Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 7, October 2024 TUCO)

Report Date: 4/11/2025

Units are cfs unless noted otherwise

			4/4/2025	4/5/2025	4/6/2025	4/7/2025	4/8/2025	4/9/2025	4/10/2025
I. Upper East Fork Reach									
Potter Valley Project									
Tunnel Diversion			45.0	45.0	45.0	45.0	45.0	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			1.6	1.5	1.4	1.7	1.6	1.6	1.6
East Fork Release			43.0	43.0	44.0	43.0	43.0	43.0	43.0
PVID E Fork Diversions			3.4	3.5	3.6	3.3	3.4	3.4	3.5
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)			39.6	39.5	40.4	39.7	39.6	39.6	39.6
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			345.7	277.5	235.0	285.1	218.7	188.5	166.6
Net Reach Loss(-)/Gain(+)			+300.7	+232.5	+190.0	+240.1	+173.7	+143.5	+121.6
Unimpaired Natural Flow @ Calpella (est.)			114.0	88.2	72.8	78.8	67.6	58.3	57.1
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			0.0	0.0	0.0	0.0	0.0	0.0	0.0
II. Lake Mendocino									
Reservoir Operations									
Calculated Inflow (ac-ft)			650	574	533	567	462	414	376
(cfs)			328	289	269	286	233	209	189
Natural Flow			288	249	229	246	193	169	149
Import			40	40	40	40	40	40	40
Storage Change (ac-ft)			+357.0	+304.0	+268.0	+304.0	+197.0	+143.0	+107.0
(cfs)			+180	+153	+135	+153	+99	+72	+54
Stored Natural Flow (cfs)			180	153	135	153	99	72	54
Stored Import Water (cfs)			0	0	0	0	0	0	0
Evaporation (ac-ft)			18.0	20.0	17.0	13.0	17.1	21.1	19.1
RVCWD Diversion (ac-ft)			0	0	0	0	0	0	0
CVD Release Gage			139	126	125	126	125	126	126
Storage (Project Water)			0	0	0	0	0	0	0
Natural Flow			103	91	89	89	89	91	91
Import Water			35	35	36	37	36	35	35
East Fork Min Instream Flow Requirement			25	25	25	25	25	25	25
Compliance Gage		*Rvr mi.*							
CVD Release		*99.9*	139	126	125	126	125	126	126
CVD Project Water Release to Meet Min Flow Requirement									
Total Pass-through Water			139	126	125	126	125	126	126
Project Water Release Required			No	No	No	No	No	No	No
III. Upper Russian River Reach									
Minimum Instream Flow Requirement			185	185	185	185	185	185	185
Controlling Compliance Gage									
Min Gage Flow			446	361	317	332	303	278	273
Controlling Gage			Forks	Forks	Forks	Forks	Forks	Forks	Forks
All Compliance Gages		*Rvr mi.*							
Forks	(CVD + USGS 11461000)	*99.0*	446	361	317	332	303	278	273
Talmage	(USGS 11462080)	*96.1*	762	614	533	536	477	433	397
Hopland	(USGS 11462500)	*84.8*	1,008	812	704	684	621	566	519
Cloverdale	(USGS 11463000)	*70.9*	1,576	1,261	1,075	1,001	910	820	749
Geyserville	(USGS 11463500)	*54.4*	2,319	1,854	1,598	1,473	1,358	1,219	1,087
Jimtown	(USGS 11463682)	*48.5*	2,215	1,820	1,583	1,452	1,361	1,248	1,162
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*	2,812	2,264	1,926	1,728	1,600	1,440	1,307
Net Reach Loss(-)/Gain(+)									
Forks - Talmage			+300	+246	+212	+206	+169	+153	+126
Talmage - Hopland			+221	+185	+164	+148	+138	+128	+118
Hopland - Cloverdale			+509	+419	+352	+315	+275	+243	+221
Cloverdale - Jimtown			+501	+471	+455	+439	+411	+402	+390
Jimtown - Digger Bend			n/d	n/d	n/d	n/d	n/d	n/d	n/d
Digger Bend - Healdsburg **when Digger Bend > 400 cfs, next u/s gage (Jimtown) used*			+531	+405	+318	+266	+224	+179	+135
Upper Russian Net Reach Loss/Gain			+2,061	+1,727	+1,501	+1,375	+1,217	+1,105	+990
CVD Project Water Release to Meet Min Flow Requirement									
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			139	126	125	126	125	126	126
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).

			4/4/2025	4/5/2025	4/6/2025	4/7/2025	4/8/2025	4/9/2025	4/10/2025
IV. Lake Sonoma									
Lake Sonoma									
Storage Change (ac-ft)			-28.0	-168.0	-279.0	-168.0	-335.0	-390.0	-195.0
(cfs)			-14	-85	-141	-85	-169	-197	-98
Evaporation (ac-ft)			23.5	23.5	18.8	18.8	21.9	23.4	18.7
Inflow (Natural Flow)			495	422	366	426	343	316	246
WSD Release Gage			497	495	497	501	501	501	335
Storage (Project Water)			2	73	131	75	158	185	89
Natural Flow			495	422	366	426	343	316	246
V. Lower Dry Creek Reach									
Minimum Instream Flow Requirement			75	75	75	75	75	75	75
Controlling Compliance Gage									
Min Gage Flow			497	495	497	501	501	500	335
Controlling Gage			WSD Release	WSD Release	WSD Release	WSD Release	WSD Release	Lambert	WSD Release
All Compliance Gages		*Crk mi.*							
WSD Release		*14.3*	497	495	497	501	501	501	335
Yoakim	(USGS 11465200)	*11.1*	610	574	562	548	525	513	389
Lambert	(USGS 11465240)	*6.8*	531	525	517	515	507	500	409
Dry Crk Mouth	(USGS 11465350)	*0.1*	559	564	562	560	548	544	478
WSD to Russian River Confluence Reach Analysis									
Total Pass-through Water			495	422	366	426	343	316	246
Net Reach Loss(-)/Gain(+)									
WSD - Yoakim			+112	+79	+65	+48	+24	+12	+38
Yoakim - Lambert			-80	-51	-45	-34	-19	-13	+11
Lambert - Dry Crk Mouth			+27	+39	+44	+45	+40	+43	+39
WSD - Dry Crk Mouth			+59	+67	+64	+59	+45	+41	+88
WSD Project Water Release to Meet Min Flow Requirement									
Net Reach Loss/Gain to Controlling Gage			+0	+0	+0	+0	+0	-2	+0
Project Water Release Required			No	No	No	No	No	No	No
VI. Russian River - Dry Creek Confluence									
Upper Russian River Flow (Healdsburg Gage)									
L. Mendocino Project Water + Import Water			35	35	36	37	36	35	35
Natural Flow			2,164	1,818	1,591	1,464	1,306	1,197	1,081
Dry Creek Flow (Mouth Gage)									
L. Sonoma Project Water			2	73	131	75	158	185	89
Natural Flow			557	491	431	485	390	359	390
Russian River d/s of Confluence Flow			3,371	2,828	2,488	2,288	2,148	1,984	1,785
L. Mendocino Project Water + Import Water			35	35	36	37	36	35	35
L. Sonoma Project Water			2	73	131	75	158	185	89
Natural Flow			2,721	2,309	2,022	1,949	1,696	1,555	1,470
VII. Lower Russian River Reach									
Minimum Instream Flow Requirement			125	125	125	125	125	125	125
Controlling Compliance Gage									
Min Gage Flow			3,939	3,245	2,815	2,552	2,375	2,162	1,960
Controlling Gage			Hacienda	Hacienda	Hacienda	Hacienda	Hacienda	Hacienda	Hacienda
All Compliance Gages		*Rvr mi.*							
Windsor	(USGS 11465390)	*26.6*	*n/d*	*n/d*	*n/d*	*n/d*	*n/d*	*n/d*	*n/d*
Hacienda	(USGS 11467000)	*21.8*	3,939	3,245	2,815	2,552	2,375	2,162	1,960
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			3,985	3,292	2,850	2,590	2,427	2,209	2,008
Net Reach Loss(-)/Gain(+)			+614	+465	+362	+302	+279	+225	+222
L. Mendocino Project Water + Import Water			35	35	36	37	36	35	35
L. Sonoma Project Water			1	71	130	73	156	183	87
Natural Flow			3,335	2,774	2,384	2,251	1,976	1,781	1,693
Confluence to Hacienda (Guerneville) Reach Analysis									
Net Reach Loss(-)/Gain(+)			+568	+418	+327	+264	+227	+178	+174
L. Mendocino Project Water + Import Water			35	35	36	37	36	35	35
L. Sonoma Project Water			0	24	94	35	104	136	39
Natural Flow			3,289	2,774	2,384	2,251	1,976	1,781	1,693
VIII. Water Production under Sonoma Water Water Rights (ac-ft)									
Lower Russian River									
Sonoma Water Total			90.8	93.4	69.8	75.6	104.2	93.2	95.9
Wohler			27.3	35.6	22.6	5.3	30.5	46.8	57.2
Mirabel			63.5	57.8	47.2	70.3	73.7	46.4	38.7
Town of Windsor River Wellfield			3.3	3.2	3.2	3.5	3.3	3.7	3.7
Camp Meeker & Occidental			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Upper Russian River									
City of Healdsburg									
Gauntlett & Fitch Mtn			0.0	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	0.0

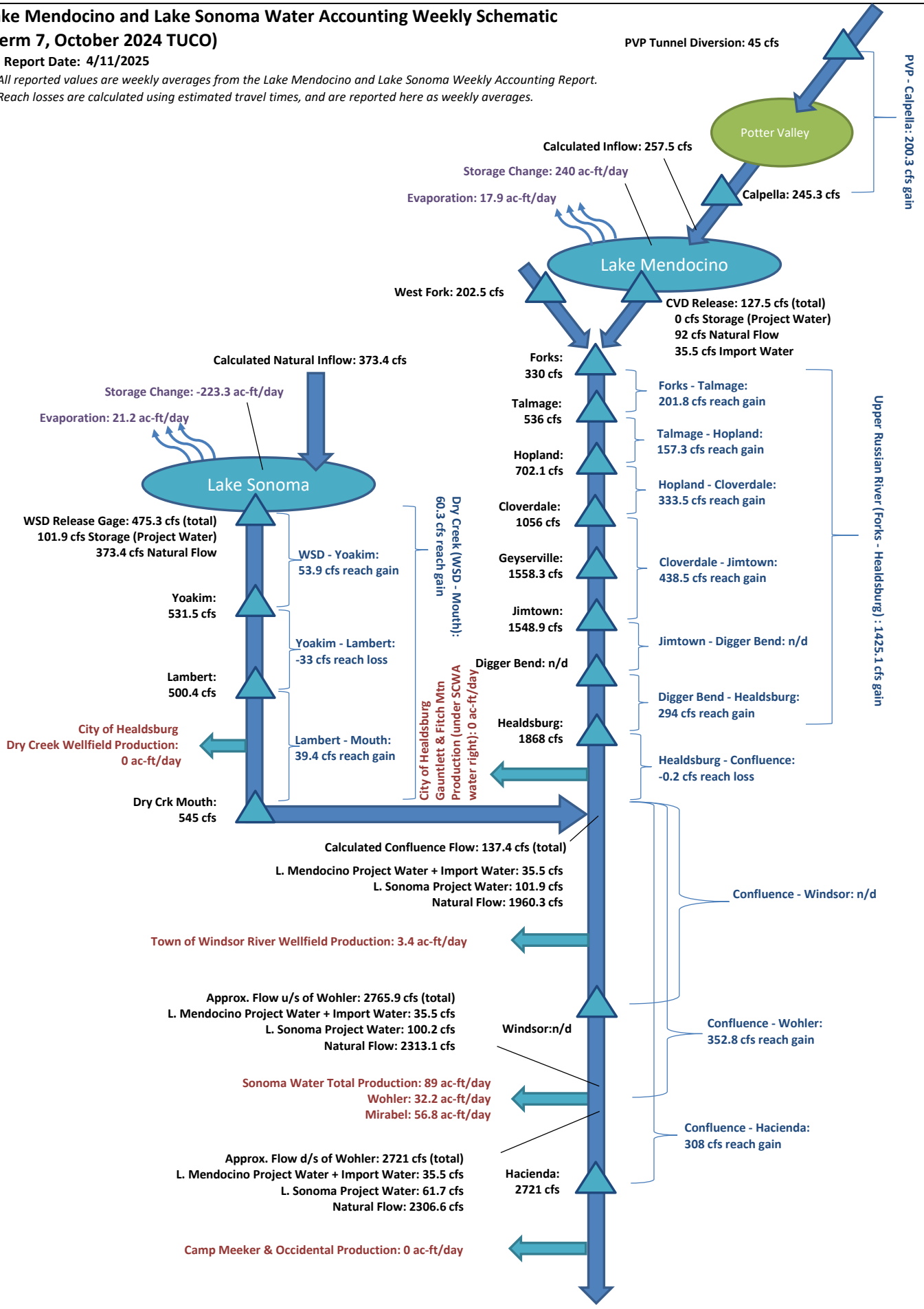
Notes:

- 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 (Term 7, October 2024 TUCO)

Report Date: 4/11/2025

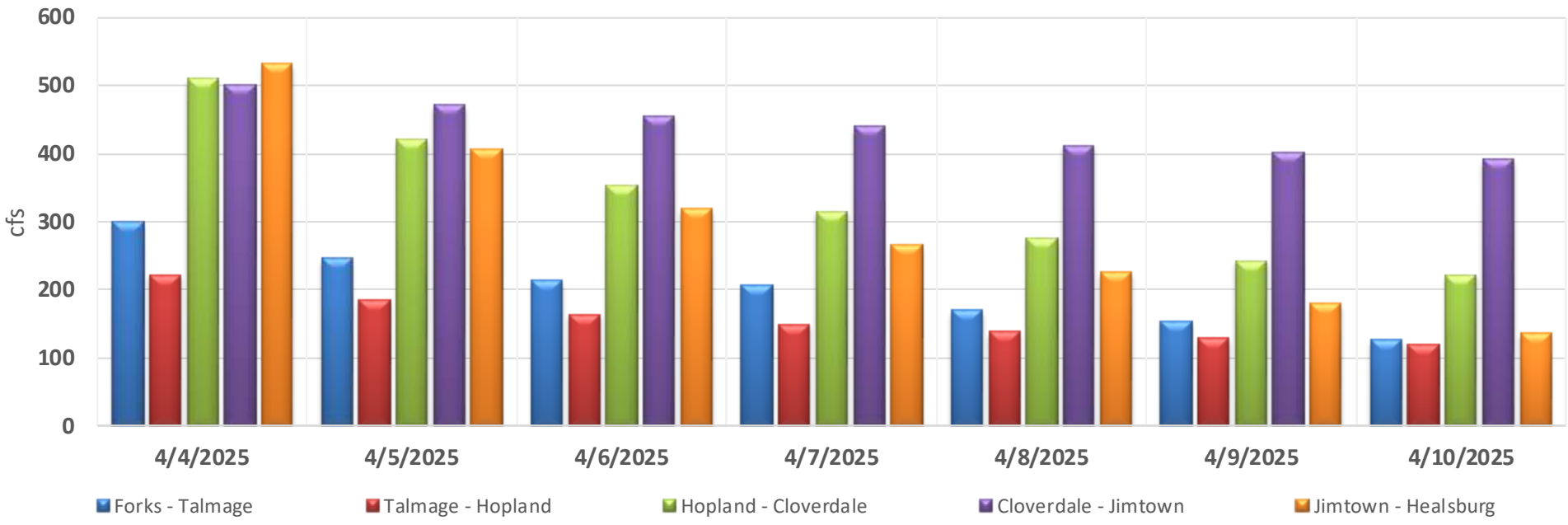
All reported values are weekly averages from the Lake Mendocino and Lake Sonoma Weekly Accounting Report.
Reach losses are calculated using estimated travel times, and are reported here as weekly averages.



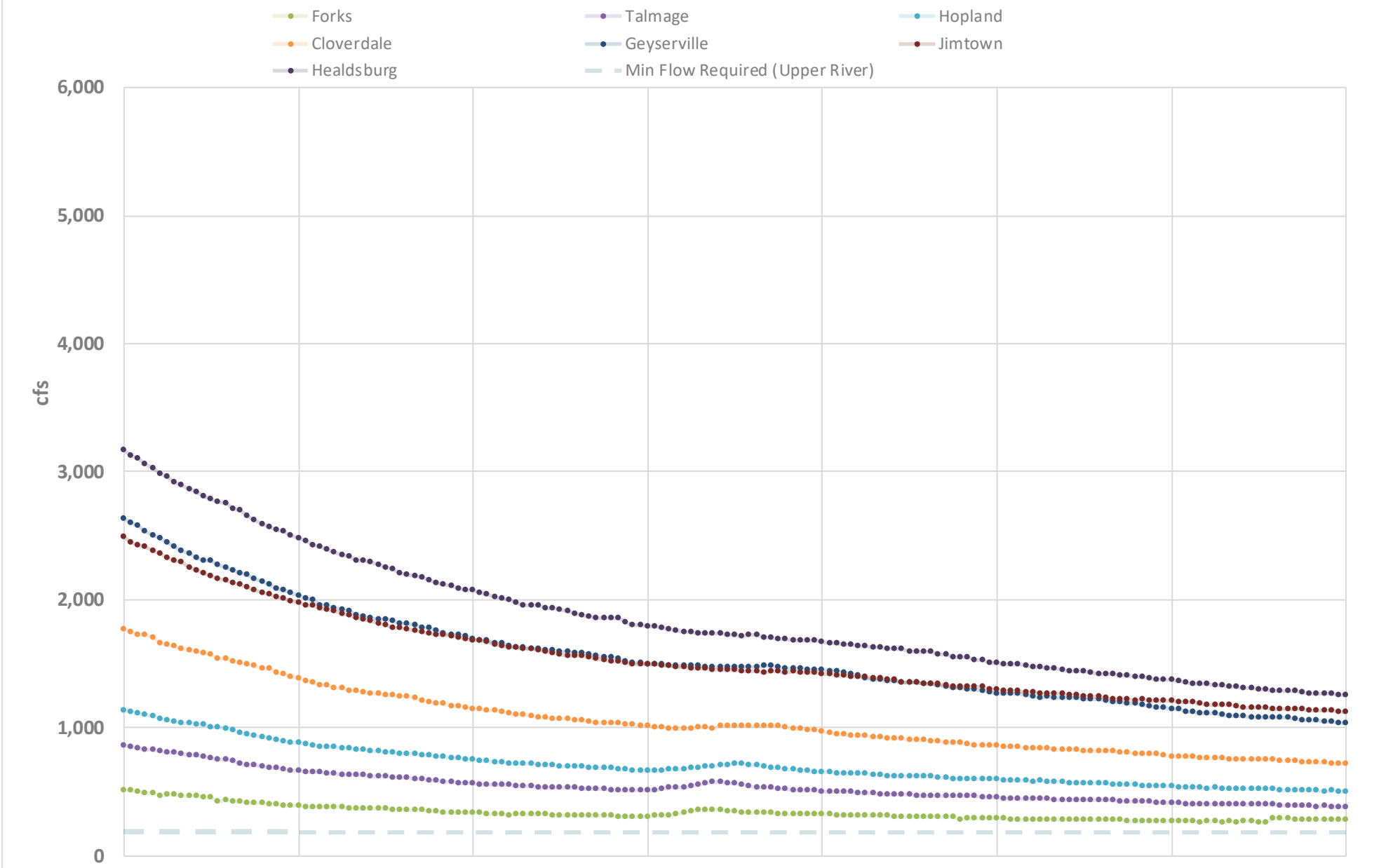
Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 7, October 2024 TUCO)

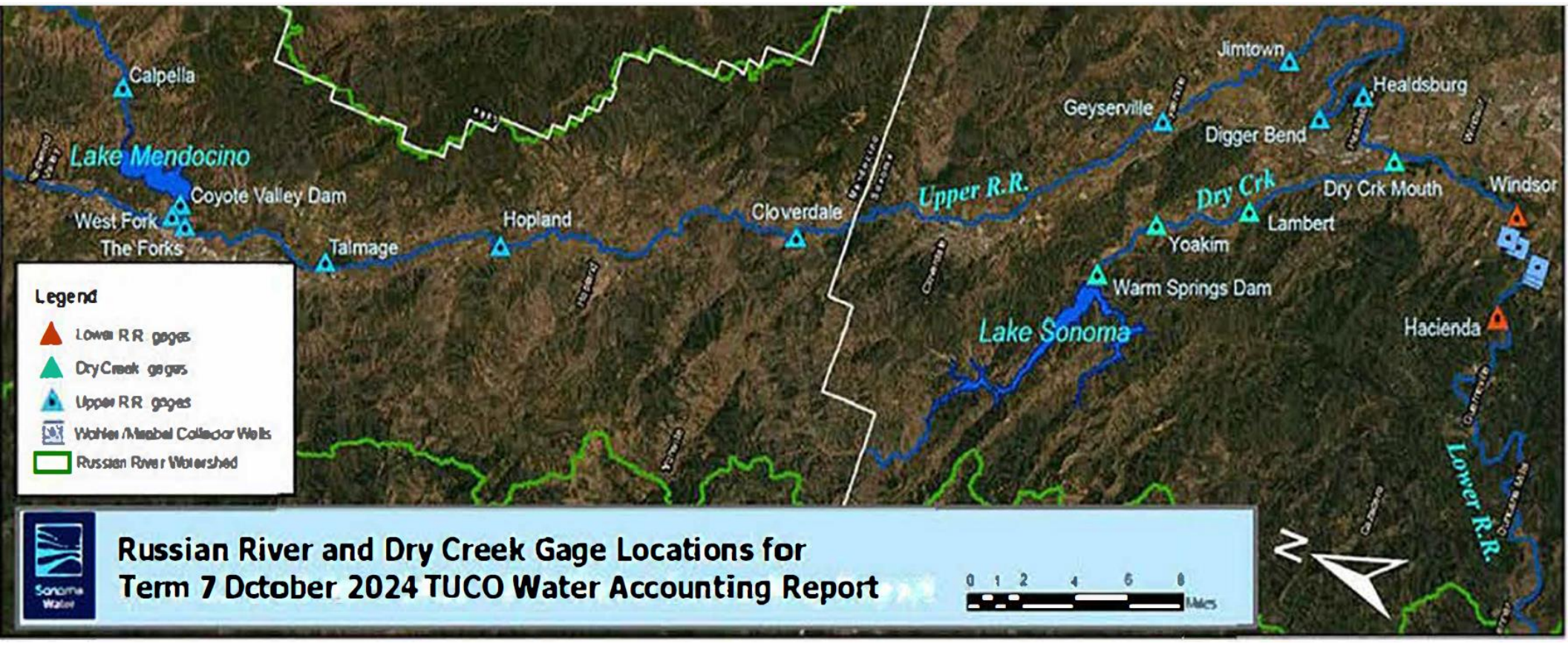
Report Date: 4/11/2025

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



UPPER RUSSIAN RIVER STREAM FLOWS

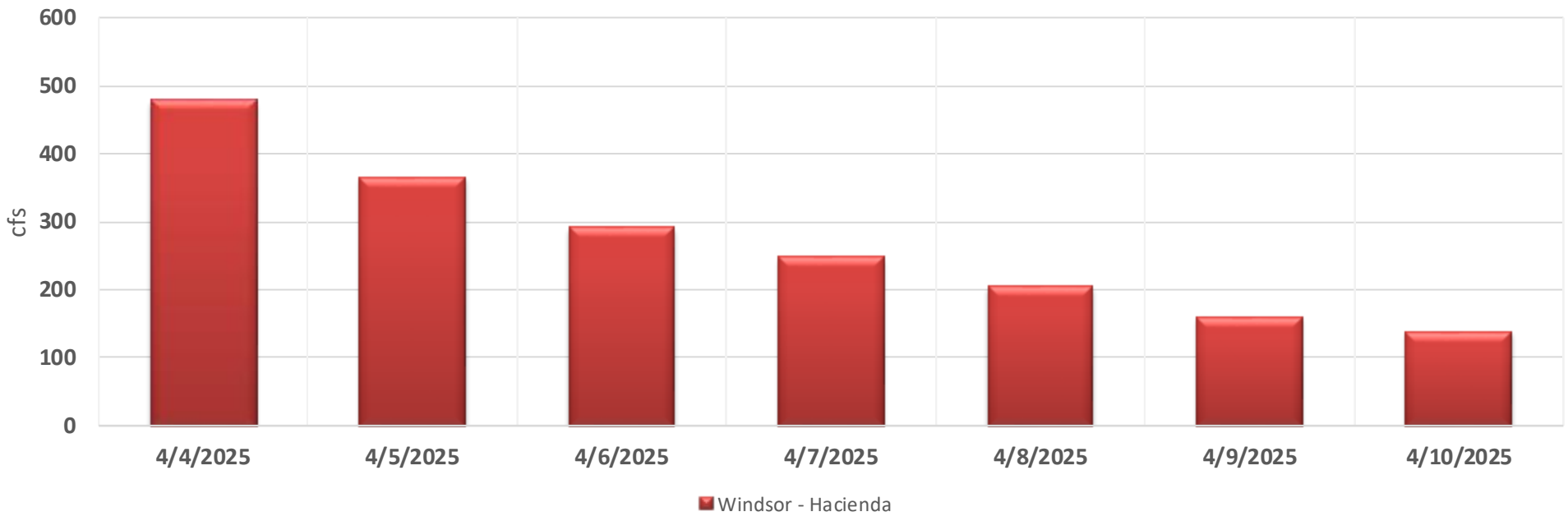




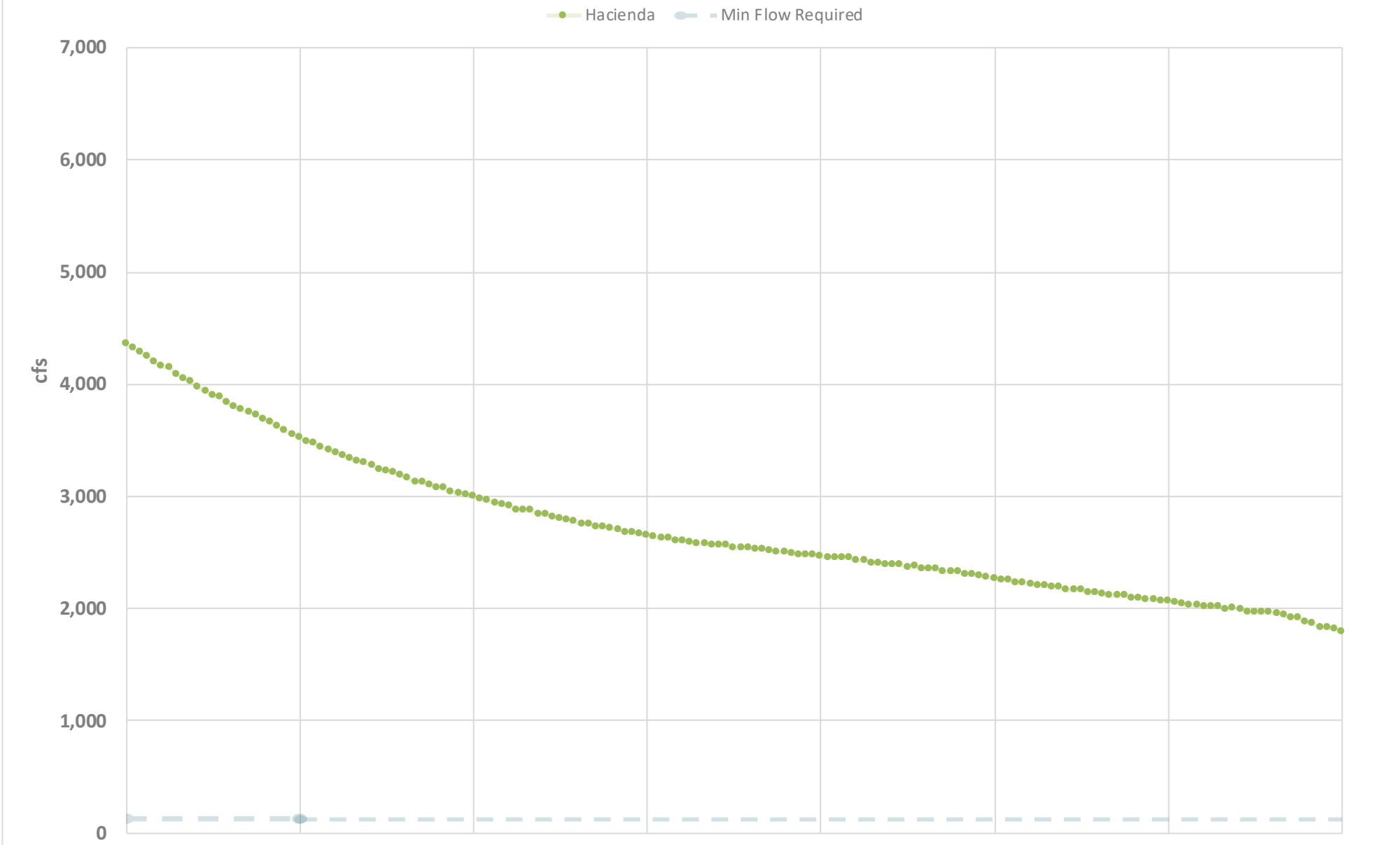
Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 7, October 2024 TUCO)

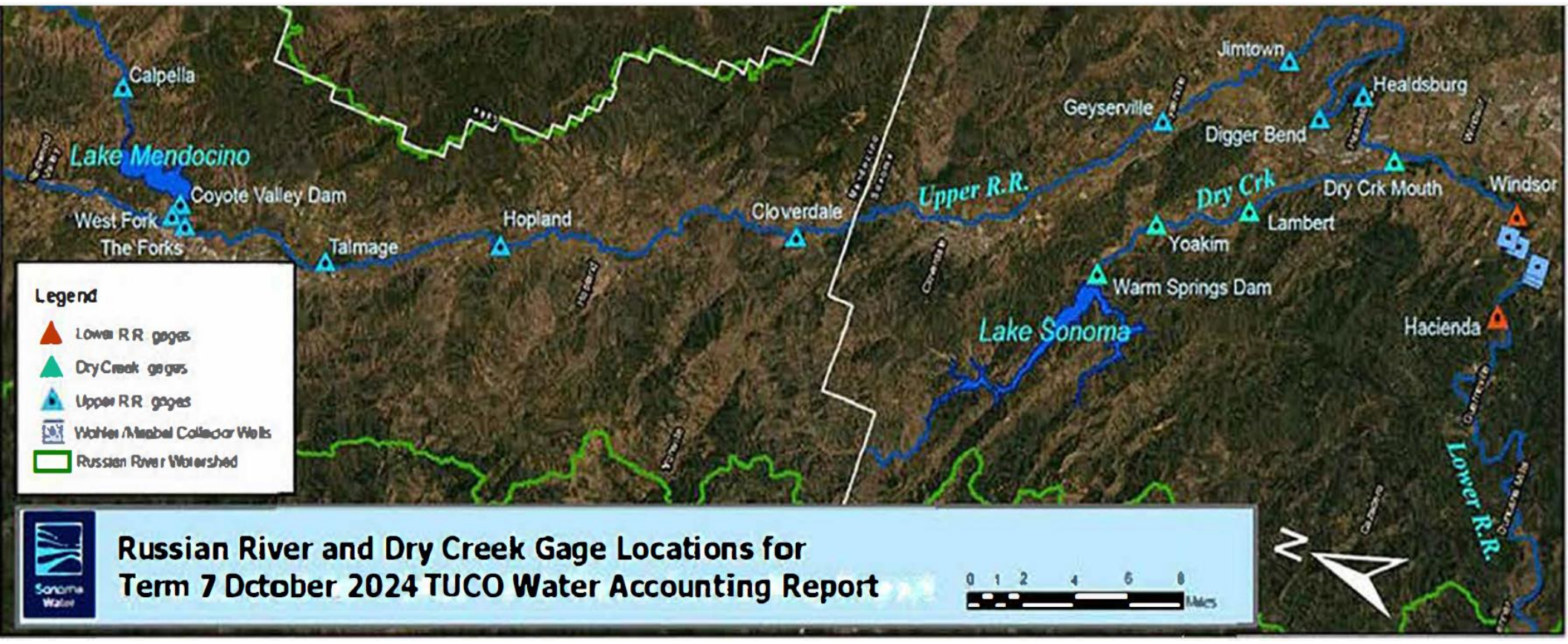
Report Date: 4/11/2025

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



LOWER RUSSIAN RIVER STREAM FLOWS

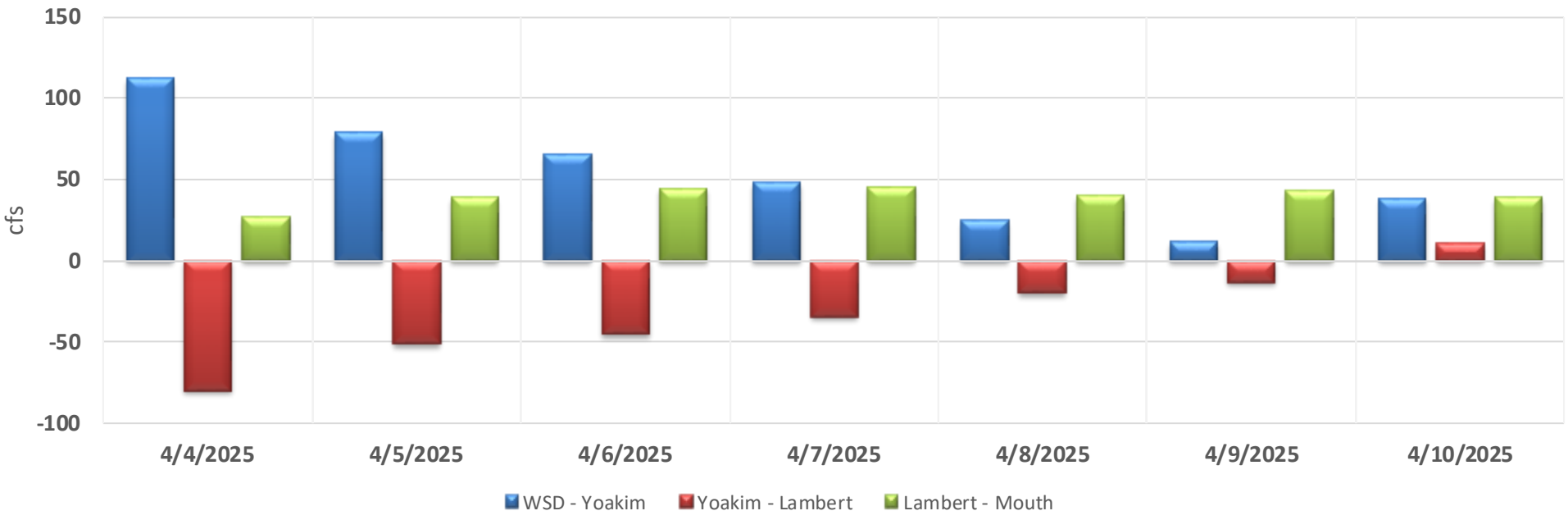




Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 7, October 2024 TUCO)

Report Date: 4/11/2025

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



DRY CREEK STREAM FLOWS