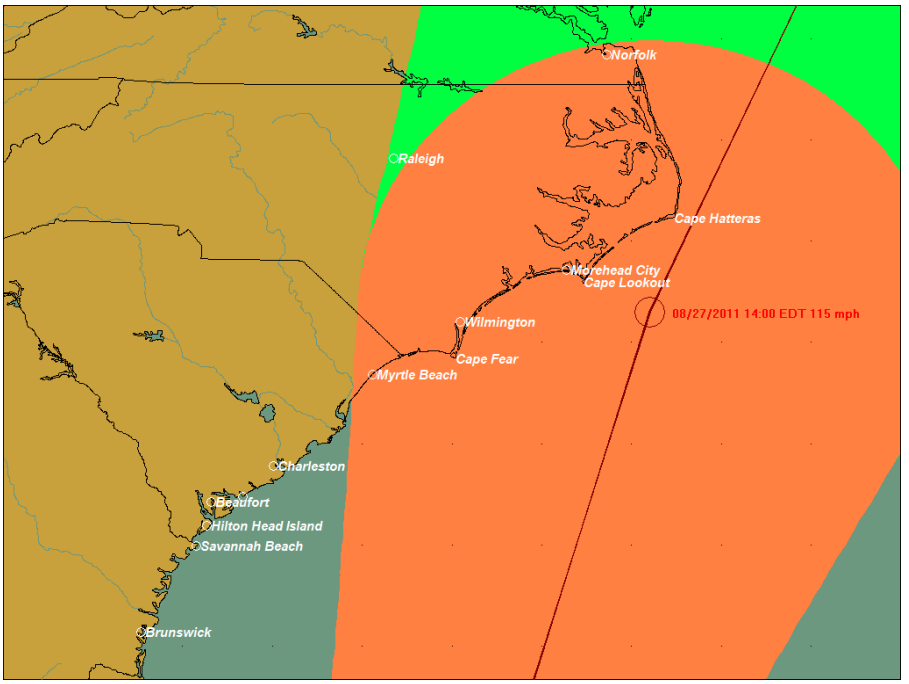


Description of impact to Wilmington, NC

Wilmington, NC is expected to receive a minor impact from Hurricane IRENE.

Northeasterly gale force winds should start affecting the area on Friday, August 26th at 10 PM EDT. The highest wind speeds from Hurricane IRENE should occur near 8 AM when top sustained winds, from the North, could reach 51 MPH with gusts near 64 MPH. Winds should decrease below gale force 9 hours later.

Sustained winds will fall below gale force after 5 PM and generally be from the North during this period of decreasing winds. Expect gusts above gale force level for several more hours thereafter.

Some minor residential wind damage may occur from Hurricane IRENE in Wilmington.

The total rainfall for the Wilmington area over the next 3 days is forecast to be 2.5 inches. This can vary significantly as tropical storm and hurricane rainfall is very difficult to predict.

Latest Position: 791 mi. South (166 degrees) of Wilmington, NC

Latitude	Longitude	Motion (mph)	Wind Speed (MPH)	Central Pressure (in.)	74 mph NE	74 mph SE	74 mph SW	74 mph NW	58 mph NE	58 mph SE	58 mph SW	58 mph NW	39 mph NE	39 mph SE	39 mph SW	39 mph NW	Eye diam	Eye wall
23.1	-74.7	317/13	121	28.16	50	45	25	40	100	70	50	80	200	180	100	150	20	10

Official Forecast

Hour	Date (UTC)	Time (UTC)	Latitude	Longitude	Wind Speed (MPH)	74 mph NE	74 mph SE	74 mph SW	74 mph NW	58 mph NE	58 mph SE	58 mph SW	58 mph NW	39 mph NE	39 mph SE	30 mph SW	39 mph NW
Initial	08/24/2011	2100	23.1	-74.7	121	050	045	025	040	100	070	050	080	200	180	100	150
12	08/25/2011	0600	24.3	-75.8	127	050	045	025	040	100	070	050	080	200	180	100	150
24	08/25/2011	1800	26.1	-76.8	132	050	045	025	040	100	070	050	080	200	180	100	150
36	08/26/2011	0600	28.2	-77.3	132	060	050	030	050	100	080	060	080	200	180	125	160
48	08/26/2011	1800	30.1	-77.3	127					100	080	060	080	200	200	125	160
72	08/27/2011	1800	34.3	-75.8	115					100	100	060	080	225	225	140	140
96	08/28/2011	1800	39.5	-73	98												
120	08/29/2011	1800	47	-69	63												

Strike Probabilities for Wilmington, NC

TOTAL	Next 24 hours	24 - 36 hours	36- 48 hours	48-72 hours
17	0	0	1	16

Forecast Impact Summary for Wilmington, NC

Max Wind (avg/gust)	Max Wind Date/Time	CPA	Rain		Arr. hrs.	Time of arrival	Time of departure	Duration
51 / 64 mph.	Saturday, 08/27/2011 08:30 EDT	114 mi.	2.5"	39 mph	53	08/26/2011 22:30 EDT	08/27/2011 17:30 EDT	20

Forecast Impact Detail

Date / Time	Time of Day	Wind Speed (avg/gust)	Wind Dir. (degs.)	Distance to 39 mph winds (mi.)	Distance to 58 mph winds (mi.)	Distance to 74 mph winds (mi.)	Distance to center (mi.)	Comments
Friday, 08/26/2011 22:30 EDT	NIGHT	039/049 mph	045		0094	0131	0192	Minor damage
Friday, 08/26/2011 23:00 EDT	NIGHT	040/050 mph	044		0090	0127	0188	Minor damage
Friday, 08/26/2011 23:30 EDT	NIGHT	041/051 mph	043		0085	0122	0183	Minor damage
Saturday, 08/27/2011 00:00 EDT	NIGHT	042/052 mph	041		0081	0119	0178	Minor damage
Saturday, 08/27/2011 00:30 EDT	NIGHT	042/053 mph	040		0076	0113	0173	Minor damage
Saturday, 08/27/2011 01:00 EDT	NIGHT	043/054 mph	039		0071	0108	0168	Minor damage
Saturday, 08/27/2011 01:30 EDT	NIGHT	044/055 mph	037		0067	0104	0164	Minor damage
Saturday, 08/27/2011 02:00 EDT	NIGHT	044/056 mph	035		0063	0100	0160	Minor damage
Saturday, 08/27/2011 02:30 EDT	NIGHT	045/056 mph	034		0060	0096	0155	Minor damage
Saturday, 08/27/2011 03:00 EDT	NIGHT	046/057 mph	032		0055	0092	0151	Minor damage
Saturday, 08/27/2011 03:30 EDT	NIGHT	046/058 mph	030		0053	0089	0147	Minor damage
Saturday, 08/27/2011 04:00 EDT	NIGHT	047/059 mph	028		0048	0084	0143	Minor damage
Saturday, 08/27/2011 04:30 EDT	NIGHT	047/059 mph	026		0046	0081	0139	Minor damage
Saturday, 08/27/2011 05:00 EDT	NIGHT	048/060 mph	024		0043	0078	0136	Minor damage
Saturday, 08/27/2011 05:30 EDT	NIGHT	048/061 mph	022		0040	0075	0132	Minor damage
Saturday, 08/27/2011 06:00 EDT	NIGHT	049/061 mph	019		0037	0071	0129	Minor damage
Saturday, 08/27/2011 06:30 EDT	NIGHT	049/062 mph	017		0036	0070	0127	Minor damage
Saturday, 08/27/2011 07:00 EDT	DAY	050/062 mph	014		0033	0068	0124	Minor damage
Saturday, 08/27/2011 07:30 EDT	DAY	050/063 mph	011		0032	0067	0122	Minor damage
Saturday, 08/27/2011 08:00 EDT	DAY	050/063 mph	009		0030	0064	0120	Minor damage
Saturday, 08/27/2011 08:30 EDT	DAY	051/063 mph	006		0029	0063	0117	Minor damage
Saturday, 08/27/2011 09:00 EDT	DAY	051/064 mph	003		0029	0063	0116	Minor damage
Saturday, 08/27/2011 09:30 EDT	DAY	051/064 mph	360		0029	0063	0115	Minor damage
Saturday, 08/27/2011 10:00 EDT	DAY	051/064 mph	357		0029	0063	0115	Minor damage
Saturday, 08/27/2011 10:30 EDT	DAY	051/064 mph	353		0029	0063	0114	Minor damage
Saturday, 08/27/2011 11:00 EDT	DAY	051/063 mph	350		0030	0064	0114	Minor damage
Saturday, 08/27/2011 11:30 EDT	DAY	051/063 mph	347		0030	0064	0114	Minor damage
Saturday, 08/27/2011 12:00 EDT	DAY	050/063 mph	344		0032	0067	0115	Minor damage
Saturday, 08/27/2011 12:30 EDT	DAY	050/062 mph	341		0035	0069	0116	Minor damage
Saturday, 08/27/2011 13:00 EDT	DAY	050/062 mph	338		0036	0070	0117	Minor damage
Saturday, 08/27/2011 13:30 EDT	DAY	049/061 mph	335		0038	0073	0119	Minor damage
Saturday, 08/27/2011 14:00 EDT	DAY	048/061 mph	332		0041	0076	0121	Minor damage
Saturday, 08/27/2011 14:30 EDT	DAY	048/059 mph	329		0045	0079	0124	Minor damage
Saturday, 08/27/2011 15:00 EDT	DAY	046/058 mph	326		0051	0085	0129	Minor damage
Saturday, 08/27/2011 15:30 EDT	DAY	045/056 mph	323		0056	0090	0134	Minor damage
Saturday, 08/27/2011 16:00 EDT	DAY	044/055 mph	320		0062	0096	0138	Minor damage
Saturday, 08/27/2011 16:30 EDT	DAY	042/053 mph	317		0069	0101	0144	Minor damage
Saturday, 08/27/2011 17:00 EDT	DAY	041/051 mph	315		0075	0107	0149	Minor damage
Saturday, 08/27/2011 17:30 EDT	DAY	039/049 mph	313		0081	0113	0154	Minor damage