Flood Warnings

The following are universal flood warning signs that will appear as an alert or sign when a flood is imminent.

Flood Alert:
Flooding is possible. Be prepared.

Flood Warning:
Flooding is expected. Immediate action required. Be prepared to move to higher ground.

Severe Flood Warning:
Severe flooding. Danger to life. If advised to evacuate, do so immediately.

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Always monitor the radio, television stations and the Internet for additional information.

Emergency Services

Rumson Emergency Services

732-842-0500

Borough Hall Informational Services

732-842-3300

Federal Emergency Management Agency

1-800-621-3362

The Boys Scout Motto is "Be Prepared". This easy to implement three step process helps Rumson residents understand their street and evacuation route elevation, monitor local tidal and flood levels online, and set alerts at different thresholds so that they will be aware of an approaching flood and take action immediately.

If you have any questions, or need assistance implementing this process during the duration of this project, please contact Mitchell Lauria of Rumson Troop 201 at EagleFloodAlert@gmail.com.

-Mitchell Lauria

Borough of Rumson Local Elevation and Flood Awareness Guide

By: Mitchell Lauria

As a coastal community susceptible to tidal flooding, Rumson residents are in danger if they do not understand their local elevation, and when tidal flooding threatens their safety. The purpose of this brochure is to provide a guide to help Rumson residents understand how to monitor flood levels, find their street elevation and create email or text alerts when floods threaten their safely.

Working with the Borough of Rumson, Stevens Institute of Technology, FEMA, the USGS, and Google, Inc., this solution was created by Mitchell Lauria as part of his Boy Scout Troop 201 Eagle Project. Assistance will be provided to help any local resident with understanding this process, including help setting up custom flood alerts. By using the following three step process, Rumson residents will be able to:

1. Quickly find the elevation of their street address.
2. Monitor flood levels in their local Rumson neighborhood.
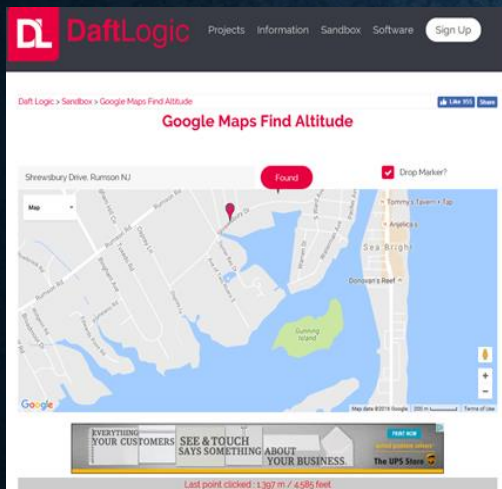3. Set alerts to notify them by text or email when flood levels threaten their safety.

3 Easy Steps To

Step 1: Find Your Street Elevation

- Using Google search: Daftlogic find altitude
- Click on the URL:
- https://www.daftlogic.com/sandbox-google-maps-find-altitude.htm
- Enter your street address in the search bar above the map. Your elevation will show up below the map.
- Next click on your local street, and write down this elevation along with the lowest elevation of any street that you would use as your evacuation route. The elevation of the last clicked location will show up below the map.
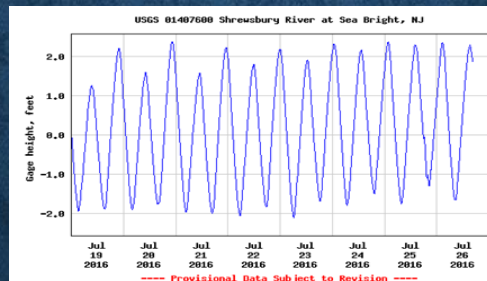- Write down the elevation of your home and street in feet.

Screenshot from the Daftlogic website that shows an interactive map and gives the elevation of a marked point.

Find Your Elevation

Step 2: Monitor Local Flood Levels from the Shrewsbury River Sea Bright Bridge Station

- Using Google search: USGS Shrewsbury River
- Click on the URL: http://waterdata.usgs.gov/nwis/uv/?site_no=0140760
- Next scroll down to the first graph titled: Gage Height, Feet
- This USGS web page provides a live data feed from the Shrewsbury River flood monitoring system and weather station on the Sea Bright Bridge. This station is the closest tidal monitoring station to Rumson. Looking at the graph you can see live tidal levels.

This is a screenshot from the USGS live streaming water level monitor in Sea Bright, NJ

In the example above, look at the maximum height of the water on July 26, 2016. It reached slightly over 2ft. Any location with an elevation under 2ft without a dam around it would be flooded. (This is typically the average height for high tide) If the tide has not peaked and is still rising it can be inferred that water levels will rise until high tide has peaked.

And Set Flood Alerts

Step 3: Set Your Customized Local Flood Level Alerts (email and text)

- On the same web page as in step 2, you can now set your email or text alerts by clicking on the WaterAlert link located underneath the flood map.
- Setting up the parameters for your alerts is easy. Using the lowest elevation of your home, street, or evacuation route simply use 6in lower than that value. Select the greater than (>) threshold condition, to be notified when the tides exceed the elevation input, then select how often and the method, (text or email) you would like to be notified.
- After your alert is set, you will receive a confirming email or text that must be acknowledged, and every so often you will be reminded that your alert is active. The system also has a process for changing, and canceling your alerts.

Stevens Flood Advisory System

Stevens Institute of Technology http://hudson.dl.stevens-tech.edu/sfas/reg/index.shtml provides a live streaming data feed and monitor that not only shows the current tides but also predicts future tides. Residents can monitor tides, and set email alerts when flood conditions are expected. Select the Shrewsbury River monitor and click "Show Time Series Plot"