Streamflow Conditions in Washington State as of April 8-9, 2020

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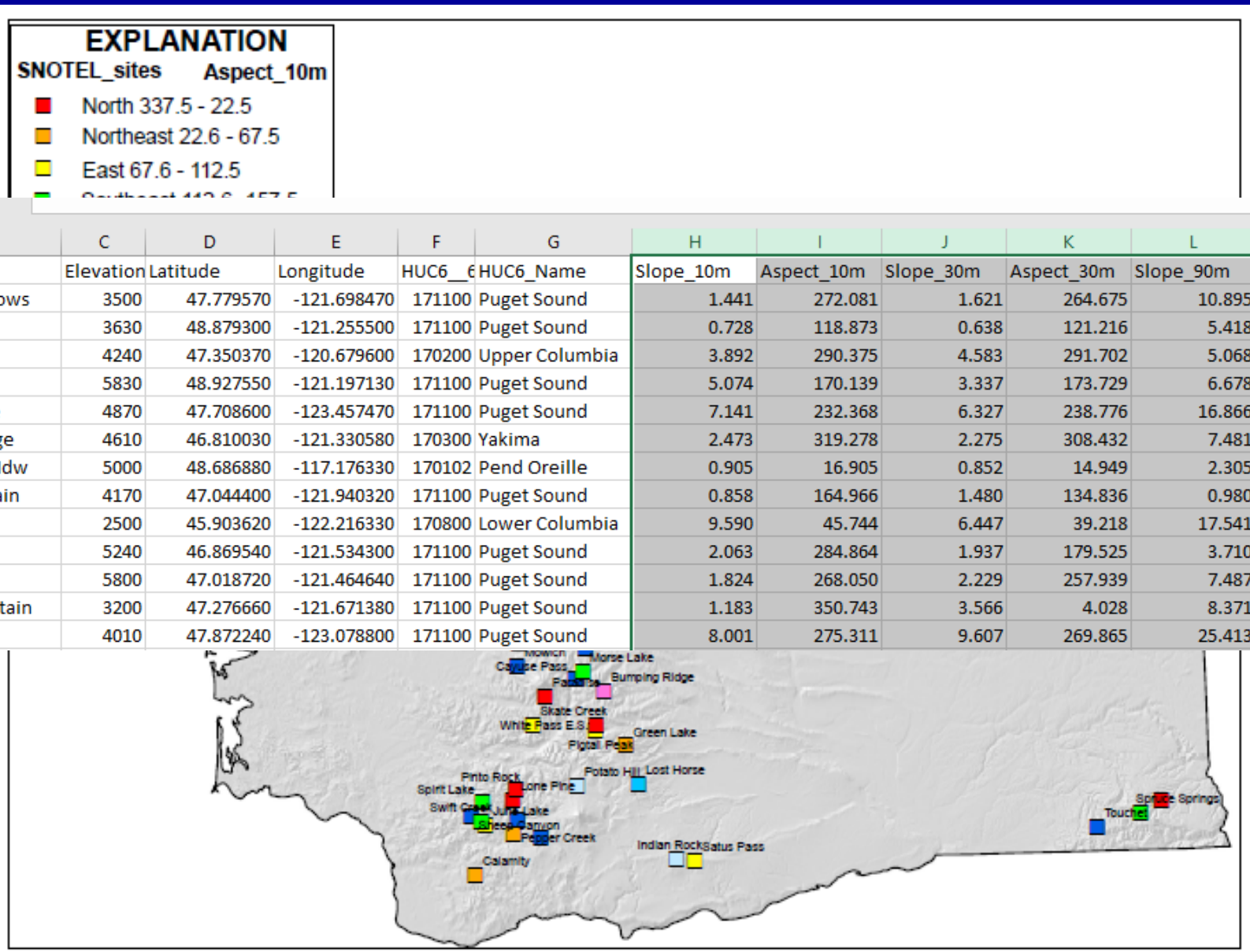
Aspect of slope at SNOTEL Sites

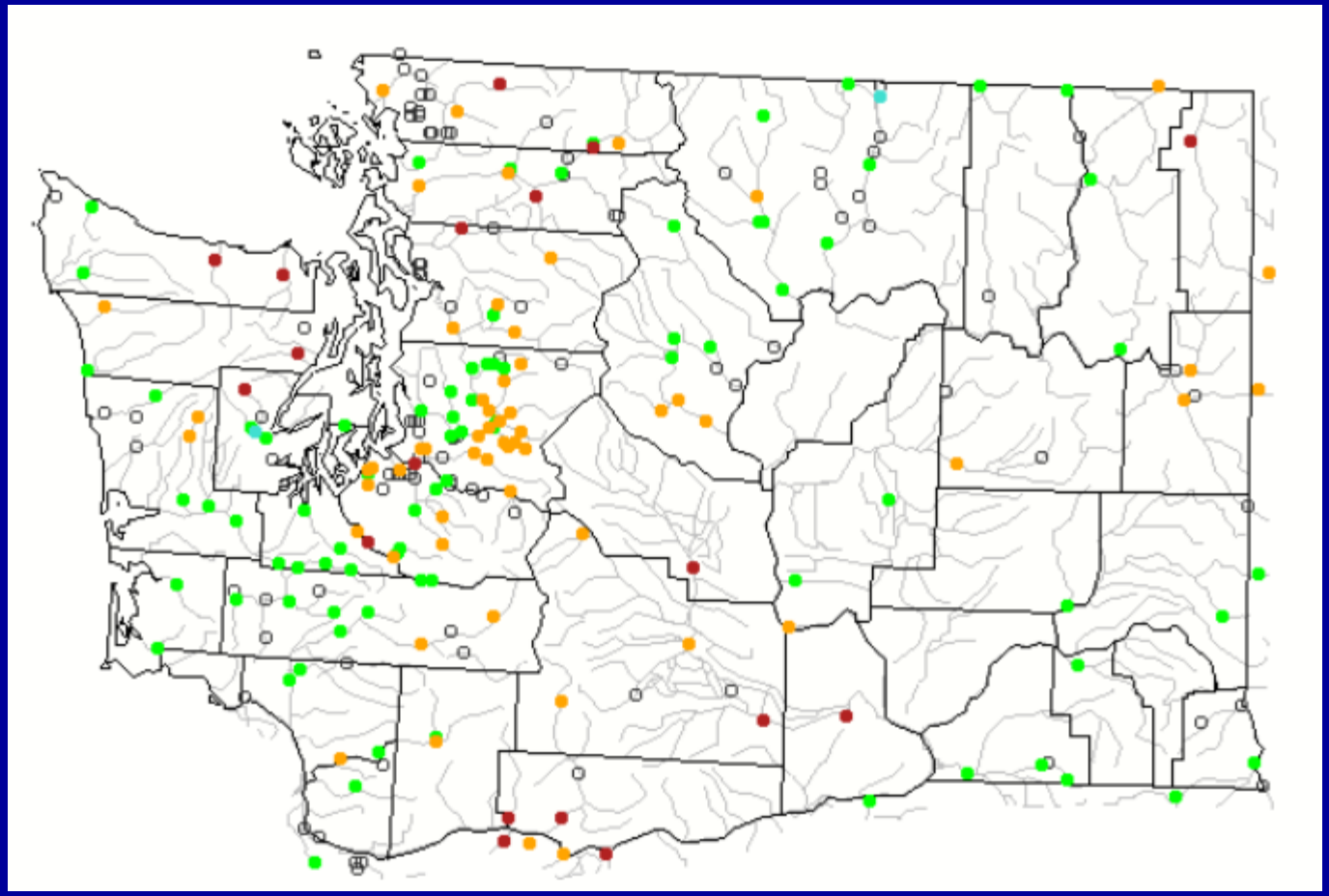
Jeff Marti's Project



	B	C	D	E	F	G	H	I	J	K	L	M
	Station_Na	Elevation	Latitude	Longitude	HUC6__6	HUC6_Name	Slope_10m	Aspect_10m	Slope_30m	Aspect_30m	Slope_90m	Aspect_90m
0	Alpine Meadows	3500	47.779570	-121.698470	171100	Puget Sound	1.441	272.081	1.621	264.675	10.895	234.988
0	Beaver Pass	3630	48.879300	-121.255500	171100	Puget Sound	0.728	118.873	0.638	121.216	5.418	77.360
0	Blewett Pass	4240	47.350370	-120.679600	170200	Upper Columbia	3.892	290.375	4.583	291.702	5.068	295.061
0	Brown Top	5830	48.927550	-121.197130	171100	Puget Sound	5.074	170.139	3.337	173.729	6.678	353.917
0	Buckinghorse	4870	47.708600	-123.457470	171100	Puget Sound	7.141	232.368	6.327	238.776	16.866	249.240
0	Bumping Ridge	4610	46.810030	-121.330580	170300	Yakima	2.473	319.278	2.275	308.432	7.481	323.623
0	Bunchgrass Mdw	5000	48.686880	-117.176330	170102	Pend Oreille	0.905	16.905	0.852	14.949	2.305	15.304
0	Burnt Mountain	4170	47.044400	-121.940320	171100	Puget Sound	0.858	164.966	1.480	134.836	0.980	94.087
0	Calamity	2500	45.903620	-122.216330	170800	Lower Columbia	9.590	45.744	6.447	39.218	17.541	38.341
0	Cayuse Pass	5240	46.869540	-121.534300	171100	Puget Sound	2.063	284.864	1.937	179.525	3.710	197.826
0	Corral Pass	5800	47.018720	-121.464640	171100	Puget Sound	1.824	268.050	2.229	257.939	7.487	245.487
0	Cougar Mountain	3200	47.276660	-121.671380	171100	Puget Sound	1.183	350.743	3.566	4.028	8.371	17.469
0	Dungeness	4010	47.872240	-123.078800	171100	Puget Sound	8.001	275.311	9.607	269.865	25.413	263.763

7-day Average Streamflow

(for day of the year)



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

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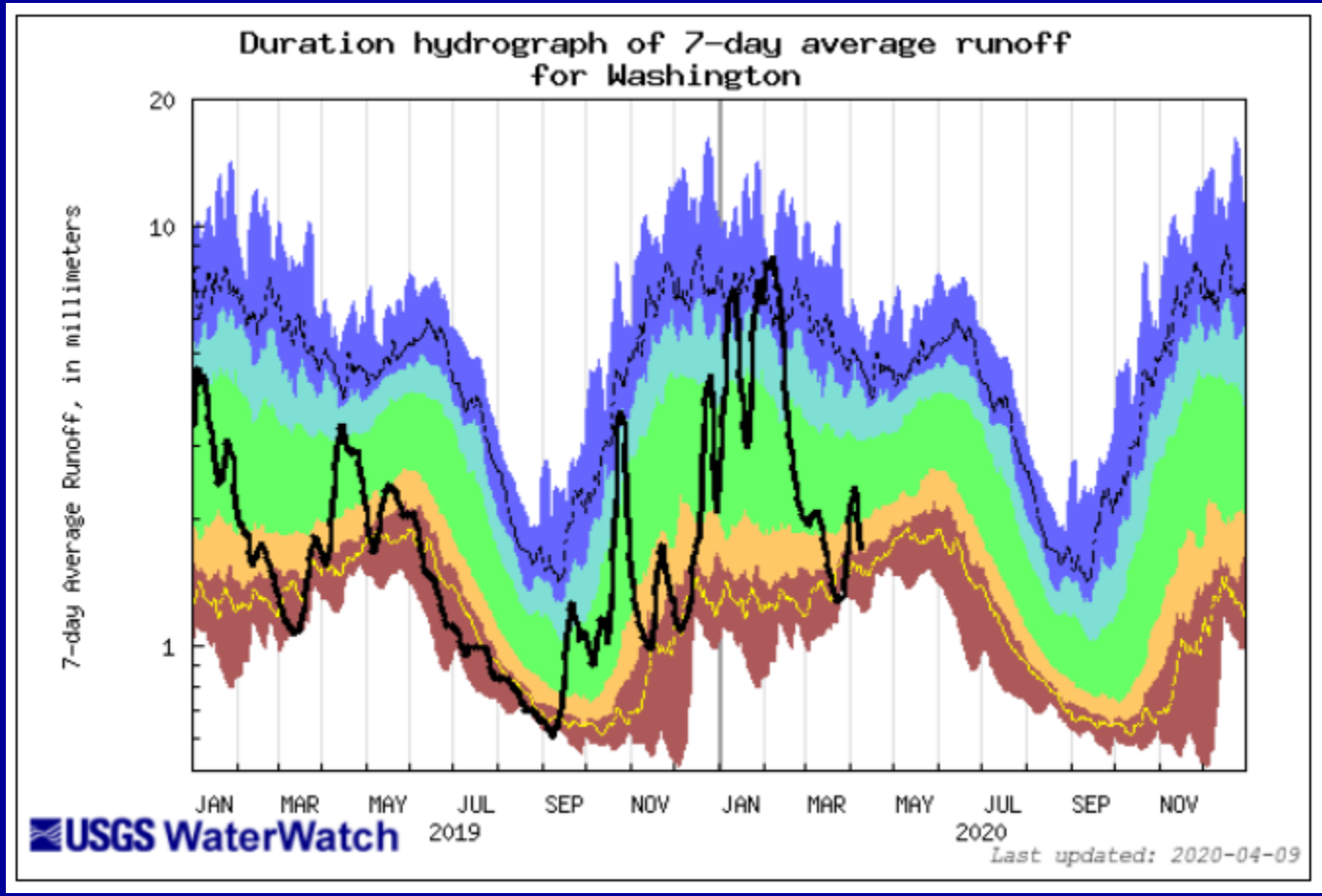
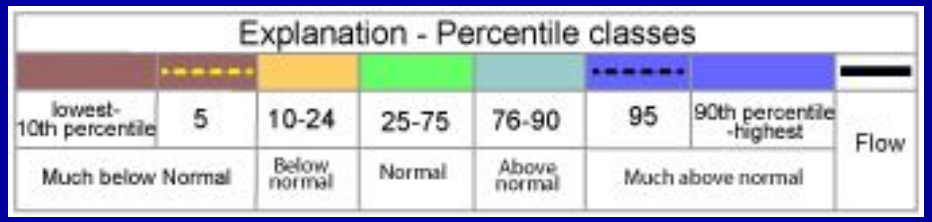
April 8, 2020

Duration Hydrograph, Washington State

7-day Average Streamflow (through April 9, 2020)



As of April 9, 2020, statewide 7-day average flows are at the border between the Below Normal and Much Below Normal categories.



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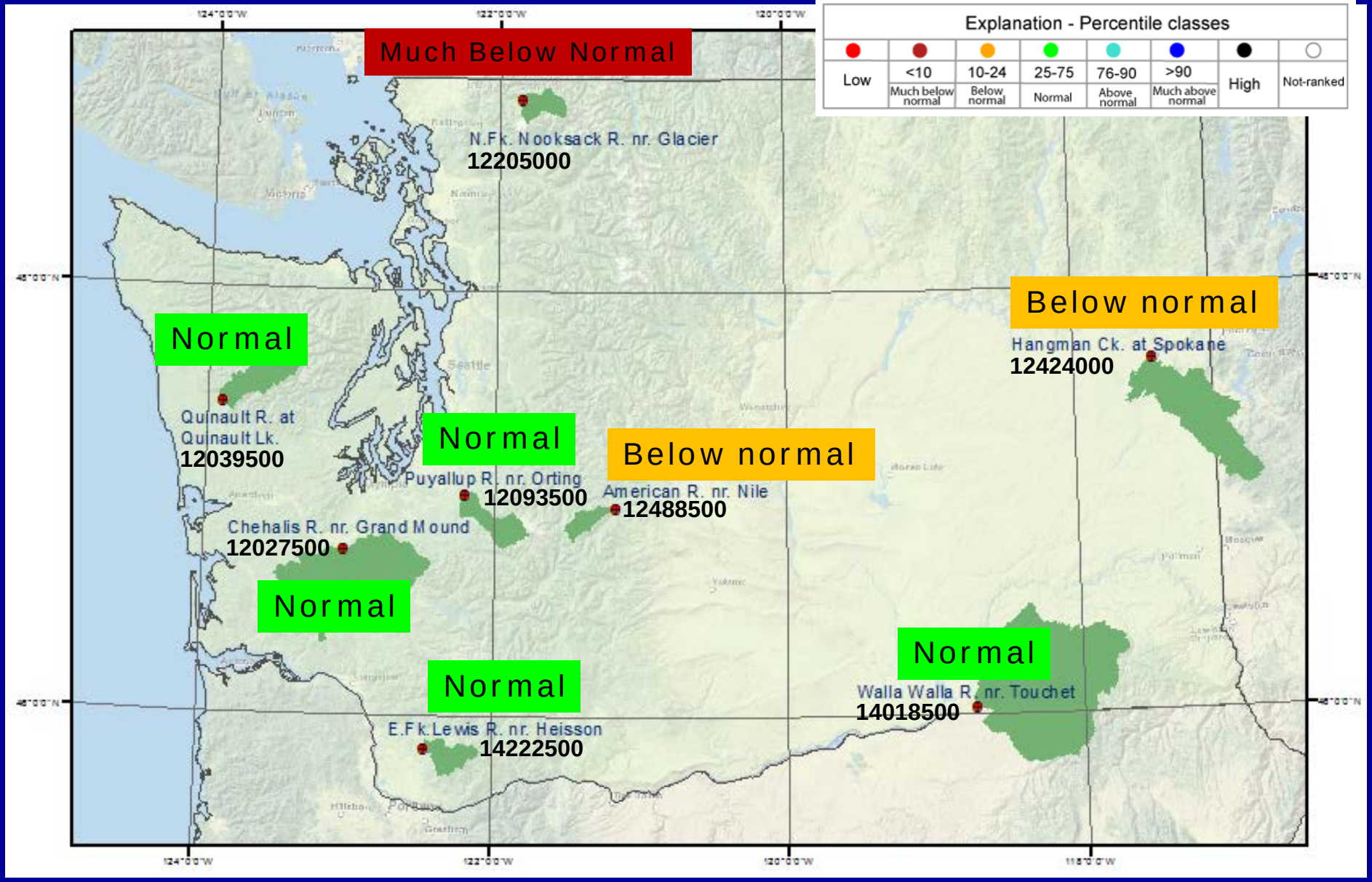
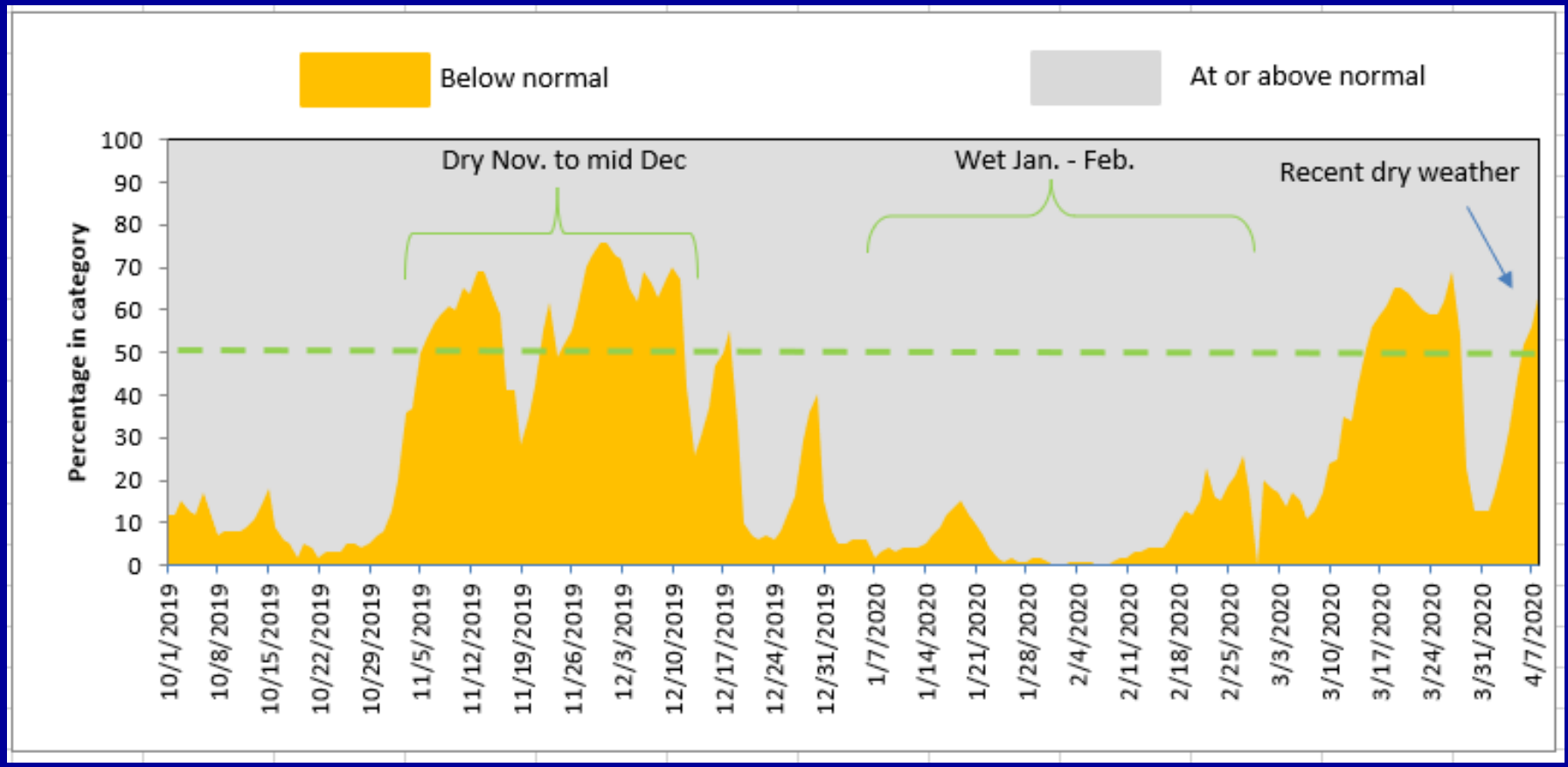
Index Gaging Stations, 7-day average streamflow (as of April 8, 2020)



Daily streamflow in Washington Rivers compared to historical streamflow, Oct. 01, 2019 – April 8, 2020



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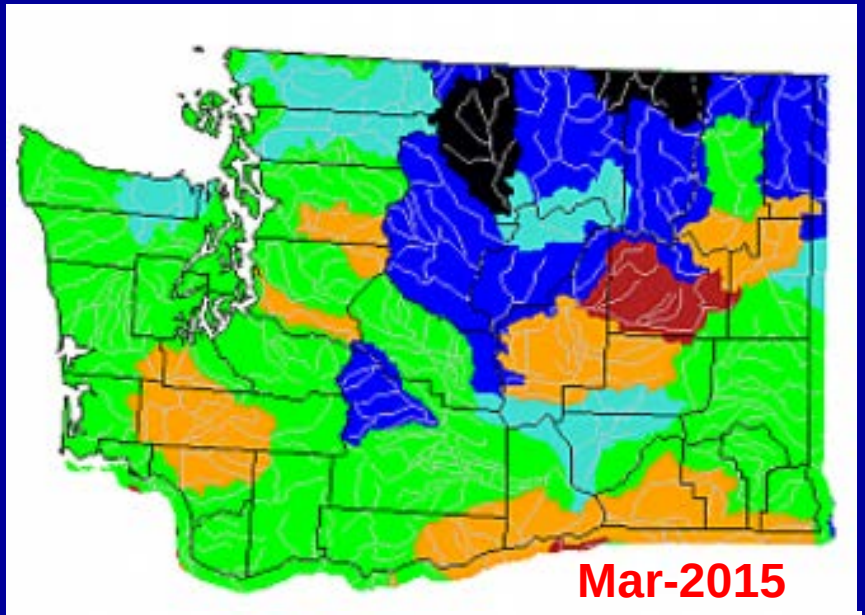
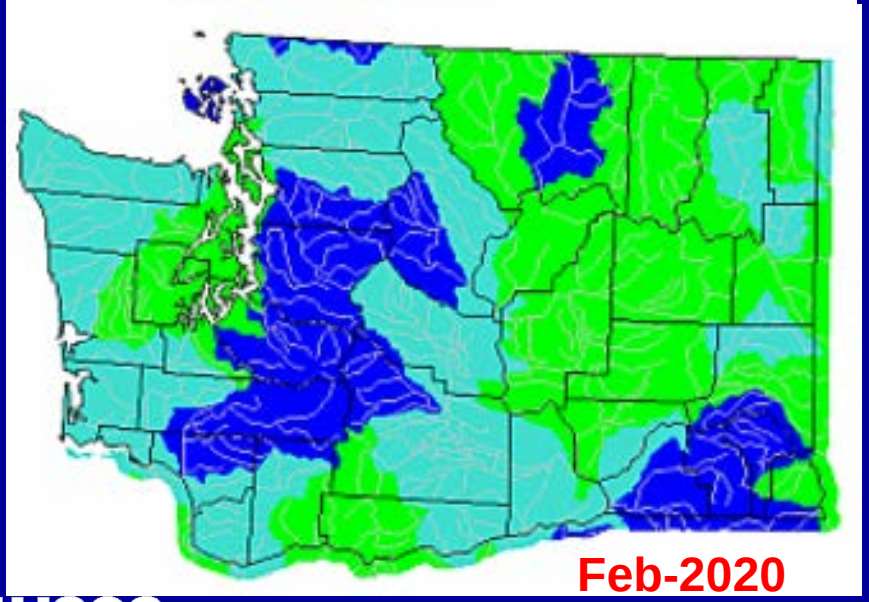
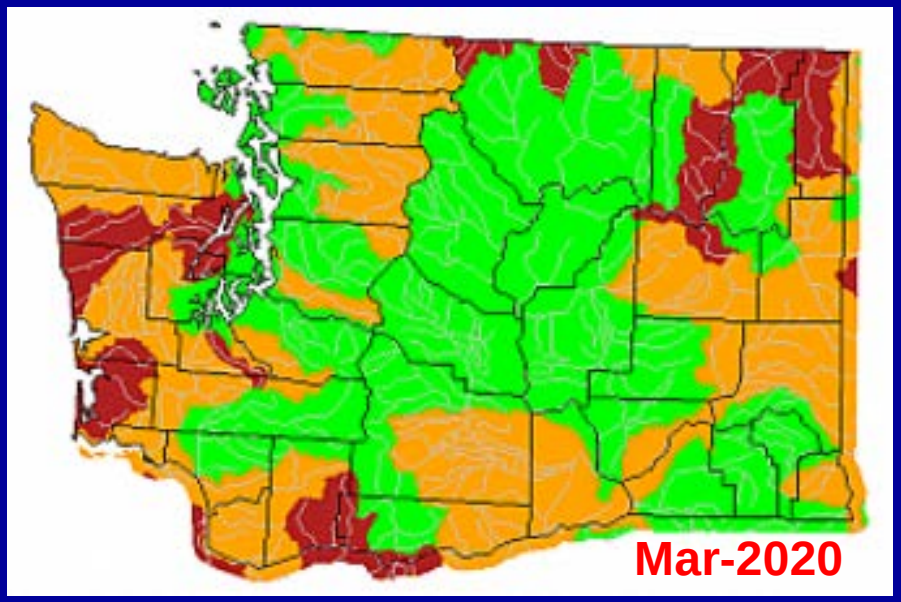
March 2015 and February-March 2020 Monthly Streamflow







Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

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Groundwater Conditions

April 2, 2020 to April 9, 2020

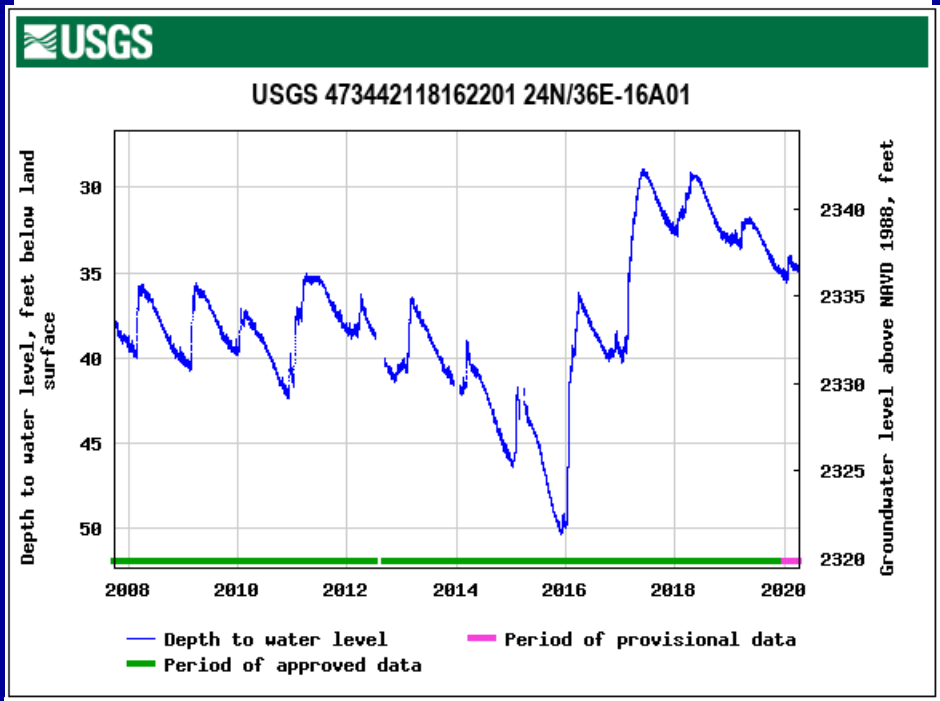
and Oct. 1, 2007 to April 9, 2020

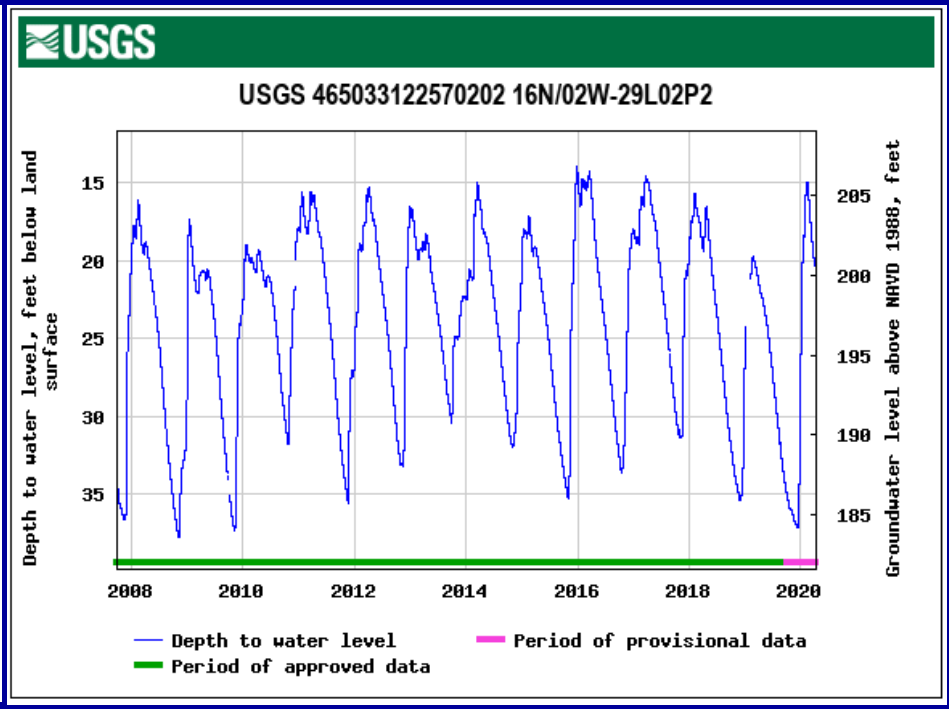
Davenport well

- 117-ft deep
- Wanapum Basalt

Scatter Creek well

- 82-ft deep
- Sand and gravel





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Summary
Streamflow and Groundwater Conditions as of April 8-9, 2020

- ✓ **7-day average streamflow** showed mostly **Normal** to **Below Normal** conditions throughout the State with some **Much Below Normal** conditions in the north Puget Sound region of the State.

- ✓ As of April 8th, daily mean streamflow is at **Normal and Above** at only 37 percent of the 152 reporting streamflow sites.

- ✓ **7-day average streamflow at eight index gaging stations:**

  - West side: four sites are **Normal**, Nooksack R. is **Much Below Normal**
  - East side: Walla Walla R. is **Normal** and the American R. and Hangman Creek are **Below Normal**.

- ✓ **Both the index groundwater well levels have dropped this week, but the Davenport is still above the long-term average for this time of the year. The** Scatter Creek well level drop seems to be occurring earlier in the year than usual.

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