Summary of Results for June Home Owners Association Meeting

	Costs Asso	Shoreline Change in 1-Year (High Water Level)				Nearshore Volume Change in 1-Year (High Water Level)				Cost to Renourish bas				
Solution	Solution Cost Based on 2009 Costs	Cost per Shore Property	Cost per Inland Property	Grand Beach	Forest Beach	Warwick Shores	Sunset Shores	Grand Beach	Forest Beach	Warwick Shores	Sunset Shores	Placement Rate	Cost per Shore Property (2009)	Cost per Inland Property (2009)
				Positive	values are ga	iins in beach wi	dth (ft)	Posi	itive values are gair	ns in nearshore volur	ne (cy)	(Yearly rate of Placement)	(\$)	(\$)
												1-year	\$839	\$247
25,000cy Nourishment at	• • ·••-	• · · ·										2-years	\$419	\$123
Sunset Shores	\$573,465	\$1,423	\$419	3.28	1.84	1.87	26.56	-78	228	1,007	22,620	3-years	\$280	\$82
												4-years	\$210	\$62
												6-years	\$140	\$41
												1-year	\$3,573	\$1,051
120,000cy Nourishment at	\$1,980,904	\$4,915	\$1,446	3.61	31.51	24.23	34.04	3,178	58,448	22,036	22,291	2-years	\$1,786	\$526
Forest Beach to Sunset												3-years	\$1,191	\$350
Shores												4-years	\$893 \$505	\$263
												6-years	\$595	\$175
5 - Submerged												1-year	\$2,097	\$617
Breakwaters with 75,000 cy		* ~=	*• • • •		a (a	~~~~		10 - 00	~~~~	10.00-	10.001	2-years	\$1,048	\$308
of nourishment at Warwick	\$1,287,857	\$3,195	\$940	8.20	-2.49	29.93	30.20	-12,706	29,285	13,905	48,964	3-years	\$699	\$206
Shores to Sunset Shores								1				4-years	\$524	\$154
												6-years	\$349	\$103
25 - Submerged												1-year	\$2,097	\$617
Breakwaters with 75,000 cy												2-years	\$1,048	\$308
of nourishment at Warwick	\$766767	\$6,566	\$1,932	5.41	-1.28	31.25	29.80	67,385	88,809	48,761	66,791	3-years	\$699	\$206
Shores to Sunset Shores												4-years	\$524	\$154
			- • <i>i</i>					<u> </u>				6-years	\$349	\$103
		ciated with Initial I		Snoreline		Year (Low Wat	/	Nearsho	bre volume Chang	e in 1-Year (Low Wa	ater Level)	Cost to Renourish bas		
Solution	Solution Cost Based on 2009 Costs	Cost per Shore	Cost per Inland	Grand Beach	Forest Beach	Warwick Shores	Sunset Shores	Grand Beach	Forest Beach	Warwick Shores	Sunset Shores	Placement Rate	Cost per Shore Property (2009)	Cost per Inland
	2009 COStS	Property	Property	Positiva		ins in beach wi		Posi	itive values are gai	ns in nearshore volur		(Yearly rate of Placement)	(\$)	Property (2009) (\$)
				1 0311/0	values are ge			1 031	live values are gail			1-year	\$839	\$247
												2-years	\$419	\$123
25,000cy Nourishment at	\$573,465	\$1,423	\$419	-0.16	3.15	3.71	28.85	-143	-307	-1,360	29,067	3-years	\$280	\$82
Sunset Shores	+,	+ , -	• -		0.10	0.1.1				.,	- ,	4-years	\$210	\$62
												6-years	\$140	\$41
												1-year	\$3,573	\$1,051
120,000cy Nourishment at												2-years	\$1,786	\$526
Forest Beach to Sunset Shores	\$1,980,904	\$4,915	\$1,446	-0.10	35.41	40.96	31.35	-137	50,208	49,593	53,530	3-years	\$1,191	\$350
												4-years	\$893	\$263
												6-years	\$595	\$175
5 - Submerged												1-year	\$2,097	\$617
Breakwaters with 75,000 cy	• • • • • • • • • •	* - · ·	* - · -									2-years	\$1,048	\$308
of nourishment at Warwick		\$3,195	\$940	-14.24	-4.46	15.24	26.78	-23,824	33,064	23,636	62,743	3-years	\$699	\$206
Shores to Sunset Shores												4-years	\$524 \$240	\$154 \$100
Shores to Sunset Shores												6-years	\$349	\$103
Shores to Sunset Shores				1								1 1/201	¢0.007	\$617
Shores to Sunset Shores								1				1-year	\$2,097	
25 - Submerged												2-1/00/0	\$1 049	CJU5
25 - Submerged Breakwaters with 75,000 cy		\$6 566	\$1 932	-17 78	-3 38	16 68	27 38	79 302	100 869	68 374	90 910	2-years 3-years	\$1,048 \$699	\$308 \$206
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick		\$6,566	\$1,932	-17.78	-3.38	16.68	27.38	79,392	100,869	68,374	90,910	3-years	\$699	\$206
25 - Submerged Breakwaters with 75,000 cy		\$6,566	\$1,932	-17.78	-3.38	16.68	27.38	79,392	100,869	68,374	90,910	3-years 4-years	\$699 \$524	\$206 \$154
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick		\$6,566	\$1,932	-17.78	-3.38	16.68	27.38	79,392	100,869	68,374	90,910	3-years	\$699	\$206
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick Shores to Sunset Shores	\$2,646,262				-3.38	16.68	27.38	79,392	100,869	68,374	90,910	3-years 4-years	\$699 \$524	\$206 \$154
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick Shores to Sunset Shores	\$2,646,262	Houses and Prope	\$1,932 rties counted from ME is all first line houses	DEQ Maps	-3.38	16.68	27.38	79,392	100,869	68,374	90,910	3-years 4-years	\$699 \$524	\$206 \$154
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick Shores to Sunset Shores	\$2,646,262	Houses and Prope Shoreline Property	rties counted from ME	DEQ Maps					100,869	68,374	90,910	3-years 4-years	\$699 \$524	\$206 \$154
25 - Submerged Breakwaters with 75,000 cy of nourishment at Warwick	\$2,646,262	Houses and Prope Shoreline Property Inland houses are 2	rties counted from ME is all first line houses	DEQ Maps buses in Grand B	each Area, ar	nd best guess o	f houses in a	ssociation	100,869	68,374	90,910	3-years 4-years	\$699 \$524	\$206 \$154

5 Placement areas gain 30 ft of beach due to placement and is reflected in results6 Placement volume from nourishment is included in table results.

7 2009 Water Levels ranged from 0.0ft LWD (January) to 1.50ft (July)