

APPENDIX III

- A – Profile Volumes (April 2003 thru May 2005)
Foredune to –11 ft NGVD
Foredune to –15 ft NGVD

- B – Profile Volumes (June 1999 thru May 2005)
Foredune to –4 ft NGVD

- C – Profile Volumes (June 1999 thru May 2005)
Foredune to –11 ft NGVD

- D – FEMA Maintenance Calculations (May 2005)

APPENDIX III-B. Profile Volumes for June 1999 - May 2005 - Foredune to -4 ft NGVD - PRELIMINARY (2 pages)

					Jun-99	Jun-00	Apr-03	Dec-03	Jun-04	May-05	Jun-99-May-05	Jun-99-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	Unit Vol	Net Vol	Unit Vol	Net Vol
Reach	Station	Offset	Cutoff	from Last	Unit Vol	Unit Vol	Unit Vol	Unit Vol	Unit Vol	Unit Vol	Change	Change	Change	Change
		(ft)	(ft)	(ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy/ft)	(cy)	(cy/ft)	(cy)
Pine	66	0	None	1,242	91.90	82.34	98.59	97.61	102.50	100.98	9.08	19,527	-1.52	(946)
Knoll	67	49	None	1,205	nd	72.91	112.61	104.34	106.51	106.46	nd	24,518	-0.05	(817)
Shores	68	0	None	1,513	56.85	56.51	86.01	78.65	81.21	80.18	23.33	22,326	-1.03	(5,590)
East	69	26	None	1,029	57.93	60.31	81.70	80.01	87.85	78.01	20.08	20,422	-9.84	(11,467)
	70	0	None	1,244	74.30	65.91	99.29	94.35	95.66	87.06	12.76	47,428	-8.60	(11,961)
	71	32	None	1,896	62.98	81.15	104.95	103.04	104.28	100.26	37.28	44,065	-4.02	(4,123)
	72	22	None	1,400	72.69	57.18	93.82	101.08	100.23	98.36	25.67	44,113	-1.87	(7,674)
	73	14	None	1,429	62.23	53.55	101.86	101.27	107.17	98.3	36.07	44,579	-8.87	(14,428)
	74	18	None	1,217	64.79	60.59	113.39	114.85	116.82	101.98	37.19	60,585	-14.84	(18,263)
	75	108	None	1,500	43.91	50.00	94.36	90.73	97.01	87.50	43.59	46,408	-9.51	(7,387)
	76	23	None	1,111	64.35	55.07	107.52	100.89	108.10	104.31	39.96	43,177	-3.79	1,936
Atlantic	77	36	None	1,290	70.97	72.47	96.74	87.02	91.14	97.93	26.96	23,665	6.79	9,440
Beach	78	20	None	948	83.77	77.26	94.77	94.74	93.60	106.72	22.95	32,649	13.12	15,938
	79	48	None	1,444	98.52	95.69	101.31	101.38	111.84	120.80	22.28	15,936	8.96	10,485
	80	0	None	900	116.24	113.20	119.75	114.80	115.04	129.39	13.15	10,720	14.35	12,250
	81	15	None	1,097	101.82	96.55	102.38	96.65	100.23	108.21	6.39	3,913	7.98	5,419
	82	1	None	707	84.39	69.41	75.36	79.22	81.72	89.07	4.68	13,330	7.35	14,777
	83	0	None	998	94.84	93.50	93.83	86.77	94.61	116.87	22.03	30,089	22.26	35,715
	84	0	None	1,012	107.51	107.86	99.16	89.02	96.62	144.95	37.44	38,375	48.33	53,334
	85	-6	None	1,000	114.63	107.34	98.25	98.24	95.59	153.97	39.34	52,979	58.38	65,692
	86	0	None	1,001	103.84	103.49	94.63	93.55	97.49	170.31	66.47	63,988	72.82	65,332
	87	12	None	1,000	110.73	117.14	117.84	108.63	114.39	172.30	61.57	65,323	57.91	59,814
	88	13	None	994	140.45	152.57	144.18	140.90	147.88	210.38	69.93	53,408	62.50	52,380
	89	95	None	1,008	100.37	92.29	98.34	85.03	94.98	136.44	36.07	33,910	41.46	39,681
	90	0	None	1,099	122.60	115.40	128.06	110.94	117.49	148.23	25.63	26,793	30.74	22,392
	91	50	None	912	92.66	92.26	95.55	91.10	107.42	125.78	33.12	22,383	18.36	14,369
	92	60	None	1,000	97.16	89.82	93.54	87.09	98.43	108.81	11.65	15,090	10.38	12,866
	93	60	None	1,000	80.12	80.69	73.19	78.95	83.30	98.66	18.54	25,240	15.36	20,373
	94	80	None	892	77.83	70.05	80.29	79.56	85.56	115.87	38.04	34,738	30.31	40,351
	95	100	None	1,024	86.88	89.64	83.57	72.37	68.18	116.72	29.84	45,468	48.54	58,060
	96	93	None	996	75.90	71.74	62.53	61.18	69.31	137.38	61.48	62,741	68.07	71,891
	97	25	None	999	80.29	85.74	71.98	63.56	68.56	144.43	64.14	55,029	75.87	72,868
	98	13	None	1,000	78.95	85.84	66.97	53.21	55.00	124.88	45.93	35,117	69.88	52,993
	99	-8	None	1,025	75.69	70.47	61.84	62.34	64.76	98.28	22.59	31,788	33.52	40,122
	100	0	None	973	74.99	66.43	68.75	77.16	68.79	117.74	42.75	49,206	48.95	45,588
	101	31	None	1,004	84.59	91.24	98.32	93.65	98.00	139.89	55.30	45,977	41.89	48,224
	102	10	None	1,001	85.15	82.38	76.71	57.47	67.25	121.73	36.58	23,212	54.48	43,584
Fort	103	-17	None	1,016	74.00	65.33	50.62	43.35	51.81	83.10	9.10	7,496	31.29	35,607
Macon	104	-40	None	975	96.07	74.88	77.41	72.79	60.62	102.34	6.27	7,878	41.72	46,491
State	105	55	None	993	90.51	77.73	68.68	59.61	48.22	100.10	9.59	9,910	51.88	47,492
Park	106	27	None	999	113.63	72.70	85.54	78.26	80.68	123.88	10.25	7,065	43.20	24,491
	107	0	None	531	116.84	102.78	100.53	88.85	84.13	133.21	16.37	4,413	49.08	18,180
	108	46	None	471	107.95	116.02	107.16	84.91	82.14	110.34	2.39	1,105	28.20	10,686
	109	0	1250	533	114.44	133.01	117.96	95.60	104.28	116.20	1.76	(979)	11.92	4,453
	110	11	None	460	118.15	142.56	121.92	93.16	104.68	112.13	-6.02	(19,866)	7.45	(1,625)
	111	190	None	721	130.37	128.37	102.43	81.10	93.22	81.26	-49.11	(24,555)	-11.96	25,788
	112	155	1050	500	nd	nd	nd	89.51	97.96	213.07	nd	(36,833)	115.11	49,384
Beaufort	113	0	1400	750	nd	nd	nd	140.76	127.08	143.66	nd	nd	16.58	9,583
Inlet	114	50	1250	500	nd	nd	nd	117.57	165.84	187.59	nd	nd	21.75	18,098
	115	25	1000	500	nd	nd	nd	144.28	185.26	235.90	nd	nd	50.64	8,555
	116	50	650	500	nd	nd	nd	129.33	138.41	121.99	nd	-	-16.42	-
Summary By Reach - Beach Volumes														
	Profiles			Reach Length	Jun-99	Jun-00	Apr-03	Dec-03	Jun-04	May-05	Jun-99-May-05	Jun-99-May-05	Jun-04-May-05	Jun-04-May-05
					Arith Avg (cy/ft)				Wtd Avg (cy/ft)		Net (cy)		Wtd Avg (cy/ft)	Net (cy)
Bogue Inlet-Chan	117-120			1,900	nd	nd	nd	37.6	32.6	36.8	nd	0	5.7	10,792
Bogue Inlet-Ocean	1-8			6,772	172.1	173.8	167.8	163.9	175.6	172.3	37.0	250,657	2.1	13,918
El-West	8-25			22,303	77.6	81.6	89.5	94.9	96.9	120.4	43.2	963,253	24.3	542,282
El-Central	25-36			15,945	74.2	79.9	114.2	112.3	112.9	117.4	42.3	675,135	4.4	70,577
El-East	36-48			12,900	72.5	72.2	133.6	123.2	126.6	123.7	52.0	670,766	-2.3	-29,447
IB/SP	48-58+			12,986	68.6	72.4	100.7	107.0	135.4	132.1	63.9	829,318	-3.3	-43,495
PKS-West	59-65			9,182	70.2	66.5	101.4	98.7	100.9	100.4	33.3	305,689	-0.9	-8,333
PKS-East	65-76			14,785	65.2	63.2	99.5	97.0	100.7	94.9	26.6	392,759	-5.6	-83,525
AB	76-102			26,322	93.9	91.9	92.2	87.1	91.8	129.1	35.4	931,032	35.8	942,289
FMSP	102-112			7,199	106.9	101.5	92.5	78.7	80.8	117.6	2.2	15,679	35.4	255,147
Beaufort Inlet	112-116			2,250	nd	nd	nd	133.0	154.1	172.3	nd	-36,833	38.1	85,619
County Project	8-76			88,099	72.3	73.9	105.6	105.1	111.2	116.1	43.6	3,836,920	5.1	448,059
Entire Oceanfront	1-112			128,392	86.1	86.7	105.3	102.2	108.0	122.8	39.2	5,034,288	12.9	1,659,414

APPENDIX III-C. Profile Volumes for June 1999 - May 2005 - Fore-dune to - 11 ft NGVD

Reach	Station	Baseline Offset (ft)	Cutoff (ft)	Distance from Last (ft)	Jun-99	Jun-00	Apr-03	Dec-03	Jun-04	May-05	Jun-04-May-05	Jun-04-May-05	Jun-99-May-05	Jun-99-May-05	
					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)	Unit Vol Change (cy/ft)	Net Vol Chg to Next (cy)	Unit Vol Change (cy/ft)	Net Vol Chg to Next (cy)	
Atlantic Beach	77	36	None	1,290	184.84	188.94	241.66	222.54	215.93	236.61	20.68	19,791	51.77	45,016	
	78	20	None	948	215.55	193.37	235.73	225.11	237.66	258.72	21.06	33,725	43.17	61,610	
	79	48	None	1,444	245.04	243.53	248.81	244.58	261.56	287.22	25.66	18,694	42.18	31,302	
	80	0	None	900	257.80	271.06	274.73	266.25	269.31	285.21	15.90	28,741	27.41	38,956	
	81	15	None	1,097	244.35	228.72	258.26	248.37	251.46	287.95	36.49	22,468	43.60	25,558	
	82	1	None	707	223.60	192.88	222.45	215.75	225.23	252.30	27.07	39,759	28.70	40,134	
	83	0	None	998	236.73	224.78	246.32	237.31	235.85	288.45	52.60	75,979	51.72	68,728	
	84	0	None	1,012	260.05	251.90	250.55	239.26	246.60	344.17	97.57	105,388	84.12	78,304	
	85	-6	None	1,000	273.81	266.91	247.54	248.05	233.07	346.36	113.29	112,032	72.55	96,905	
	86	0	None	1,001	243.07	243.00	253.07	244.71	253.60	364.06	110.46	107,226	120.99	114,038	
	87	12	None	1,000	258.79	256.19	279.69	265.20	261.89	365.99	104.10	99,275	107.20	101,173	
	88	13	None	994	320.31	342.59	323.21	314.37	321.03	416.78	95.75	84,994	96.47	89,554	
	89	95	None	1,008	236.87	227.16	252.79	232.77	245.20	318.14	72.94	71,063	81.27	83,743	
	90	0	None	1,099	275.17	268.54	304.43	275.40	289.91	346.27	56.36	40,625	71.10	62,119	
	91	50	None	912	232.38	235.23	261.43	244.25	264.77	297.49	32.72	32,727	65.11	61,389	
	92	60	None	1,000	227.91	200.52	246.56	244.33	252.85	285.59	32.74	36,804	57.68	94,217	
	93	60	None	1,000	147.53	150.69	220.35	243.17	237.45	278.34	40.89	49,205	130.81	116,254	
	94	80	None	892	182.28	174.59	239.00	246.26	242.66	312.07	69.41	77,305	129.79	99,812	
	95	100	None	1,024	230.83	230.78	231.43	225.73	214.43	296.08	81.65	95,925	65.25	84,354	
	96	93	None	996	215.47	207.96	202.04	207.18	208.63	319.64	111.01	115,548	104.17	101,433	
	97	25	None	999	235.87	236.49	212.45	208.16	214.45	334.79	120.34	119,038	98.92	84,777	
	98	13	None	1,000	227.07	256.05	210.35	188.18	179.96	297.72	117.76	107,425	70.65	52,808	
	99	-8	None	1,025	253.36	237.33	193.93	187.63	193.90	285.75	91.85	90,523	32.39	56,166	
	100	0	None	973	222.49	223.98	225.65	232.96	211.33	305.55	94.22	85,540	83.06	79,493	
	101	31	None	1,004	239.25	244.98	255.88	242.32	238.36	314.59	76.23	83,567	75.34	60,774	
	102	10	None	1,001	240.98	237.78	208.11	190.92	196.32	287.09	90.77	76,934	46.11	38,726	
Fort Macon	103	-17	None	1,016	207.96	201.55	173.58	161.44	177.43	238.06	60.63	52,637	30.10	14,026	
State Park	104	-40	None	975	247.37	190.72	216.78	207.68	198.73	246.03	47.30	67,879	-1.34	32,663	
	105	55	None	993	190.61	224.88	206.24	197.44	168.35	257.71	89.36	68,312	67.10	62,482	
	106	27	None	999	221.44	188.81	221.35	215.30	232.03	279.43	47.40	36,495	57.99	28,584	
	107	0	None	531	250.91	208.15	223.64	231.25	210.51	300.62	90.11	40,804	49.71	22,196	
	108	46	None	471	222.55	249.89	231.61	225.30	183.85	267.19	83.34	37,052	44.64	24,587	
	109	0	1250	533	234.87	267.72	250.00	235.63	226.77	282.54	55.77	26,786	47.67	21,590	
	110	11	None	460	238.30	287.48	247.71	228.92	223.80	284.54	60.74	33,786	46.24	19,873	
	111	190	None	721	250.52	255.83	239.13	218.29	226.41	259.43	33.02	33,095	8.91	23,120	
	112	155	1050	500	nd	nd	nd	240.86	229.03	328.39	99.36	71,550	nd	34,680	
Beaufort Inlet	113	0	1400	750	nd	nd	nd	368.59	387.63	479.07	91.44	34,143	nd	nd	
	114	50	1250	500	nd	nd	nd	326.51	418.03	463.16	45.13	33,038	nd	nd	
	115	25	1000	500	nd	nd	nd	306.86	360.20	447.22	87.02	14,493	nd	nd	
	116	50	650	500	nd	nd	nd	248.45	271.17	242.12	-29.05	-	nd	nd	
Summary By Reach - Beach Volumes												Jun-04-May-05	Jun-04-May-05	Jun-99-May-05	Jun-99-May-05
Profiles	Reach Length			Arith Avg (cy/ft)	Wtd Avg (cy/ft)			Net (cy)			Wtd Avg (cy/ft)	Net (cy)			
Bogue Inlet-Chan	117-120	1,900	nd	nd	79.4	69.9	77.9	10.04	19,069	-	-				
Bogue Inlet-Ocean	1-8	6,772	426.0	432.5	309.6	319.8	457.7	92.44	626,020	58.43	395,676				
EI-West	8-25	22,303	209.4	213.4	231.0	236.0	242.1	268.0	26.85	598,728	59.27	1,321,780			
EI-Central	25-36	15,945	194.1	202.6	249.1	244.6	249.1	258.0	8.04	128,154	62.85	1,002,184			
EI-East	36-48	12,900	194.3	190.9	281.3	264.5	270.0	268.3	-0.09	-1,204	74.72	963,911			
IB/SP	48-58+	12,986	185.1	195.6	241.6	240.1	293.3	287.3	-6.59	-85,523	99.42	1,290,983			
PKS-West	59-65	9,182	188.8	184.5	237.3	222.8	221.4	238.2	15.92	146,225	57.32	526,330			
PKS-East	65-76	14,785	191.2	187.3	246.5	233.3	238.6	234.2	-4.01	-59,354	38.97	576,150			
AB	76-102	26,322	235.8	232.2	244.1	236.2	238.6	308.2	67.09	1,766,014	72.27	1,902,206			
FMSP	102-112	7,199	229.4	230.6	223.3	216.2	207.7	274.4	65.82	473,780	39.99	287,847			
Beaufort Inlet	112-116	2,250	nd	nd	nd	312.6	359.3	407.9	68.10	153,223	-	-			
County Project	8-76	88,099	196.2	198.1	247.3	241.1	252.8	260.8	8.25	727,025	64.49	5,681,337			
Entire Oceanfront	1-112	128,392	219.5	223.5	248.5	242.7	249.7	285.4	27.98	3,592,840	64.39	8,267,067			
Bogue Inlet-Chan	117-120	-	-	-	-	101.7	88.9	98.9	8.00	-	19058.98	-	-		
Bogue Inlet-Ocean	1-8	363.7	375.5	323.0	330.9	329.7	422.1	137.59	625927.58	25.82	598700.84	-	-		
EI-West	8-25	208.1	211.5	228.3	233.6	240.5	267.3	258.0	8.96	128145.52	-1203.67	-	-		
EI-Central	25-36	194.2	201.4	247.9	243.9	249.0	257.0	268.0	-1.70	-85516.67	-	-	-		
EI-East	36-48	193.3	191.7	281.0	263.4	268.1	268.0	268.0	-5.93	-85516.67	-	-	-		
IB/SP	48-58+	187.0	195.3	244.6	242.8	293.0	286.4	286.4	16.87	146208.97	-	-	-		
PKS-West	59-65	160.7	186.3	237.2	223.4	227.7	243.6	243.6	-4.37	-59349.64	-	-	-		
PKS-East	65-76	194.3	188.5	245.7	232.7	237.3	233.2	306.7	69.60	1765946.82	-	-	-		
AB	76-102	234.5	230.6	245.4	237.1	239.6	306.7	306.7	66.70	473714.48	-	-	-		
FMSP	102-112	227.9	217.5	209.9	208.1	202.1	267.9	267.9	48.64	153154.40	-	-	-		
Beaufort Inlet	112-116	-	-	-	-	310.9	348.9	417.0	-	-	-	-	-		
County Project	8-76	195.7	197.9	245.8	240.0	251.9	260.2	8.02	727017.21	-	-	-	-		
Entire Oceanfront	1-112	214.3	215.1	247.8	242.4	250.7	278.7	35.65	3592811.71	-	-	-	-		

Appendix III-D - FEMA Beach Maintenance Calculations												
Beach/Nearshore Profile Volumes (Foredune to -11 ft NGVD)												
May 2005												
Bogue Banks Restoration Project - Phase I - Pine Knoll Shores												
					Post Construction							
Reach	Station	Distance from Last (ft)	Dune to -11	Volume	Dune to -11	Volume	Reach	Reach	Fill	Reach Volume	FEMA Maintenance	Percent
			Unit Vol(cy/ft)	To Next Line	Unit Vol(cy/ft)	To Next Line	Volume (cy)	Volume (cy)	Volume (cy)	Change (cy)	Baseline Cell Volume	Fill
			May 2005	May 2005	June 2002	June 2002	May 2005	June 2002	June 2002	6/02 - 5/05	(50% of fill remaining)	Remaining
	58	1,526	282.30	391,106	234.71	350,714						
Pine	59	1,488	243.38	285,411	236.68	276,518						
Knoll	60	1,208	229.35	303,231	221.32	291,683						
Shores	61	1,206	273.73	349,367	262.60	334,542						
West	62	1,374	234.81	298,118	224.36	272,749	2,237,196	2,127,790	489,073	109,406	1,883,253	122.4
	63	1,294	225.96	303,961	197.20	284,111						
	64	1,284	247.50	306,001	245.34	317,474						
	65	1,329	212.86	-	232.28	-						
	65	1,329	212.86	288,346	232.28	292,419						
Pine	66	1,242	251.54	299,991	238.68	304,022						
Knoll	67	1,205	246.37	341,696	265.92	364,368						
Shores	68	1,513	205.31	208,538	215.73	232,032						
East	69	1,029	200.17	263,186	235.43	300,385						
	70	1,244	223.06	440,272	247.62	472,497						
	71	1,896	241.46	341,670	250.90	361,319	3,448,445	3,768,319	787,513	(319,875)	3,374,563	59.4
	72	1,400	246.64	351,763	265.27	373,462						
	73	1,429	245.68	299,078	257.42	341,064						
	74	1,217	245.82	352,478	303.08	421,238						
	75	1,500	224.15	261,428	258.57	305,514						
	76	1,111	246.51	-	291.46	-						
Bogue Banks Restoration Project - Phase I - Indian Beach/ Salter Path												
					Post Construction							
Reach	Station	Distance from Last (ft)	Dune to -11	Volume	Dune to -11	Volume	Reach	Reach	Fill	Reach Volume	FEMA Maintenance	Percent
			Unit Vol(cy/ft)	To Next Line	Unit Vol(cy/ft)	To Next Line	Volume (cy)	Volume (cy)	Volume (cy)	Change (cy)	Baseline Cell Volume	Fill
			May 2005	May 2005	June 2002	June 2002	May 2005	June 2002	June 2002	6/02 - 5/05	(50% of fill remaining)	Remaining
	48	780	269.95	418,122	211.77	340,767						
	49	1,571	262.52	359,699	222.19	303,971						
	50	1,222	326.33	393,737	275.43	331,585						
	51	1,283	287.35	359,257	241.38	299,844						
Indian	52	1,241	291.63	431,601	241.85	356,945						
Beach/	53	1,486	289.26	375,682	238.56	326,817	3,718,677	3,197,794	456,994	520,883	2,969,297	214.0
Salter	54	1,244	314.73	342,486	286.87	315,339						
Path	55	1,165	273.43	324,302	254.67	296,512						
	56	1,194	269.79	287,800	242.00	258,103						
	57	1,055	276.01	425,991	247.48	367,911						
	58	1,526	282.30	-	234.71	-						
Bogue Banks Restoration Project - Phase II - Eastern Emerald Isle												
					Post Construction							
Reach	Station	Distance from Last (ft)	Dune to -11	Volume	Dune to -11	Volume	Reach	Reach	Fill	Reach Volume	FEMA Maintenance	Percent
			Unit Vol(cy/ft)	To Next Line	Unit Vol(cy/ft)	To Next Line	Volume (cy)	Volume (cy)	Volume (cy)	Change (cy)	Baseline Cell Volume	Fill
			May 2005	May 2005	April 2003	April 2003	May 2005	April 2003	April 2003	4/03 - 5/05	(50% of fill remaining)	Remaining
	26	1,400	238.54	336,945	234.75	331,359						
	27	1,335	266.36	272,972	261.78	272,417						
	28	1,099	230.45	411,364	234.02	429,196						
	29	1,670	262.32	370,783	280.11	417,536						
Emerald	30	1,642	255.78	376,756	228.46	393,012						
Isle	31	1,658	257.39	320,496	245.62	402,306	3,562,243	3,616,982	3,616,982	(54,739)	1,808,491	98.5
Central	32	1,642	266.34	378,775	244.40	340,866						
	33	1,364	281.27	394,553	255.33	352,256						
	34	1,396	283.83	337,410	249.19	308,099						
	35	1,279	243.62	362,190	232.44	369,935						
	36	1,460	252.53	-	274.32	-						
	36	1,460	252.53	285,573	274.32	306,557						
Emerald	37	1,112	261.23	306,904	277.19	320,890						
Isle	38	1,110	291.75	313,903	300.99	321,541						
East	39	1,103	277.43	322,978	282.04	333,214						
	40	1,096	312.00	320,052	326.07	326,710						
	41	1,095	272.57	297,468	270.66	321,097						
	42	1,118	259.43	275,861	303.60	299,416						
	43	1,080	251.66	290,441	251.13	287,803	3,457,258	3,624,869	1,119,421	(167,611)	3,065,158	85.0
	44	1,102	275.60	294,299	271.34	305,903						
	45	1,107	256.25	285,285	281.48	302,431						
	46	1,097	264.01	270,486	270.05	288,017						
	47	1,101	227.38	194,008	253.19	211,290						
	48	780	269.95	-	288.44	-						