

Table 33(a)-1 Comparison of Shoreline Change Rates and Extrapolated Volumetric Changes (Pre- and Post-Closure at Midnight Pass)

MON. ID	Distance (ft)	Cumulative Distance	Azimuth	SHORELINE CHANGE RATE(Ft/Yr)		Volume Change Rate		POST-CLOSURE				PRE-CLOSURE								
				PRE-CLOSURE	POST-CLOSURE	Cy/(Ft*Yr)		Estimated Volume Change	Volume	CUM Vol	Average Volumetric Change Rate	Estimated Volume Change	Volume	CUM Vol	Average Volumetric Change Rate					
				1943 ~ 1978	1985/1987 ~2001	1974 - 1987	1987 - 2001	CY/Ft/Yr	CY/Yr	CY/Yr	CY/Ft/Yr	CY/Ft/Yr	CY/Yr	CY/Yr	CY/Yr	CY/Ft/Yr				
R70			250.0	-0.9	-3.3															
R71	974	974	250.0	1.4	-3.5				-5.3	-4969	-4969			-1.4						
R72	1031	2005	255.0	1.5	-1.7	-0.9	0		-2.6	-4021	-8990			2.1	365	365				
R73	995	3000	255.0	2.1	-1.3				-2.0	-2238	-11228			2.3	2242	2608				
R74	1003	4003	255.0	1.3	-3.2				-4.8	-3384	-14612			3.2	2686	5293				
R75	1032	5035	255.0	-0.1	-4	-11.7	-2.2		-6.0	-5573	-20185			2.0	2557	7850				
R76	1014	6048	250.0	0.5	-0.5				-0.8	-3421	-23606			-0.2	929	8779				
R77	979	7028	255.0	6.8	-5.25				-0.8	-3421	-23606			0.8	304	9083				
R78S	1360	8387	165.0	13.2										10.2	5361	14444				
R78		8387	255.0	10.7	-5.8	2.9	-4.6		-8.7	-11271	-39100	-4.7		19.8						
R79N	977	0	320.0	-8.7										-13.1		0				
R79		977	230.0	0.8	1.9				2.9					1.2		0				
R80	1077	2054	250.0	-3.8	-7.8				-11.7	-4765	-4765			-5.7	-2423	-2423				
R81	963	3017	255.0	-3.8	3.3	2.7	3		5.0	-3250	-8015			-5.7	-5489	-7912				
R82	993	4010	255.0	-4.7	6.8				10.2	7522	-492			-7.1	-6331	-14243				
R83	999	5009	255.0	-2.4	1.4				2.1	6143	5651			-3.6	-5319	-19562				
R84	927	5936	260.0	-2.9	4.1	-0.8	1.6		6.2	3823	9474			-4.4	-3684	-23246				
R85	987	6923	250.0	-0.6	0.3				0.5	3258	12732			-0.9	-2592	-25837				
R86	1066	7989	250.0	0.1	-0.3				-0.5	0	12732			0.2	-400	-26237				
R87	911	8900	255.0	-1.2	1.4	0.2	4.2		2.1	752	13484			-1.8	-752	-26989				
R88	1064	9963	260.0	-1.6	1.1				1.7	1995	15478			-2.4	-2234	-29223				
R89	1079	11042	255.0	-0.2	1.9				2.9	2427	17905	1.6		-0.3	-1456	-30679			-2.8	
W/O Ebb Shoal Influence to Casey Key											17905	1.6								
W/ Ebb Shoal Influence Adjustment equal to 630,000CY (40 CU/Yr) to Casey Key											-21470	-2.0								

Midnight Pass  
South Limit of Siesta  
Key Analysis

South Limit of Casey  
Key Analysis