

APPENDIX IV

Individual Community Profile Volumes

APPENDIX IV-1. Emerald Isle profile volumes for June 1999 to May 2005 (foredune to -4 ft).

					Jun-99	Sep-99	Jun-00	(Jul02)	(Jan03)	Apr-03	Sep-03	Dec-03	Mar-04	Apr-04	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05	
		Baseline		Distance	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Unit Vol	Unit Vol	
Reach	Station	Offset (ft)	Cutoff (ft)	from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Change (cy/ft)	Change (cy)	
Emerald	8	0	None	1,464	112.65		137.66			140.77		143.21			137.95	156.98	19.03	24,361	
Isle	9	229	None	1,317	88.83		109.82			111.03		110.87			115.39	133.36	17.97	19,723	
West	10	-4	None	1,249	76.64		72.80			90.35	95	100.83			100.97	114.59	13.62	14,704	
	11	25	None	1,519	76.89		83.94	94.15		92.80		89.37			104.27	110.01	5.74	14,004	
	12	50	None	1,260	66.11		69.38	71.16		76.19		80.92			81.93	98.42	16.49	21,661	
	13	33	None	1,343	85.51		81.24	87.20		95.63		96.09			101.08	116.85	15.77	26,837	
	14	35	None	1,206	74.32		71.33	80.42		76.10		87.28			82.55	111.29	28.74	49,670	
	15	35	None	1,349	61.05	72.79	64.90	69.75		70.96	74	69.32			64.75	109.66	44.91	57,181	
	16	35	None	1,463	67.98		62.81	71.93		73.17		76.82			86.77	120.04	33.27	46,314	
	17	13	None	1,444	87.82		92.86	101.04		95.80		106.99			109.28	140.17	30.89	49,864	
	18	24	None	1,431	87.69		92.70	103.26		104.24		109.55			104.83	143.65	38.82	43,696	
	19	30	None	1,136	70.34		71.21	86.39		78.39		78.87			79.55	117.64	38.09	54,128	
	20	50	None	1,513	66.72	79.81	71.12	73.76		74.99	82	76.00			79.96	113.43	33.47	38,822	
	21	0	None	1,112	91.79		98.44	93.57		94.65		102.95			102.95	139.31	36.36	35,013	
	22	45	None	1,105	64.88		69.12	69.37		63.58		79.35			86.53	113.56	27.03	25,184	
	23	30	None	1,104	72.37		74.68	58.69		75.23		90.69			100.35	118.93	18.58	18,953	
	24	35	None	1,633	76.56		73.94	80.18	74.64	100.72		107.46			106.67	111.30	4.63	2,168	
	25	45	None	1,120	68.70	78.19	70.83	72.66	68.62	97.07	114	101.45			98.40	97.64	-0.76	(9,601)	
Emerald	26	50	None	1,400	67.58		70.31	75.48	69.47	103.85		110.50			113.91	100.95	-12.96	(5,199)	
Isle	27	10	None	1,335	84.76		99.34	99.76	94.45	125.81		126.84			118.06	123.23	5.17	1,769	
Central	28	24	None	1,099	81.65		89.19	83.26	83.05	111.41		102.84			104.54	102.59	-1.95	284	
	29	35	None	1,670	80.55		89.49	93.63	94.47	126.98		125.51			121.19	123.48	2.29	9,524	
	30	40	None	1,642	71.68	77.73	78.50	74.56	74.29	105.15	121	100.70			101.04	110.35	9.31	12,153	
	31	30	None	1,658	76.78		85.01	81.93		110.58	113	111.83	116	113	112.77	118.12	5.35	17,504	
	32	20	None	1,642	71.86		76.79	83.71		111.65	120	106.41	103	105	103.14	119.11	15.97	19,972	
	33	20	None	1,364	73.87		74.68	81.78		114.24	104	107.80	112	117	115.36	128.67	13.31	13,580	
	34	55	None	1,396	75.82		74.60	77.83		119.53	100	111.98	121	130	127.42	133.56	6.14	5,130	
	35	-5	None	1,279	63.59	65.54	63.24	60.40		103.08	105	113.46	115	124	114.26	116.14	1.88	5,460	
	36	0	None	1,460	68.50		78.01	67.15		124.43	127	117.22	113	113	110.13	115.73	5.60	(2,768)	
Emerald	37	155	None	1,112	72.67		64.67	57.72		133.76		120.28	123	123	129.05	118.47	-10.58	(3,841)	
Isle	38	67	None	1,110	75.64		81.10	79.41		154.87		145.09	147	144	144.06	147.72	3.66	(507)	
East	39	87	None	1,103	79.17		74.90	71.90		135.03	119	129.02	129	140	136.87	132.29	-4.58	(5,578)	
	40	37	None	1,096	94.26	99.26	98.01	101.52		171.90	174	159.43	159	169	165.44	159.84	-5.60	(3,690)	
	41	91	None	1,095	74.85		66.51	69.25		130.70	129	123.69	124	132	127.91	126.77	-1.14	(16,802)	
	42	66	None	1,118	65.40		71.98	69.79		142.47	124	132.38	131	140	149.13	120.22	-28.91	(13,019)	
	43	100	None	1,080	62.41		63.03	58.04		117.80	128	111.63	107	112	104.34	109.13	4.79	10,411	
	44	66	None	1,102	73.51		74.74	74.16	140.74	134.53		118.99	118	115	115.26	129.37	14.11	6,928	
	45	80	None	1,107	61.87	70.07	69.68	67.28		130.49	128	117.03	116	116	116.82	115.23	-1.59	3,021	
	46	80	None	1,097	65.31		69.69	65.81		122.75	113	107.49	106	107	103.98	111.08	7.10	974	
	47	102	None	1,101	66.64		56.71	62.59		110.50	99	96.33	100	100	102.75	97.42	-5.33	(4,576)	
	48	103	None	780	78.13		75.33	83.62		118.86	104	116.86	121	119	123.69	117.29	-6.40	-	
Summary By Reach - Beach Volumes					Jun-99	Sep-99	Jun-00	Jun-02	Feb-03	Apr-03	Sep-03	Dec-03	Mar-04	Apr-04	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05	
	Profiles			Reach Length									Arith Avg (cy/ft)				Wtd Avg (cy/ft)	Net (cy)	
EI-West	8-25			22,303	77.6	76.9	81.6	80.9	71.6	89.5	91.0	94.9	nd	nd	96.9	120.4	24.3	542,282	
EI-Central	25-36			15,945	74.2	71.6	79.9	80.0	83.1	114.2	113.0	112.3	113.3	116.7	112.9	117.4	4.4	70,577	
EI-East	36-48			12,900	72.5	84.7	72.2	71.8	nd	133.6	124.3	123.2	123.4	126.4	126.6	123.7	-2.3	-29,447	
EI All	8-48			51,147	75.2	77.6	78.4	77.7	87.5	109.1	113.7	107.8	120.0	123.2	109.9	120.6	11.4	583,412	
					74.8	13.9	78.0	73.0	18.5	107.4	54.3	106.5	48.8	50.1	108.5	119.9			
Volume Changes Since June 2004																			
EI-West	8-25			22,303	0.0	-0.7	4.0	3.3	-6.0	11.9	13.4	17.3			19.3	42.8	24.3	542,282	
EI-Central	25-36			15,945	0.0	-2.6	5.7	5.7	8.9	40.0	38.8	38.0	39.1	42.4	38.7	43.2	4.4	70,577	
EI-East	36-48			12,900	0.0	12.2	-0.3	-0.7		61.2	51.8	50.7	50.9	53.9	54.1	51.2	-2.3	-29,447	
EI All	8-48			51,147	0.0	2.4	3.2	2.5	12.3	33.9	38.5	32.6	44.8	48.0	34.7	45.4	11.4	583,412	
					Years Since June 1999														
					0.0	0.2	1.0	3.0	3.7	3.8	4.3	4.5	4.8	4.8	5.0	5.9			

APPENDIX IV-3. Indian Beach/Salter Path profile volumes for June 1999 to May 2005 (foredune to -4 ft).

					JUNE 1999 TO JUNE 2002					
									(Jan03)	(Jul02)
					Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02
					Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)
	48	103	None	780	78.13		75.33	78.01		83.61
Indian Beach/	49	103	None	1,571	72.04		69.08	67.11		91.56
	50	24	None	1,222	74.80	105.53	89.19	101.70		133.94
Salter	51	7	None	1,283	62.72		69.96	74.24	72.99	110.47
Path	52	20	None	1,241	52.39		67.36	82.41	71.30	108.36
	53	26	None	1,486	nd		67.58	74.21	69.08	104.07
	54	20	None	1,244	83.37		96.28	87.04	86.00	140.78
	55	29	None	1,165	72.75	57.82	66.85	71.51	69.34	120.12
	56	16	None	1,194	68.03		63.14	63.33	59.12	112.43
	57	32	None	1,055	65.74		67.06	74.46	68.04	118.61
	58	53	None	1,526	65.20		67.14	60.11	51.80	105.23
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft					
	Profiles			Reach Length	Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02
IB/SP	48-58			12,986	69.5	81.7	72.6	75.8	68.5	111.7
					61.9		72.6	76.4	69.1	112.5
Volume Changes Since June 1999										
IB/SP	48-58			12,986	0.0	12.2	3.1	6.3	-1.1	42.2
				Years Since June 1999	0.0	0.2	1.0	2.0	2.7	3.0
					APRIL 2003 TO MAY 2005					
					Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05
					Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Unit Vol
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Change (cy/ft)
	48	103	None	780	118.86	103.56	116.86	123.69	117.29	-6.40
Indian Beach/	49	103	None	1,571	74.84		91.96	111.47	115.21	3.74
	50	24	None	1,222	117.67	112.45	124.64	162.96	152.57	-10.39
Salter	51	7	None	1,283	91.80		100.53	129.73	130.13	0.40
Path	52	20	None	1,241	104.93	105.37	111.55	146.51	140.67	-5.84
	53	26	None	1,486	95.53		110.41	148.28	132.63	-15.65
	54	20	None	1,244	120.40		128.09	142.92	151.36	8.44
	55	29	None	1,165	103.62	107.40	103.02	119.80	124.84	5.04
	56	16	None	1,194	100.67		102.14	138.36	120.82	-17.54
	57	32	None	1,055	106.20		102.96	126.54	130.33	3.79
	58	53	None	1,526	91.74		94.64	127.00	122.89	-4.11
Summary By Reach - Beach Volumes										Jun-04-May-05
	Profiles			Reach Length	Apr-03	Sep-03	Dec-03	Jun-04	May-05	Wtd Avg (cy/ft)
IB/SP	48-58			12,986	102.4	107.2	107.9	134.3	130.8	-3.3
					101.8		107.9	134.9	131.6	
Volume Changes Since June 1999										
IB/SP	48-58			12,986	32.9	37.7	38.4	64.8	61.3	-3.3
				Years Since June 1999	3.8	4.3	4.5	5.0	5.9	

APPENDIX IV-4. Indian Beach/Salter Path profile volumes for June 1999 to May 2005 (foredune to -11 ft).

					JUNE 1999 TO JUNE 2002						
									(Jan03)	(Jul02)	
					Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02	
					Dune to -11	Dune to -11	Dune to -11	Dune to -11	Dune to -11	Dune to -11	
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	
	48	103	None	780	207.41		199.84	207.33		211.77	
Indian	49	103	None	1571	197.18		192.01	177.93		221.19	
Beach/	50	24	None	1222	172.89	190.75	207.26	238.11		275.43	
Salter	51	7	None	1283	188.37		184.42	192.84	188.60	241.38	
Path	52	20	None	1241	180.23		172.18	209.58	191.68	241.85	
	53	26	None	1486	nd		196.95	205.52	196.58	238.56	
	54	20	None	1244	217.79		239.31	227.01	215.77	286.87	
	55	29	None	1165	155.87	141.83	189.08	204.65	183.85	254.67	
	56	16	None	1194	187.18		197.64	181.86	177.12	242.00	
	57	32	None	1055	189.98		177.13	202.36	185.90	247.48	
	58	53	None	1526	176.04		200.07	173.51	167.82	234.71	
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft						
	Profiles			Reach Length	Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02	
IB/SP	48-58			12,986	185.1	166.3	195.6	201.3	188.4	248.4	
Volume Changes Since June 1999											
IB/SP	48-58			12,986	0.0	-18.8	10.5	16.3	3.4	63.4	
			Years Since June 1999		0.0	0.2	1.0	2.0	2.7	3.0	
					APRIL 2003 TO MAY 2005						
					Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
					Dune to -11	Dune to -11	Dune to -11	Dune to -11	Dune to -11	Unit Vol	Net Vol
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Change (cy/ft)	Change (cy)
	48	103	None	780	288.06		274.93	276.01	269.95	-6.06	(18,414)
Indian	49	103	None	1571	206.42		225.08	279.91	262.52	-17.39	(19,908)
Beach/	50	24	None	1222	264.69	258.99	270.84	341.53	326.33	-15.20	(9,188)
Salter	51	7	None	1283	225.71		237.68	286.47	287.35	0.88	(8,067)
Path	52	20	None	1241	244.37	230.65	238.09	305.51	291.63	-13.88	(28,724)
	53	26	None	1486	264.08		248.35	314.04	289.26	-24.78	(2,563)
	54	20	None	1244	269.17		273.99	294.07	314.73	20.66	23,834
	55	29	None	1165	233.86		225.11	253.16	273.43	20.27	(6,758)
	56	16	None	1194	237.06		231.17	301.38	269.79	-31.59	(17,063)
	57	32	None	1055	240.31		228.39	276.78	276.01	-0.77	1,328
	58	53	None	1526	230.10		222.02	279.79	282.30	2.51	-
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft						
	Profiles			Reach Length	Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
IB/SP	48-58			12,986	241.6	244.8	240.1	293.3	287.3	-6.6	-85,523
Volume Changes Since June 1999											
IB/SP	48-58			12,986	56.5	59.8	55.0	108.2	102.3	-6.6	-85,523
			Years Since June 1999		3.8	4.3	4.5	5.0	5.9		

APPENDIX IV-5. Pine Knoll Shores profile volumes for June 1999 to June 2005 (foredune to -4 ft – preliminary).

					JUNE 1999 TO JUNE 2002					
					Jun-99	Sep-99	Jun-00	Jun-01	(Mar03) Feb-02	Jun-02
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)
	58	53	None	1,526	65.20		67.14	60.11		105.23
Pine	59	27	None	1,488	62.48		73.88	69.22		102.36
Knoll	60	34	None	1,208	60.77	56.98	56.09	55.53		94.01
Shores	61	-34	None	1,206	82.06		77.37	85.83		122.97
West	62	0	None	1,374	nd		57.21	59.25		101.82
	63	7	None	1,294	73.72		66.15	63.8		88.64
	64	158	None	1,284	77.26		72.67	67.89		112.68
	65	13	None	1,329	64.72	68.44	61.86	59.53		97.23
Pine	66	0	None	1,242	91.9		82.34	76.81		100.80
Knoll	67	49	None	1,205	nd		72.91	68.33		116.37
Shores	68	0	None	1,513	56.85		56.51	55.94		79.87
East	69	26	None	1,029	57.93		60.31	75.8		85.34
	70	0	None	1,244	74.3	69.22	65.91	64.89	88.23	93.62
	71	32	None	1,896	62.98		81.15	75.41	113.1	97.51
	72	22	None	1,400	72.69		57.18	58.86	121.29	115.77
	73	14	None	1,429	62.23		53.55	56.5	123.29	114.68
	74	18	None	1,217	64.79		60.59	71.4	129.19	131.24
	75	108	None	1,500	43.91	58.48	50.00	45.01	104.82	107.27
	76	23	None	1,111	64.35		55.07	76.51	127.61	119.00
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft					
	Profiles			Reach Length	Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02
PKS-West	59-65			9,182	70.2	62.7	66.5	65.9	nd	102.8
PKS-East	66-76			14,785	65.2	63.9	63.2	66.0	115.4	105.6
PKS-All	59-76			23,967	67.1	63.3	64.5	65.9	115.4	104.5
Volume Changes Since June 1999										
PKS-West	59-65			9,182	0.0	-7.5	-3.7	-4.3	nd	32.6
PKS-East	66-76			14,785	0.0	-1.3	-2.0	0.8	50.2	40.4
PKS-All	59-76			23,967	0.0	-3.8	-2.6	-1.1	48.3	37.5
				Years Since June 1999	0.0	0.2	1.0	2.0	2.7	3.0

					APRIL 2003 TO MAY 2005						
					Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Dune to -4 Unit Vol (cy/ft)	Unit Vol Change (cy/ft)	Net Vol Change (cy)
	58	53	None	1,526	91.74		94.64	127.00	122.89	-4.11	(9,121)
Pine	59	27	None	1,488	93.37		97.63	118.87	110.72	-8.15	(10,849)
Knoll	60	34	None	1,208	86.29	86.69	96.74	105.01	95.19	-9.82	2,724
Shores	61	-34	None	1,206	111.17		111.22	98.16	112.50	14.34	6,265
West	62	0	None	1,374	94.18		99.50	100.27	95.05	-5.22	453
	63	7	None	1,294	106.21	107.89	96.00	90.36	96.28	5.92	2,972
	64	158	None	1,284	114.79		102.71	108.10	106.81	-1.29	(778)
	65	13	None	1,329	97.84	104.83	87.02	85.78	85.90	0.12	(869)
Pine	66	0	None	1,242	98.59		97.61	102.50	100.98	-1.52	(946)
Knoll	67	49	None	1,205	112.61		104.34	106.51	106.46	-0.05	(817)
Shores	68	0	None	1,513	86.01	80.33	78.65	81.21	80.18	-1.03	(5,590)
East	69	26	None	1,029	81.70		80.01	87.85	78.01	-9.84	(11,467)
	70	0	None	1,244	99.29	98.81	94.35	95.66	87.06	-8.60	(11,961)
	71	32	None	1,896	104.95		103.04	104.28	100.26	-4.02	(4,123)
	72	22	None	1,400	93.82		101.08	100.23	98.36	-1.87	(7,674)
	73	14	None	1,429	101.86	102.75	101.27	107.17	98.3	-8.87	(14,428)
	74	18	None	1,217	113.39		114.85	116.82	101.98	-14.84	(18,263)
	75	108	None	1,500	94.36	97.23	90.73	97.01	87.50	-9.51	(7,387)
	76	23	None	1,111	107.52		100.89	108.10	104.31	-3.79	-
Summary By Reach - Beach Volumes					Jun-04-May-05						
	Profiles			Reach Length	Apr-03	Sep-03	Dec-03	Jun-04	May-05	Wtd Avg (cy/ft)	Net (cy)
PKS-West	59-65			9,182	100.6	99.8	98.7	100.9	100.4	-0.9	-8,333
PKS-East	66-76			14,785	99.5	94.8	97.0	100.7	94.9	-5.6	-83,525
PKS-All	59-76			23,967	99.9	96.9	97.6	100.8	97.0	-3.8	-91,858
Volume Changes Since June 1999											
PKS-West	59-65			9,182	30.4	29.6	28.5	30.8	30.2	-0.9	-8,333
PKS-East	66-76			14,785	34.3	29.6	31.8	35.5	29.7	-5.6	-83,525
PKS-All	59-76			23,967	32.8	29.9	30.6	33.7	29.9	-3.8	-91,858
				Years Since June 1999	3.8	4.3	4.5	5.0	5.9		

APPENDIX IV-6. Pine Knoll Shores profile volumes for June 1999 to June 2005 (foredune to -11 ft – preliminary).

					JUNE 1999 TO JUNE 2002					
					Jun-99	Sep-99	Jun-00	Jun-01	(Mar03) Feb-02	Jun-02
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)
	58	53	None	1,526			200.07	173.51		234.71
Pine	59	27	None	1,488	176.04		202.05	193.92		236.68
Knoll	60	34	None	1,208	187.87		202.05	193.92		236.68
Shores	61	-34	None	1,206	184.54	146.51	170.06	154.50		221.32
West	62	0	None	1,374	199.07		197.32	215.10		262.60
	63	7	None	1,294	nd		162.29	174.61		224.36
	64	158	None	1,284	182.8		170.82	184.44		197.20
	65	13	None	1,329	194.3		209.81	189.94		245.34
Pine	66	0	None	1,242	184.28	204.17	179.31	166.95		232.28
Knoll	67	49	None	1,205	221.31		213.96	203.58		238.68
Shores	68	0	None	1,513	nd		209.17	213.97		265.92
East	69	26	None	1,029	183.68		177.58	183.29		215.73
	70	0	None	1,244	180.66		190.10	199.35		235.43
	71	32	None	1,896	210.56	198.3	199.71	201.52	229.24	247.62
	72	22	None	1,400	190.74		222.57	204.83	259.91	250.90
	73	14	None	1,429	198.39		162.57	187.09	260.14	265.27
	74	18	None	1,217	186.16		178.26	166.97	260.73	257.42
	75	108	None	1,500	199.38		181.32	206.88	273.35	303.08
	76	23	None	1,111	156.75	182.18	153.71	176.88	243.79	258.57
					184.22		171.06	224.73	282.14	291.46
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft					
	Profiles			Reach Length	Jun-99	Sep-99	Jun-00	Jun-01	Feb-02	Jun-02
PKS-West	59-65			9,182	188.8	175.3	184.5	182.8	nd	231.4
PKS-East	66-76			14,785	191.2	190.2	187.3	197.2	258.5	257.3
PKS-All	59-76			23,967	190.3	182.8	186.2	191.6	258.5	247.2
			Years Since June 1999		0.0	0.2	1.0	2.0	2.7	3.0

					APRIL 2003 TO MAY 2005						
					Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Dune to -11 Unit Vol (cy/ft)	Unit Vol Change (cy/ft)	Net Vol Change (cy)
	58	53	None	1,526			222.02	279.79	282.30	2.51	(12,321)
Pine	59	27	None	1,488	230.10		233.64	262.45	243.38	-19.07	(22,701)
Knoll	60	34	None	1,208	240.97		233.64	262.45	243.38	-19.07	(22,701)
Shores	61	-34	None	1,206	221.98	210.90	222.74	247.88	229.35	-18.53	28,824
West	62	0	None	1,374	257.85		239.34	207.38	273.73	66.35	63,197
	63	7	None	1,294	220.40		216.43	209.17	234.81	25.64	44,041
	64	158	None	1,284	236.66	225.34	205.55	183.53	225.96	42.43	31,066
	65	13	None	1,329	251.13		228.36	241.54	247.50	5.96	14,118
Pine	66	0	None	1,242	232.08	247.76	213.78	197.58	212.86	15.28	17,963
Knoll	67	49	None	1,205	239.17		230.85	237.89	251.54	13.65	14,068
Shores	68	0	None	1,513	272.05		247.01	236.67	246.37	9.70	8,518
East	69	26	None	1,029	221.00	206.52	196.70	203.75	205.31	1.56	(10,867)
	70	0	None	1,244	216.37		209.61	222.86	200.17	-22.69	(27,921)
	71	32	None	1,896	244.44	234.68	233.15	245.27	223.06	-22.21	(31,571)
	72	22	None	1,400	254.27		240.48	252.56	241.46	-11.10	(5,558)
	73	14	None	1,429	245.97		239.20	243.48	246.64	3.16	(2,658)
	74	18	None	1,217	249.59	246.59	240.13	252.56	245.68	-6.88	(11,835)
	75	108	None	1,500	261.42		258.08	258.39	245.82	-12.57	(9,120)
	76	23	None	1,111	242.51	240.53	227.83	223.74	224.15	0.41	(372)
					265.23		243.52	247.59	246.51	-1.08	-
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft						
	Profiles			Reach Length	Apr-03	Sep-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
PKS-West	59-65			9,182	237.3	228.0	222.8	221.4	238.2	Wtd Avg (cy/ft)	Net (cy)
PKS-East	66-76			14,785	246.5	232.1	233.3	238.6	234.2	-4.0	146,225
PKS-All	59-76			23,967	242.9	230.3	229.2	231.9	235.8	3.6	86,871
			Years Since June 1999		3.8	4.3	4.5	5.0	5.9		

APPENDIX IV-8. Atlantic Beach profile volumes for June 1999 to June 2005 (foredune to -11 ft – preliminary).

					JUNE 1999 TO SEPTEMBER 2003				
					Jun-99	Sep-99	Jun-00	Apr-03	Sep-03
					Dune to -11	Dune to -11	Dune to -11	Dune to -11	Dune to -11
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)
	76	23	None	1111	184.22		171.96	265.23	
Atlantic	77	36	None	1290	184.84		188.94	241.66	229.59
Beach	78	20	None	948	215.55		193.37	235.73	
	79	48	None	1444	245.04		243.53	248.81	
	80	0	None	900	257.80	233.22	271.06	274.73	266.46
	81	15	None	1097	244.35		228.72	258.26	
	82	1	None	707	223.60		192.88	222.45	
	83	0	None	998	236.73		224.78	246.32	
	84	0	None	1012	260.05		251.90	250.55	
	85	-6	None	1000	273.81	262.31	266.91	247.54	250.21
	86	0	None	1001	243.07		243.00	253.07	
	87	12	None	1000	258.79		256.19	279.69	
	88	13	None	994	320.31		342.59	323.21	
	89	95	None	1008	236.87		227.16	252.79	
	90	0	None	1099	275.17	263.18	268.54	304.43	294.21
	91	50	None	912	232.38		235.23	261.43	
	92	60	None	1000	227.91		200.52	246.56	
	93	60	None	1000	147.53		150.69	220.35	
	94	80	None	892	182.28		174.59	239.00	
	95	100	None	1024	230.83	215.28	230.78	231.43	227.98
	96	93	None	996	215.47		207.96	202.04	
	97	25	None	999	235.87		236.49	212.45	
	98	13	None	1000	227.07		256.05	210.35	
	99	-8	None	1025	253.36		237.33	193.93	
	100	0	None	973	222.49	253.06	223.98	225.65	231.91
	101	31	None	1004	239.25		244.98	255.88	
	102	10	None	1001	240.98		237.78	208.11	
Summary By Reach - Beach Volumes					Arithmetic Averages cy/ft				
	Profiles			Reach Length	Jun-99	Sep-99	Jun-00	Apr-03	Sep-03
AB	77-102			26,322	235.8	245.4	232.2	244.1	250.1
Volume Changes Since June 1999									
AB	77-102			26,322	0.0		-3.7	8.3	14.2
				Years Since June 1999	0.0	0.2	1.0	3.8	4.3
.....									
					DECEMBER 2003 TO MAY 2005				
					Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05
					Dune to -11	Dune to -11	Dune to -11	Unit Vol	Net Vol
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Change (cy/ft)	Change (cy)
	76	23	None	1111	243.52	247.59	246.51	-1.08	12,646
Atlantic	77	36	None	1290	222.54	215.93	236.61	20.68	19,791
Beach	78	20	None	948	225.11	237.66	258.72	21.06	33,725
	79	48	None	1444	244.58	261.56	287.22	25.66	18,694
	80	0	None	900	266.25	269.31	285.21	15.90	28,741
	81	15	None	1097	248.37	251.46	287.95	36.49	22,468
	82	1	None	707	215.75	225.23	252.30	27.07	39,759
	83	0	None	998	237.31	235.85	288.45	52.60	75,979
	84	0	None	1012	239.26	246.60	344.17	97.57	105,388
	85	-6	None	1000	248.05	233.07	346.36	113.29	112,032
	86	0	None	1001	244.71	253.60	364.06	110.46	107,226
	87	12	None	1000	265.20	261.89	365.99	104.10	99,275
	88	13	None	994	314.37	321.03	416.78	95.75	84,994
	89	95	None	1008	232.77	245.20	318.14	72.94	71,063
	90	0	None	1099	275.40	289.91	346.27	56.36	40,625
	91	50	None	912	244.25	264.77	297.49	32.72	32,727
	92	60	None	1000	244.33	252.85	285.59	32.74	36,804
	93	60	None	1000	243.17	237.45	278.34	40.89	49,205
	94	80	None	892	246.26	242.66	312.07	69.41	77,305
	95	100	None	1024	225.73	214.43	296.08	81.65	95,925
	96	93	None	996	207.18	208.63	319.64	111.01	115,548
	97	25	None	999	208.16	214.45	334.79	120.34	119,038
	98	13	None	1000	188.18	179.96	297.72	117.76	107,425
	99	-8	None	1025	187.63	193.90	285.75	91.85	90,523
	100	0	None	973	232.96	211.33	305.55	94.22	85,540
	101	31	None	1004	242.32	238.36	314.59	76.23	83,567
	102	10	None	1001	190.92	196.32	287.09	90.77	-
Summary By Reach - Beach Volumes					Jun-04-May-05				
	Profiles			Reach Length	Dec-03	Jun-04	May-05	Wtd Avg (cy/ft)	Net (cy)
AB	77-102			26,322	236.2	238.6	308.2	67.1	1,766,014
Volume Changes Since June 1999									
AB	77-102			26,322	0.4	2.8	72.4	67.1	1,766,014
				Years Since June 1999	4.5	5.0	5.9		

APPENDIX IV-9. Fort Macon State Park profile volumes for June 1999 to June 2005 (foredune to -4 ft – preliminary).

					JUNE 1999 TO DECEMBER 2003				
		Baseline		Distance	Jun-99	Jun-00	Apr-03	Sep-03	Dec-03
Reach	Station	Offset	Cutoff	from Last	Dune to -4	Dune to -4	Dune to -4	Dune to -4	Dune to -4
		(ft)	(ft)	(ft)	Unit Vol	Unit Vol	Unit Vol	Unit Vol	Unit Vol
					(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)
	102	10	None	1,001	85.15	82.38	76.71		57.47
Fort	103	-17	None	1,016	74.00	65.33	50.62		43.35
Macon	104	-40	None	975	96.07	74.88	77.41		72.79
State	105	55	None	993	90.51	77.73	68.68	62.45	59.61
Park	106	27	None	999	113.63	72.70	85.54		78.26
	107	0	None	531	116.84	102.78	100.53		88.85
	108	46	None	471	107.95	116.02	107.16		84.91
	109	0	1250	533	114.44	133.01	117.96		95.60
	110	11	None	460	118.15	142.56	121.92	99.64	93.16
	111	190	None	721	130.37	128.37	102.43		81.10
	112	155	1050	500	nd	nd	nd		89.51
Summary By Reach - Beach Volumes									
	Profiles			Reach Length	Jun-99	Jun-00	Apr-03	Sep-03	Dec-03
FMSP	102-112			7,199	106.9	101.5	92.5	81.0	78.7
Volume Changes Since June 1999									
FMSP	102-112			7,199	0.0	-5.4	-14.4	-25.8	-28.2
			Years Since June 1999		0.0	1.0	3.8	4.3	4.5
					JUNE 2005 MAY 2005				
		Baseline		Distance	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05	
Reach	Station	Offset	Cutoff	from Last	Dune to -4	Dune to -4	Unit Vol	Net Vol	
		(ft)	(ft)	(ft)	Unit Vol	Unit Vol	Change	Change	
					(cy/ft)	(cy/ft)	(cy/ft)	(cy)	
	102	10	None	1,001	67.25	121.73	54.48	43,584	
Fort	103	-17	None	1,016	51.81	83.10	31.29	35,607	
Macon	104	-40	None	975	60.62	102.34	41.72	46,491	
State	105	55	None	993	48.22	100.10	51.88	47,492	
Park	106	27	None	999	80.68	123.88	43.20	24,491	
	107	0	None	531	84.13	133.21	49.08	18,180	
	108	46	None	471	82.14	110.34	28.20	10,686	
	109	0	1250	533	104.28	116.20	11.92	4,453	
	110	11	None	460	104.68	112.13	7.45	(1,625)	
	111	190	None	721	93.22	81.26	-11.96	25,788	
	112	155	1050	500	97.96	213.07	115.11	*	
Summary By Reach - Beach Volumes							Jun-04-May-05	Jun-04-May-05	
	Profiles			Reach Length	Jun-04	May-05	Wtd Avg (cy/ft)	Net (cy)	
FMSP	102-112			7,199	80.8	117.6	35.4	255,147	
Volume Changes Since June 1999									
FMSP	102-112			7,199	-26.1	10.7	35.4	255,147	
			Years Since June 1999		5.0	5.9			

APPENDIX IV-10. Fort Macon State Park profile volumes for June 1999 to June 2005 (foredune to -11 ft – preliminary).

					JUNE 1999 TO DECEMBER 2003				
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Jun-99 Dune to -11 Unit Vol (cy/ft)	Jun-00 Dune to -11 Unit Vol (cy/ft)	Apr-03 Dune to -11 Unit Vol (cy/ft)	Sep-03 Dune to -11 Unit Vol (cy/ft)	Dec-03 Dune to -11 Unit Vol (cy/ft)
	102	10	None	1,001	240.98	237.78	208.11		190.92
Fort	103	-17	None	1,016	207.96	201.55	173.58		161.44
Macon	104	-40	None	975	247.37	190.72	216.78		207.68
State	105	55	None	993	190.61	224.88	206.24	208.41	197.44
Park	106	27	None	999	221.44	188.81	221.35		215.30
	107	0	None	531	250.91	208.15	223.64		231.25
	108	46	None	471	222.55	249.89	231.61		225.30
	109	0	1250	533	234.87	267.72	250.00		235.63
	110	11	None	460	238.30	287.48	247.71	232.42	228.92
	111	190	None	721	250.52	255.83	239.13		218.29
	112	155	1050	500	nd	nd	nd		240.86
Summary By Reach - Beach Volumes									
	Profiles			Reach Length	Jun-99	Jun-00	Apr-03	Sep-03	Dec-03
FMSP	102-112			7,199	229.4	230.6	223.3	220.4	216.2
Volume Changes Since June 1999									
FMSP	102-112			7,199	0.0	1.2	-6.1	-9.0	-13.2
				<i>Years Since June 1999</i>	<i>0.0</i>	<i>1.0</i>	<i>3.8</i>	<i>4.3</i>	<i>4.5</i>
<hr/>									
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					JUNE 2004 to MAY 2005				
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Jun-04 Dune to -11 Unit Vol (cy/ft)	May-05 Dune to -11 Unit Vol (cy/ft)	Jun-04-May-05 Unit Vol Change (cy/ft)	Jun-04-May-05 Net Vol Change (cy)	
	102	10	None	1,001	196.32	287.09	90.77	76,934	
Fort	103	-17	None	1,016	177.43	238.06	60.63	52,637	
Macon	104	-40	None	975	198.73	246.03	47.30	67,879	
State	105	55	None	993	168.35	257.71	89.36	68,312	
Park	106	27	None	999	232.03	279.43	47.40	36,495	
	107	0	None	531	210.51	300.62	90.11	40,804	
	108	46	None	471	183.85	267.19	83.34	37,052	
	109	0	1250	533	226.77	282.54	55.77	26,786	
	110	11	None	460	223.80	284.54	60.74	33,786	
	111	190	None	721	226.41	259.43	33.02	33,095	
	112	155	1050	500	229.03	328.39	99.36	-	
Summary By Reach - Beach Volumes									
	Profiles			Reach Length	Jun-04	May-05	Jun-04-May-05 Wtd Avg (cy/ft)	Jun-04-May-05 Net (cy)	
FMSP	102-112			7,199	207.7	274.4	65.8	473,780	
Volume Changes Since June 1999									
FMSP	102-112			7,199	-21.7	45.0	65.8	473,780	
				<i>Years Since June 1999</i>	<i>5.0</i>	<i>5.9</i>			

APPENDIX IV-11. Bear Island profile volumes for October 2004 to May 2005 (foredune to -4 ft – preliminary).

		Baseline			Oct-04	May-05	Oct-04 to May-05	
Reach	Station	Offset	Cutoff	Distance	Dune to -4 ft	Dune to -4 ft	Unit Vol	Net Vol
		(ft)	(ft)	from Last	Unit Vol	Unit Vol	Change	Change
		(ft)	(ft)	(ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy)
Bear	1	600	2,750	0	127.94	125.71	-2.23	275
Island	2	750		1000	105.70	108.48	2.78	(990)
	3	705		1000	129.51	124.75	-4.76	(1,630)
	4	710		1000	90.51	92.01	1.50	(970)
	5	710		1000	63.91	60.47	-3.44	(2,885)
	6	630		1000	85.81	83.48	-2.33	(1,080)
	7	610		1000	90.94	91.11	0.17	1,915
	8	600		1000	88.46	92.12	3.66	3,100
	9	640		1000	80.64	83.18	2.54	(830)
	10	630		1000	104.53	100.33	-4.20	(2,390)
	11	650		1000	98.84	98.26	-0.58	(690)
	12	670		1000	116.41	115.61	-0.80	425
	13	730		1000	118.20	119.85	1.65	(2,765)
	14	850		1000	84.84	77.66	-7.18	(7,545)
	15	860		1000	144.88	136.97	-7.91	(2,745)
	16	960		1000	160.76	163.18	2.42	(1,820)
	17	900	2,880	1000	195.58	189.52	-6.06	(9,080)
	18	1940	2,950	1000	12.74	0.64	-12.10	
Summary- Beach Volumes					Oct-04	May-05	Oct-04 to May-05	
	Profiles			Reach Length			Wtd Avg (cy/ft)	Net (cy)
Bear I.	1-18			17,000	107.6	105.9	-1.7	-29,705
Volume Changes Since October 2004								
Bear I.	1-18			17,000	1,829,860	1,800,155	-1.7	-29,705
Years: Oct 2004 to May 2005					0.63			

APPENDIX IV-12. Bear Island profile volumes for October 2004 to May 2005 (foredune to -11 ft – preliminary).

		Baseline			Oct-04	May-05	Oct-04 to May-05	
Reach	Station	Offset	Cutoff	Distance	Dune to -11ft	Dune to -11ft	Unit Vol	Net Vol
		(ft)	(ft)	from Last	Unit Vol	Unit Vol	Change	Change
				(ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy)
Bear	1	600	2,750	0	383.08	381.98	-1.10	(2,785)
Island	2	750		1000	310.40	305.93	-4.47	(10,235)
	3	705		1000	324.06	308.06	-16.00	(9,645)
	4	710		1000	266.60	263.31	-3.29	(2,790)
	5	710		1000	222.09	219.80	-2.29	(6,210)
	6	630		1000	255.39	245.26	-10.13	(8,895)
	7	610		1000	264.27	256.61	-7.66	(4,075)
	8	600		1000	261.41	260.92	-0.49	(915)
	9	640		1000	246.71	245.37	-1.34	(10,190)
	10	630		1000	279.39	260.35	-19.04	(8,115)
	11	650		1000	272.91	275.72	2.81	(4,055)
	12	670		1000	295.96	285.04	-10.92	(5,225)
	13	730		1000	301.44	301.91	0.47	(8,645)
	14	850		1000	256.13	238.37	-17.76	(16,615)
	15	860		1000	343.86	328.39	-15.47	(1,655)
	16	960		1000	366.00	378.16	12.16	(7,050)
	17	900	2,880	1000	560.64	534.38	-26.26	(28,210)
	18	1940	2,950	1000	116.04	85.88	-30.16	
Summary- Beach Volumes					Oct-04	May-05	Oct-04-May-05	
	Profiles			Reach Length			Wtd Avg (cy/ft)	Net (cy)
Bear I.	1-18			17,000	298.6	290.7	-8.0	-135,310
Volume Changes Since October 2004								
Bear I.	1-18			17,000	5,076,820	4,941,510	-8.0	-135,310
Years: Oct 2004 to May 2005					0.63			

APPENDIX IV-13. Bear Island profile volumes for October 2004 to May 2005 (foredune to -15 ft – preliminary).

					Oct-04	May-05	Oct-04 to May-05	
		Baseline		Distance	Dune to -15 ft	Dune to -15 ft	Unit Vol	Net Vol
Reach	Station	Offset	Cutoff	from Last	Unit Vol	Unit Vol	Change	Change
		(ft)	(ft)	(ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy)
Bear	1	600	2,750	0	640.56	636.44	-4.12	685
Island	2	750		1000	501.68	507.17	5.49	(1,650)
	3	705		1000	505.20	496.41	-8.79	(1,420)
	4	710		1000	431.36	437.31	5.95	7,130
	5	710		1000	374.60	382.91	8.31	5,105
	6	630		1000	408.90	410.80	1.90	2,200
	7	610		1000	419.64	422.14	2.50	5,860
	8	600		1000	416.76	425.98	9.22	10,265
	9	640		1000	395.07	406.38	11.31	2,125
	10	630		1000	432.62	425.56	-7.06	2,695
	11	650		1000	427.69	440.14	12.45	6,720
	12	670		1000	454.65	455.64	0.99	7,910
	13	730		1000	458.54	473.37	14.83	2,810
	14	850		1000	407.72	398.51	-9.21	(7,745)
	15	860		1000	512.79	506.51	-6.28	5,750
	16	960		1000	550.19	567.97	17.78	(7,845)
	17	900	2,880	1000	757.58	724.11	-33.47	(28,615)
	18	1940	2,950	1000	211.34	187.58	-23.76	
Summary- Beach Volumes					Oct-04	May-05	Oct-04 to May-05	
	Profiles			Reach Length			Wtd Avg (cy/ft)	Net (cy)
Bear I.	1-18			17,000	463.6	464.3	0.7	11,980
Volume Changes Since October 2004								
Bear I.	1-18			17,000	7,880,940	7,892,920	0.7	11,980
Years: Oct 2004 to May 2005					0.63			

APPENDIX IV-14. Shackleford Banks profile volumes for May 2005 (foredune to -4 ft – preliminary).

					Oct-04	May-05	Oct-04 to May-05	
		Baseline		Distance	Dune to -4 ft	Dune to -4 ft	Unit Vol	Net Vol
Reach	Station	Offset (ft)	Cutoff (ft)	from Last (ft)	Unit Vol (cy/ft)	Unit Vol (cy/ft)	Change (cy/ft)	Change (cy)
Shack.	1	-125	3,000	0		183.68		-
Banks	2	450		2051		184.90		-
	3	230		2029		160.12		-
	4	525		1801		0.00		-
	5	275		1918		0.00		-
	6	-90		1877		81.20		-
	7	-100		1653		70.62		-
	8	-70		1672		88.91		-
	9	-195		2245		110.41		-
	10	-55		1833		127.36		-
	11	-210		1964		107.84		-
	12	-165		1964		119.25		-
	13	35		1914		93.24		-
	14	-15		1942		98.74		-
	15	155		2352		136.97		-
	16	30		2123		163.18		-
	17	-13		2880		198.91		-
	18	128		2089		97.62		-
	19	-15		2046		192.48		-
	20	255		2038		140.28		-
	21	25		2134		90.07		-
	22	-50		1859		67.83		-
	23	75		2107		90.10		-
	24	310		1508		126.10		-
Summary- Beach Volumes						May-05	Oct-04 to May-05	
	Profiles			Reach Length		Wtd Avg (cy/ft)	Net (cy)	
Shack.	1-24			46,001		114.7	0.0	0
Volume Changes Since October 2004								
Shack.	1-24			46,001		5,277,604	0.0	0
Years: Oct 2004 to May 2005					0.63			

APPENDIX IV-15. Shackleford Banks profile volumes for May 2005 (foredune to -11 ft – preliminary).

					Oct-04	May-05	Oct-04 to May-05	
Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Dune to -11 ft Unit Vol (cy/ft)	Dune to -11 ft Unit Vol (cy/ft)	Unit Vol Change (cy/ft)	Net Vol Change (cy)
Shack.	1	-125	3,000	0		912.04		-
Banks	2	450		2051		574.07		-
	3	230		2029		402.28		-
	4	525		1801		60.78		-
	5	275		1918		44.53		-
	6	-90		1877		205.48		-
	7	-100		1653		196.08		-
	8	-70		1672		234.85		-
	9	-195		2245		270.19		-
	10	-55		1833		250.03		-
	11	-210		1964		235.59		-
	12	-165		1964		264.57		-
	13	35		1914		215.42		-
	14	-15		1942		202.76		-
	15	155		2352		245.34		-
	16	30		2123		229.64		-
	17	-13		2880		332.64		-
	18	128		2089		209.65		-
	19	-15		2046		346.57		-
	20	255		2038		260.38		-
	21	25		2134		213.40		-
	22	-50		1859		147.44		-
	23	75		2107		210.40		-
	24	310		1508		270.01		-
Summary- Beach Volumes						May-05	Oct-04 to May-05	
	Profiles			Reach Length			<i>Wtd Avg (cy/ft)</i>	<i>Net (cy)</i>
Shack.	1-24			46,001		261.1	0.0	0
Volume Changes Since October 2004								
Shack.	1-24			46,001		12,011,775	0.0	0
Years: Oct 2004 to May 2005						0.63		

APPENDIX IV-16. Shackleford Banks profile volumes for May 2005 (foredune to -15 ft – preliminary).								
					Oct-04	May-05	Oct-04-May-05	Oct-04-May-05
		Baseline		Distance	Dune to -15 ft	Dune to -15 ft	Unit Vol	Net Vol
Reach	Station	Offset	Cutoff	from Last	Unit Vol	Unit Vol	Unit Vol	Net Vol
		(ft)	(ft)	(ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy)
Shack.	1	-125	3,000	0		1375.01		-
Banks	2	450		2051		875.87		-
	3	230		2029		556.57		-
	4	525		1801		138.42		-
	5	275		1918		107.96		-
	6	-90		1877		425.41		-
	7	-100		1653		318.76		-
	8	-70		1672		375.33		-
	9	-195		2245		413.57		-
	10	-55		1833		393.17		-
	11	-210		1964		377.44		-
	12	-165		1964		398.13		-
	13	35		1914		354.73		-
	14	-15		1942		341.54		-
	15	155		2352		384.70		-
	16	30		2123		367.72		-
	17	-13		2880		483.90		-
	18	128		2089		348.51		-
	19	-15		2046		501.19		-
	20	255		2038		400.51		-
	21	25		2134		381.53		-
	22	-50		1859		276.38		-
	23	75		2107		303.59		-
	24	310		1508		366.02		-
Summary- Beach Volumes						May-05	Oct-04-May-05	Oct-04-May-05
	Profiles			Reach Length		Wtd Avg (cy/ft)		Net (cy)
Shack.	1-24			46,001		412.1	0.0	0
Volume Changes Since October 2004								
Shack.	1-24			46,001		18,958,475	0.0	0
Years: Oct 2004 to May 2005						0.63		