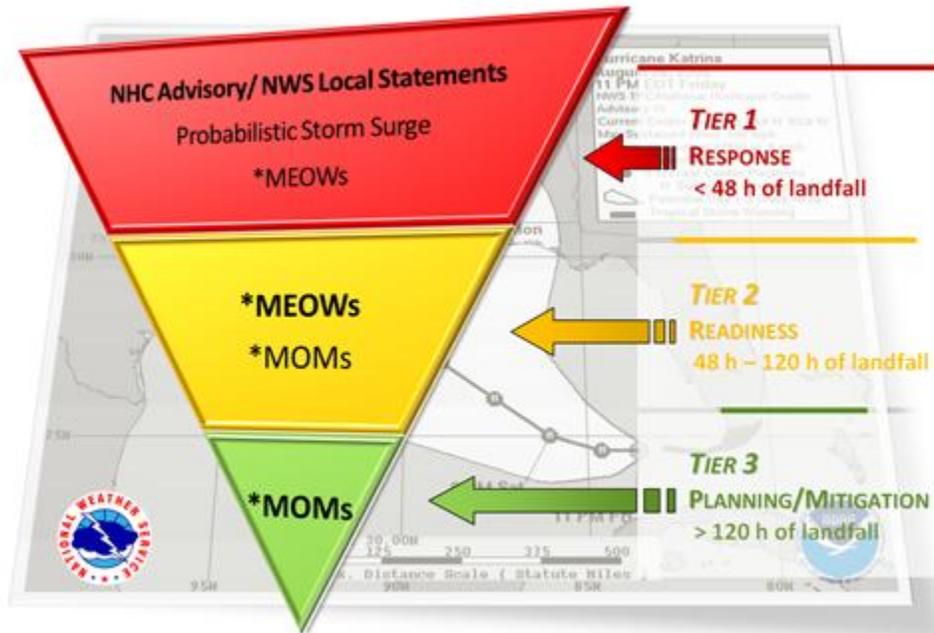


# Storm Surge Forecast Toolbox

[http://www.nhc.noaa.gov/ssurge/ssurge\\_products.shtml](http://www.nhc.noaa.gov/ssurge/ssurge_products.shtml)

Which storm surge product should I use when?



The National Hurricane Center's (NHC) Storm Surge Product Decision Support Wedge offers a three-tiered approach to utilizing available storm surge data for decision support. The 24-hour to 48-hour window is often critical for decision-making. It is important not to focus solely on one storm surge product within this window. Storm specific uncertainties are accounted for in the [probabilistic storm surge \(p-surge\) product](#), while the [\\*MOMs](#) and [\\*MEOWs](#) provide a worst case storm surge estimate at a regional level. The [Hurricane Local Statement \(HLS\)](#), available from the National Weather Service (NWS) Weather Forecast Offices (WFOs) summarizes local impacts from storm surge.

As a general rule for using this decision support wedge:

- Consider all products in each tier
- Always use the [\\*MOMs](#) or [\\*MEOWs](#)
- As tier number decreases, number of recommended products increases

Tier	Timeline	Recommended Decision Support Storm Surge Products	Number of Recommended Products
Tier 1	< 48 h of forecast landfall	<a href="#">NHC Advisory / NWS Local Statements</a> <a href="#">Probabilistic Storm Surge (P-Surge)</a> <a href="#">*MEOWs</a>	3
Tier 2	48 h - 120 h of forecast landfall	<a href="#">*MEOWs</a> <a href="#">*MOMs</a>	2
Tier 3	> 120 h of forecast landfall	<a href="#">*MOMs</a>	1

\* Provided average errors inherent in NHC intensity forecasts and the sensitivity of storm surge forecasts to storm intensity, it is recommended that emergency managers employ MOMs or MEOWs for a hurricane one category higher than what is forecast by NHC at landfall.

**This tool is designed as an aid for emergency managers and trained officials only. It is not intended to be used by the general public for making life or death decisions. Closely follow all instructions from local and state emergency management during a hurricane threat. If you are asked to evacuate, you should do so without delay.**

## Storm Surge References

SLOSH registration- <http://slosh.nws.noaa.gov/sloshPub/disclaim.php>

Storm Surge Forecast Funnel - [http://www.nhc.noaa.gov/ssurge/ssurge\\_products.shtml](http://www.nhc.noaa.gov/ssurge/ssurge_products.shtml)

Storm Surge Overview - [http://www.nhc.noaa.gov/ssurge/ssurge\\_overview.shtml](http://www.nhc.noaa.gov/ssurge/ssurge_overview.shtml)

Storm Surge Risk Maps - [http://www.nhc.noaa.gov/ssurge/ssurge\\_resources.shtml](http://www.nhc.noaa.gov/ssurge/ssurge_resources.shtml)

Storm Surge FAQ - [http://www.nhc.noaa.gov/ssurge/ssurge\\_faq.shtml](http://www.nhc.noaa.gov/ssurge/ssurge_faq.shtml)

### SLOSH MEWO Example

