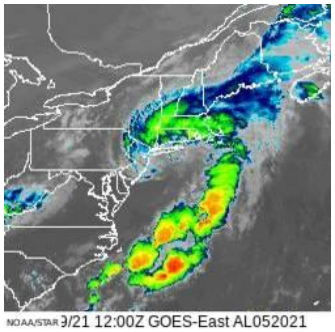
Tropical Storm Elsa

Information from NHC Advisory 37A, 800 AM EDT Fri Jul 09, 2021

On the forecast track, the center of Elsa will move near or over eastern Long Island and the coast of southern New England today, and then offshore the northeastern United States coast by late this afternoon. The system should move over Atlantic Canada by late tonight and Saturday. Maximum sustained winds are near 50 mph (85 km/h) with higher gusts. No significant change in strength is expected through today. Elsa is forecast to become a post-tropical cyclone by tonight.



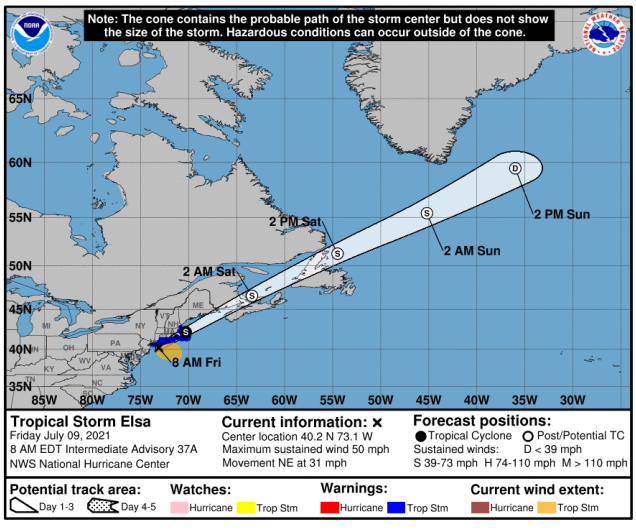
Intensity Measures		Position & Heading		U.S. Landfall (NHC)	
Max Sustained Wind Speed:	50 mph (tropical storm)	Position Relative to Land:	90 mi SW of Montauk Point New York	Est. Time & Region:	NA
Min Central Pressure:	1000 mb	Coordinates:	40.2N, 73.1W		
Trop. Storm Force Winds Extent:	up to 160 mi	Bearing/Speed:	NE or 45 Degrees at 31 mph	Est. Max Sustained Wind Speed:	50 mph (tropical storm)

T

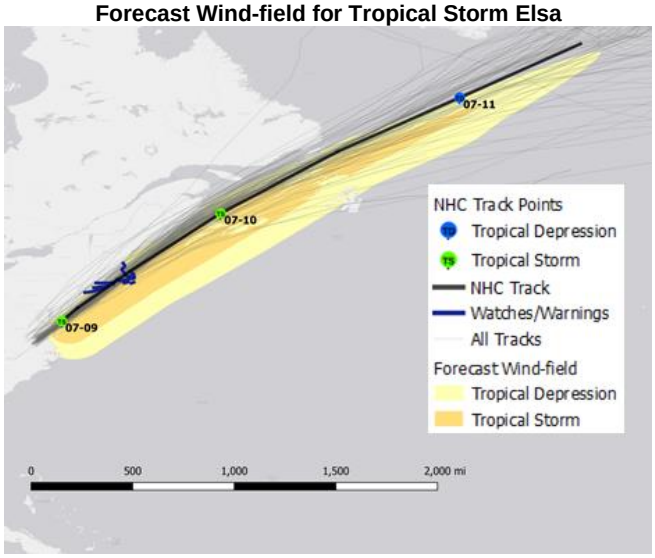
Forecast Summary

- Tropical storm conditions will spread into the warning area over the northeastern U.S. coast this morning and continue through early afternoon. Elsa is likely to bring gusty winds to portions of Atlantic Canada tonight and Saturday after it becomes a post-tropical cyclone.
- Elsa is expected-producing the following rainfall amounts the rest of this week: 2-4 inches of rain with isolated totals up to 6 inches are possible across northern New Jersey, Long Island, and southern and coastal New England through Friday. This rainfall may result in considerable flash and urban flooding, as well as expected isolated minor river flooding.
- A few tornadoes are possible over parts of Long Island and southeastern New England through early afternoon.

Forecast Track for Tropical Storm Elsa



Forecast Wind-field for Tropical Storm Elsa



© Copyright 2021 Willis Limited / Willis Re Inc. All rights reserved: No part of this publication may be reproduced, disseminated, distributed, stored in a retrieval system, transmitted or otherwise transferred in any form or by any means, whether electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of Willis Limited / Willis Re Inc. Some information contained in this document may be compiled from third party sources and Willis Towers Watson (as defined below) does not guarantee and is not responsible for the accuracy of such. This document is for general information only and is not intended to be relied upon. Any action based on or in connection with anything contained herein should be taken only after obtaining specific advice from independent professional advisors of your choice. The views expressed in this document are not necessarily those of Willis Limited / Willis Re Inc., its parent companies, sister companies, subsidiaries or affiliates, Willis Towers Watson PLC and all member companies thereof (hereinafter collectively, "Willis Towers Watson"). Willis Towers Watson is not responsible for the accuracy or completeness of the contents herein and expressly disclaims any responsibility or liability, based on any legal theory, for damages in any form or amount, based upon, arising from or in connection with for the reader's application of any of the contents herein to any analysis or other matter, or for any results or conclusions based upon, arising from or in connection with the contents herein, nor do the contents herein guarantee, and should not be construed to guarantee, any particular result or outcome. Willis Towers Watson accepts no responsibility for the content or quality of any third party websites that are referenced.

Kinetic Analysis Corporation's (KAC) real-time hazard and impact forecast information is provided "as is" and without warranties as to performance or any other warranties whether expressed or implied. The user is strongly cautioned to recognize that natural hazards modeling and analysis are subject to many uncertainties. These uncertainties include, but are not limited to, the uncertainties inherent in weather and climate, incomplete or inaccurate weather data, changes to the natural and built environment, limited historical records, and limitations in the state of the art of modeling, as well as limits to the scientific understanding of storm weather phenomena. Anyone making use of the hazard and impact information provided by KAC, or the information contained within, assumes all liability deriving from such use, and agrees to "hold harmless" any and all agencies or individuals associated with its creation. The user agrees to provide any subsequent users of this data with this disclaimer. The publication of the material contained herein is not intended as a representation or warranty that this information is suitable for any general or particular use.

Hazard and damage potential maps produced by Willis are based on numerical modeling results from Kinetic Analysis Corporation.

KINETICANALYSIS Corporation

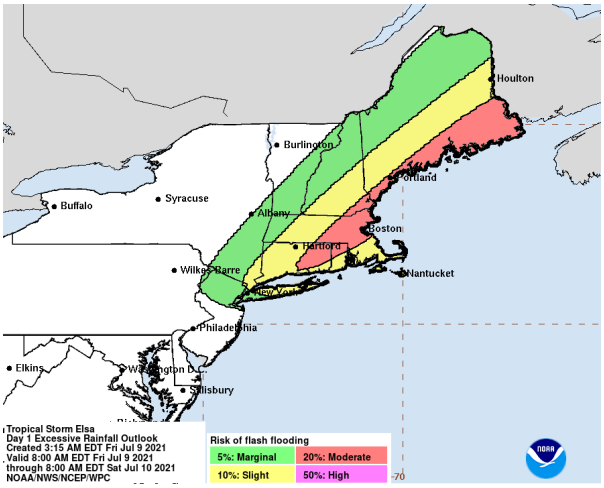
Coastal Watches and Warnings

A **Tropical Storm Warning** – meaning that tropical storm conditions are expected within the warning area - is in effect for: Long Island from East Rockaway Inlet to the eastern tip along the south shore and from Port Jefferson Harbor eastward on the north shore New Haven, Connecticut to Merrimack River, Massachusetts including Cape Cod, Block Island, Martha's Vineyard, and Nantucket.

Flash Flooding Potential and Most Likely Arrival Time of Tropical Storm Force Winds

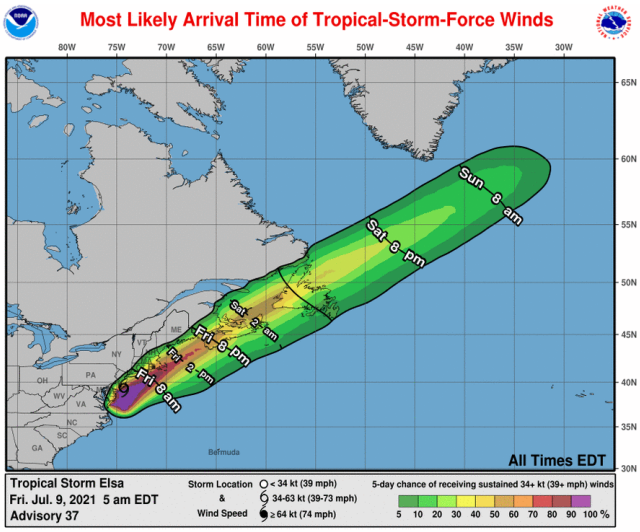
Flash Flooding Potential

The graphic below shows flash flooding potential through 8 AM EDT Sat Jul 10.



Most Likely Arrival Time of Tropical-Storm-Force Winds

The graphic below shows probabilities of sustained (1-minute average) surface wind speeds equal to or exceeding 34 kt (39 mph). These wind speed probabilities are based on the official National Hurricane Center (NHC) track, intensity, and wind radii forecasts, and on NHC forecast error statistics for those forecast variables during recent years



Contact us

Roy Cloutier
roy.cloutier@ willistowerswatson.com

Dr. Mahesh Shinde
Mahesh.Shinde@willistowerswatson.com

Akash Bhoir
akash.bhoir@willistowerswatson.com