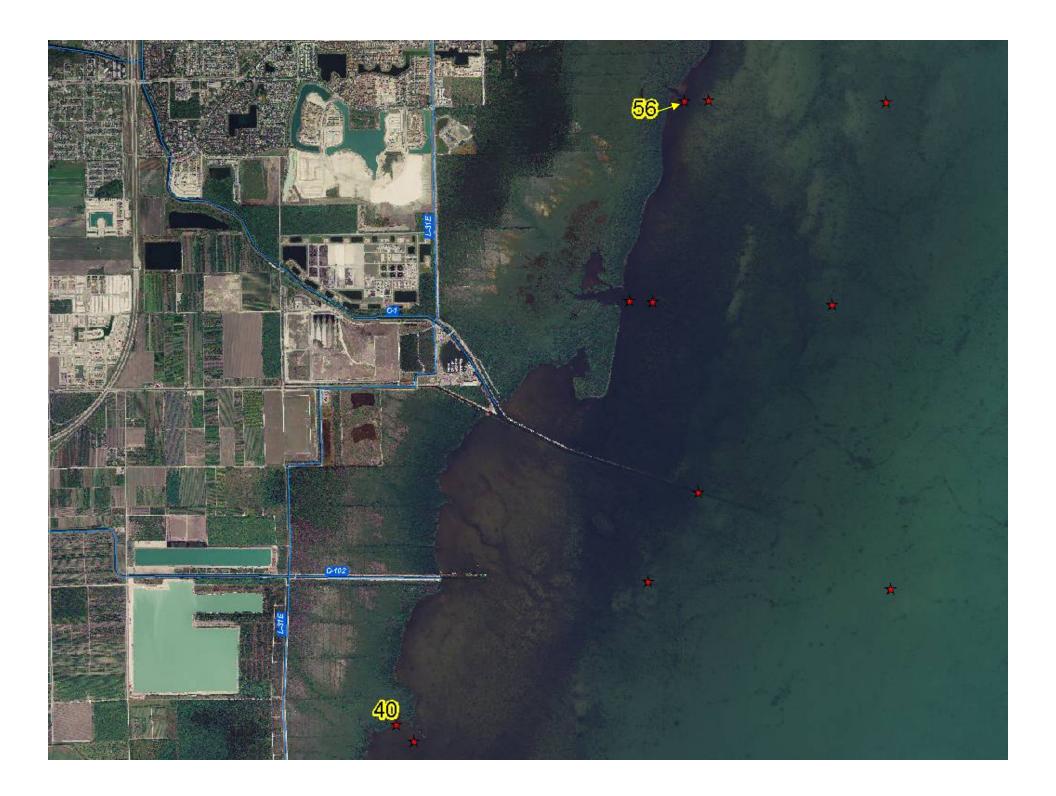
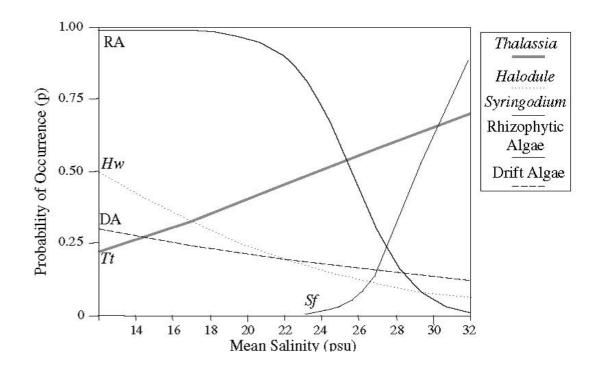


Fig. 6 Probability of occurrence of SAV taxa in relation to mean salinity during the wet season fitted with logistic regression. The low abundance of *Ruppia* precluded this species from being included in this analysis



Salinity – SAV relationships also being developed

Sample Station Salinity Statistics from Model



File

