

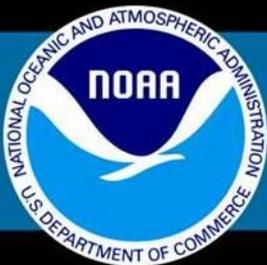
Strong Pacific Storm Systems to Impact Western Washington

Ted Buehner

*National Weather Service Forecast Office
Seattle, Washington*

*Please Mute Your Phones (*6 on hand helds)*

Do not use after 6 PM PDT, Friday, October 14, 2016



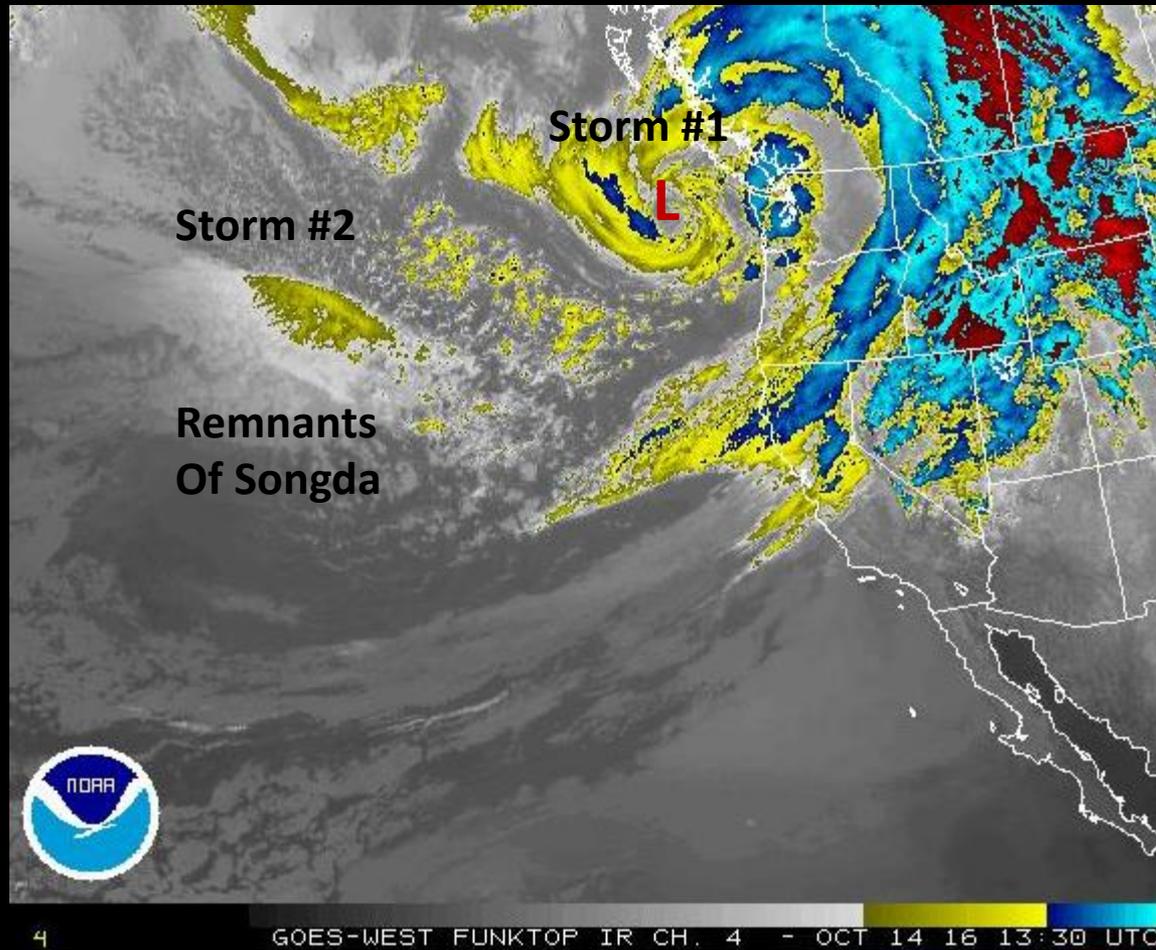
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Overview

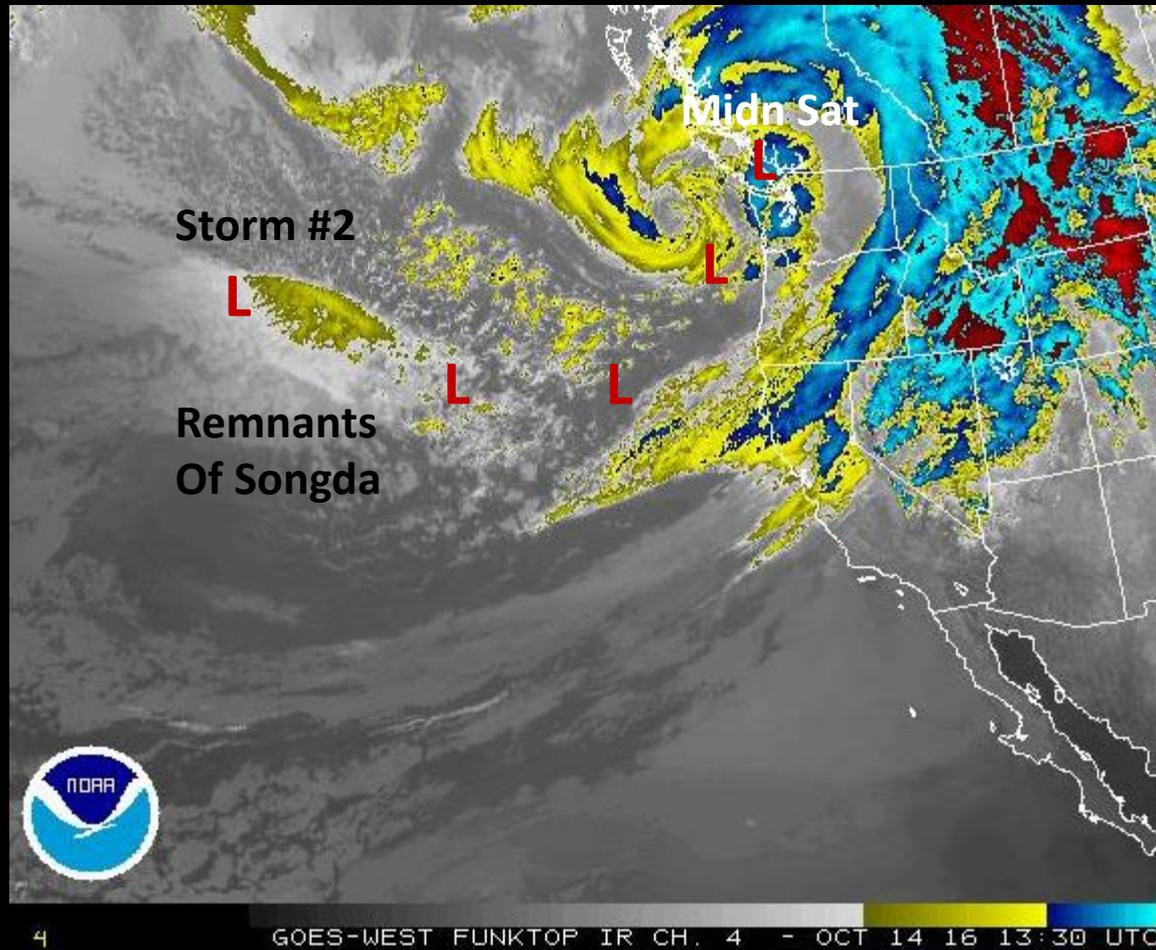
Two strong Pacific storm systems to impact western Washington through Sunday.

- ***Storm #1 (Today)***
 - *Deep surface low tracking into Central Vancouver Island today*
 - *Blustery winds to continue today – **strongest coast and north interior***
 - *Winds easing later this afternoon and tonight*
 - *Showers and sun breaks*
 - *Snow levels → 5500 -6000 feet today*
- ***Storm #2/Songda (Saturday/Sunday) – very significant system – increased confidence***
 - *A very strong surface low → stronger winds and another round of precipitation*
 - *Seas up to 20 feet to the coastal waters of Washington and the potential for significant coastal beach erosion and surf run-up*

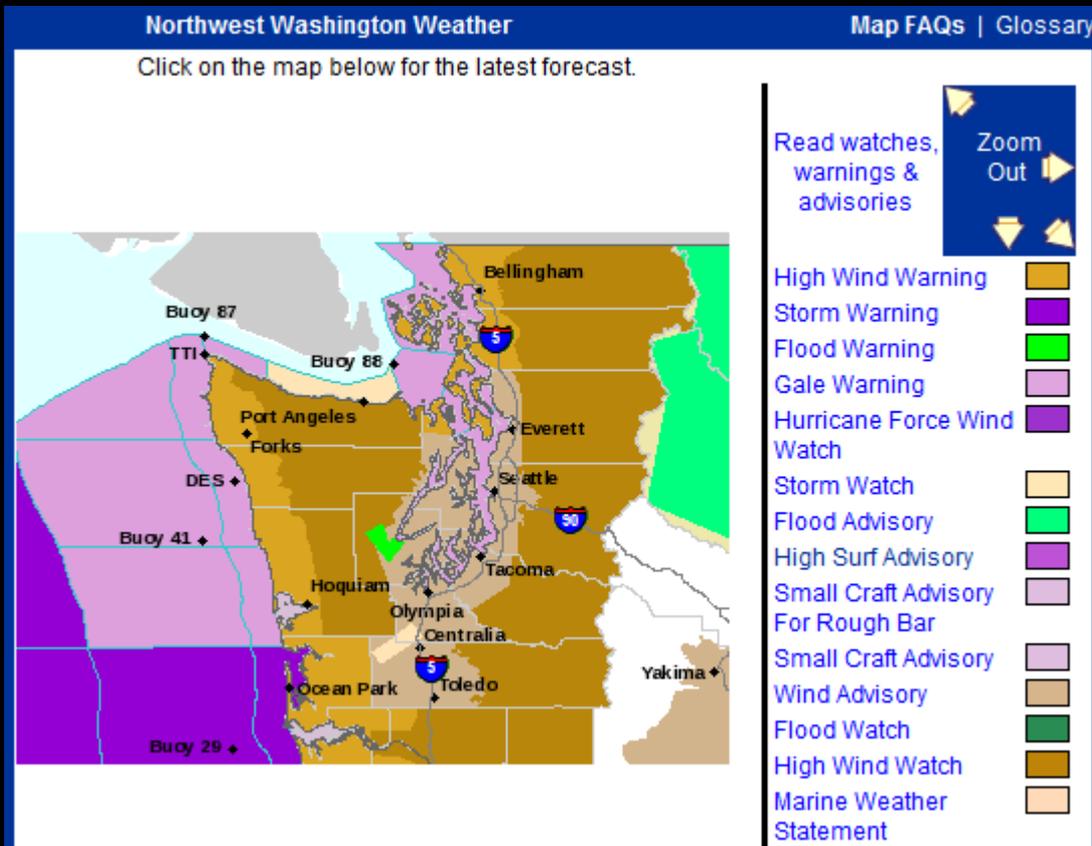
Satellite Image – 7 AM



Likely Track of Storm



Current Watch/Warning/Advisory



• Today

- High Wind Wrng
- Wind Advisory
- Marine Warnings
- Flood Warning
- High Surf Advy

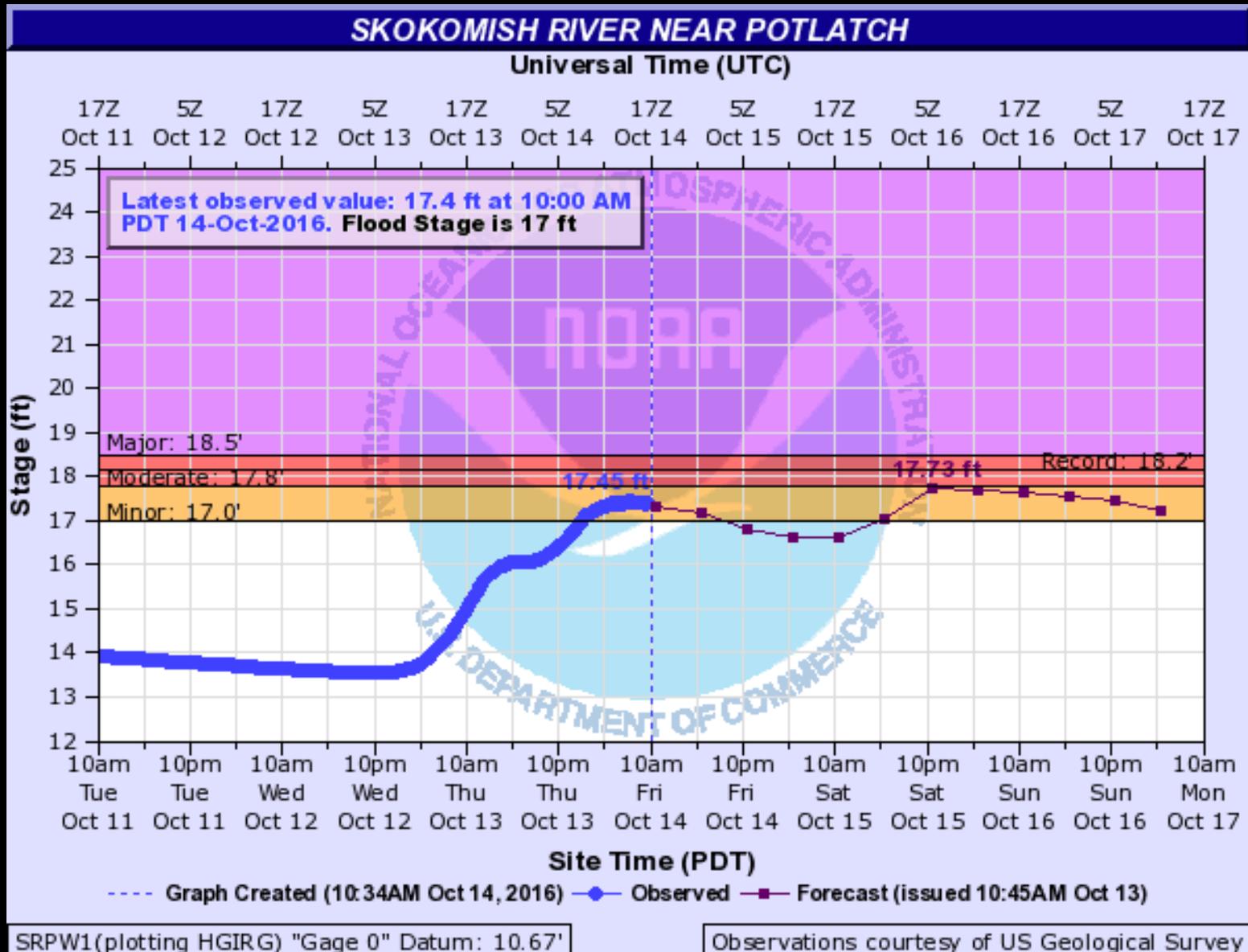
• Saturday/Night

- High Wind Watch
- Marine Watches

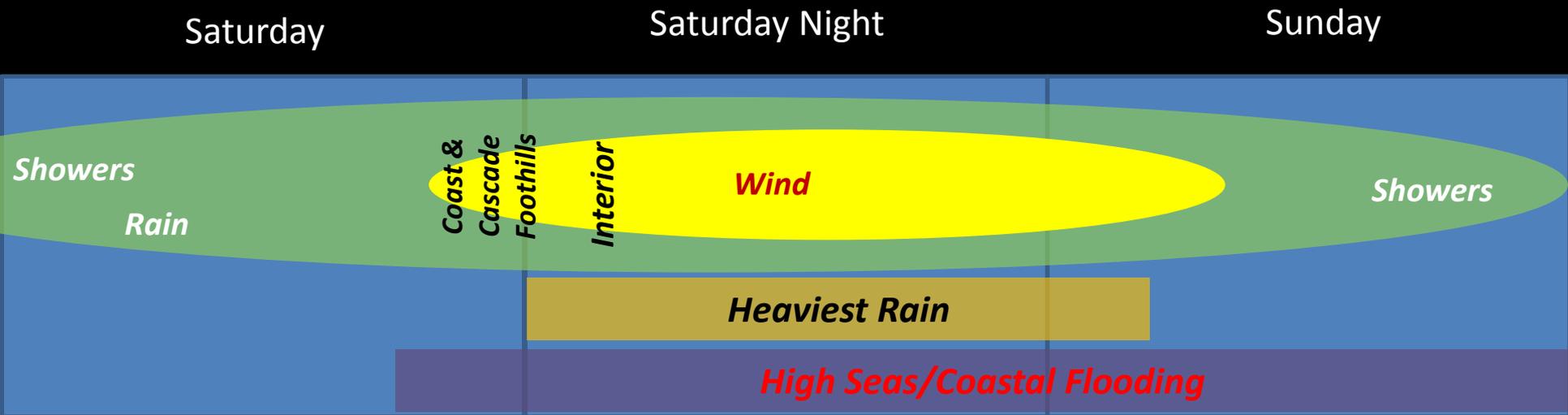
Storm #1 Results

- **Winds overnight**
 - Coast and North Interior – Gusts 50 to 60 mph
 - Rest of Interior – Gusts in the 30s to 50 mph
 - Knocked down a lot of leaves, some tree limbs, limited power outages
- **More Blustery Wind Today – Not Over Yet**
 - Coast/North Interior – S/SW 25-40 mph gusts to 60 mph
 - Elsewhere - 20-35 mph gusts to 40-50 mph
 - Ease beginning later this afternoon and tonight
- **Rivers rose – Above flood stage - Skokomish River - Mason County**
 - Showers, some heavy downpours*
 - Urban and Small Stream Advisory*
- **Coastal Surf - Seas up to 25 ft today subsiding to 15 ft tonight**

Storm #1 Hydrology



Storm #2/Songda Timeline



Storm #2/Songda Impacts

Wind

- *Exact track of the low is the key for wind speeds*
- *Track closer to western Washington = stronger winds and impacts*
- *Potential to be one of our top 10 strongest wind storms (Hanukkah Eve Storm)*
- *Strongest winds Saturday night*
- *Pick up sharply as the low passes to the north*
- *Coast – 35-50 mph gusts to 70 mph – could be stronger*
- *North Interior (Everett northward) – 40-50 mph gusts to 65 mph – could be stronger*
- *Rest of interior – 35-45 mph gusts to 60 mph – could be stronger*
- *Winds taper off Sunday*

Impacts

- *Downed trees*
- *Downed power lines*
- *Power outages*
- *Disrupt transportation – trees/lines on roadways, ferries, floating bridges*

Storm #2/Songda Impacts

Coastal Surf

- *Peaks Saturday Night*
- **15 to 20 ft**
 - *Lower than before*
 - *More southerly direction (vs west)*
- **Still quite hazardous**
 - *Beach Run-up*
 - *Jetties/Logs*
 - *Beach erosion*
 - *Beware Clam Diggers!*

Inland Minor Tidal Overflow?

- *Depends on low air pressure*
- *Surf action*

High Tides

- **Aberdeen (13.5 ft – tidal overflow)**
 - *113 PM Sat (11.8 ft)*
 - *146 AM Sun (10.6 ft)*
- **Cherry Pt**
 - *512 PM Sat (8.9 ft)*
 - *614 AM Sun (8.7 ft)*
- **Seattle (13.5 ft –tidal overflow)**
 - *445 PM Sat (11.9 ft)*
 - *536 AM Sun (11.4 ft)*

Storm #2/Songda Impacts

More Rain

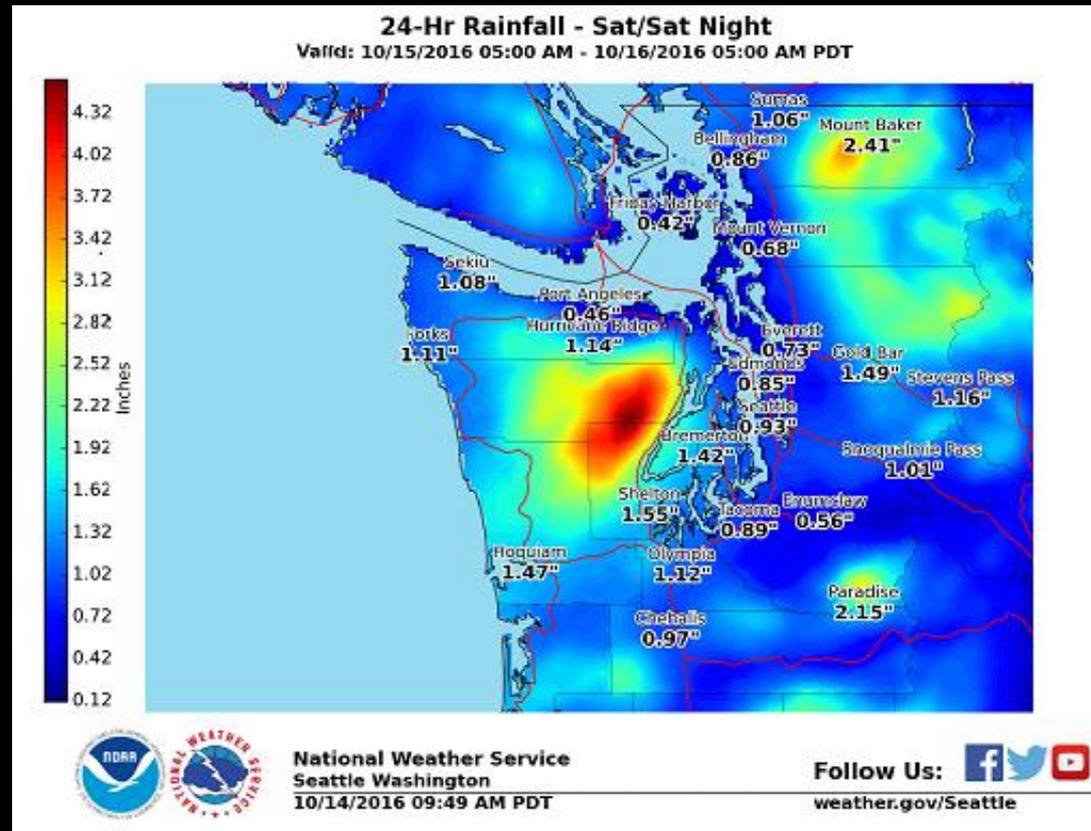
- Amounts Sat/Sat Night
- Less Rain than Storm #1
- Less than previous forecast
- Highest Amounts – Olympics

Flood Threat

- Primarily Skokomish R
- Nooksack R may be close

Landslide Threat?

- Increasing



Key Messaging

- **Community Preparedness – Good Response and Readiness**
- **Downed Trees/Power Lines**
 - Most fatalities occur outdoors (**4 fatalities Hanukkah Eve**)
 - Avoid being outside (driving, walking, etc)
 - Avoid downed power lines (e.g. – hidden under branches)
- **Power Outages**
 - CO Poisoning (**11 fatalities, hundreds hospitalized Hanukkah Eve Storm**)
 - Keep BBQs outside
 - Properly ventilate backup generators
- **Check on Neighbors**
 - Seniors, Vulnerable Populations
- **Clear Leaves from Storm Drains**

What's Next

- **Sunday**
 - Winds tapering off, seas subsiding
 - Showers and sun breaks
 - **Temps** – Highs 60-65, Lows 45-50
- **Early Next Week**
 - More showers and sun breaks
 - **Temps** – Highs around 60, Lows near 50
 - **Strongest winds?** Likely 10-20 mph

Summary

Headline – *Perhaps one of the strongest wind storms in quite some time Saturday Night*

Storm #1

- **Wind not over yet, easing later this afternoon and tonight**
- **High Wind Warning Coast and North Interior today**
- **Wind Advisory Rest of Interior today**
- **High Surf Advisory Coast today**
- **Flood Warning – Skokomish River**
- *Showers, some heavy downpours, also Sun Breaks today*

Storm #2

- **High Wind Watch** for western Washington later Saturday/Saturday night
- **High coastal seas** likely 15-20 feet – beach run-up and erosion (beware clam diggers!)
- **Potential inland minor tidal overflow** during high tides
- **Landslide threat increasing**
- **Sunday – Winds easing, seas subsiding**