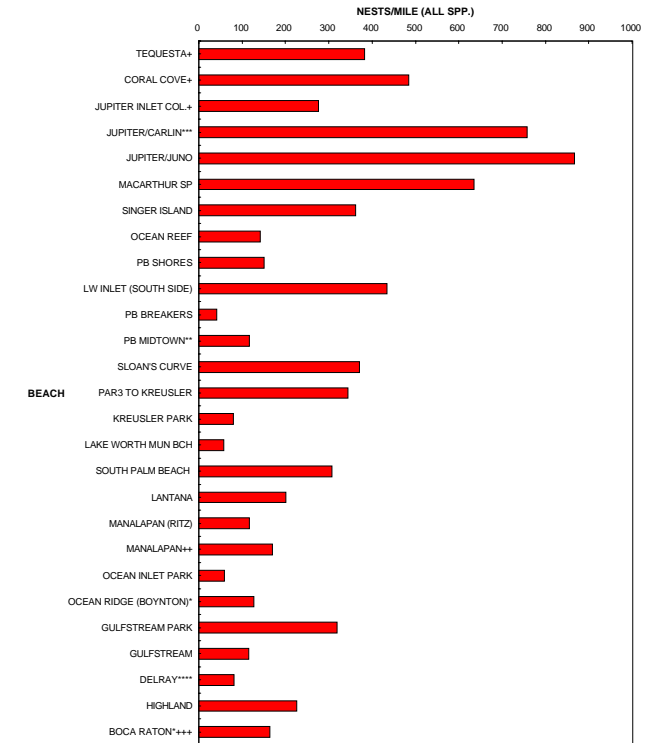


1999 SEA TURTLE NESTING DATA

COMPILED BY: Palm Beach County Dept. of Environmental Resources Management

SEA TURTLE NESTING DENSITY Palm Beach County, 1999

BEACH	LENGTH		TP#	PERMIT HOLDER	PHONE NUMBER	DAY/WK	TOTAL		NEST			C. caretta			C. mydas			D. coriacea		
	(MI)	(KM)					FALSE CRAWLS	TOTAL # NESTS	DENSITY (NEST/MI)	NESTS	FC	SUCC.	NESTS	FC	SUCC.	NESTS	FC	SUCC.		
TEQUESTA+	0.84	1.35	60	PAUL DAVIS	233-2509	2	367	320	381	310	364	0.46	10	2	0.83	0	1	0.00		
CORAL COVE+	0.18	0.29	60	PAUL DAVIS	233-2509	2	108	87	483	86	105	0.45	1	3	0.25	0	0	N.A.		
JUPITER INLET COL.+	0.85	1.37	60	PAUL DAVIS	233-2509	2	230	233	274	223	227	0.50	2	3	0.40	8	0	1.00		
JUPITER/CARLIN***	1.57	2.53	60	PAUL DAVIS	233-2509	7	1599	1187	756	1173	1595	0.42	2	3	0.40	12	1	0.92		
JUPITER/JUNO	6.00	9.66	77	MLC- LARRY WOOD	627-8280	7	4973	5196	866	5073	4931	0.51	45	35	0.56	78	7	0.92		
MACARTHUR SP	1.80	2.90	SP	JOE SMYTH	624-6950	7	740	1141	634	1097	724	0.60	21	13	0.62	23	3	0.88		
SINGER ISLAND	2.12	3.41	58	DEBBIE SOBEL	744-9876	7	801	765	361	723	776	0.48	22	21	0.51	20	4	0.83		
OCEAN REEF	0.15	0.24	105	DEBBIE SOBEL	744-9876	7	11	21	140	21	11	0.66	0	0	N.A.	0	0	N.A.		
PB SHORES	0.61	0.98	40	BARBARA KISSAS	845-1218	7	61	91	149	81	58	0.58	0	0	N.A.	10	3	0.77		
LW INLET (SOUTH SIDE)	0.70	1.13	60	PAUL DAVIS	233-2509	7	403	303	433	300	401	0.43	3	1	0.75	0	1	0.00		
PB BREAKERS	0.80	1.29	80	NEBOJSA GARIC	653-6678	7	16	32	40	31	16	N.A.	1	0	1.00	0	0	N.A.		
PB MDTOWN**	1.43	2.30	93	JOHN FLETEMEYER	838-5483	7	139	164	115	163	139	0.54	0	0	N.A.	1	0	1.00		
SLOAN'S CURVE	1.26	2.03	16	BOB SCHONFELD	547-1088	7	377	465	369	459	375	0.55	1	2	0.33	5	0	1.00		
PAR3 TO KREUSLER	0.93	1.50	16	BOB SCHONFELD	547-1088	7	201	319	343	303	197	0.61	1	1	0.50	15	3	0.83		
KREUSLER PARK	0.09	0.14	105	MANUEL MESA	243-4628	7	6	7	78	5	6	0.45	2	0	1.00	0	0	N.A.		
LAKE WORTH MUN BCH	0.27	0.43	44	MARK MYHRE	533-7367	7	4	15	56	15	4	0.79	0	0	N.A.	0	0	N.A.		
SOUTH PALM BEACH	1.70	2.74	16	BOB SCHONFELD	547-1088	7	532	519	305	512	526	0.49	3	2	0.60	4	4	0.50		
LANTANA	0.13	0.21	12	ROB CALDWELL	540-5731	7	20	26	200	21	20	0.51	3	0	1.00	2	0	1.00		
MANALAPAN (RITZ)	0.32	0.51	12	ROB CALDWELL	540-5731	7	55	37	116	32	54	0.37	5	1	0.83	0	0	N.A.		
MANALAPAN++	2.30	3.70	72	WERSHOVEN/DAVIS	750-2082	3	335	386	168	365	324	0.53	15	9	0.63	6	2	0.75		
OCEAN INLET PARK	0.12	0.19	60	PAUL DAVIS	233-2509	7	14	7	58	7	14	0.33	0	0	N.A.	0	0	N.A.		
OCEAN RIDGE (BOYNTON)*	2.80	4.51	98/60	DAVIS/TAYLOR	243-7272	7	442	351	125	334	439	0.43	8	2	0.80	9	1	0.90		
GULFSTREAM PARK	0.11	0.18	105	MANUEL MESA	243-4628	7	31	35	318	34	31	0.52	1	0	1.00	0	0	N.A.		
GULFSTREAM	1.59	2.56	98	ROBERT TAYLOR	243-7272	7	145	180	113	163	145	0.53	13	0	1.00	4	0	1.00		
DELRAY****	2.80	4.51	156/93	FLETEMEYER	838-5400	7	243	225	80	213	232	0.48	7	11	0.39	5	0	1.00		
HIGHLAND	3.00	4.83	136/100	JOSE ECHEVERRIA	272-3902	7	562	675	225	647	540	0.55	20	19	0.51	8	3	0.73		
BOCA RATON****	5.00	8.05	41	KIRT RUSENKO	338-1473	7	679	812	162	791	672	0.54	12	7	0.63	9	0	1.00		
PBC TOTALS	39.47	3.00					13094	13599	345	13182	12926	0.50	198	135	0.59	219	33	0.87		



% OF 44.9 MI PBC SHORELINE MONITORED= 88

% OF ALL SPECIES = 96.93% 1.46% 1.61%

NOTES: QUALITY OF DATA FOR EACH BEACH IS VARIABLE DUE TO DIFFERENT LEVELS OF EXPERIENCE AND METHODS USED BY PERMITTEES.

Nesting Success = # reported nests / (# reported nests + # reported false crawls). (Values ~ >0.7 for Cc considered questionable due to underreporting of false crawls)

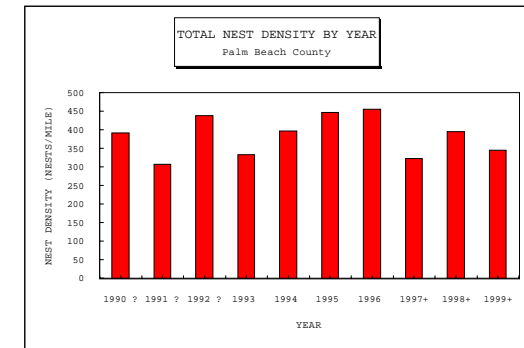
+ = During 1997 and 1998, surveys only conducted 1 day/week AND during 1999, surveys only conducted 2 days/week.

++ = During 1999, surveys only conducted 3 days/week (except for Zones 1 and 2 just north of the inlet, which were surveyed daily).

+++ = One Hawksbill (*Eretmochelys imbricata*) nest was observed in Boca Raton.

* = 2 Seasons Post-nourishment
 ** = 4 Seasons Post-nourishment
 *** = 5 Seasons Post-Nourishment.
 **** = 7 Seasons Post-nourishment.

YEAR	MILES SURVEYED	TOTAL NEST CT	DENSITY NEST/MILE
1990 ?	34.9	13,612	391
1991 ?	38.9	11,983	308
1992 ?	34.3	15,013	437
1993	29.0	9,643	333
1994	34.5	13,671	396
1995	32.0	14,317	447
1996	35.7	16,242	455
1997+	37.1	11,991	323
1998+	39.2	15,472	395
1999+	39.5	13,599	345
AVG=	35.5	13,554	383



+ = In 1997 & 1998, Tequesta, Coral Cove and Jupiter Inlet Col. only surveyed 1 day/week AND during 1999, surveys only conducted 2 days/week.
 ? = Underestimated density because it includes Finucane data which overstates survey

All survey lengths are based upon old measurements. ERM is in the process of collecting DGPS points for all survey boundaries in PBC and will update and distribute ? = Underestimated density because it includes Finucane data which overstates survey lengths.