

Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Terms 12 & 13 June 2021 TUCO)

Report Date: 8/27/2021

Units are cfs unless noted otherwise

	8/20/2021	8/21/2021	8/22/2021	8/23/2021	8/24/2021	8/25/2021	8/26/2021
I. Upper East Fork Reach							
Potter Valley Project							
Tunnel Diversion	30.0	30.0	30.0	30.0	30.0	30.0	30.0
PVID Requested Delivery	25.0	25.0	25.0	25.0	25.0	25.0	25.0
PVID Canals Actual Delivery	12.9	12.6	12.6	12.6	12.6	12.5	12.5
East Fork Release	17.2	17.4	17.4	17.4	17.4	17.5	17.5
PVID E Fork Diversions	12.2	12.4	12.4	12.4	12.4	12.5	12.5
PVID Water Use - PG&E Contract	25.0	25.0	25.0	25.0	25.0	25.0	25.0
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)	9.5	10.5	10.7	5.5	6.1	6.8	5.9
East Fork / Potter Valley Reach Analysis							
USGS E Fork @ Calpella	14.5	15.5	15.7	10.5	11.1	11.8	10.9
Net Reach Loss(-)/Gain(+)	-15.5	-14.5	-14.3	-19.5	-18.9	-18.2	-19.1
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	0.0	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	0.0	0.0

II. Lake Mendocino

Resrvoir Operations							
Calculated Inflow (ac-ft)	43.3	29.4	37.7	32.2	21.6	46.2	7.1
(cfs)	22	15	19	16	11	23	4
Natural Flow	0	0	0	0	0	0	0
Import	22	15	19	16	11	23	4
Storage Change (ac-ft)	-159.0	-175.0	-166.0	-165.0	-172.0	-131.0	-170.0
(cfs)	-80	-88	-84	-83	-87	-66	-86
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)	12.7	12.0	13.1	14.2	13.5	14.6	14.5
RVCWD Diversion (ac-ft) (est.)	0	0	0	0	0	0	0
CVD Release Gage	96	97	96	92	91	82	82
Storage (Project Water)	74	82	77	76	80	59	78
Natural Flow	0	0	0	0	0	0	0
Import Water	22	15	19	16	11	23	4
East Fork Min Instream Flow Requirement	25	25	25	25	25	25	25
Compliance Gage	<i>Rvr mi.</i>						
CVD Release	99.9	96	97	96	92	91	82
CVD Project Water Release to Meet Min Flow Requirement							
Total Pass-through Water	22	15	19	16	11	23	4
Project Water Release Required	Yes	Yes	Yes	Yes	Yes	Yes	Yes

III. Upper Russian River Reach

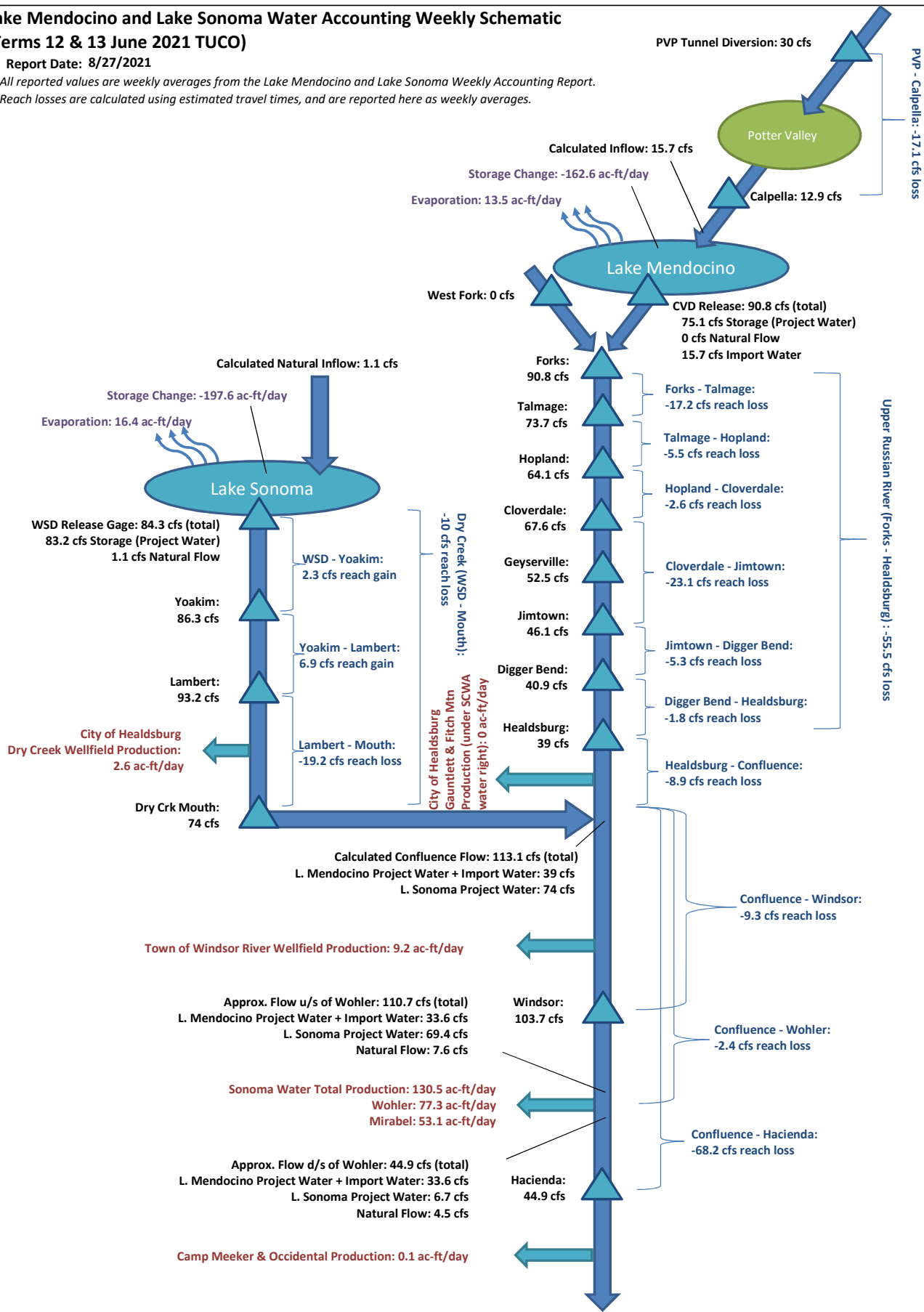
Minimum Instream Flow Requirement	25	25	25	25	25	25	25
Controlling Compliance Gage							
Min Gage Flow	37	38	39	41	41	40	38
Controlling Gage	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg
All Compliance Gages	<i>Rvr mi.</i>						
Forks (CVD + USGS 11461000)	99.0	96	97	96	92	91	82
Talmage (USGS 11462080)	96.1	79	80	80	74	73	66
Hopland (USGS 11462500)	84.8	68	68	69	66	62	58
Cloverdale (USGS 11463000)	70.9	71	69	69	71	67	60
Geyserville (USGS 11463500)	54.4	52	54	54	53	55	51
Jimtown (USGS 11463682)	48.5	45	46	47	48	48	46
Digger Bend (USGS 11463980)	38.2	39	40	41	43	42	41
Healdsburg (USGS 11464000)	35.6	37	38	39	41	41	40
Net Reach Loss(-)/Gain(+)							
Forks - Talmage	-16	-17	-16	-18	-18	-17	-18
Talmage - Hopland	-6	-7	-6	-4	-5	-5	-6
Hopland - Cloverdale	-3	-3	-4	-4	-2	-2	-1
Cloverdale - Jimtown	-25	-24	-23	-21	-22	-23	-23
Jimtown - Digger Bend	-5	-5	-5	-5	-6	-6	-5
Digger Bend - Healdsburg	-2	-2	-2	-2	-2	-2	-2
Upper Russian Net Reach Loss/Gain	-57	-58	-57	-55	-55	-54	-54
CVD Project Water Release to Meet Min Flow Requirement							
Net Reach Loss(-)/Gain(+) to Controlling Gage	-57	-58	-57	-55	-55	-54	-54
Storage (Project Water)	57	58	57	55	55	54	54
Pass-through Water (Natural + Import)	0	0	0	0	0	0	0
Total Pass-through Water	22	15	19	16	11	23	4
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).

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

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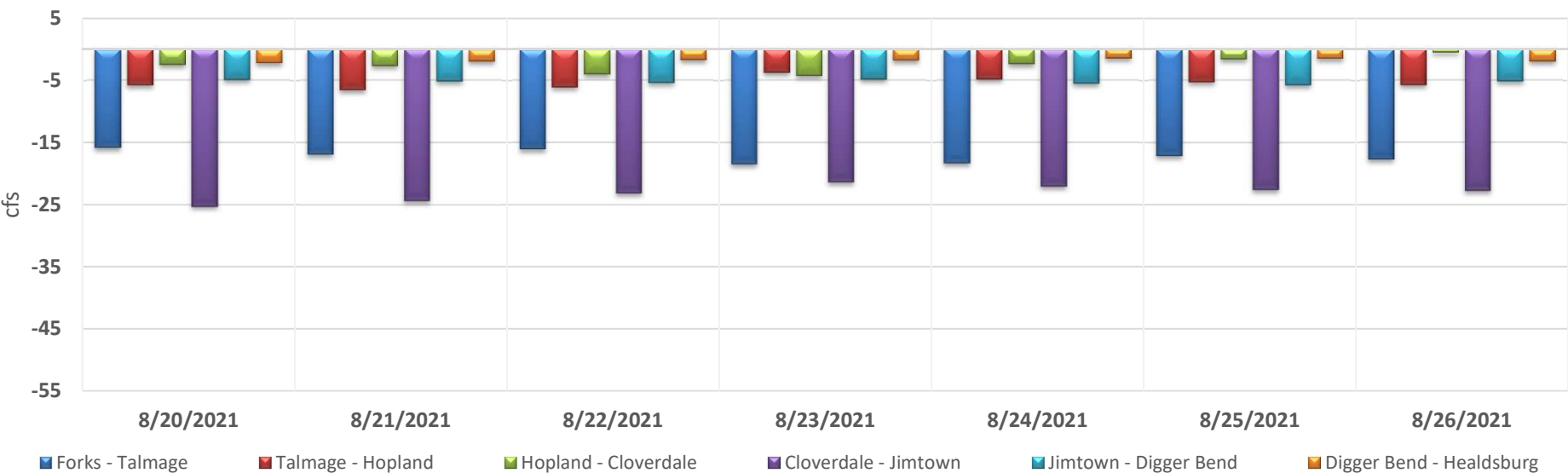
All reported values are weekly averages from the Lake Mendocino and Lake Sonoma Weekly Accounting Report.
 Reach losses are calculated using estimated travel times, and are reported here as weekly averages.



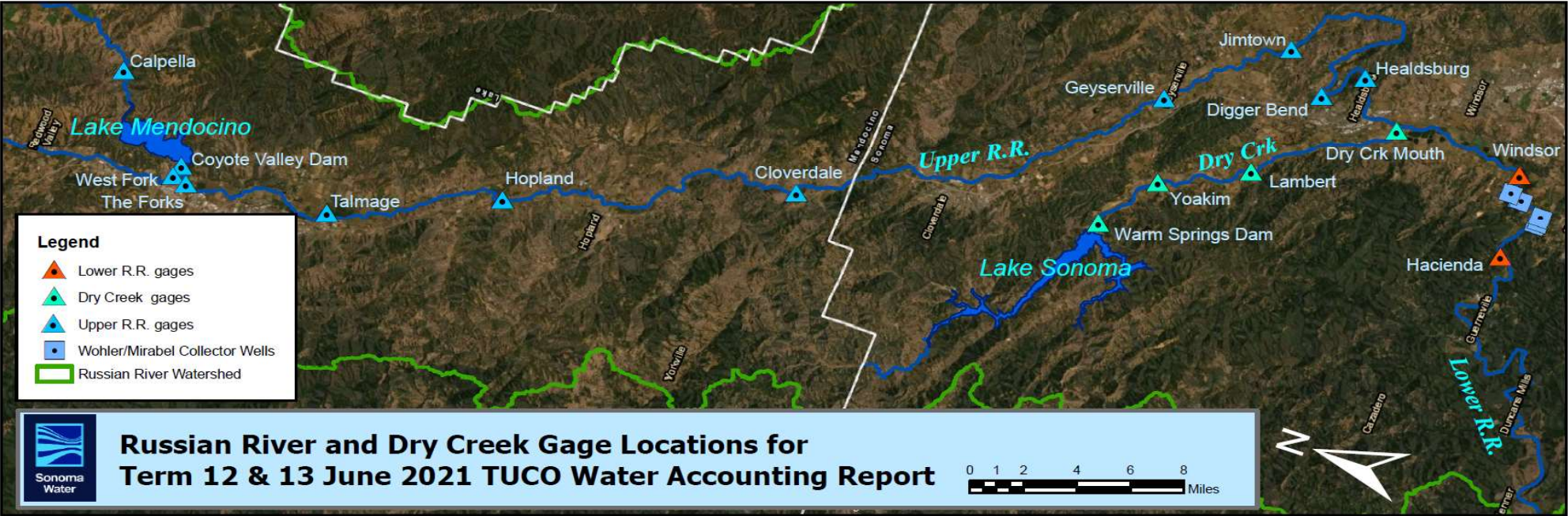
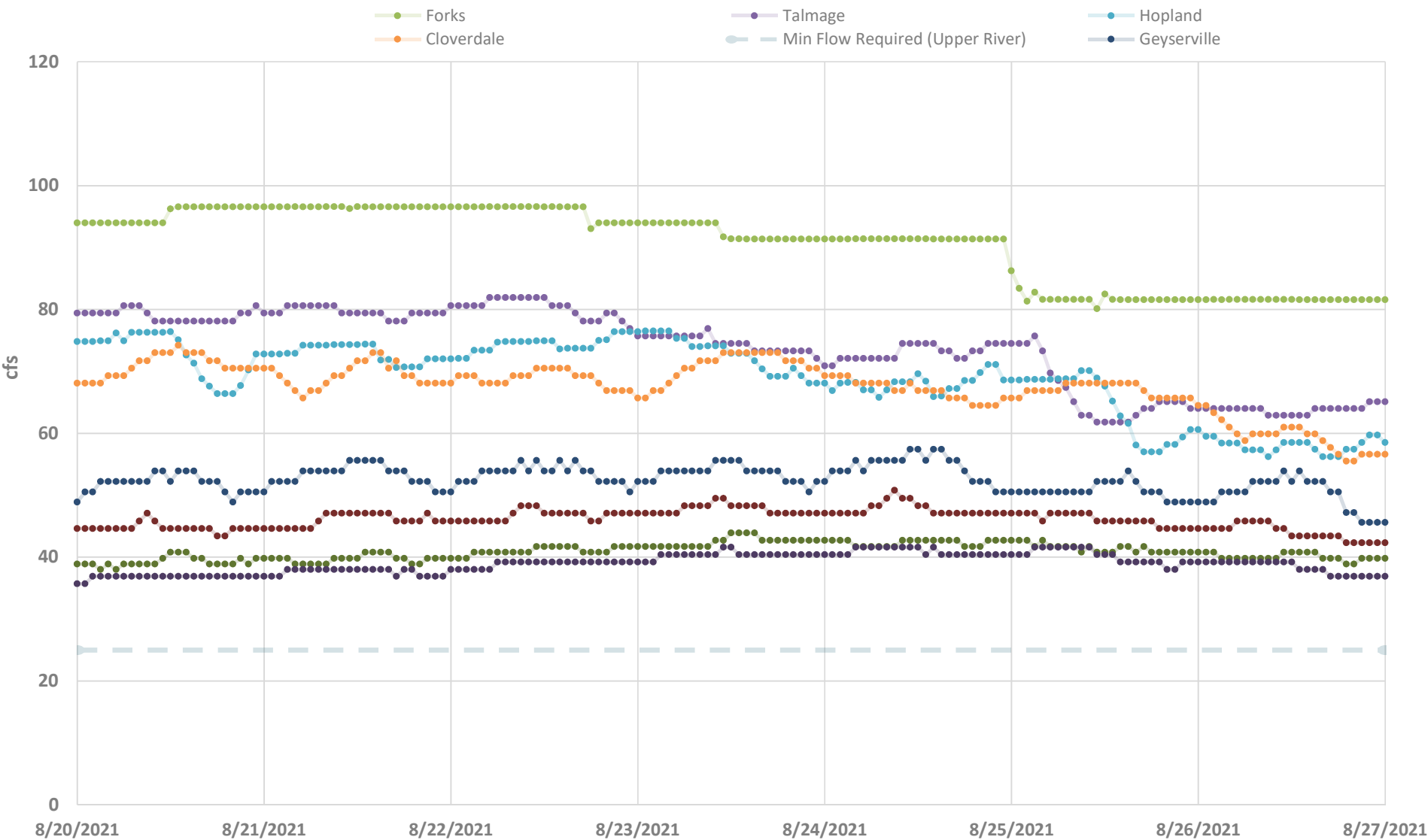
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UPPER RUSSIAN RIVER NET REACH GAINS (+) / LOSSES (-)



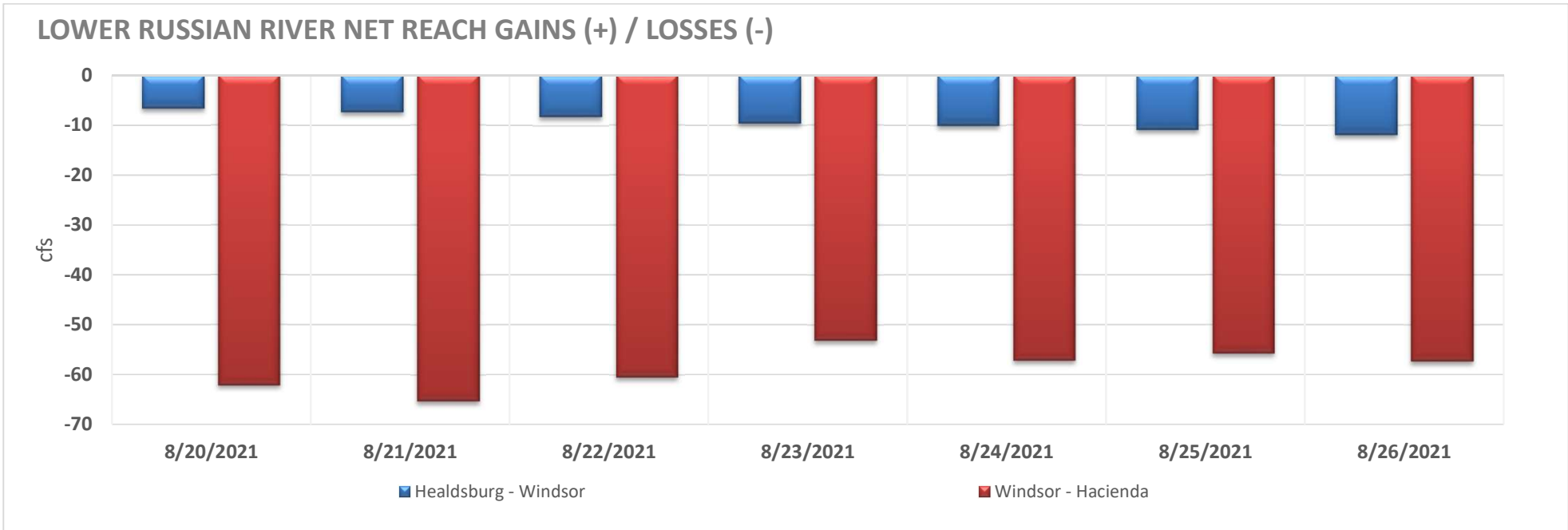
UPPER RUSSIAN RIVER STREAM FLOWS



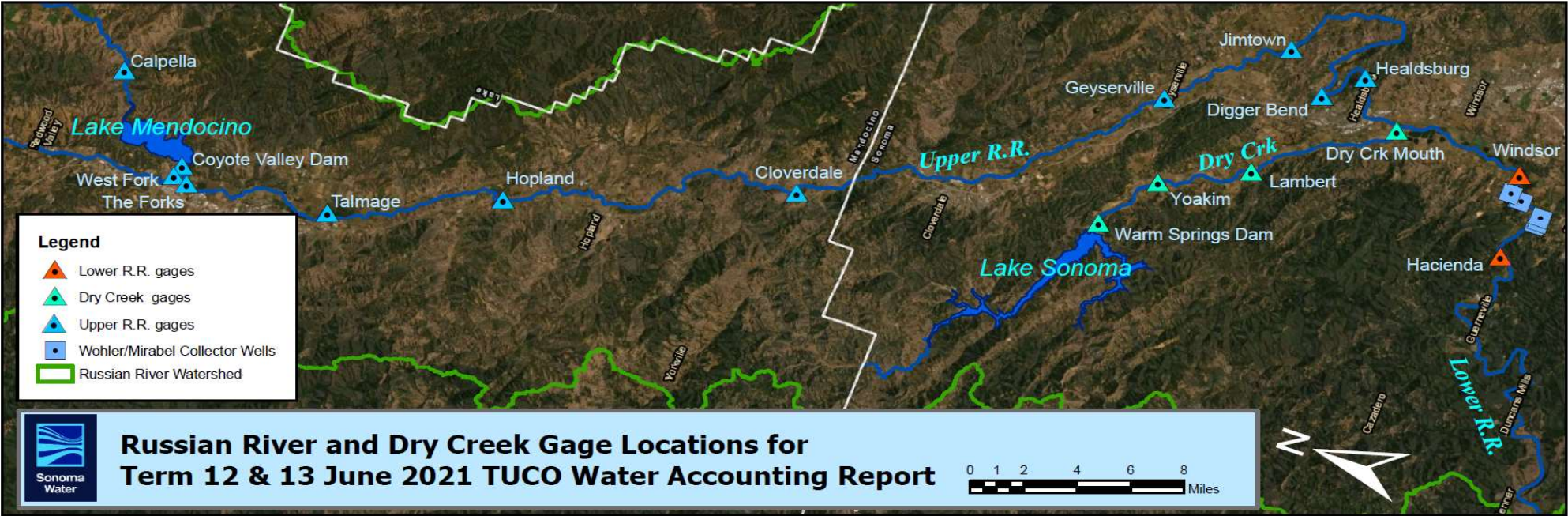
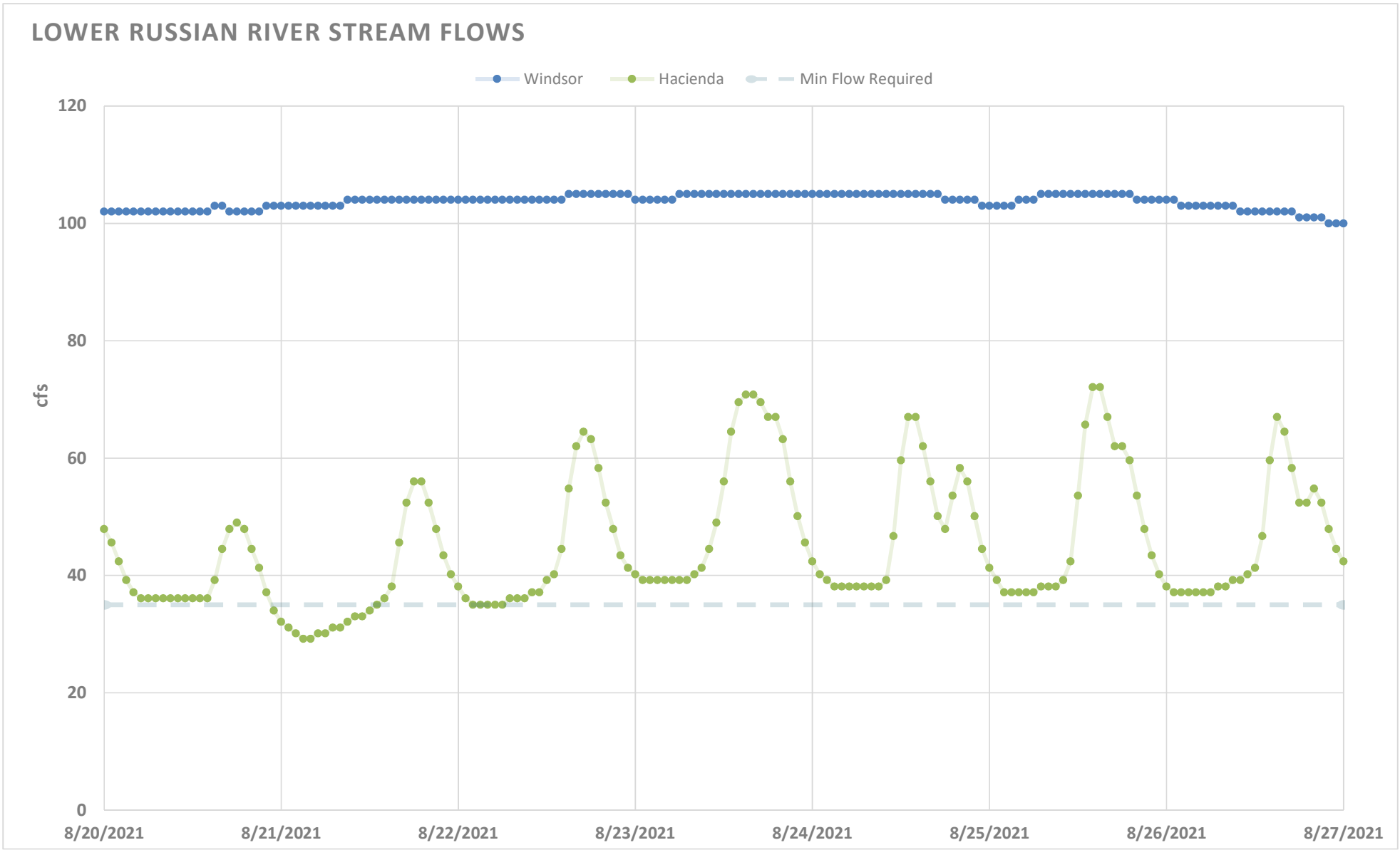
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LOWER RUSSIAN RIVER NET REACH GAINS (+) / LOSSES (-)



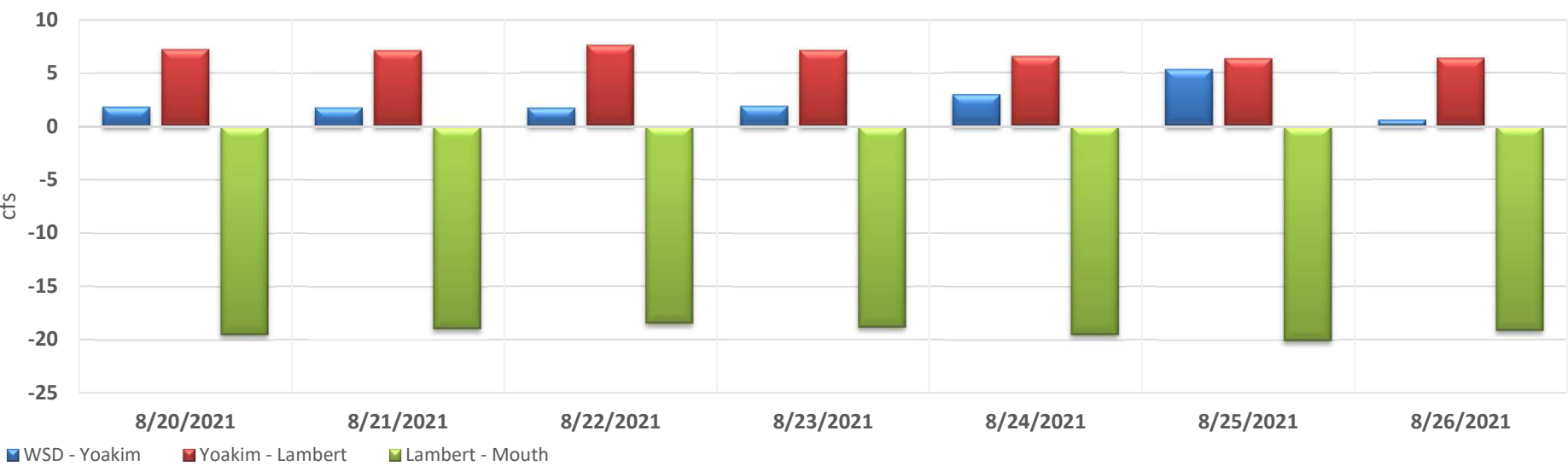
LOWER RUSSIAN RIVER STREAM FLOWS



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



DRY CREEK STREAM FLOWS

