

Thurston County ARES/RACES 9521 Tilley Rd S. Olympia, WA 98512 wa7oly@gmail.com wa7oly.org

5th Saturday exercise for July 29, 2023

Scenario:

A major heat wave is occurring in Washington State. Temperatures are peaking between 107 and 112 degrees in the lowlands and in the 90's in the mountains, Camp Muir on Mt Rainier at 10,000 ft has recorded 86 degrees. This extreme temperature condition has accelerated the snow-pack melt-off and glacial runoff into several major Western Washington rivers, the Carbon, Puyallup, Nisqually and Deschutes among the most notable. Water levels are dangerously high and local flooding is a possibility.

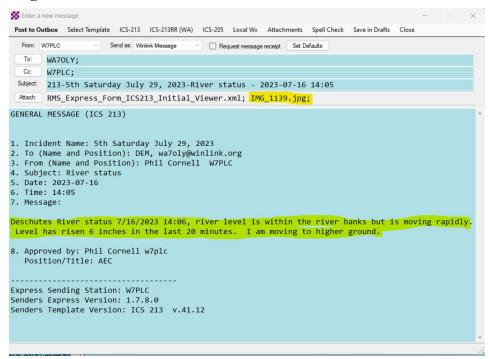
Objective:

Monitor and report river levels at several key locations, photograph the river at specific intervals and report any flooding that occurs.

- Deploy to several different river access locations and photograph the river at 15 minute intervals. Safety is most important, park in a safe place off the pavement and walk to a safe location to take the photos. Locations listed below are just suggestions, find a good spot with river view access for your reports. The two rivers listed below are most likely to be affected by this scenario but choose any river in your area.
- Report observations and photographs (a minimum of 4 photos) to TCDEM via mobile Winlink, use wa7oly@winlink.org to send your reports. Use VARA or packet, either HF or VHF, ALL REPORTS MUST BE SENT VIA RADIO. If you don't have mobile Winlink, take the photos, record the data then return home and send the reports via your home station.
- Use an ICS-213 to send your data and attach the photos to the data message. Resize the photos to comply with Winlink restrictions, no larger than 50kB per message.
- Record hours and miles for your deployment on your monthly hours spreadsheet and post it at the end of the month to the groups.io folder.

• Traffic control is on the OARS repeaters.

Sample Message:



Suggested Locations:

- Deschutes River
 - Tumwater Historical Park
 - Tumwater Falls Park
 - Pioneer Park
 - 79th Ave SE
 - Rich Rd at Deschutes River Ranch
 - 5699 Waldrick Rd SE
- Nisqually River
 - Nisqually Reach Nature Center
 - Nisqually River Public Access (off main highway before the bridge)
 - Nisqually River Powerhouse Park Access Point (just before entering Yelm)
 - Nisqually River Bridge between Yelm and McKenna on Hwy 507

Sample photos:



Figure 1: Nisqually Reach Nature Center



Streams in Thurston County Washington

$\underline{https://www.topozone.com/washington/thurston-wa/stream/}$

Place	Location
Allen Creek	Maytown
Baumgard Creek	Vail
Beatty Creek	Littlerock
Beaver Creek	Littlerock
Bloody Run	Vail
Coffee Creek	Centralia
<u>Darlin Creek</u>	Littlerock
Dempsey Creek	Maytown
<u>Deschutes River</u>	Tumwater
Dry Creek	Rochester
Eaton Creek	Tenalquot Prairie
Edna Creek	Bald Hill
Elbow Lake Creek	Bald Hill
Ellis Creek	Tumwater
Fall Creek	Vail
Fall Creek	Lake Lawrence
Fall Creek	Littlerock
Greenfield Creek	Longbranch
Griggs Creek	Summit Lake
<u>Hospital Creek</u>	Lake Lawrence
Hull Creek	Lake Lawrence
<u>Indian Creek</u>	Tumwater
Johnson Creek	Bucoda
Johnson Creek	Bald Hill
<u>Lackamas Creek</u>	Bald Hill
<u>Laramie Creek</u>	Lake Lawrence
Leschi Slough	Nisqually
<u>Little Deschutes River</u>	Bald Hill
Little Nisqually River	Eatonville
<u>Lost Valley Creek</u>	Capitol Peak
McAllister Creek	Nisqually
McLane Creek	Tumwater
Medicine Creek	Nisqually
Mill Creek	Littlerock

Mima Creek Rochester Mitchell Creek Bald Hill Monroe Creek Capitol Peak Moxlie Creek Tumwater Nisqually River Nisqually North Hanaford Creek Violet Prairie Noski Creek Littlerock Percival Creek Tumwater Perry Creek Summit Lake Pheeny Creek Lake Lawrence Pipeline Creek Lake Lawrence

Powell CreekBald HillPrairie CreekRochester

Run Creek Lawrence

Salmon Creek Littlerock

Salmon Creek Bucoda Rochester Scatter Creek Schneider Creek Tumwater Schneider Creek Summit Lake Sherman Creek Capitol Peak Simmons Creek Tumwater East Olympia Spurgeon Creek **Stony Creek** Littlerock Summit Lake **Swift Creek**

Tenalquot Prairie

Thompson CreekBucodaThurston CreekBald HillTobolton CreekBald HillTroller RunVailTurvey CreekVail

Thompson Creek

Waddell Creek
Woodard Creek
Woodland Creek
Lacey
Lacey

Yelm Creek Tenalquot Prairie

For this exercise you may use any of these creeks and rivers, just pick one that is convenient for you and make a good report. This would also be a good opportunity to improve your skills with Avenza mapping, using a GPS unit, and an old fashioned compass and paper map.