

Units are cfs unless noted otherwise

	12/24/2021	12/25/2021	12/26/2021	12/27/2021	12/28/2021	12/29/2021	12/30/2021
I. Upper East Fork Reach							
Potter Valley Project							
Tunnel Diversion	44.0	44.0	44.0	45.0	44.0	45.0	45.0
PVID Requested Delivery	5.0	5.0	5.0	5.0	5.0	5.0	5.0
PVID Canals Actual Delivery	0.2	1.0	2.0	2.0	2.0	2.0	2.0
East Fork Release	44.0	43.0	42.0	43.0	42.0	43.0	43.0
PVID E Fork Diversions	4.8	4.0	3.0	3.0	3.0	3.0	3.0
PVID Water Use - PG&E Contract	5.0	5.0	5.0	5.0	5.0	5.0	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 (Import)	39.2	39.0	39.0	40.0	39.0	40.0	40.0
PVID Canal Net Return Flow (assumed)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
East Fork / Potter Valley Reach Analysis							
USGS E Fork @ Calpella	564.9	1,741.4	751.8	1,277.7	508.6	574.1	330.9
Net Reach Loss(-)/Gain(+)	+520.9	+1,697.4	+707.8	+1,232.7	+464.6	+529.1	+285.9
Unimpaired Natural Flow @ Calpella (est.)	525.9	1,702.4	712.8	1,237.7	469.6	534.1	290.9
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)	1,122	3,189	1,464	2,403	1,012	1,118	639
(cfs)	565	1,608	738	1,211	510	564	322
Natural Flow	526	1,569	699	1,171	471	524	291
Import	39	39	39	40	39	40	31
Storage Change (ac-ft)	+1,061.0	+3,129.0	+1,403.0	+2,342.0	+951.0	+1,059.0	+577.0
(cfs)	+535	+1,578	+707	+1,181	+479	+534	+291
Stored Natural Flow (cfs)	526	1,569	699	1,171	471	524	291
Stored Import Water (cfs)	9	9	8	9	8	10	0
Evaporation (ac-ft)	1.9	2.0	3.0	3.1	3.1	2.1	3.2
RVCWD Diversion (ac-ft)	0	0	0	0	0	0	0
CVD Release Gage	30	29	29	29	29	29	30
Storage (Project Water)	0	0	0	0	0	0	0
Natural Flow	0	0	0	0	0	0	0
Import Water	30	30	30	30	30	29	30
East Fork Min Instream Flow Requirement	25	25	25	25	25	25	25
Compliance Gage	Rvr mi.						
CVD Release	99.9	30	29	29	29	29	30
CVD Project Water Release to Meet Min Flow Requirement							
Total Pass-through Water	30	30	30	30	30	29	30
Project Water Release Required	No	No	No	No	No	No	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			736	1,672	801	1,294	606	657	413
Controlling Gage			Forks	Forks	Forks	Forks	Forks	Forks	Forks
<u>All Compliance Gages</u>			<u>Rvr mi.</u>						
Forks	(CVD + USGS 11461000)	99.0	736	1,672	801	1,294	606	657	413
Talmage	(USGS 11462080)	96.1	1,204	2,480	1,457	2,150	1,178	1,272	837
Hopland	(USGS 11462500)	84.8	1,505	3,089	1,988	2,679	1,590	1,572	1,086
Cloverdale	(USGS 11463000)	70.9	2,700	3,746	3,516	3,692	2,880	2,515	2,007
Geyserville	(USGS 11463500)	54.4	3,870	4,212	4,974	4,528	4,203	3,490	3,086
Jimtown	(USGS 11463682)	48.5	3,455	3,465	4,970	4,003	3,988	2,884	2,580
Digger Bend	(USGS 11463980)	38.2	>400 cfs	>400 cfs	>400 cfs	>400 cfs	>400 cfs	>400 cfs	>400 cfs
Healdsburg	(USGS 11464000)	35.6	4,818	4,508	6,048	4,885	4,975	3,709	3,328
<u>Net Reach Loss(-)/Gain(+)</u>									
Forks - Talmage			+439	+867	+604	+873	+536	+608	+402
Talmage - Hopland			+252	+695	+459	+572	+360	+301	+218
Hopland - Cloverdale			+1,010	+1,035	+1,220	+1,169	+1,094	+967	+831
Cloverdale - Jimtown			+355	+533	+822	+709	+581	+435	+318
Jimtown - Digger Bend			n/d	n/d	n/d	n/d	n/d	n/d	n/d
Digger Bend - Healdsburg <i>*when Digger Bend > 400 cfs, next u/s gage (Jimtown) used</i>			+1,279	+1,281	+916	+981	+832	+820	+687
Upper Russian Net Reach Loss/Gain			+3,336	+4,411	+4,021	+4,305	+3,402	+3,131	+2,456
<u>CVD Project Water Release to Meet Min Flow Requirement</u>									
Net Reach Loss(-)/Gain(+) to Controlling Gage			+0	+0	+0	+0	+0	+0	+0
Storage (Project Water)			0	0	0	0	0	0	0
Pass-through Water (Nat. + Imp.) + Natural			0	0	0	0	0	0	0
Total Pass-through Water			30	30	30	30	30	29	30
Project Water Release Required			No	No	No	No	No	No	No

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).

	12/24/2021	12/25/2021	12/26/2021	12/27/2021	12/28/2021	12/29/2021	12/30/2021
IV. Lake Sonoma							
Lake Sonoma							
Storage Change (ac-ft)	+1,452.0	+2,343.0	+1,607.0	+1,930.0	+1,339.0	+1,293.0	+853.0
(cfs)	+732	+1,181	+810	+973	+675	+652	+430
Evaporation (ac-ft)	4.1	2.8	2.8	2.8	2.8	2.9	4.3
Inflow (Natural Flow)	810	1,259	888	1,051	753	730	509
WSD Release Gage	76	77	76	77	77	77	77
Storage (Project Water)	0	0	0	0	0	0	0
Natural Flow	76	77	76	77	77	77	77

V. Lower Dry Creek Reach

Minimum Instream Flow Requirement		75	75	75	75	75	75
Controlling Compliance Gage							
Min Gage Flow		76	77	76	77	77	77
Controlling Gage		WSD Release	WSD Release	WSD Release	WSD Release	WSD Release	WSD Release
All Compliance Gages		<i>Crk mi.</i>					
WSD Release	<i>14.3</i>	76	77	76	77	77	77
Yoakim (USGS 11465200)	<i>11.1</i>	211	243	226	250	215	186
Lambert (USGS 11465240)	<i>6.8</i>	247	278	265	289	256	223
Dry Crk Mouth (USGS 11465350)	<i>0.1</i>	1,270	1,210	1,520	1,310	1,310	1,040
WSD to Russian River Confluence Reach Analysis							
Total Pass-through Water		76	77	76	77	77	77
Net Reach Loss(-)/Gain(+)							
WSD - Yoakim		+135	+165	+152	+173	+139	+138
Yoakim - Lambert		+33	+40	+35	+40	+39	+40
Lambert - Dry Crk Mouth		+1,014	+939	+1,253	+1,026	+1,057	+785
WSD - Dry Crk Mouth		+1,182	+1,144	+1,440	+1,240	+1,234	+964
WSD Project Water Release to Meet Min Flow Requirement							
Net Reach Loss/Gain to Controlling Gage		+135	+165	+152	+173	+139	+138
Project Water Release Required		No	No	No	No	No	No

VI. Russian River - Dry Creek Confluence

Upper Russian River Flow (Healdsburg Gage)							
L. Mendocino Project Water + Import Water		30	30	30	30	30	29
Natural Flow		3,336	4,411	4,021	4,305	3,402	3,131
Dry Creek Flow (Mouth Gage)							
L. Sonoma Project Water		0	0	0	0	0	0
Natural Flow		1,270	1,210	1,520	1,310	1,310	1,040
Russian River d/s of Confluence Flow		6,088	5,718	7,568	6,195	6,285	4,749
L. Mendocino Project Water + Import Water		30	30	30	30	30	29
L. Sonoma Project Water		0	0	0	0	0	0
Natural Flow		4,606	5,621	5,541	5,615	4,712	4,171

VII. Lower Russian River Reach

Minimum Instream Flow Requirement		-	-	-	-	-	-
Controlling Compliance Gage							
Min Gage Flow		8,950	8,220	9,170	8,290	7,980	6,420
Controlling Gage		Hacienda	Hacienda	Hacienda	Hacienda	Hacienda	Hacienda
All Compliance Gages		<i>Rvr mi.</i>					
Windsor (USGS 11465390)	<i>26.6</i>	<i>n/d</i>	<i>n/d</i>	<i>n/d</i>	<i>n/d</i>	<i>n/d</i>	<i>n/d</i>
Hacienda (USGS 11467000)	<i>21.8</i>	8,950	8,220	9,170	8,290	7,980	6,420
Confluence to Windsor Reach Analysis							
Net Reach Loss/Gain to Windsor Gage		-	-	-	-	-	-
L. Mendocino Project Water + Import Water		-	-	-	-	-	-
L. Sonoma Project Water		-	-	-	-	-	-
Natural Flow		-	-	-	-	-	-
Confluence to SCWA Wohler Production Facility Reach Analysis							
Approx. Flow u/s of Wohler		9,005	8,266	9,216	8,337	8,043	6,469
Net Reach Loss(-)/Gain(+)		+2,917	+2,548	+1,648	+2,142	+1,758	+1,719
L. Mendocino Project Water + Import Water		30	30	30	30	30	29
L. Sonoma Project Water		0	0	0	0	0	0
Natural Flow		7,523	8,169	7,188	7,758	6,470	5,890
Confluence to Hacienda (Guerneville) Reach Analysis							
Net Reach Loss(-)/Gain(+)		+2,862	+2,502	+1,602	+2,095	+1,695	+1,671
L. Mendocino Project Water + Import Water		30	30	30	30	30	29
L. Sonoma Project Water		0	0	0	0	0	0
Natural Flow		7,468	8,124	7,142	7,710	6,407	5,841

VIII. Water Production under Sonoma Water Water Rights (ac-ft)

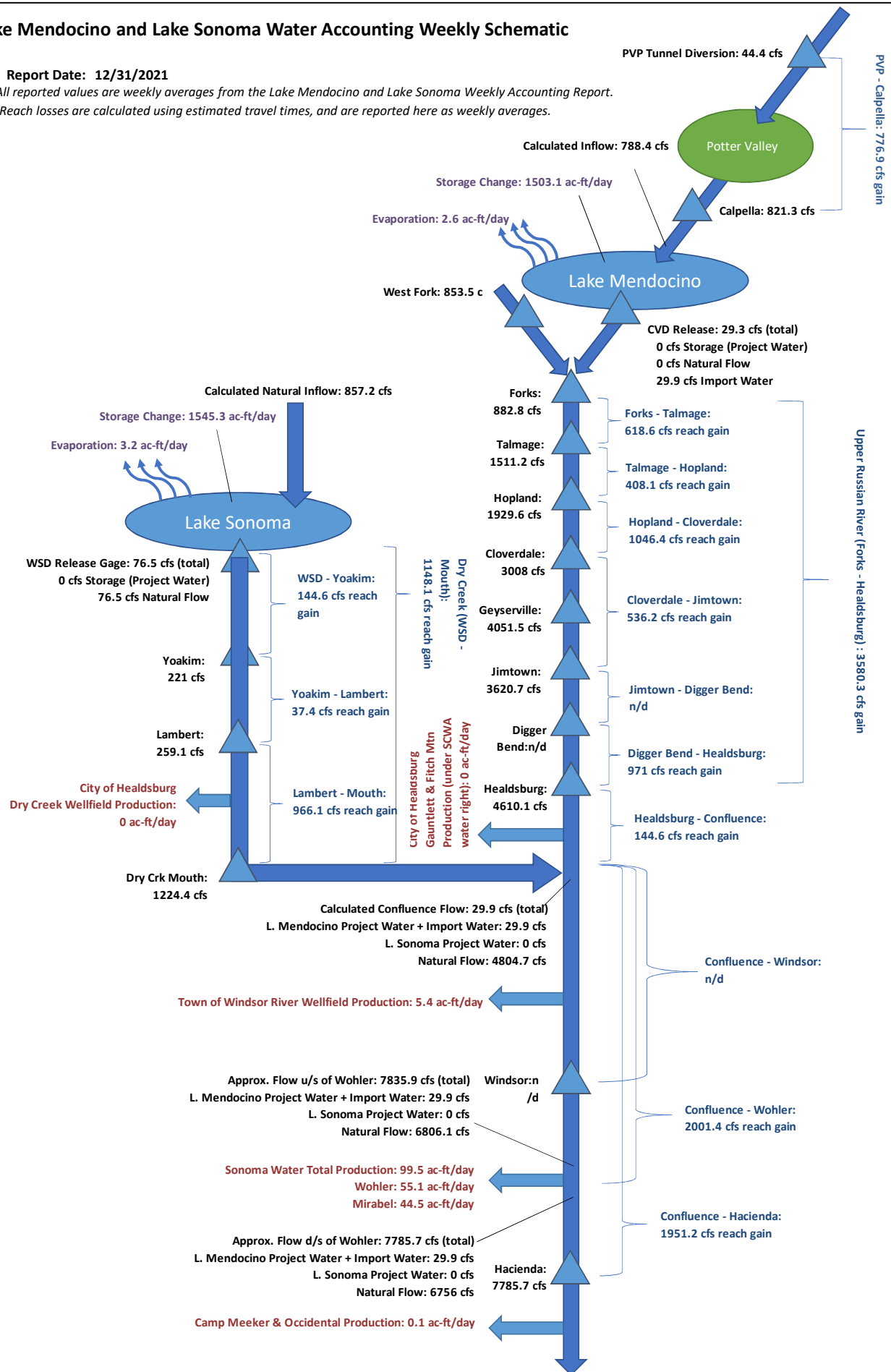
Lower Russian River							
Sonoma Water Total		108.5	91.0	91.1	93.3	125.1	91.2
Wohler		64.8	45.4	46.9	48.5	82.2	45.8
Mirabel		43.7	45.6	44.2	44.8	42.9	44.6
Town of Windsor River Wellfield		5.1	5.3	5.2	6.1	5.0	6.1
Camp Meeker & Occidental		<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>
Upper Russian River							
City of Healdsburg							
Gauntlett & Fitch Mtn		0.0	0.0	0.0	0.0	0.0	0.0
Dry Creek							
City of Healdsburg							
Dry Creek Wellfield		0.0	0.0	0.0	0.0	0.0	0.0

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

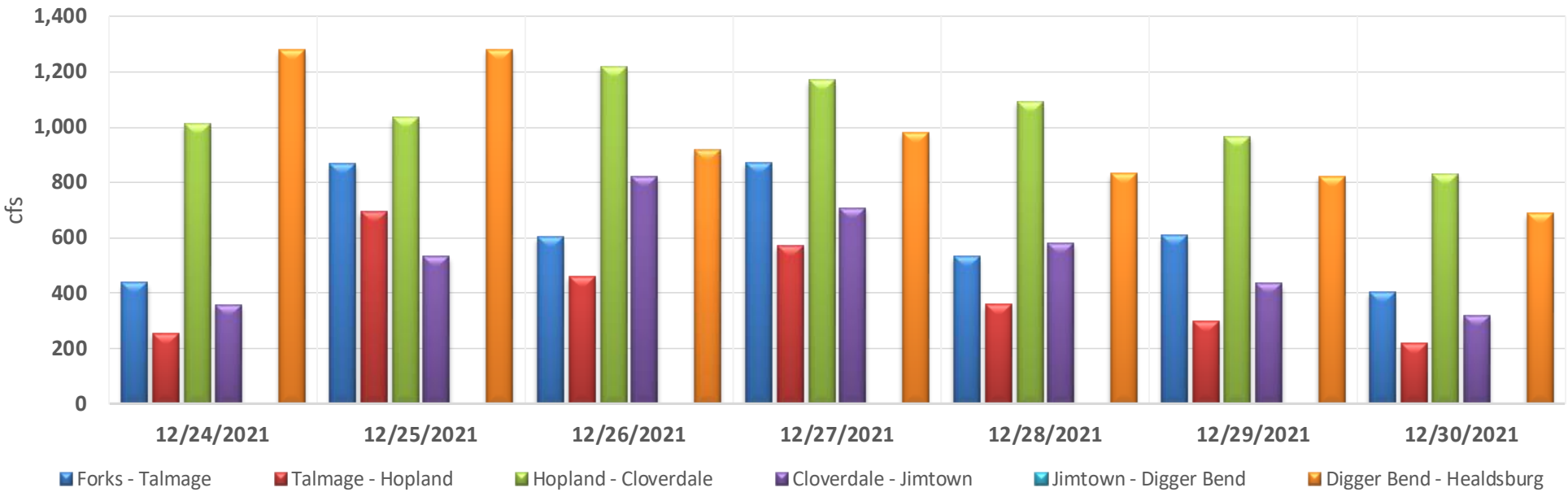
Lake Mendocino and Lake Sonoma Water Accounting Weekly Schematic

Report Date: 12/31/2021

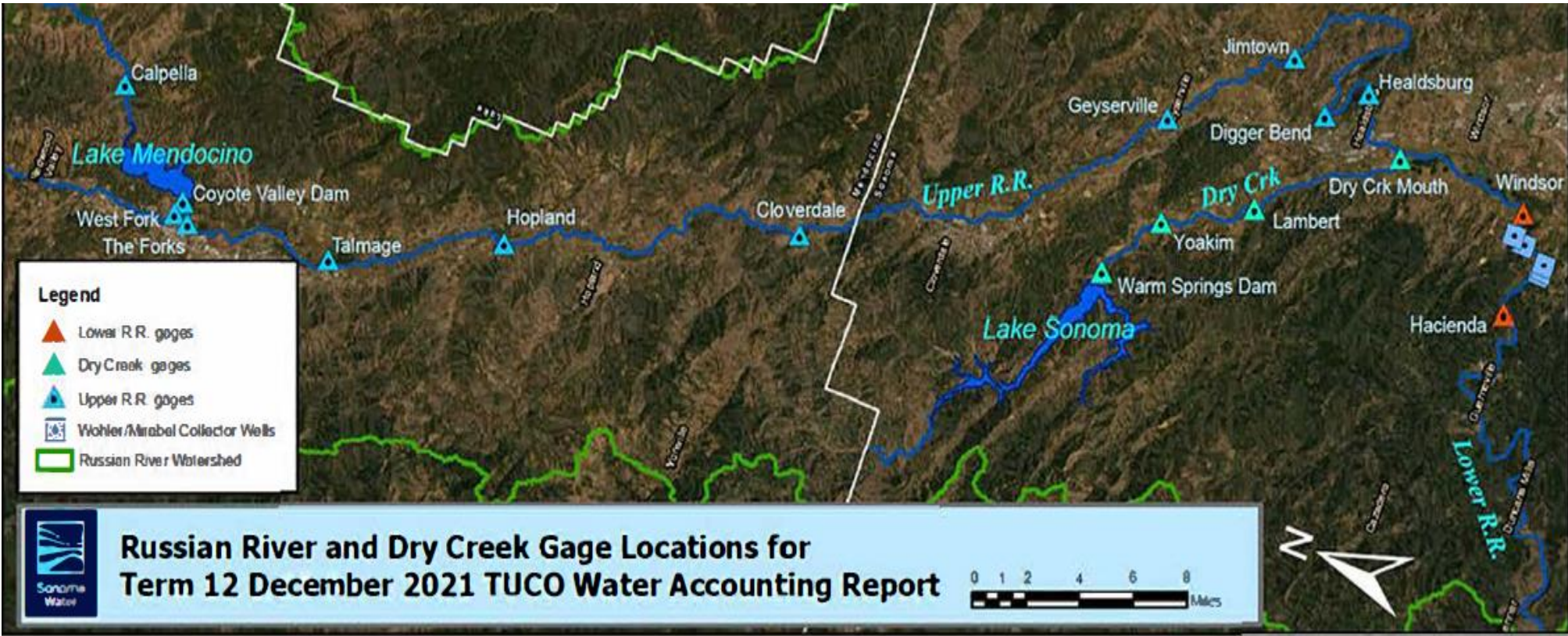
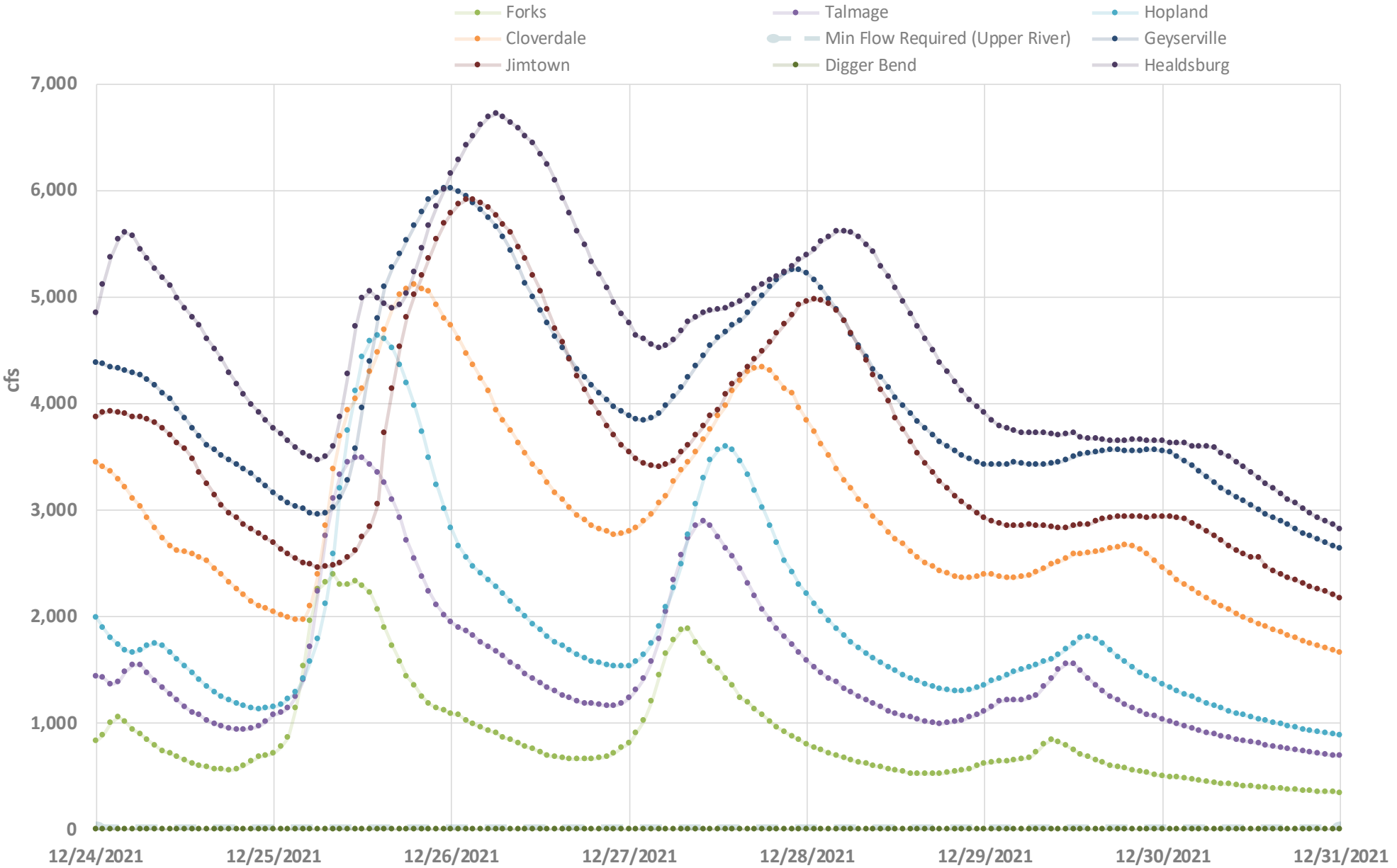
All reported values are weekly averages from the Lake Mendocino and Lake Sonoma Weekly Accounting Report.
Reach losses are calculated using estimated travel times, and are reported here as weekly averages.



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

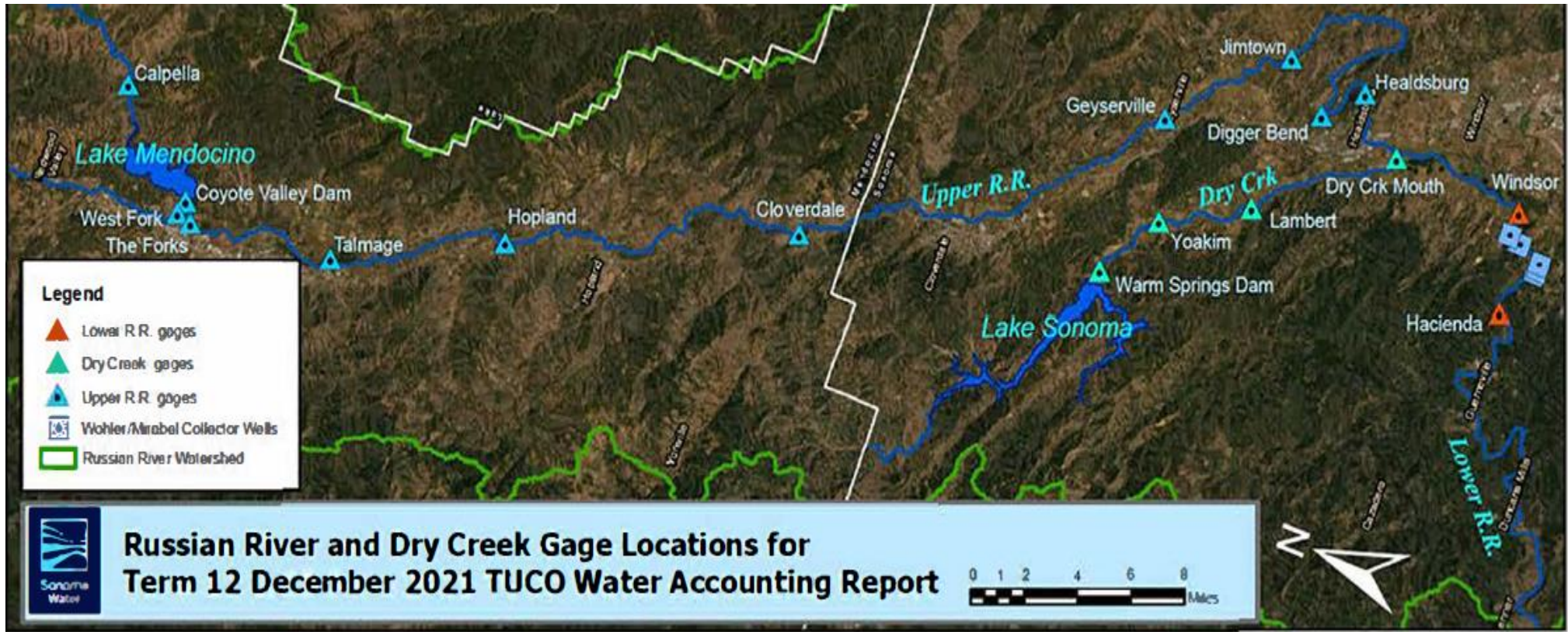
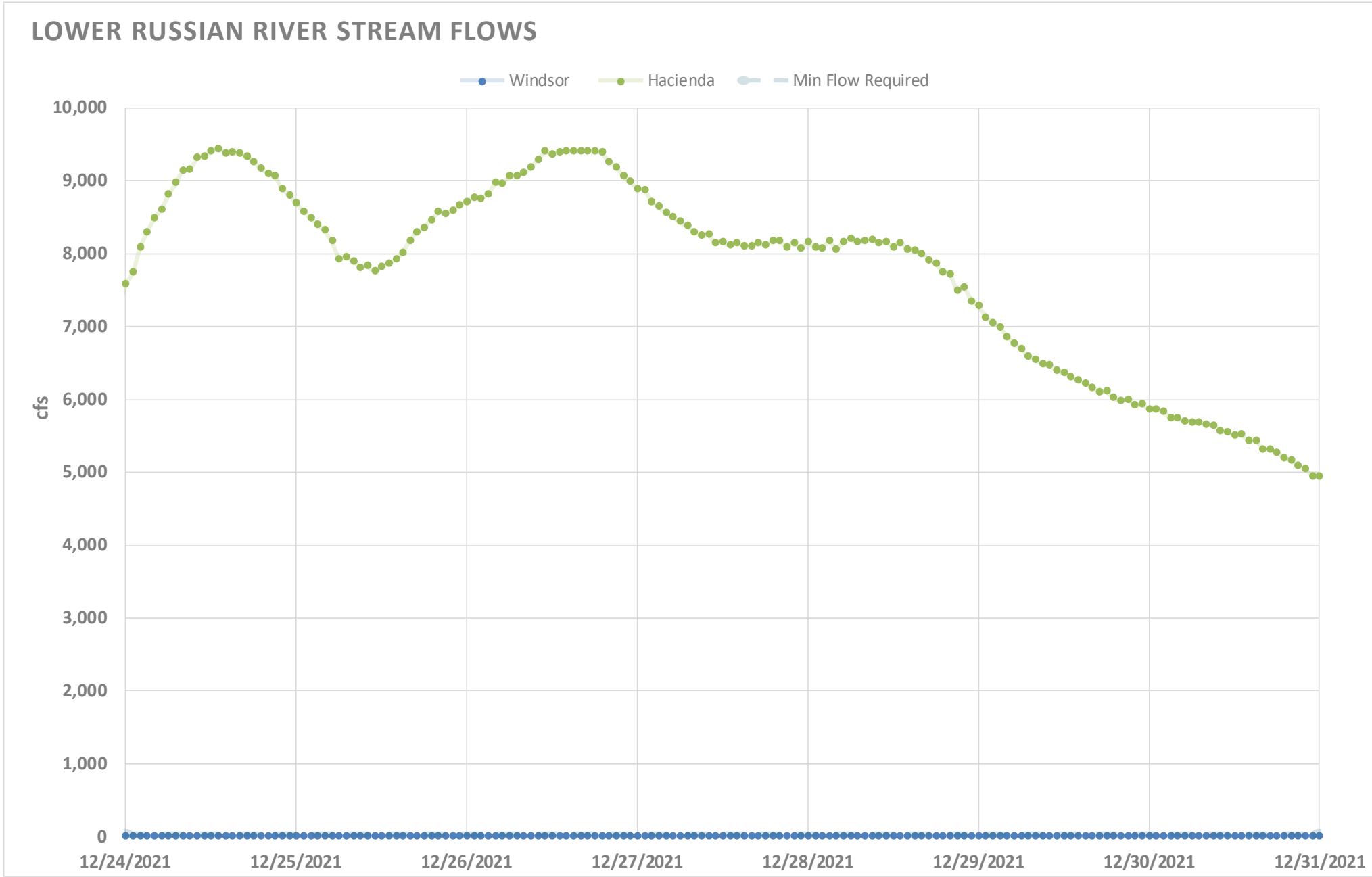


UPPER RUSSIAN RIVER STREAM FLOWS

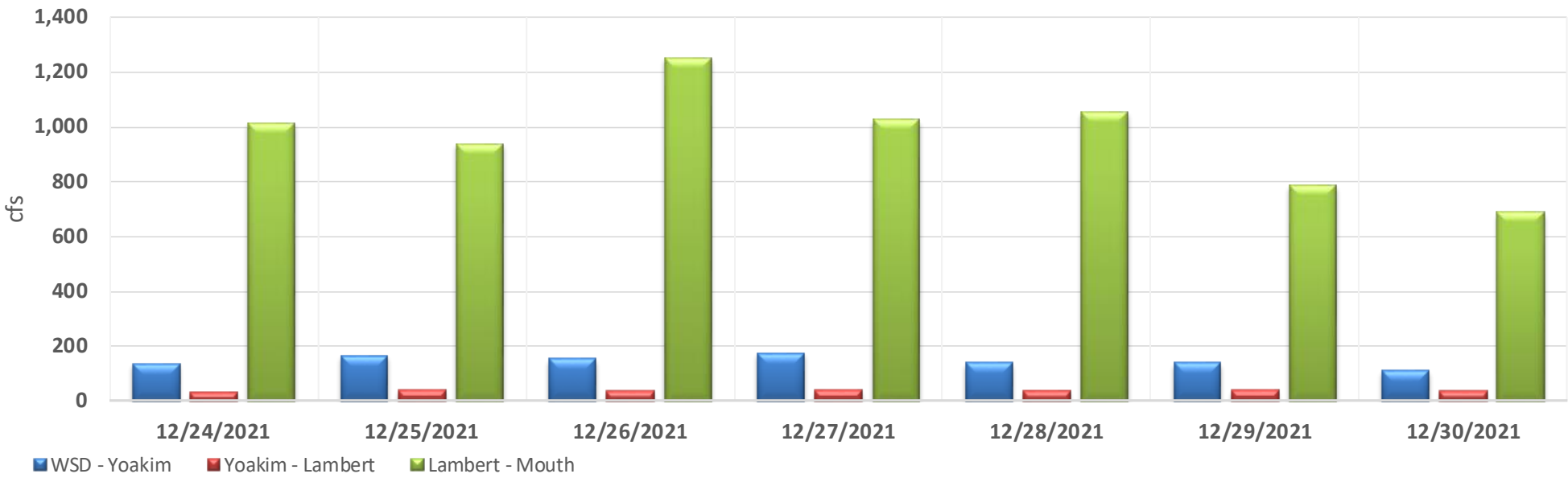




Note: Windsor gage is a seasonal gage and not operational. Reach gains for Windsor – Hacienda reach calculated with Healdsburg gages as upstream gages



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



DRY CREEK STREAM FLOWS

