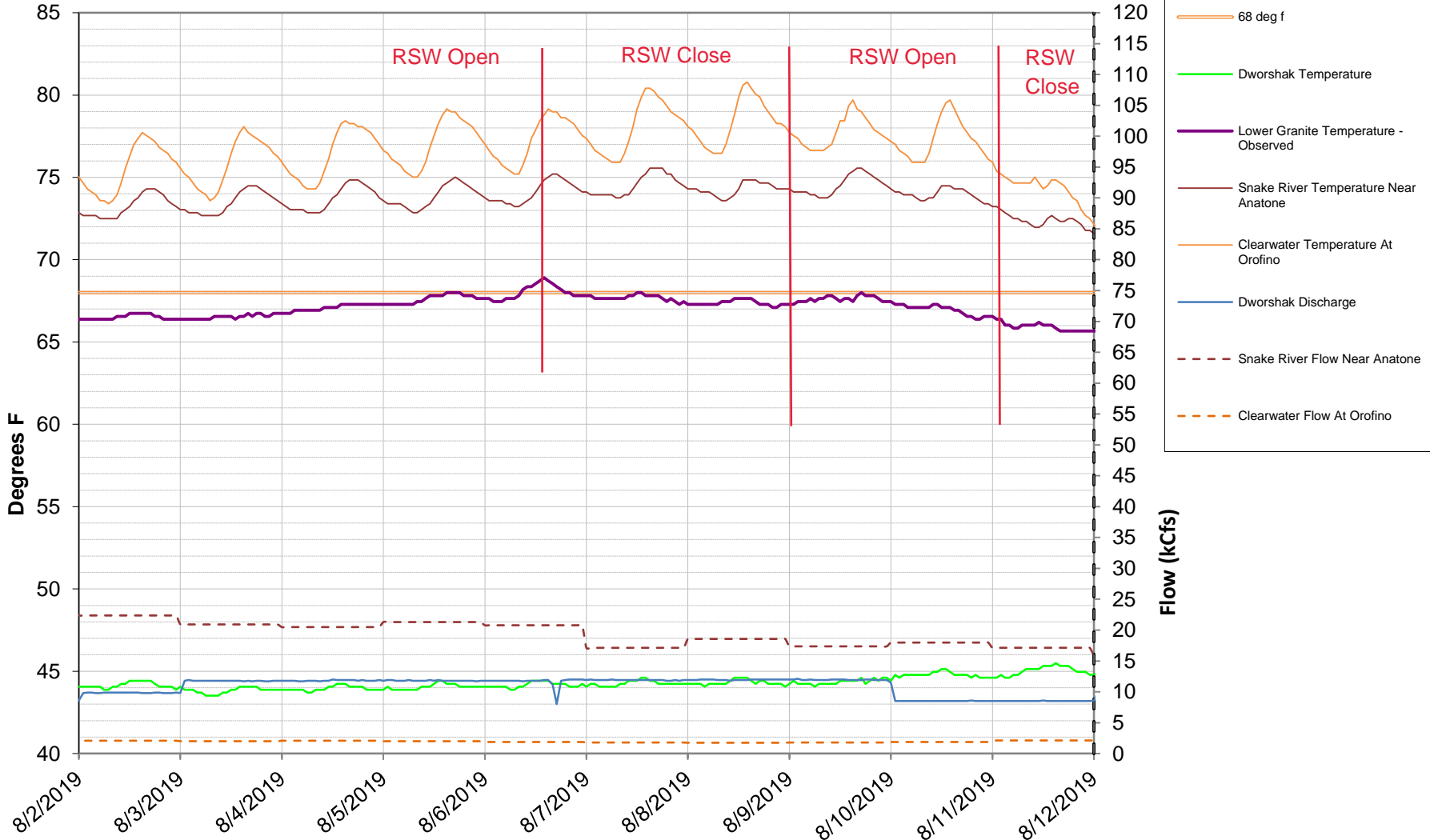Water Temperature and Flow Observed Data from 8/2/2019 to 8/11/2019
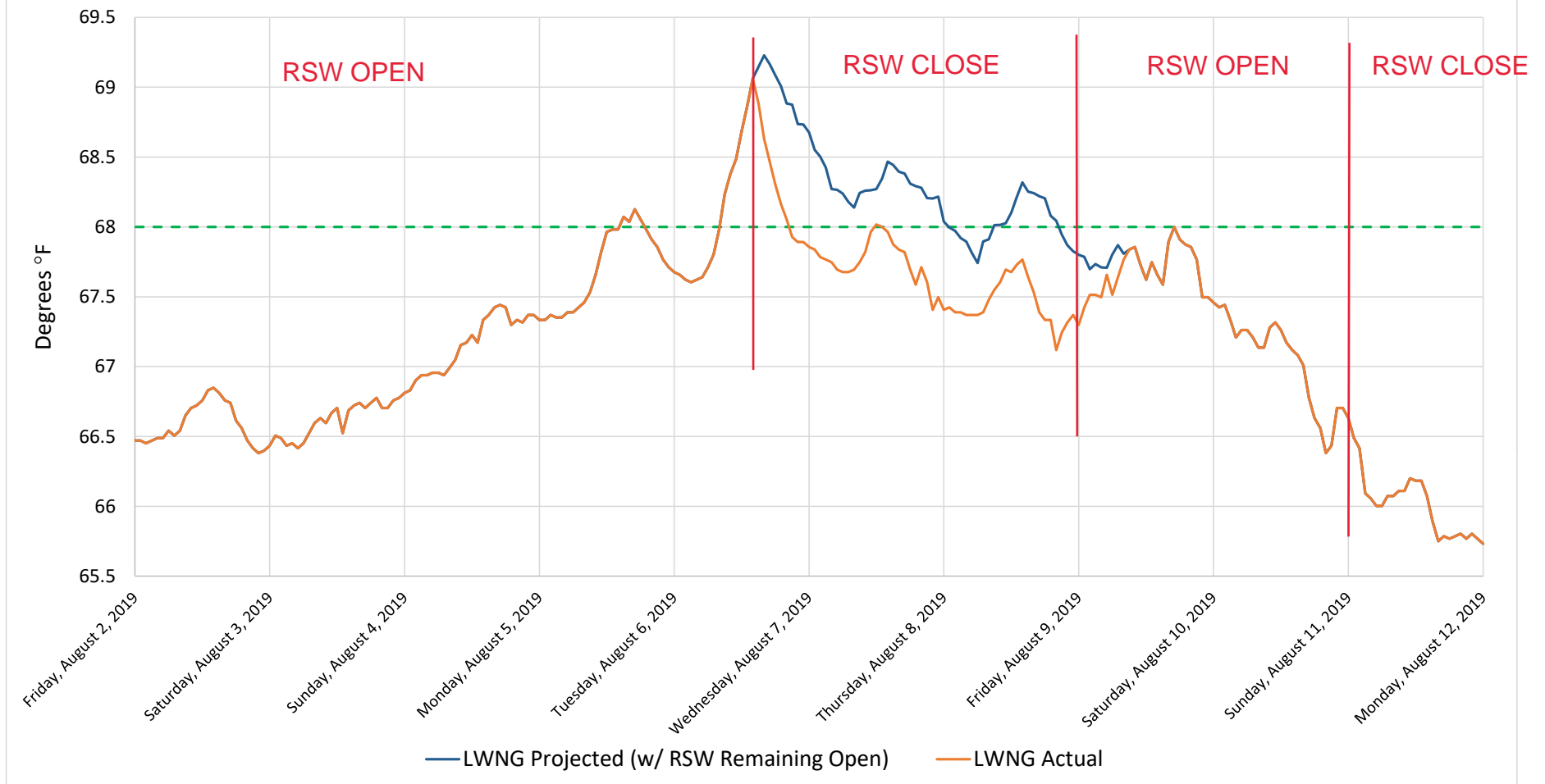
Conditions for LWG from 8/5 to 8/10 during RSW closure from 8/6 at 1400 to 8/9 at 0000 WY2019

Depth In Meters	05 Aug 0000	05 Aug 1200	06 Aug 0000	06 Aug 1200	07 Aug 0000	07 Aug 1200	08 Aug 0000	08 Aug 1200	09 Aug 0000	09 Aug 1200	10 Aug 0000	10 Aug 1200
0.5	72.6	74.3	75.8	75.7	77.1	75.3	75.7	77.3	75.8	76.0	75.8	75.4
1.5	72.3	72.8	75.2	74.1	75.2	74.6	75.3	75.5	75.1	75.9	75.5	74.7
3	71.8	72.3	73.1	73.6	74.6	74.3	73.5	74.3	73.3	75.6	74.1	72.0
5	71.5	71.5	72.0	73.3	73.8	72.9	71.9	71.9	72.2	72.8	72.5	70.9
10	69.3	69.9	69.8	71.3	70.6	70.7	70.5	70.3	70.5	69.7	70.0	69.4
15	68.3	68.7	67.9	69.3	68.3	68.9	68.1	68.6	68.6	67.9	68.1	68.5
20	66.7	67.2	66.3	66.6	66.5	65.2	64.6	65.7	64.9	65.3	64.1	63.7
25	64.2	64.5	64.4	64.7	64.6	64.5	64.3	64.2	63.8	63.5	63.3	63.2
30	63.8	63.9	64.0	64.1	64.4	64.3	64.4	64.0	63.7	63.5	63.3	63.2
35	62.7	62.8	62.8	62.9	63.0	63.1	63.0	63.1	63.0	62.9	62.7	62.6

● Denotes missing data   ▮ <72°F   ▮ 70°F to 71°F   ▮ 70°F to 67°F   ▮ 66°F to 64°F   ▮ 60°F to 64°

SILW Air Max/Low Temp	05 Aug		06 Aug		07 Aug		08 Aug		09 Aug		10 Aug	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
°F	65.1	101.4	66.6	103.6	71.6	103.4	70.8	99.7	70.4	87.0	67.7	89.5
LWG Tailwater	67.33	68.13	67.60	69.06	67.41	68.02	67.12	67.77	67.30	68.00	66.38	67.46

Projected Temperatures With RSW Remaining Open from 8/6/2019 to 8/9/2019

Estimated average temperature improvement: ~0.6°F for 1h increments

Conditions that applied for this result to occur:

1) Water temperatures in LWG forebay (specifically between 3m and 15m range) need to have a difference of 4°F (or greater)

2) Forecast for light wind and limited cloud cover operation

3) Continued heat wave forecasted for duration of operation in excess of 95°F

***Projected temperatures are based on previous 5-day mixing calibration from model, actual trend that occurred in observed temperature values, and correlation of observed solar radiation, wind speed, LWG tailwater elevation, and air temperatures during operation.