

# 2738

**Dixon, Christopher**

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**From:** Fox, Lori  
**Sent:** Thursday, December 09, 2010 10:55 AM  
**To:** Dixon, Christopher  
**Subject:** FW: 2009 PIPL numbers  
**Attachments:** pic06622.gif; preliminary 1986-2009\_15 Jan 2009.pdf; image001.png; image002.png; graycol.gif

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

**Categories:** CAHA Admin

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**From:** Wetmore, Doug  
**Sent:** Wednesday, February 03, 2010 3:02 PM  
**To:** Fox, Lori  
**Cc:** Hamilton, Sandra  
**Subject:** FW: 2009 PIPL numbers

Fyi...

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**From:** Anne\_Hecht@fws.gov [mailto:Anne\_Hecht@fws.gov]  
**Sent:** Wednesday, February 03, 2010 2:57 PM  
**To:** Wetmore, Doug  
**Cc:** david.h.allen@ncwildlife.org; Pete\_Benjamin@fws.gov; Britta\_Muiznieks@nps.gov  
**Subject:** RE: 2009 PIPL numbers

Doug --

I am attaching the preliminary 2009 update. Please carefully label the preliminary estimates (denoted with parentheses), as the finals are likely to vary.

Anne

(See attached file: preliminary 1986-2009\_15 Jan 2009.pdf)

\*\*\*\*\*

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"Wetmore, Doug"  
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To<Anne\_Hecht@fws.gov>

01/19/2010 04:53 PM

cc<david.h.allen@ncwildlife.org>

SubjectRE: 2009 PIPL numbers

Hi Anne.

Any updates on these estimates?

Thanks.

**Doug Wetmore**  
Environmental Planner

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**From:** Anne\_Hecht@fws.gov [mailto:Anne\_Hecht@fws.gov]  
**Sent:** Wednesday, October 21, 2009 11:53 AM  
**To:** Wetmore, Doug  
**Cc:** Britta\_Muiznieks@nps.gov; Fox, Lori; david.h.allen@ncwildlife.org  
**Subject:** Re: 2009 PIPL numbers

Hi Doug --

I am still awaiting 2009 abundance and productivity estimates from several states, including in the Southern recovery unit. I do know that the NC estimate is 54 pairs (53 pairs during the window census) fledging 39 chicks.

The attachment summarizes Atlantic Coast abundance and productivity by state and recovery unit from 1986/1987 to 2008.

Anne

*(See attached file: AtlanticFigure1 & AppendixB.pdf)*

\*\*\*\*\*

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"Wetmore, Doug"  
<dwetmore@louisberger.com>  
10/16/2009 01:11 PM  
To <anne\_hecht@fv  
cc <Britta\_Muizniel  
"Fox, Lori"  
<lfox@louisberg  
Subject  
2009 PIPL numb

Hi Anne.

I'm working with Cape Hatteras NS on their Off-Road Vehicle Management Plan, and Britta suggested that I contact you to see if there are estimates for 2009 PIPL.

Are there 2009 estimates for the southern region, including North Carolina?

Thanks.

~Doug

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**Estimated abundance of breeding pairs of Atlantic Coast piping plovers, 1986 – 2009**      **PARENTHESES DENOTE PRELIMINARY ESTIMATES**

State/RECOVERY UNIT	Pairs																							
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Maine	15	12	20	16	17	18	24	32	35	40	60	47	60	56	50	55	66	61	55	49	40	35	24	27
New Hampshire												5	5	6	6	7	7	7	4	3	3	3	3	5
Massachusetts	139	126	134	137	140	160	213	289	352	441	454	483	495	501	496	495	538	511	488	467	482	558	566	(575)
Rhode Island	10	17	19	19	28	26	20	31	32	40	50	51	46	39	49	52	58	71	70	69	72	73	77	84
Connecticut	20	24	27	34	43	36	40	24	30	31	26	26	21	22	22	32	31	37	40	34	37	36	41	44
NEW ENGLAND	184	179	200	206	228	240	297	376	449	552	590	612	627	624	623	641	700	687	657	622	634	705	711	(735)
New York	106	135	172	191	197	191	187	193	209	249	256	256	245	243	289	309	369	386	384	374	422	457	443	(437)
New Jersey	102	93	105	128	126	126	134	127	124	132	127	115	93	107	112	122	138	144	135	111	116	129	111	105
NY-NJ	208	228	277	319	323	317	321	320	333	381	383	371	338	350	401	431	507	530	519	485	538	586	554	(542)
Delaware	8	7	3	3	6	5	2	2	4	5	6	4	6	4	3	6	6	6	7	8	9	9	10	10
Maryland	17	23	25	20	14	17	24	19	32	44	61	60	56	58	60	60	60	59	66	63	64	64	49	45
Virginia	100	100	103	121	125	131	97	106	96	118	87	88	95	89	96	119	120	114	152	192	202	199	208	193
North Carolina	30	30	40	55	55	40	49	53	54	50	35	52	46	31	24	23	23	24	20	37	46	61	64	54
South Carolina	3		0		1	1	1	1			0					0						0		
SOUTHERN	158	160	171	199	201	194	172	181	186	217	189	204	203	182	183	208	209	203	245	300	321	333	331	302
U.S. TOTAL	550	567	648	724	752	751	790	877	968	1150	1162	1187	1168	1156	1207	1280	1416	1420	1421	1407	1493	1624	1596	(1579)
EASTERN CANADA*	240	223	238	233	230	252	223	223	194	200	202	199	211	236	230	250	274	256	237	217	256	266	253	(252)
ATLANTIC COAST TOTAL	790	790	886	957	982	1003	1013	1100	1162	1350	1364	1386	1379	1392	1437	1530	1690	1676	1658	1624	1749	1890	1849	(1831)

\* includes 1-5 pairs on the French Islands of St. Pierre and Miquelon, reported by CWS

**Estimated productivity of Atlantic Coast piping plovers, 1987 – 2009**      **PARENTHESES DENOTE PRELIMINARY ESTIMATES**

State/RECOVERY UNIT	Chicks fledged/pair																						
	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Maine	1.75	0.75	2.38	1.53	2.50	2.00	2.38	2.00	2.38	1.63	1.98	1.47	1.63	1.60	1.98	1.39	1.28	1.45	0.55	1.35	1.06	1.75	1.70
New Hampshire										0.60	2.40	2.67	2.33	2.14	0.14	1.00	1.00	1.00	0.00	0.67	0.33	2.00	0.40
Massachusetts	1.10	1.29	1.59	1.38	1.72	2.03	1.92	1.81	1.62	1.35	1.33	1.50	1.60	1.09	1.49	1.14	1.26	1.38	1.14	1.33	1.25	1.41	(0.90)
Rhode Island	1.12	1.58	1.47	0.88	0.77	1.55	1.80	2.00	1.68	1.56	1.34	1.13	1.79	1.20	1.50	1.95	1.03	1.50	1.43	1.03	1.48	1.68	1.46
Connecticut	1.29	1.70	1.79	1.63	1.39	1.45	0.38	1.47	1.35	1.31	1.69	1.05	1.45	1.86	1.22	1.87	1.30	1.35	1.62	2.14	1.92	2.49	1.68
NEW ENGLAND	1.19	1.32	1.68	1.38	1.62	1.91	1.85	1.81	1.67	1.40	1.39	1.46	1.62	1.18	1.53	1.26	1.24	1.40	1.15	1.34	1.30	1.51	(1.04)
New York	0.90	1.24	1.02	0.80	1.09	0.98	1.24	1.34	0.97	1.14	1.36	1.09	1.35	1.11	1.27	1.62	1.15	1.46	1.44	1.55	1.15	1.21	(0.93)
New Jersey	0.85	0.94	1.12	0.93	0.98	1.07	0.93	1.16	0.98	1.00	0.39	1.09	1.34	1.40	1.29	1.17	0.92	0.61	0.77	0.84	0.67	0.64	1.05
NY-NJ	0.86	1.03	1.08	0.88	1.04	1.02	1.08	1.25	0.97	1.07	1.02	1.09	1.35	1.19	1.28	1.49	1.07	1.23	1.28	1.36	1.03	1.10	(0.96)
Delaware		0.00	2.33	2.00	1.60	1.00	0.50	2.50	2.00	0.50	1.00	0.83	1.50	1.67	1.50	1.17	2.33	1.14	1.50	1.44	1.33	0.30	1.30
Maryland	1.17	0.52	0.90	0.79	0.41	1.00	1.79	2.41	1.73	1.49	1.02	1.30	1.09	0.80	0.92	1.85	1.56	1.86	1.25	1.06	0.78	0.41	1.42
Virginia		1.02	1.16	0.65	0.88	0.59	1.45	1.66	1.00	1.54	0.71	1.01	1.21	1.42	1.52	1.19	1.90	2.23	1.52	1.19	1.16	0.87	1.19
North Carolina			0.59	0.43	0.07	0.41	0.74	0.36	0.45	0.86	0.23	0.61	0.48	0.54	0.50	0.17	0.46	0.65	0.92	0.87	0.26	0.30	0.70
SOUTHERN	1.17	0.85	0.88	0.72	0.68	0.62	1.18	1.37	1.05	1.34	0.68	0.99	1.04	1.09	1.22	1.27	1.63	1.95	1.38	1.12	0.92	0.67	1.14
U.S. (average)	1.04	1.11	1.28	1.06	1.22	1.35	1.47	1.56	1.35	1.30	1.16	1.27	1.45	1.17	1.40	1.34	1.24	1.43	1.24	1.30	1.13	1.19	(1.03)
EASTERN CANADA*	1.65	1.58	1.62	1.62	1.07	1.55	0.69	1.25	1.69	1.72	2.10	1.84	1.74	1.47	1.77	1.18	1.62	1.93	1.82	1.82	1.14	1.47	(1.22)

\* includes St. Pierre and Miquelon, reported by CWS