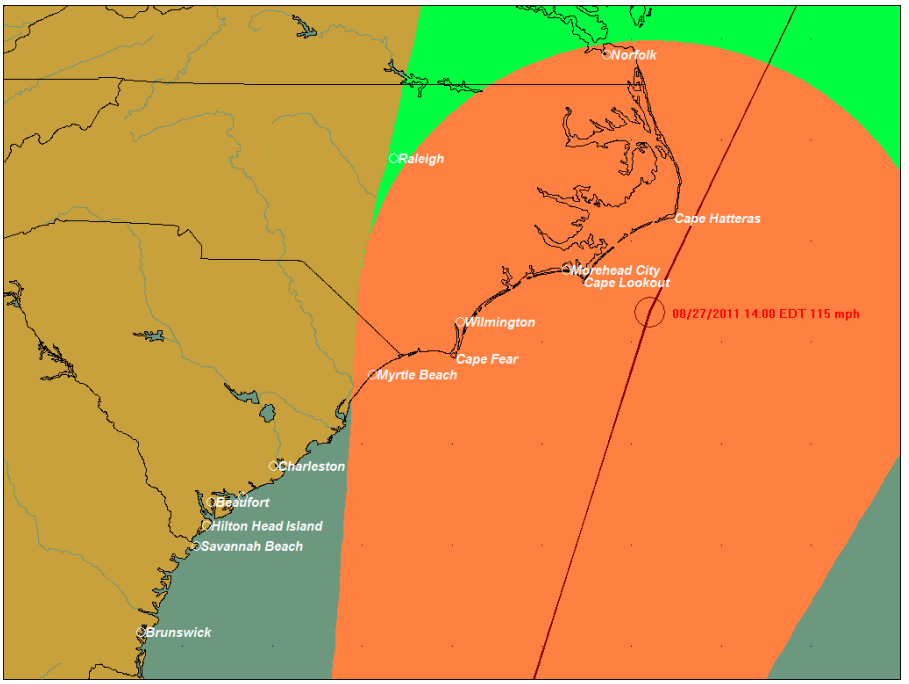


Description of impact to Morehead City, NC

Morehead City, NC is expected to receive a moderate impact from Hurricane IRENE.

Northeasterly gale force winds should start affecting the area on Friday, August 26th at 11 PM EDT with storm force winds arriving around 8 AM. The highest wind speeds from Hurricane IRENE should occur near 1 PM when top sustained winds, from the North, could reach 71 MPH with gusts near 89 MPH. Winds should decrease below storm force 4 hours later.

Sustained winds will fall below gale force after 10 PM and generally be from the North during this period of decreasing winds. Expect gusts above gale force level for several more hours thereafter.

Wind damage from Hurricane IRENE could include some loss of roofing material, gutters and/or awning and loss of vinyl or metal siding.

The total rainfall for the Morehead City area over the next 3 days is forecast to be 3.3 inches. This can vary significantly as tropical storm and hurricane rainfall is very difficult to predict.

Latest Position: 812 mi. South (171 degrees) of Morehead City, 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 Morehead City, NC

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

Forecast Impact Summary for Morehead City, NC

Max Wind (avg/gust)	Max Wind Date/Time	CPA	Rain		Arr. hrs.	Time of arrival	Time of departure	Duration
71 / 89 mph.	Saturday, 08/27/2011 13:30 EDT	60 mi.	3.3"	39 mph	54	08/26/2011 23:30 EDT	08/27/2011 22:30 EDT	24
				58 mph	63	08/27/2011 08:30 EDT	08/27/2011 17:00 EDT	10

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 23:30 EDT	NIGHT	040/050 mph	065		0100	0140	0204	Minor damage
Saturday, 08/27/2011 00:00 EDT	NIGHT	041/051 mph	064		0094	0135	0198	Minor damage
Saturday, 08/27/2011 00:30 EDT	NIGHT	042/052 mph	064		0089	0129	0192	Minor damage
Saturday, 08/27/2011 01:00 EDT	NIGHT	043/054 mph	063		0083	0123	0187	Minor damage
Saturday, 08/27/2011 01:30 EDT	NIGHT	044/055 mph	062		0077	0117	0181	Minor damage
Saturday, 08/27/2011 02:00 EDT	NIGHT	045/056 mph	062		0071	0111	0174	Minor damage
Saturday, 08/27/2011 02:30 EDT	NIGHT	046/057 mph	061		0066	0105	0168	Minor damage
Saturday, 08/27/2011 03:00 EDT	NIGHT	047/059 mph	060		0060	0100	0162	Minor damage
Saturday, 08/27/2011 03:30 EDT	NIGHT	048/060 mph	059		0054	0094	0157	Minor damage
Saturday, 08/27/2011 04:00 EDT	NIGHT	049/061 mph	058		0050	0089	0151	Minor damage
Saturday, 08/27/2011 04:30 EDT	NIGHT	050/062 mph	057		0044	0083	0145	Minor damage
Saturday, 08/27/2011 05:00 EDT	NIGHT	051/064 mph	056		0038	0077	0139	Minor damage
Saturday, 08/27/2011 05:30 EDT	NIGHT	052/065 mph	055		0032	0071	0134	Minor damage
Saturday, 08/27/2011 06:00 EDT	NIGHT	053/066 mph	054		0026	0066	0128	Minor damage
Saturday, 08/27/2011 06:30 EDT	NIGHT	054/067 mph	053		0022	0060	0122	Minor damage
Saturday, 08/27/2011 07:00 EDT	DAY	055/068 mph	051		0017	0056	0117	Minor damage
Saturday, 08/27/2011 07:30 EDT	DAY	056/070 mph	049		0013	0051	0112	Minor damage
Saturday, 08/27/2011 08:00 EDT	DAY	057/071 mph	048		0007	0045	0106	Minor damage
Saturday, 08/27/2011 08:30 EDT	DAY	058/072 mph	046		0002	0040	0101	Minor damage
Saturday, 08/27/2011 09:00 EDT	DAY	059/073 mph	043			0035	0096	Minor damage
Saturday, 08/27/2011 09:30 EDT	DAY	061/076 mph	041			0031	0091	Minor damage
Saturday, 08/27/2011 10:00 EDT	DAY	062/078 mph	038			0026	0086	Minor damage
Saturday, 08/27/2011 10:30 EDT	DAY	064/080 mph	035			0022	0082	Minor damage
Saturday, 08/27/2011 11:00 EDT	DAY	066/082 mph	032			0020	0078	Minor damage
Saturday, 08/27/2011 11:30 EDT	DAY	067/084 mph	028			0015	0074	Minor damage
Saturday, 08/27/2011 12:00 EDT	DAY	068/085 mph	024			0013	0070	Minor damage
Saturday, 08/27/2011 12:30 EDT	DAY	070/087 mph	020			0009	0067	Minor damage
Saturday, 08/27/2011 13:00 EDT	DAY	070/088 mph	015			0008	0064	Minor damage
Saturday, 08/27/2011 13:30 EDT	DAY	071/089 mph	009			0007	0062	Minor damage
Saturday, 08/27/2011 14:00 EDT	DAY	071/088 mph	004			0007	0060	Minor damage
Saturday, 08/27/2011 14:30 EDT	DAY	070/088 mph	356			0008	0060	Minor damage
Saturday, 08/27/2011 15:00 EDT	DAY	068/086 mph	348			0012	0061	Minor damage
Saturday, 08/27/2011 15:30 EDT	DAY	067/084 mph	341			0015	0063	Minor damage
Saturday, 08/27/2011 16:00 EDT	DAY	064/081 mph	334			0020	0066	Minor damage
Saturday, 08/27/2011 16:30 EDT	DAY	062/077 mph	328			0025	0070	Minor damage
Saturday, 08/27/2011 17:00 EDT	DAY	059/074 mph	323			0030	0074	Minor damage
Saturday, 08/27/2011 17:30 EDT	DAY	057/071 mph	318		0005	0037	0079	Minor damage
Saturday, 08/27/2011 18:00 EDT	DAY	055/069 mph	314		0013	0044	0085	Minor damage
Saturday, 08/27/2011 18:30 EDT	DAY	054/067 mph	310		0020	0051	0091	Minor damage
Saturday, 08/27/2011 19:00 EDT	DAY	052/065 mph	307		0026	0058	0097	Minor damage
Saturday, 08/27/2011 19:30 EDT	DAY	050/063 mph	304		0033	0063	0104	Minor damage
Saturday, 08/27/2011 20:00 EDT	NIGHT	049/061 mph	302		0041	0071	0111	Minor damage
Saturday, 08/27/2011 20:30 EDT	NIGHT	047/059 mph	299		0050	0078	0117	Minor damage
Saturday, 08/27/2011 21:00 EDT	NIGHT	045/057 mph	297		0056	0085	0124	Minor damage
Saturday, 08/27/2011 21:30 EDT	NIGHT	044/054 mph	296		0064	0093	0131	Minor damage
Saturday, 08/27/2011 22:00 EDT	NIGHT	042/052 mph	294		0073	0100	0138	Minor damage
Saturday, 08/27/2011 22:30 EDT	NIGHT	040/050 mph	293		0081	0107	0146	Minor damage