

Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Terms 12 & 13 June 2021 TUCO)							
Report Date:		10/8/2021					

Units are cfs unless noted otherwise

	10/1/2021	10/2/2021	10/3/2021	10/4/2021	10/5/2021	10/6/2021	10/7/2021
I. Upper East Fork Reach							
<u>Potter Valley Project</u>							
Tunnel Diversion	30.0	30.0	30.0	30.0	30.0	24.0	10.0
PVID Requested Delivery	25.0	25.0	25.0	25.0	25.0	19.2	5.0
PVID Canals Actual Delivery	9.5	9.7	9.7	9.7	9.5	1.5	1.5
East Fork Release	20.5	20.3	20.3	20.3	20.5	22.7	8.5
PVID E Fork Diversions	15.5	15.3	15.3	15.3	15.5	17.7	3.5
PVID Water Use - PG&E Contract	25.0	25.0	25.0	25.0	25.0	19.2	5.0
PVID Water Use - License 5264	0.0	0.0	0.0	0.0	0.0	0.0	0.0
East Fork Downstream of PVID	5.0	5.0	5.0	5.0	5.0	5.0	5.0
PVID Canal Net Return Flow (assumed)	8.5	7.8	7.2	7.4	6.5	8.2	8.5
<u>East Fork / Potter Valley Reach Analysis</u>							
USGS E Fork @ Calpella	13.5	12.8	12.2	12.4	11.5	13.2	13.5
Net Reach Loss(-)/Gain(+)	-16.5	-17.2	-17.8	-17.6	-18.5	-10.8	+3.5
Unimpaired Natural Flow @ Calpella (est.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Non-PVID East Fork Net Reach Losses (est.)	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
Natural Flow	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Import (neg. value is return flow)	0.0	0.0	0.0	0.0	0.0	-0.2	0.0

II. Lake Mendocino

<u>Resrvoir Operations</u>							
Calculated Inflow (ac-ft)	40.9	40.9	33.8	34.8	25.4	29.6	61.5
(cfs)	21	21	17	18	13	15	31
Natural Flow	0	0	0	0	0	0	0
Import	21	21	17	18	13	15	31
Storage Change (ac-ft)	-122.0	-122.0	-129.0	-128.0	-134.0	-127.0	-93.0
(cfs)	-62	-62	-65	-65	-68	-64	-47
Stored Natural Flow (cfs)	0	0	0	0	0	0	0
Stored Import Water (cfs)	0	0	0	0	0	0	0
Evaporation (ac-ft)	10.2	10.2	10.1	10.1	7.4	6.3	5.8
RVCWD Diversion (ac-ft)	0	0	0	0	0	0	0
CVD Release Gage	77	77	77	77	77	76	75
Storage (Project Water)	56	56	60	59	64	61	44
Natural Flow	0	0	0	0	0	0	0
Import Water	21	21	17	18	13	15	31
<u>East Fork Min Instream Flow Requirement</u>	25	25	25	25	25	25	25
<u>Compliance Gage</u>	<i>Rvr mi.</i>						
CVD Release	99.9	77	77	77	77	76	75
<u>CVD Project Water Release to Meet Min Flow Requirement</u>							
Total Pass-through Water	21	21	17	18	13	15	31
Project Water Release Required	Yes	Yes	Yes	Yes	Yes	Yes	No

III. Upper Russian River Reach

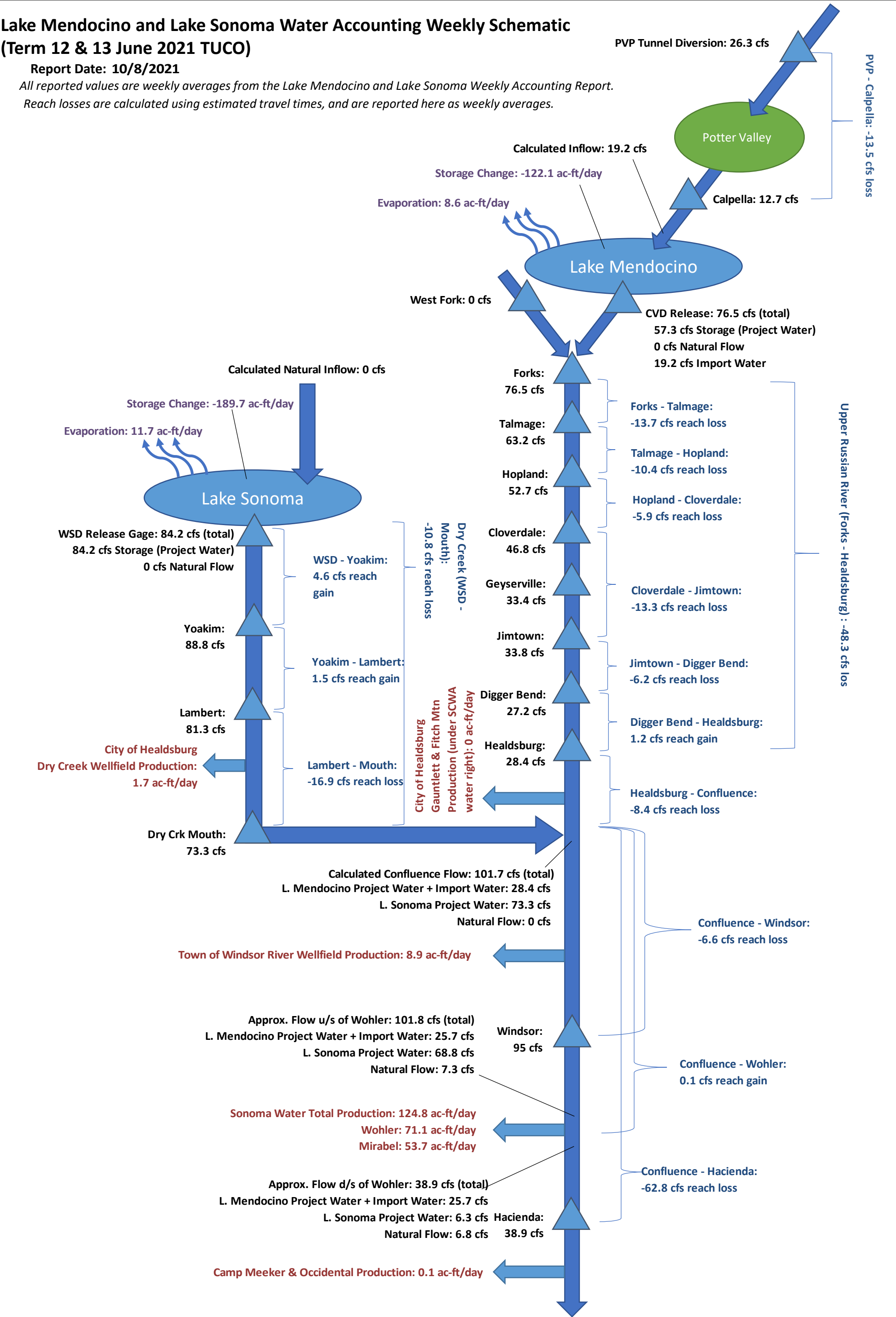
<u>Minimum Instream Flow Requirement</u>			25	25	25	25	25	25	25
<u>Controlling Compliance Gage</u>									
Min Gage Flow			27	27	26	27	27	28	29
Controlling Gage			Digger Bend	Digger Bend	Digger Bend	Digger Bend	Digger Bend	Digger Bend	Digger Bend
<u>All Compliance Gages</u>			<u>Rvr mi.</u>						
Forks	(CVD + USGS 11461000)	99.0	77	77	77	77	77	76	75
Talmage	(USGS 11462080)	96.1	63	63	64	64	63	62	64
Hopland	(USGS 11462500)	84.8	53	53	52	52	53	53	54
Cloverdale	(USGS 11463000)	70.9	48	47	47	46	47	48	47
Geyserville	(USGS 11463500)	54.4	34	34	33	33	32	34	35
Jimtown	(USGS 11463682)	48.5	33	32	33	33	34	35	37
Digger Bend	(USGS 11463980)	38.2	27	27	26	27	27	28	29
Healdsburg	(USGS 11464000)	35.6	28	28	28	28	28	29	30
<u>Net Reach Loss(-)/Gain(+)</u>									
Forks - Talmage			-14	-13	-13	-13	-14	-15	-13
Talmage - Hopland			-9	-10	-12	-12	-11	-9	-10
Hopland - Cloverdale			-6	-6	-6	-6	-6	-5	-7
Cloverdale - Jimtown			-16	-15	-15	-14	-13	-11	-11
Jimtown - Digger Bend			-6	-6	-6	-6	-6	-6	-7
Digger Bend - Healdsburg			+1	+1	+1	+1	+1	+1	+2
Upper Russian Net Reach Loss/Gain			-50	-50	-50	-50	-48	-44	-46
<u>CVD Project Water Release to Meet Min Flow Requirement</u>									
Net Reach Loss(-)/Gain(+) to Controlling Gage			-52	-51	-51	-51	-49	-45	-47
Storage (Project Water)			52	51	51	51	49	45	-44
Pass-through Water (Natural + Import)			0	0	0	0	0	0	-91
Total Pass-through Water			21	21	17	18	13	15	-60
Project Water Release Required			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes:
- Water Accounting for the Upper Russian River is an analysis that approximates the current conditions based on methodology in Term 11 (2/11/21 Order) report and modified by Term 12 (6/14/21 Order) report. Values listed include estimated values where measurements are not currently available (red italics).

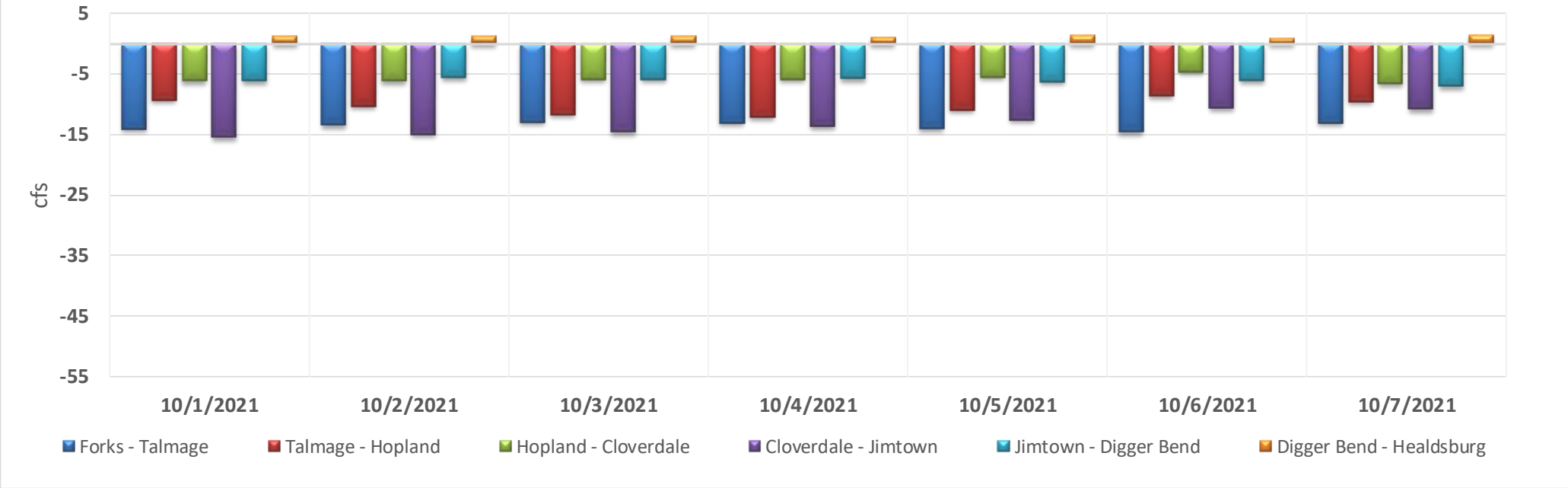
[illegible]

Lake Mendocino and Lake Sonoma Water Accounting Weekly Schematic
(Term 12 & 13 June 2021 TUCO)

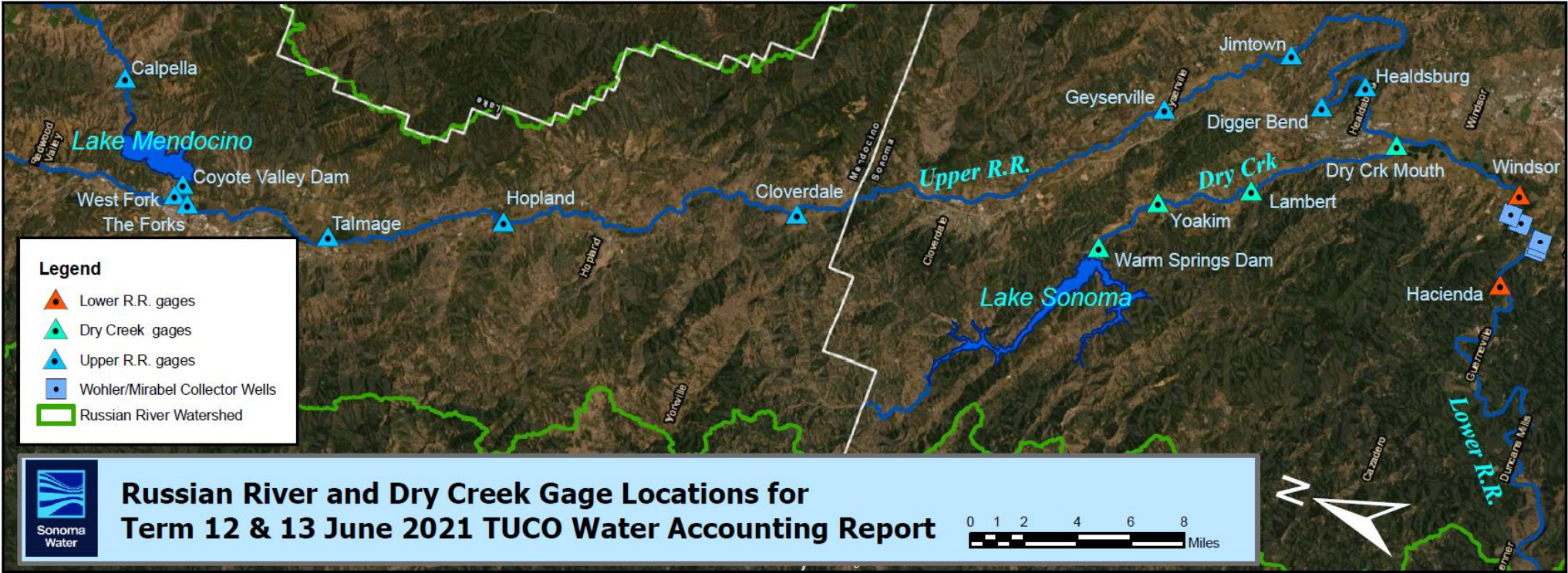
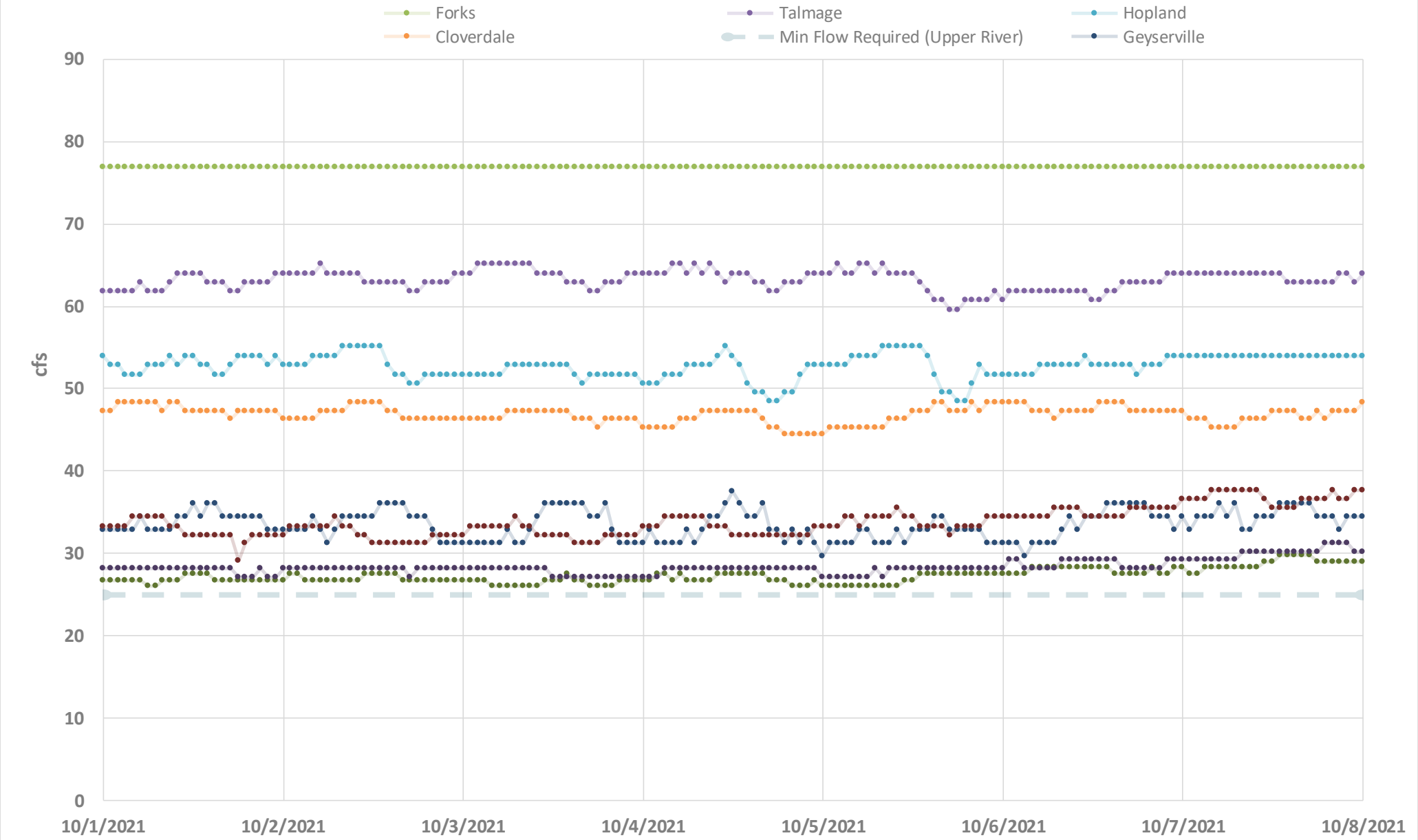
Report Date: 10/8/2021
All reported values are weekly averages from the Lake Mendocino and Lake Sonoma Weekly Accounting Report.
Reach losses are calculated using estimated travel times, and are reported here as weekly averages.

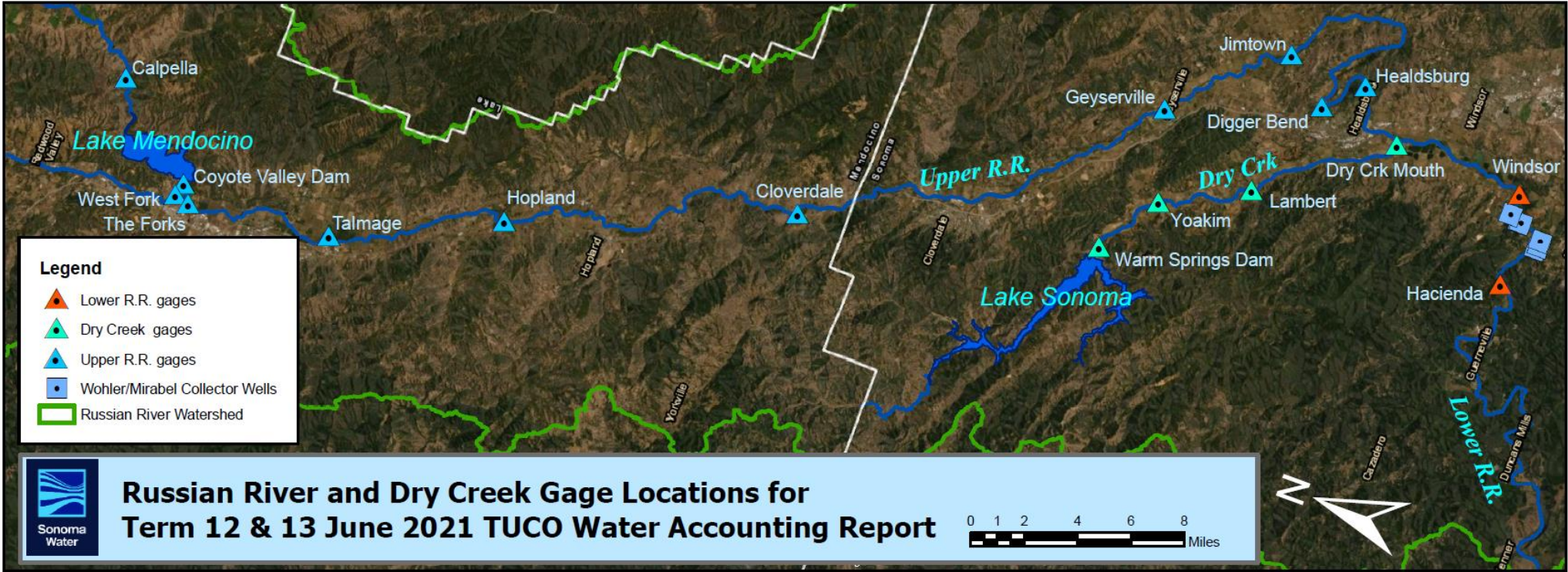
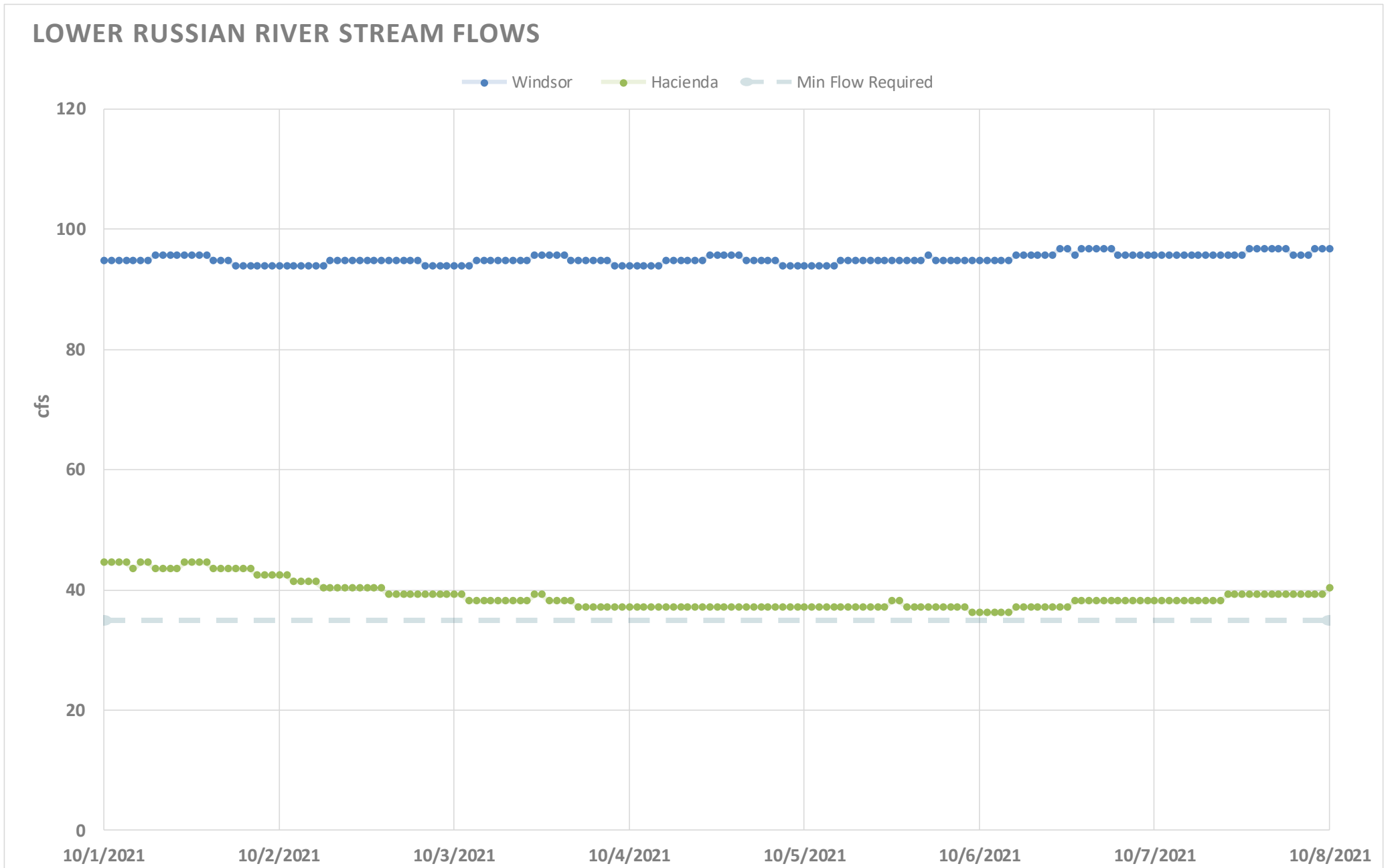
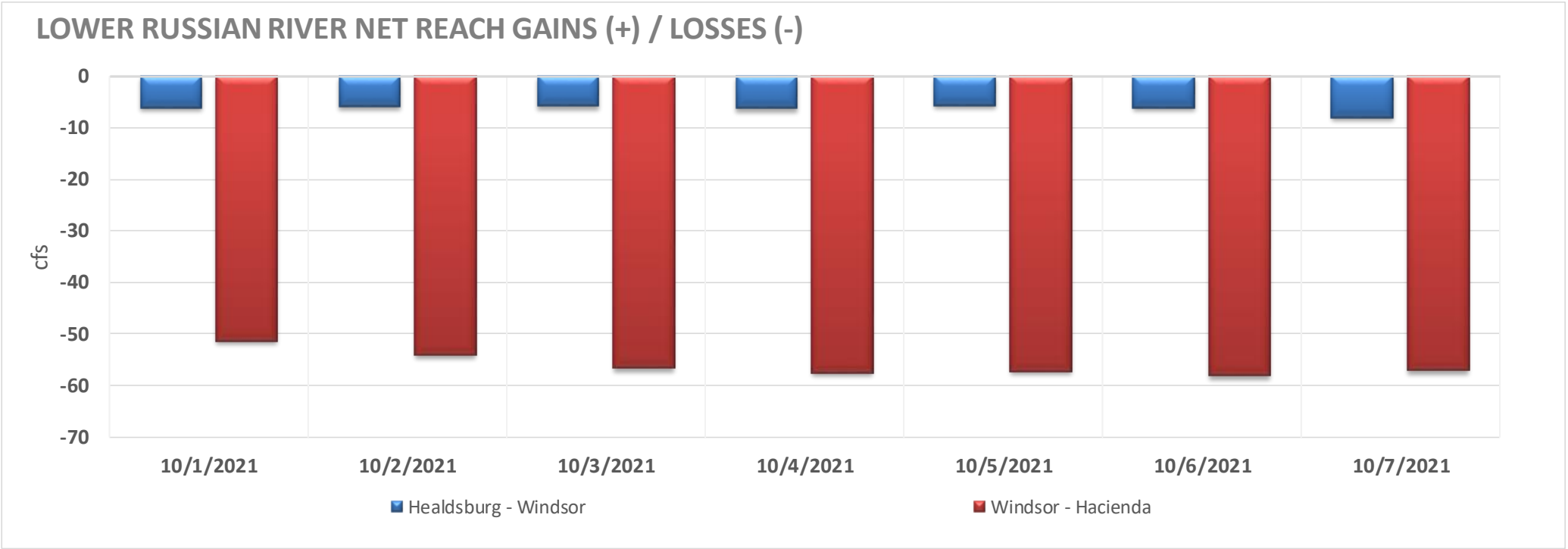


UPPER RUSSIAN RIVER NET REACH GAINS (+) / LOSSES (-)

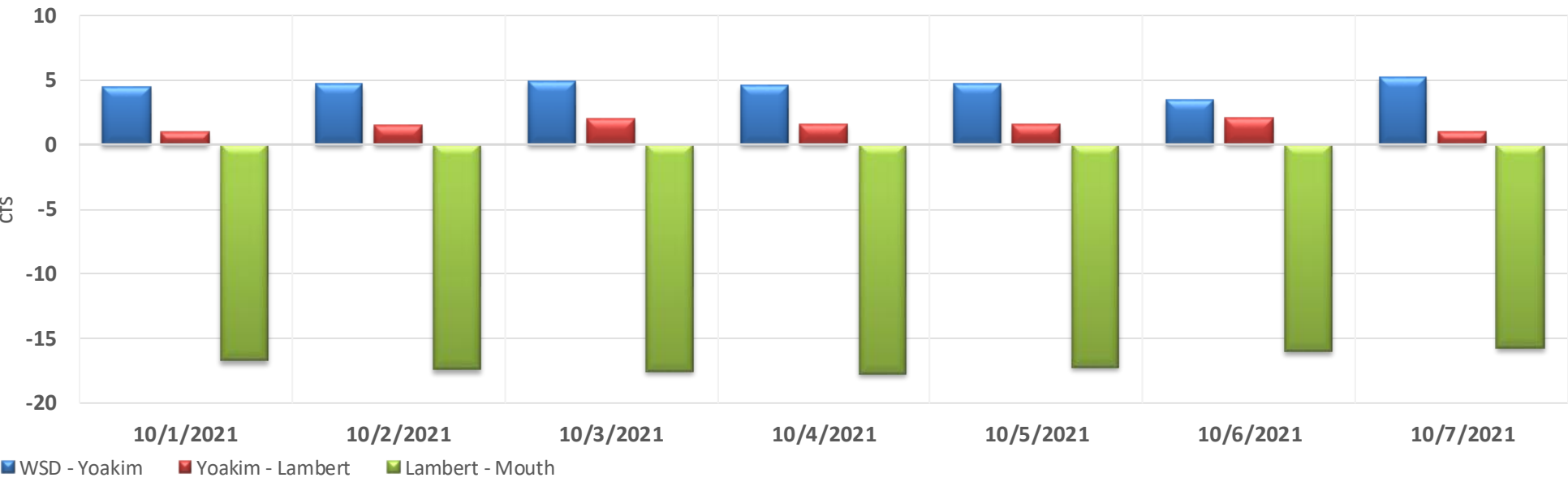


UPPER RUSSIAN RIVER STREAM FLOWS





DRY CREEK NET REACH GAINS (+) / LOSSES (-)



DRY CREEK STREAM FLOWS

