

***COMBINE ENSEMBLES WITH  
INUNDATION MAPPING TO  
VISUALIZE FLOOD  
FORECAST UNCERTAINTY***

DAVID C. CURTIS, PH.D.

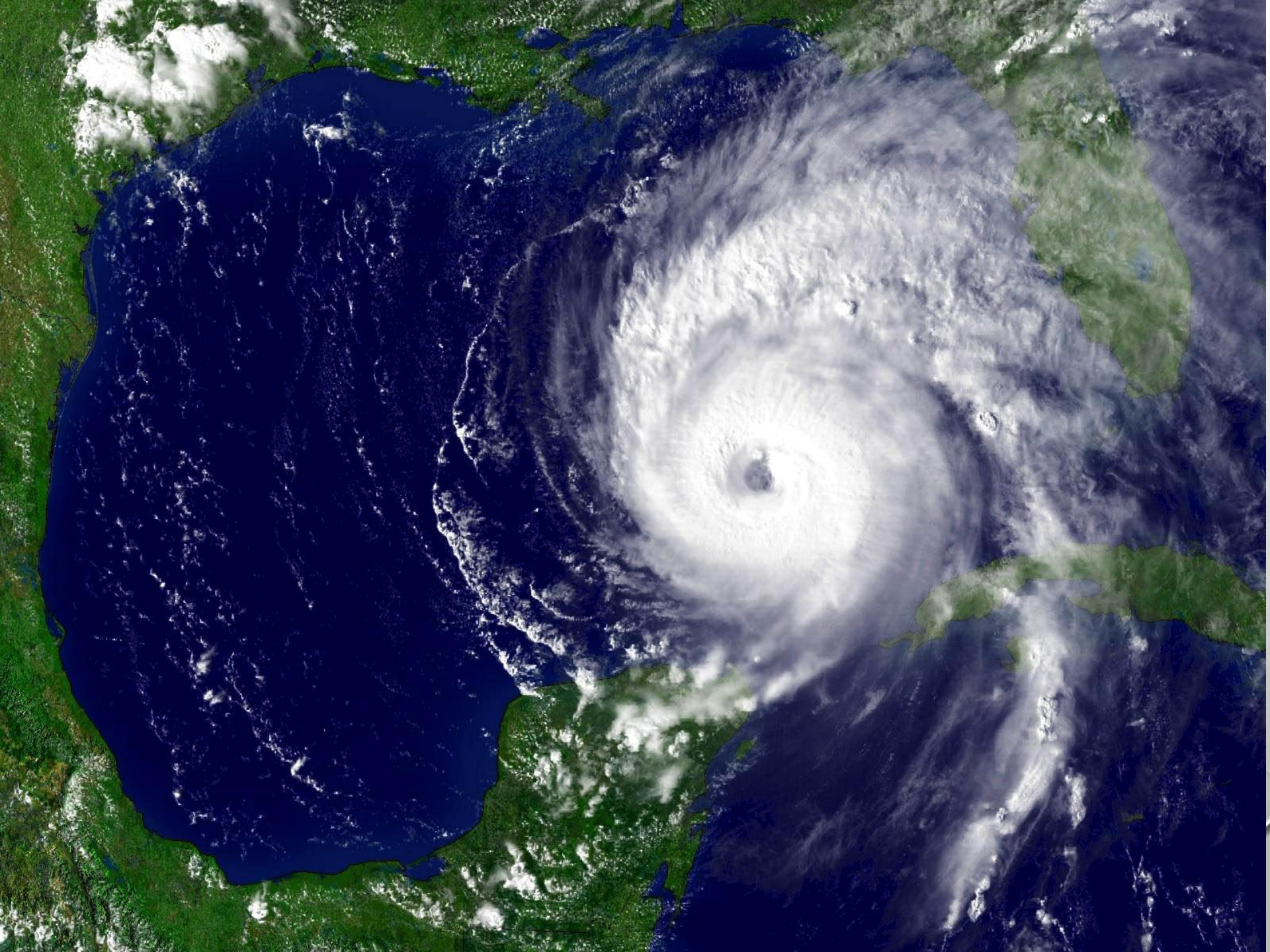
OM PRAKASH, PH.D., P.E.

WEST CONSULTANTS, INC.







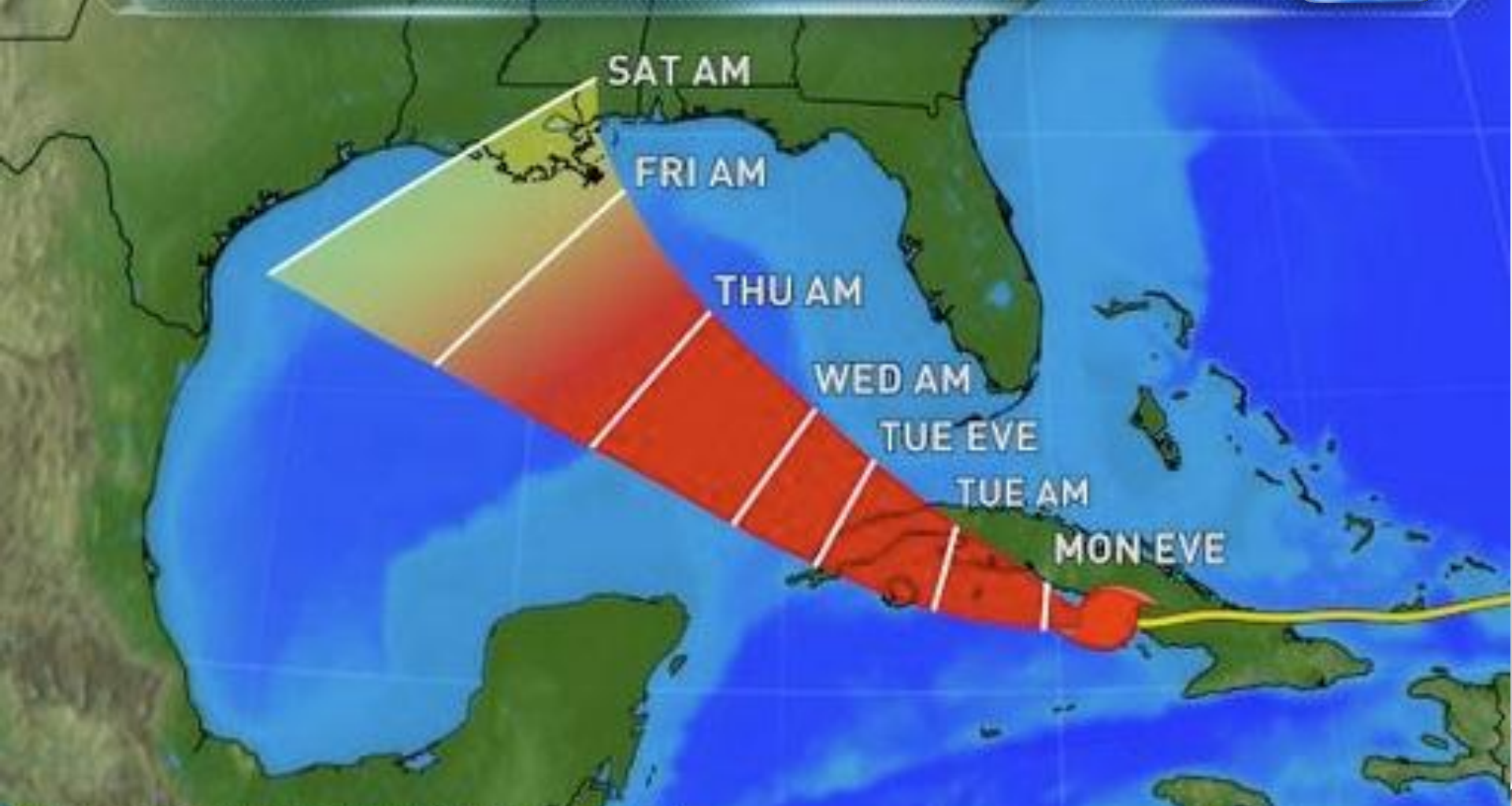




# HURRICANE IKE

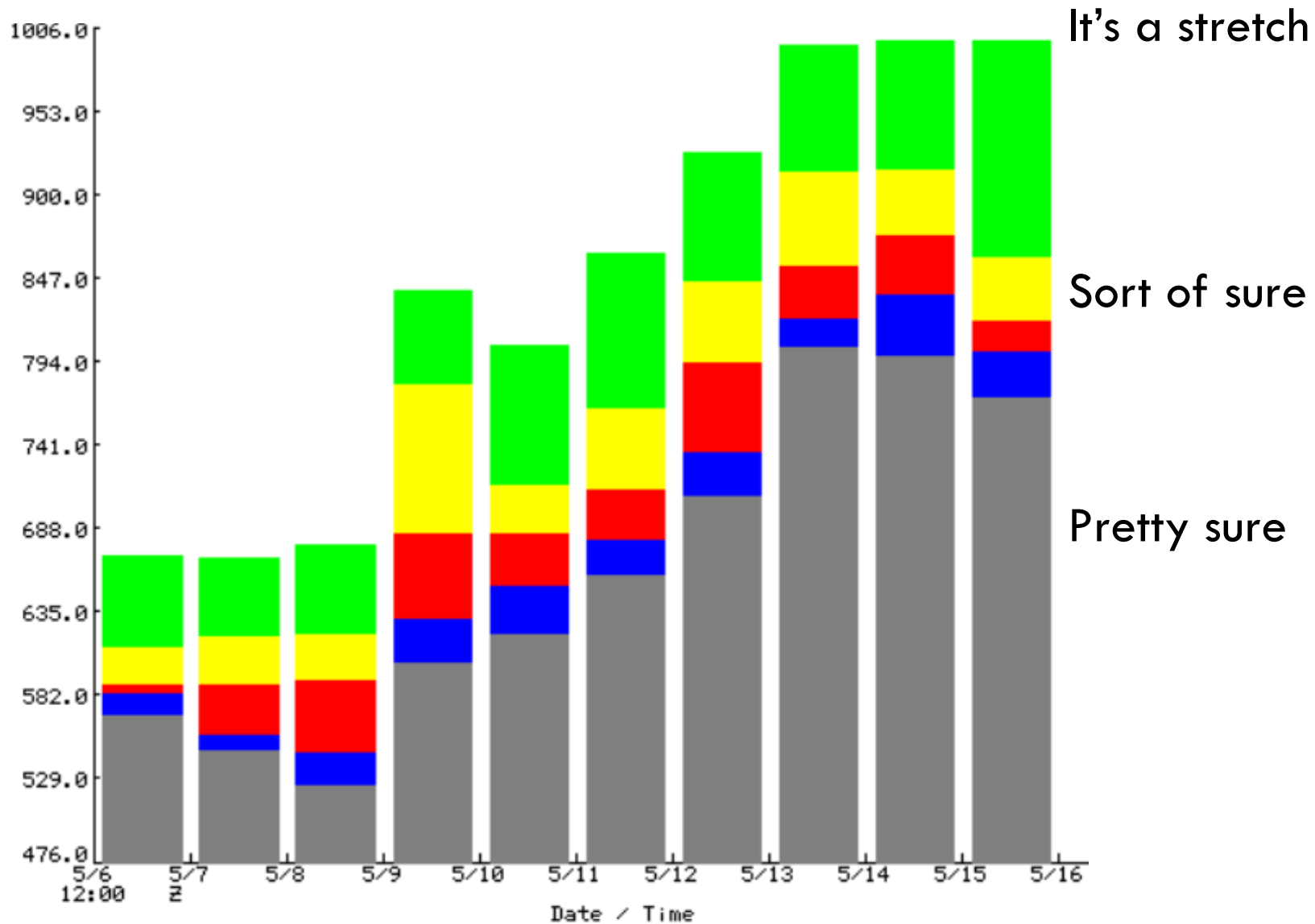
## PROJECTED PATH

The  
Weather  
Channel

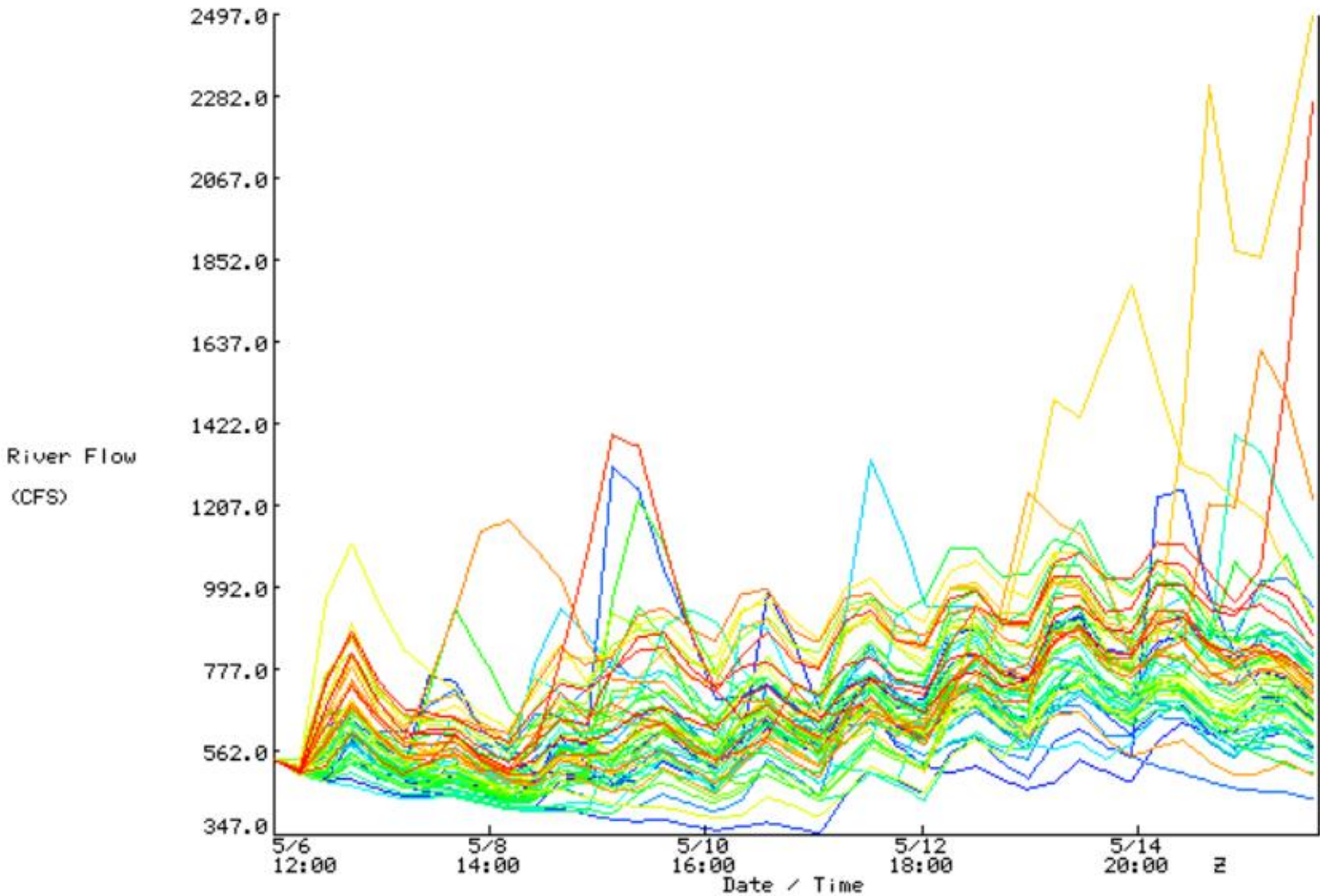


DEVIATIONS IN TRACK AND/ OR INTENSITY FROM CURRENT PROJECTIONS COULD RESULT IN SIGNIFICANT DIFFERENCES FROM THE INFORMATION ON THIS GRAPHIC

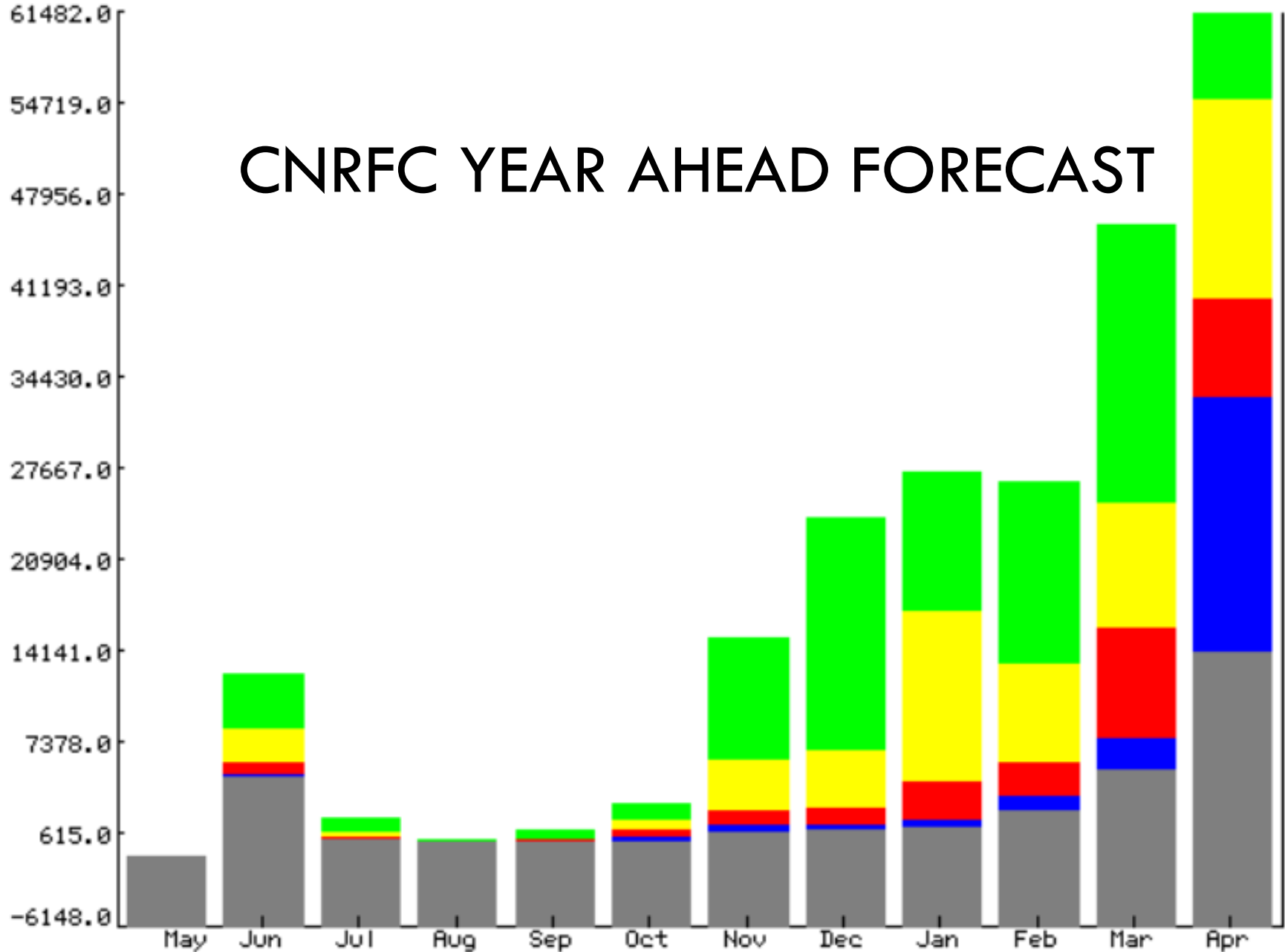
# CNRFC 10-DAY PROBABILITY PLOT



# CNRFC 10-DAY SPAGHETTI CHART



# CNRFC YEAR AHEAD FORECAST

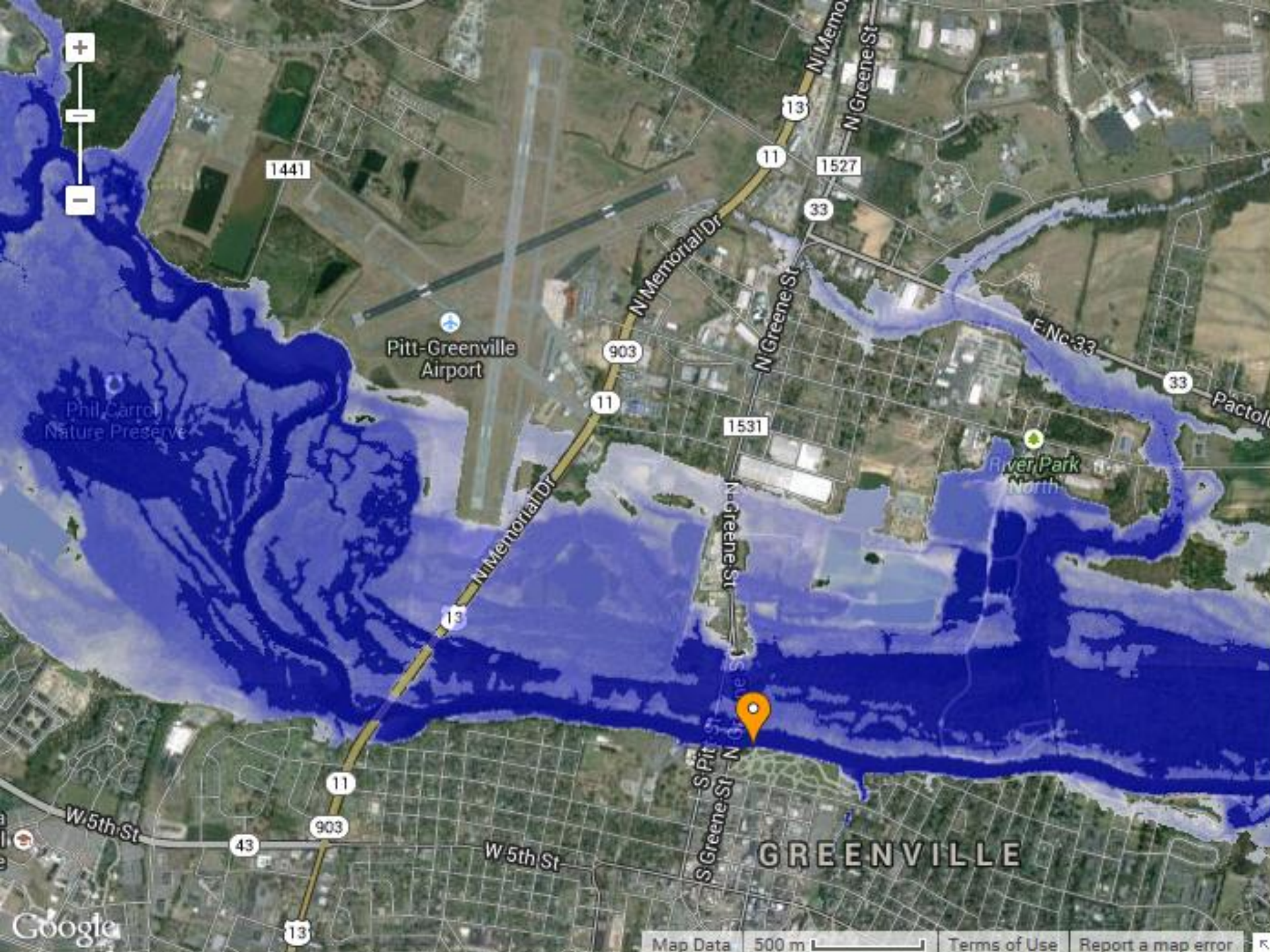




The  
Weather  
Channel

SEVERE  
STORM  
CENTRAL





1441

Pitt-Greenville  
Airport

Phil Carol  
Nature Preserve

River Park  
North

Pactol

GREENVILLE

Google

Map Data

500 m

Terms of Use

Report a map error



# Chehalis River at Centralia, WA

## Current NWS Forecast

53.27 ft

5/6/2014 11:30 AM

(observed value)

## River Stage (ft)

Hover mouse over river stage to show corresponding flood map

61.0

61.6

62.6

63.6

64.6

### Minor Flood Stage

65.6

66.6

67.6

### Moderate Flood Stage

68.6

69.6

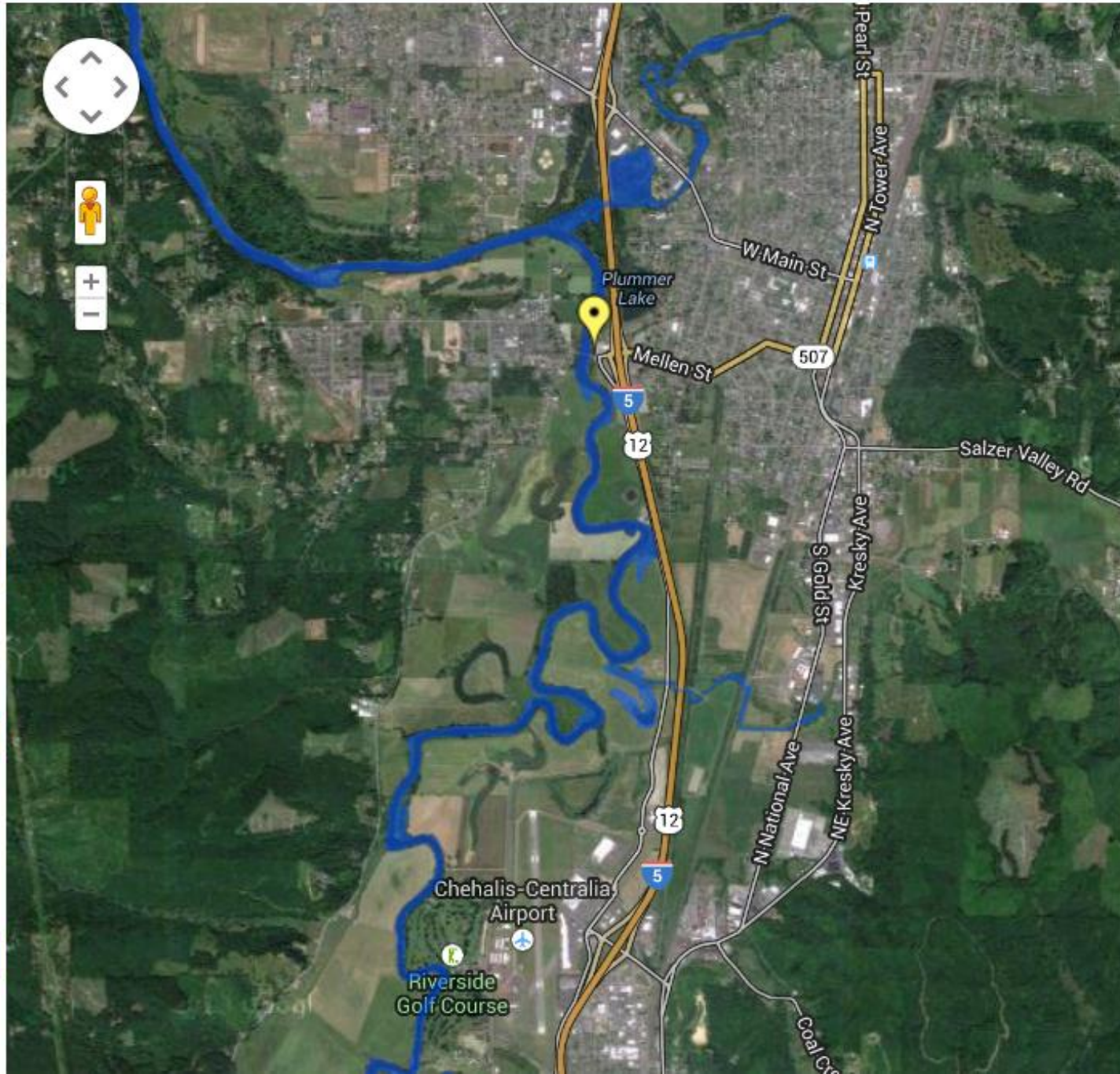
70.6

71.6

### Major Flood Stage

72.6

73.6





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67.6

### Moderate Flood Stage

68.6

69.6

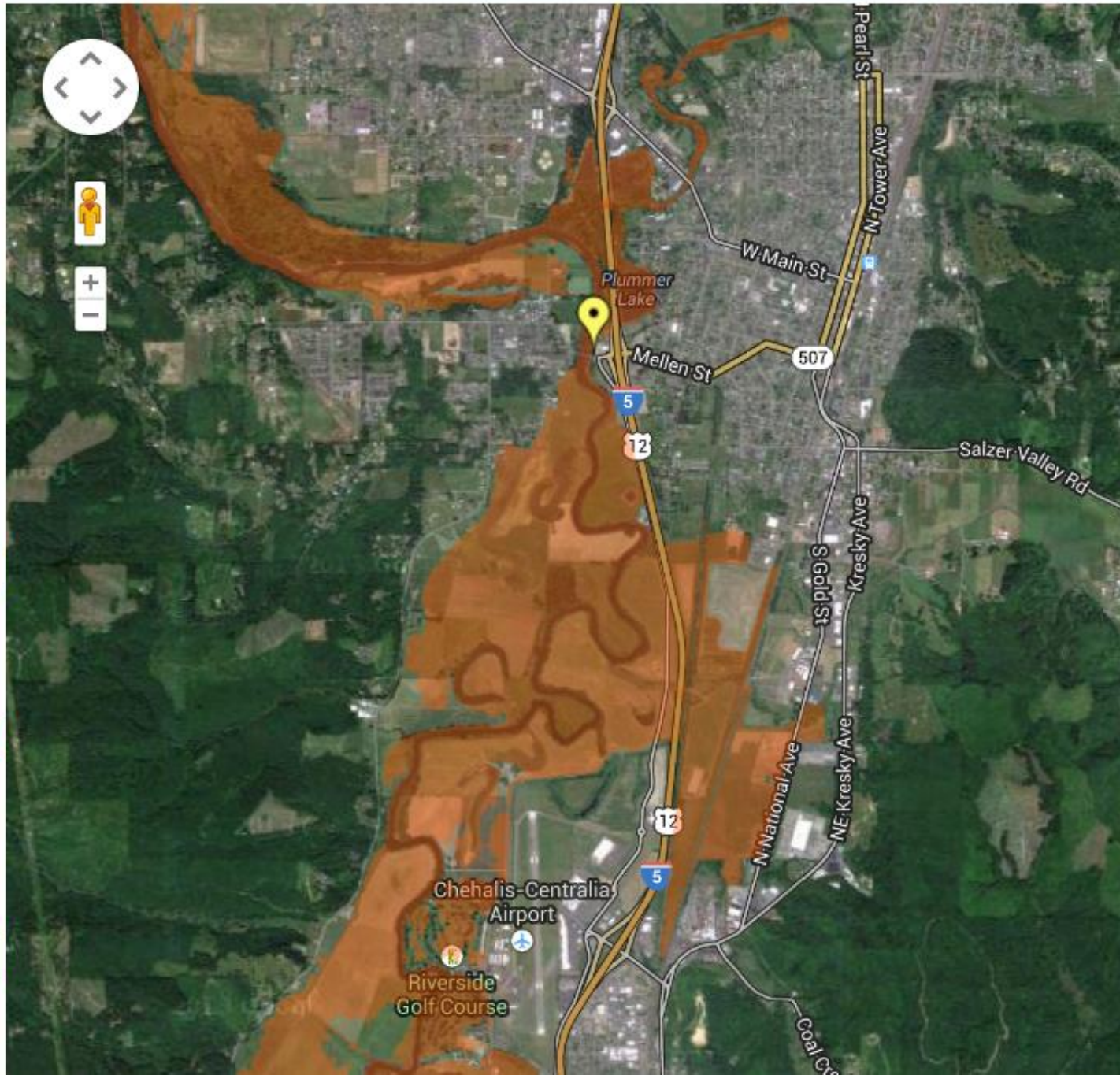
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71.6

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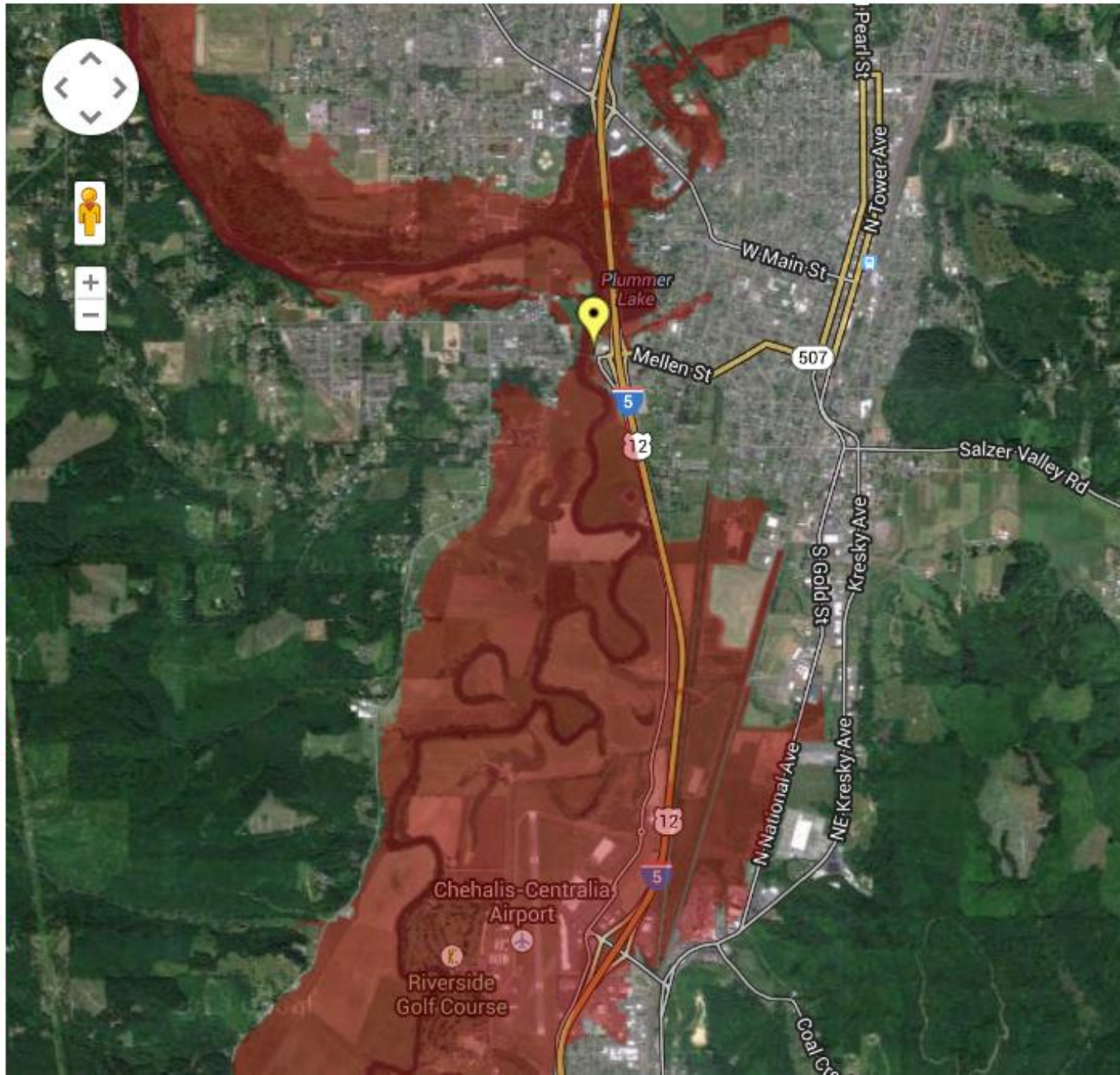
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73.6





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62.6  
63.6  
64.6

## Minor Flood Stage

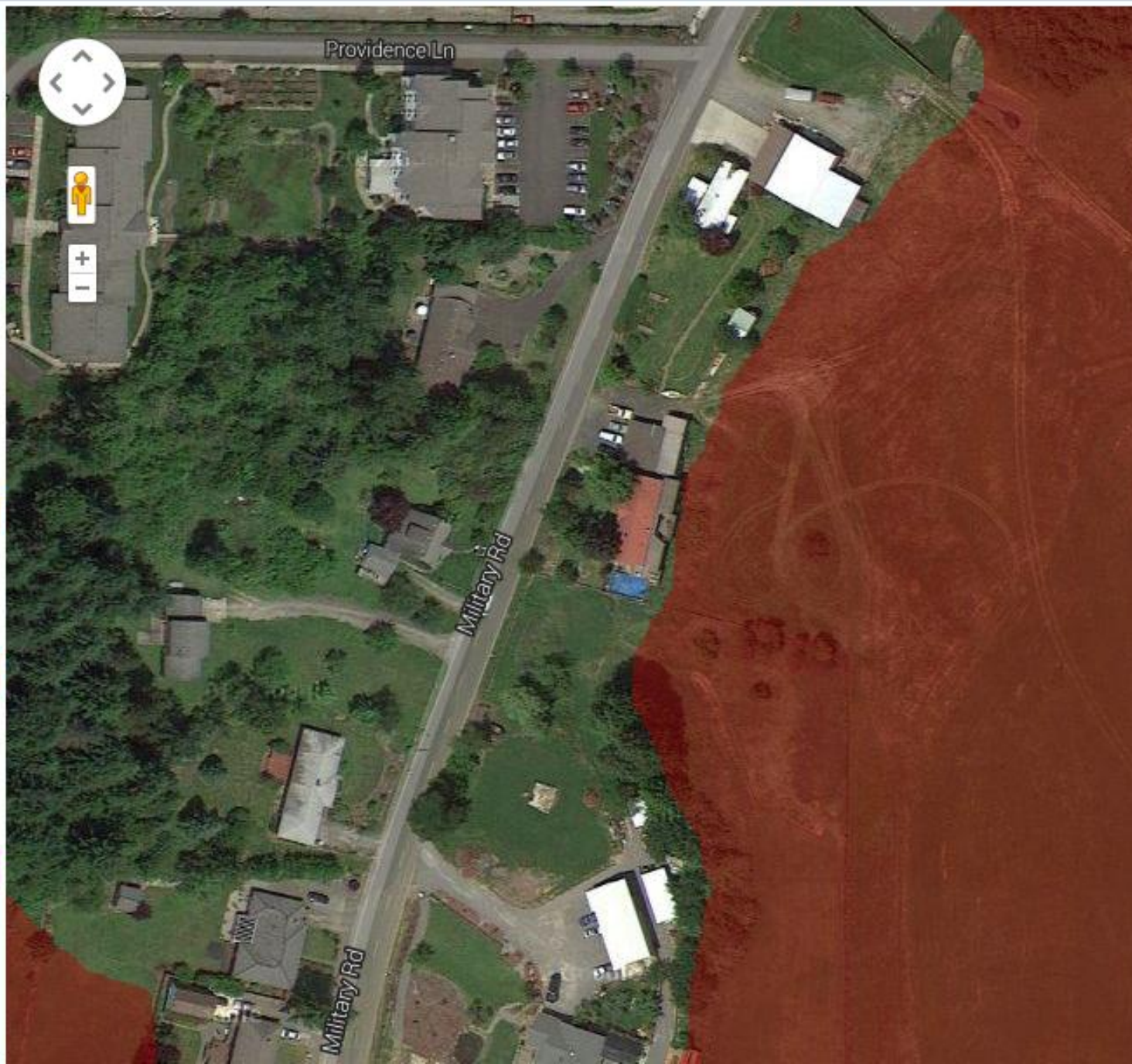
65.6  
66.6  
67.6

## Moderate Flood Stage

68.6  
69.6  
70.6  
71.6

## Major Flood Stage

72.6  
73.6  
74.6  
76.1







Airport Lake

S Schreiber Rd

Map edge implies more confidence than warranted.



NE Kresky Ave

NW River St

NW Airport Rd

NW Vine St

NW Folsom St

NW West St

N National Ave

NE Hillside Dr

N Market Blvd

NW Prindle St

12th St

13th St

NW North St

W Main St

SW Alfred St

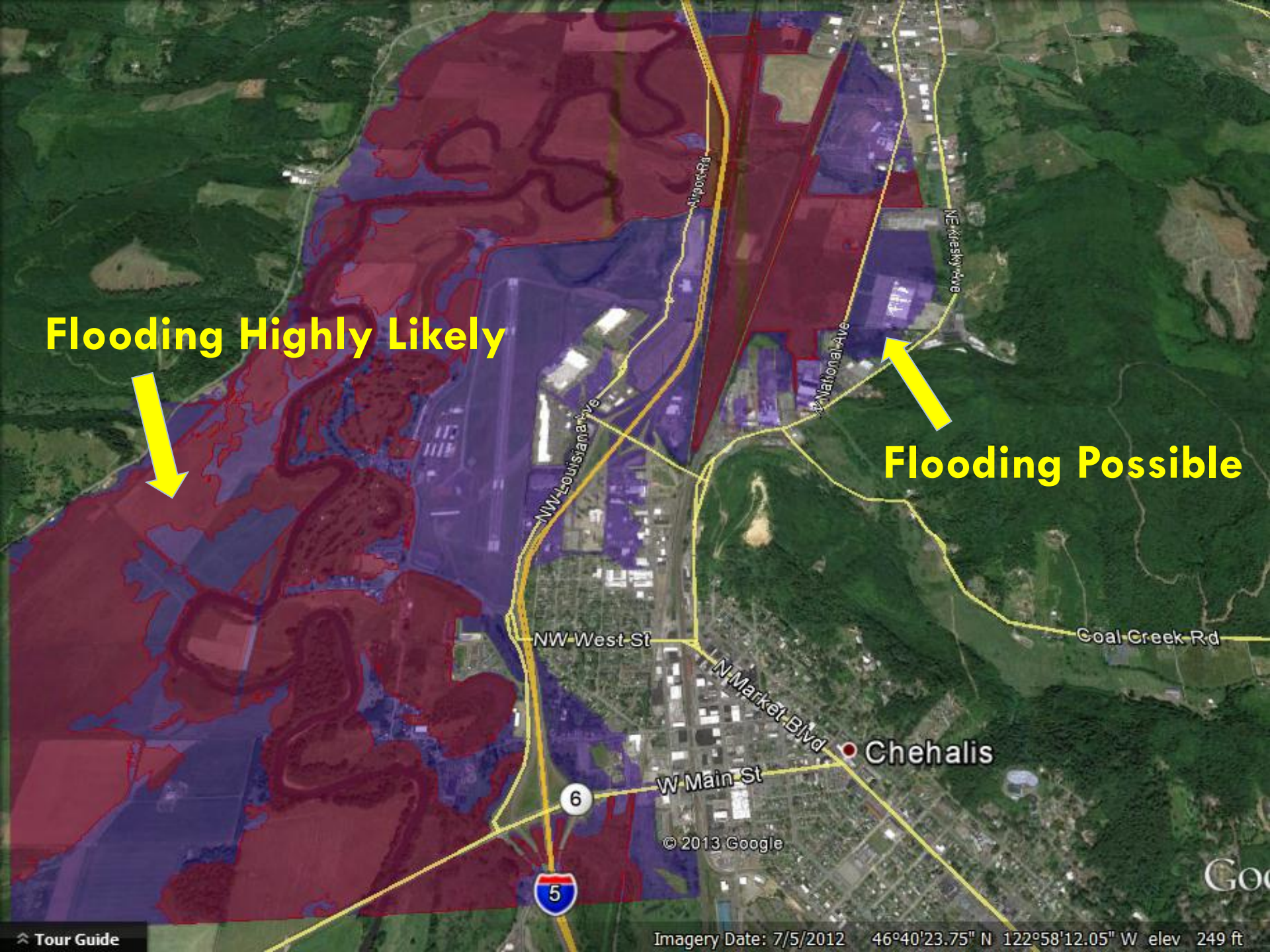
Chehalis



**Flooding Highly Likely**



**Flooding Possible**







CLLOUDY



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# QUESTIONS?

