

Units are cfs unless noted otherwise

	4/15/2022	4/16/2022	4/17/2022	4/18/2022	4/19/2022	4/20/2022	4/21/2022
I. Upper East Fork Reach							
Potter Valley Project							
Tunnel Diversion	60.0	57.0	57.0	57.0	53.0	51.0	49.0
PVID Requested Delivery	18.0	18.0	18.0	18.0	12.6	10.0	7.4
PVID Canals Actual Delivery	13.0	13.0	13.0	14.0	11.0	9.0	7.0
East Fork Release	47.0	44.0	44.0	43.0	42.0	42.0	42.0
PVID E Fork Diversions	5.0	5.0	5.0	4.0	1.6	1.0	0.4
PVID Water Use - PG&E Contract	18.0	18.0	18.0	18.0	12.6	10.0	7.4
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)	42.0	39.0	39.0	39.0	40.4	41.0	41.6
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	96.9	173.5	95.1	71.9	95.9	91.5	297.7
Net Reach Loss(-)/Gain(+)	+36.9	+116.5	+38.1	+14.9	+42.9	+40.5	+248.7
Unimpaired Natural Flow @ Calpella (est.)	54.9	134.5	56.1	32.9	55.5	50.5	256.1
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 (neg. value is return flow)	0.0	0.0	0.0	0.0	0.0	0.0	0.0

II. Lake Mendocino

Reservoir Operations							
Calculated Inflow (ac-ft)	243	381	176	194	200	231	602
(cfs)	122	192	89	98	101	117	304
Natural Flow	80	153	56	59	60	76	262
Import	42	39	32	39	40	41	42
Storage Change (ac-ft)	+173.0	+319.0	+116.0	+131.0	+131.0	+160.0	+541.0
(cfs)	+87	+161	+58	+66	+66	+81	+273
Stored Natural Flow (cfs)	80	153	56	59	60	76	262
Stored Import Water (cfs)	7	8	2	7	6	5	11
Evaporation (ac-ft)	10.6	6.5	4.1	7.4	13.1	15.6	5.8
RVCWD Diversion (ac-ft)	0	0	0	0	0	0	0
CVD Release Gage	30	28	28	28	28	28	28
Storage (Project Water)	0	0	0	0	0	0	0
Natural Flow	0	0	0	0	0	0	0
Import Water	30	28	28	28	28	28	28
East Fork Min Instream Flow Requirement	25	25	25	25	25	25	25
Compliance Gage	Rvr mi.						
CVD Release	99.9	30	28	28	28	28	28
CVD Project Water Release to Meet Min Flow Requirement							
Total Pass-through Water	30	28	28	28	28	28	28
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			92	210	123	76	105	114	353
Controlling Gage			Healdsburg	Healdsburg	Forks	Forks	Forks	Forks	Digger Bend
<u>All Compliance Gages</u>			<u>Rvr mi.</u>						
Forks	(CVD + USGS 11461000)	99.0	122	270	123	76	105	114	566
Talmage	(USGS 11462080)	96.1	217	326	210	120	143	135	697
Hopland	(USGS 11462500)	84.8	252	266	252	143	146	147	586
Cloverdale	(USGS 11463000)	70.9	213	234	338	203	192	206	570
Geyserville	(USGS 11463500)	54.4	160	267	433	284	238	248	507
Jimtown	(USGS 11463682)	48.5	104	215	364	304	246	264	376
Digger Bend	(USGS 11463980)	38.2	106	247	353	347	278	286	353
Healdsburg	(USGS 11464000)	35.6	92	210	350	355	269	273	367
<u>Net Reach Loss(-)/Gain(+)</u>									
Forks - Talmage			+53	+82	+63	+41	+42	+49	+155
Talmage - Hopland			-31	-3	-9	+12	+12	+11	-22
Hopland - Cloverdale			-30	+75	-11	+35	+63	+49	+206
Cloverdale - Jimtown			+9	-16	+51	+33	+59	+62	+135
Jimtown - Digger Bend			+22	+46	+0	+0	+30	+23	+0
Digger Bend - Healdsburg			-5	+9	-4	+1	-18	-8	+9
Upper Russian Net Reach Loss/Gain			+17	+193	+89	+122	+187	+187	+482
<u>CVD Project Water Release to Meet Min Flow Requirement</u>									
Net Reach Loss(-)/Gain(+) to Controlling Gage			+17	+193	+0	+0	+0	+0	+473
Storage (Project Water)			0	0	0	0	0	0	0
Pass-through Water (Nat. + Imp.) + Natural			17	193	0	0	0	0	473
Total Pass-through Water			47	221	28	28	28	28	501
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).

	4/15/2022	4/16/2022	4/17/2022	4/18/2022	4/19/2022	4/20/2022	4/21/2022
IV. Lake Sonoma							
Lake Sonoma							
Storage Change (ac-ft)	-110.0	+330.0	-18.0	-37.0	-18.0	+73.0	+369.0
(cfs)	-55	+166	-9	-19	-9	+37	+186
Evaporation (ac-ft)	11.3	14.4	15.4	9.3	12.4	5.1	11.3
Inflow (Natural Flow)	26	248	73	60	72	107	254
WSD Release Gage	75	74	74	74	75	68	62
Storage (Project Water)	50	0	1	14	3	0	0
Natural Flow	26	74	73	60	72	68	62
V. Lower Dry Creek Reach							
Minimum Instream Flow Requirement	25	25	25	25	25	25	25
Controlling Compliance Gage							
Min Gage Flow	75	74	74	74	75	68	62
Controlling Gage	WSD Release	WSD Release	WSD Release	WSD Release	WSD Release	WSD Release	WSD Release
All Compliance Gages							
	Crk mi.						
WSD Release	14.3	75	74	74	75	68	62
Yoakim (USGS 11465200)	11.1	82	93	90	86	79	80
Lambert (USGS 11465240)	6.8	89	101	98	93	89	87
Dry Crk Mouth (USGS 11465350)	0.1	89	109	99	92	95	99
WSD to Russian River Confluence Reach Analysis							
Total Pass-through Water	26	74	73	60	72	68	62
Net Reach Loss(-)/Gain(+)							
WSD - Yoakim	+7	+19	+16	+12	+13	+10	+17
Yoakim - Lambert	+7	+9	+7	+6	+7	+8	+8
Lambert - Dry Crk Mouth	-1	+12	-2	-1	+2	+3	+14
WSD - Dry Crk Mouth	+13	+39	+21	+17	+22	+21	+40
WSD Project Water Release to Meet Min Flow Requirement							
Net Reach Loss/Gain to Controlling Gage	+0	+0	+0	+0	+0	+0	+0
Project Water Release Required	Yes	No	Yes	Yes	Yes	No	No
VI. Russian River - Dry Creek Confluence							
Upper Russian River Flow (Healdsburg Gage)							
L. Mendocino Project Water + Import Water	30	17	28	28	28	28	28
Natural Flow	17	193	89	122	187	187	482
Dry Creek Flow (Mouth Gage)							
L. Sonoma Project Water	50	0	1	14	3	0	0
Natural Flow	39	109	97	78	94	95	99
Russian River d/s of Confluence Flow	180	318	449	447	366	368	466
L. Mendocino Project Water + Import Water	30	17	28	28	28	28	28
L. Sonoma Project Water	50	0	1	14	3	0	0
Natural Flow	56	302	187	200	282	282	581
VII. Lower Russian River Reach							
Minimum Instream Flow Requirement	35	35	35	35	35	35	35
Controlling Compliance Gage							
Min Gage Flow	142	329	484	481	424	413	485
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
Hacienda (USGS 11467000)	21.8	142	329	484	481	413	485
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	209	396	548	556	474	478	555
Net Reach Loss(-)/Gain(+)	+29	+78	+99	+109	+108	+110	+89
L. Mendocino Project Water + Import Water	30	17	28	28	28	28	28
L. Sonoma Project Water	48	0	0	12	1	0	0
Natural Flow	85	380	286	309	389	392	670
Confluence to Hacienda (Guerneville) Reach Analysis							
Net Reach Loss(-)/Gain(+)	-38	+11	+35	+34	+58	+45	+19
L. Mendocino Project Water + Import Water	30	17	28	28	28	28	28
L. Sonoma Project Water	0	0	0	0	0	0	0
Natural Flow	65	312	222	246	340	326	600
VIII. Water Production under Sonoma Water Water Rights (ac-ft)							
Lower Russian River							
Sonoma Water Total	133.2	133.3	127.6	148.6	98.9	129.7	138.1
Wohler	46.6	45.9	66.9	59.5	47.2	61.5	79.1
Mirabel	86.6	87.4	60.7	89.1	51.7	68.2	59.0
Town of Windsor River Wellfield	4.3	3.7	3.6	4.0	4.0	3.8	3.5
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

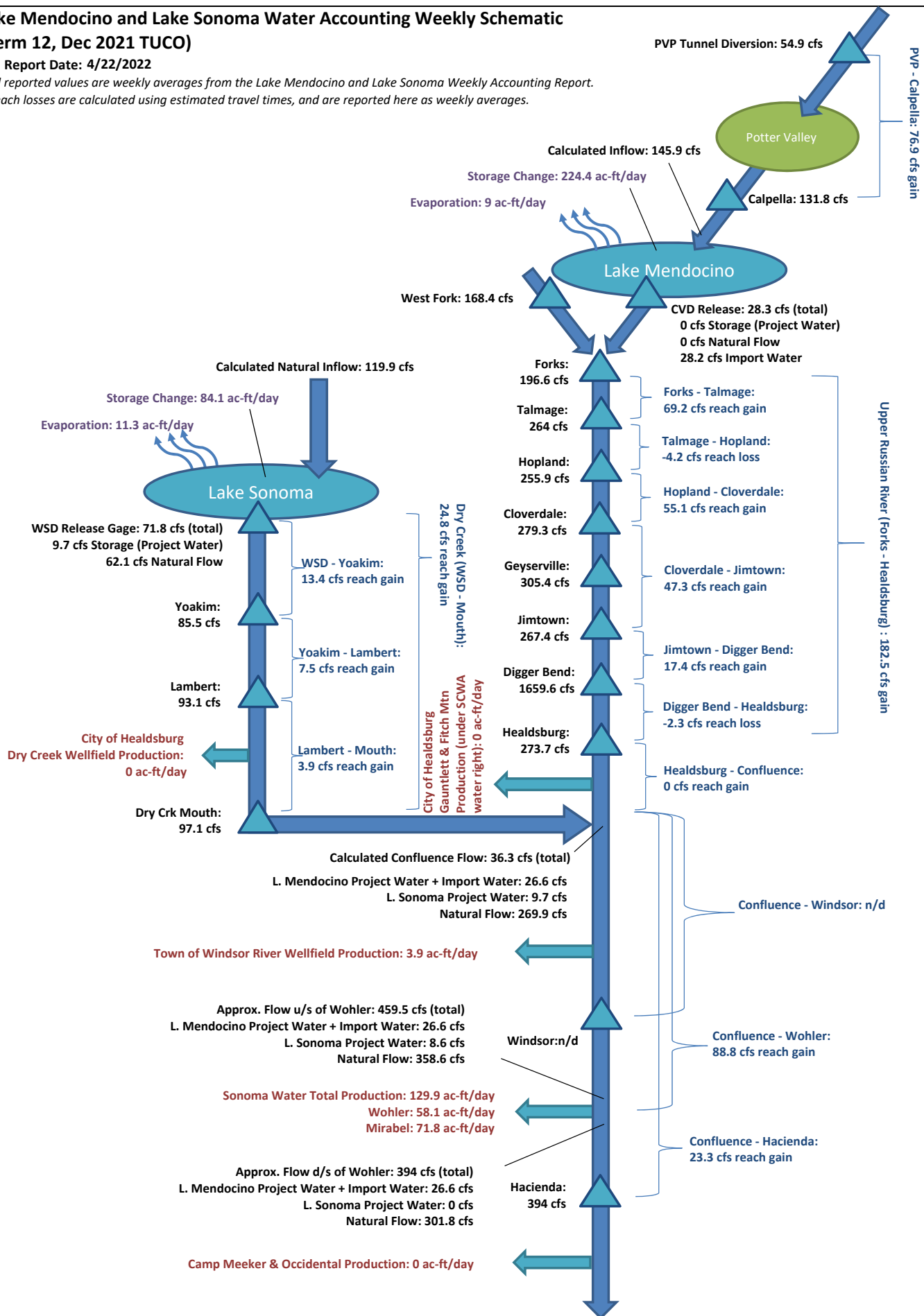
Notes:

- 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 12, Dec 2021 TUCO)

Report Date: 4/22/2022

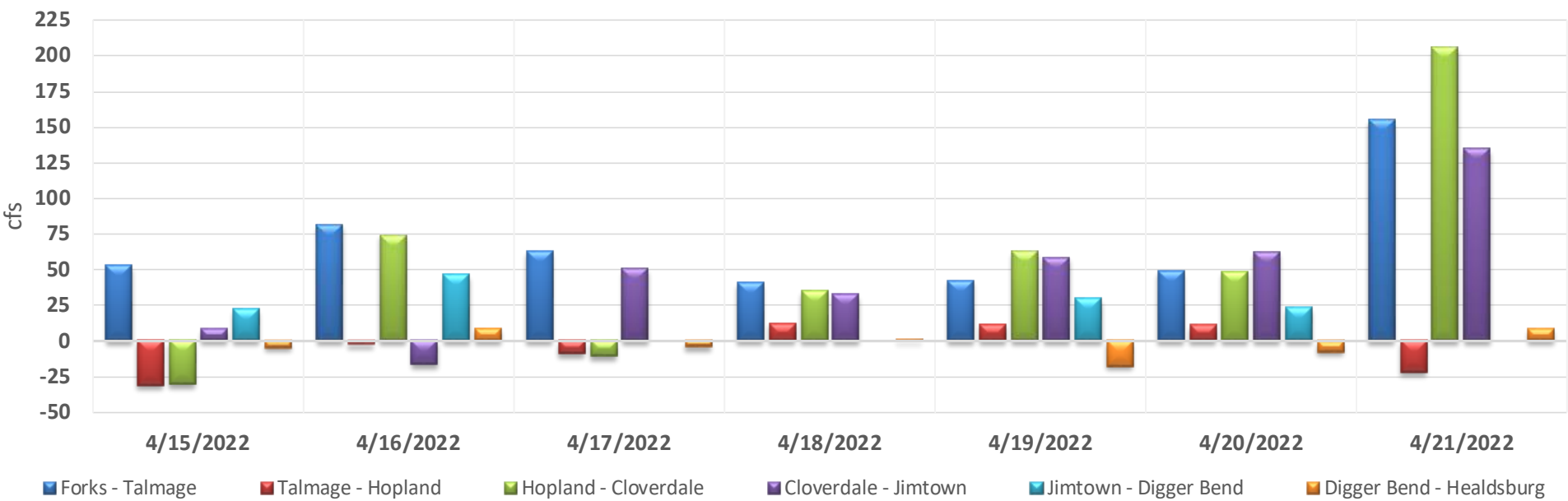
All reported values are weekly averages from the Lake Mendocino and Lake Sonoma Weekly Accounting Report.
Reach losses are calculated using estimated travel times, and are reported here as weekly averages.



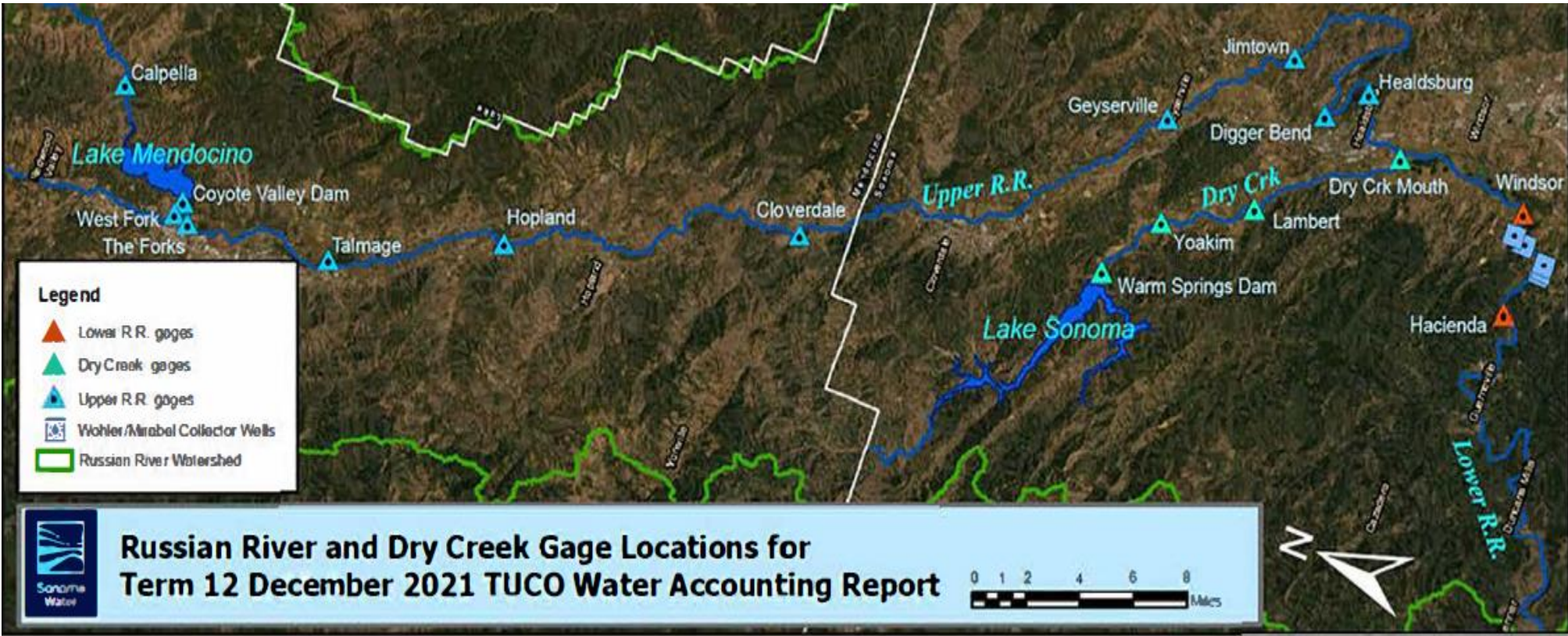
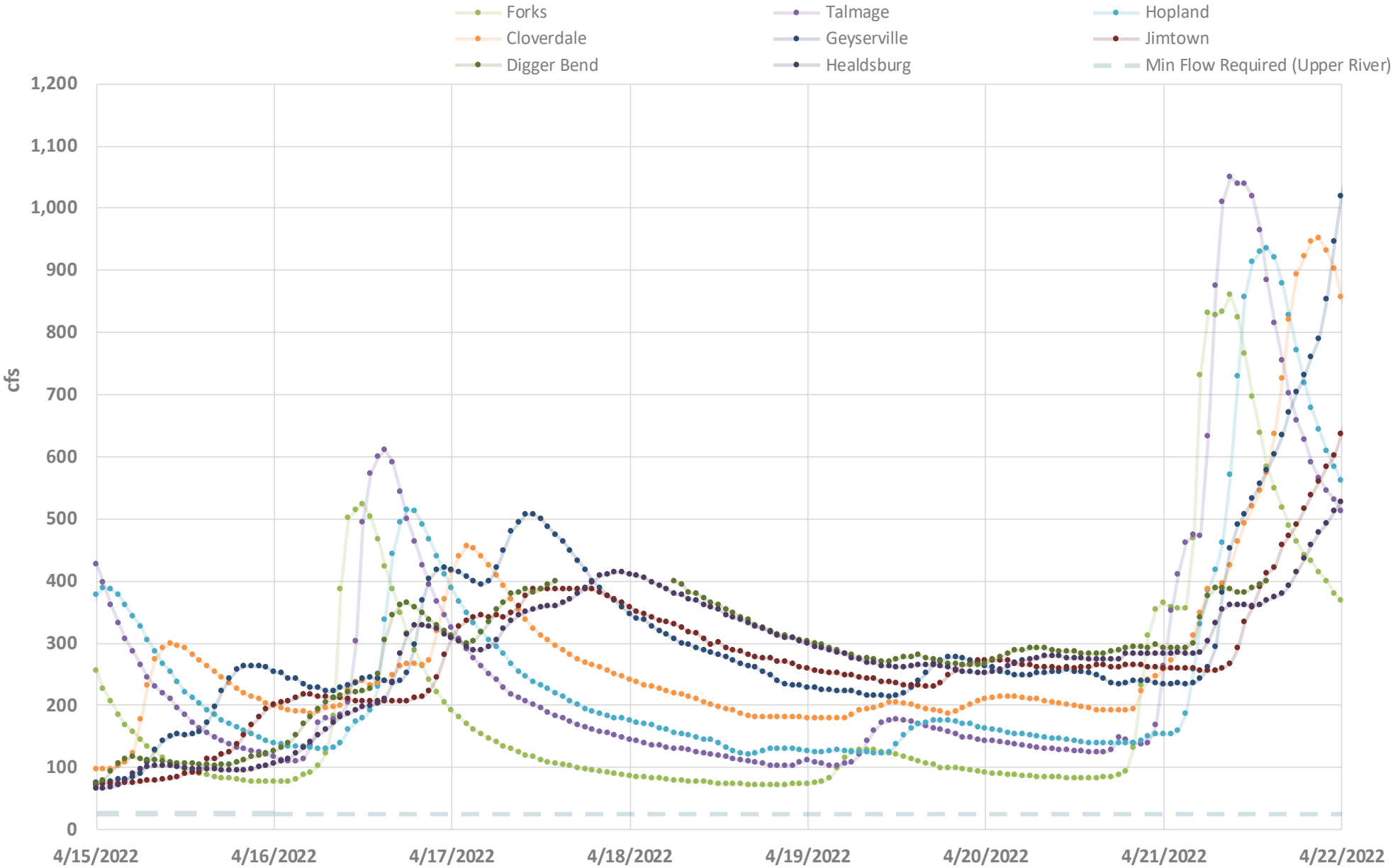
Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 12, Dec 2021 TUCO)

Report Date: 4/22/2022

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



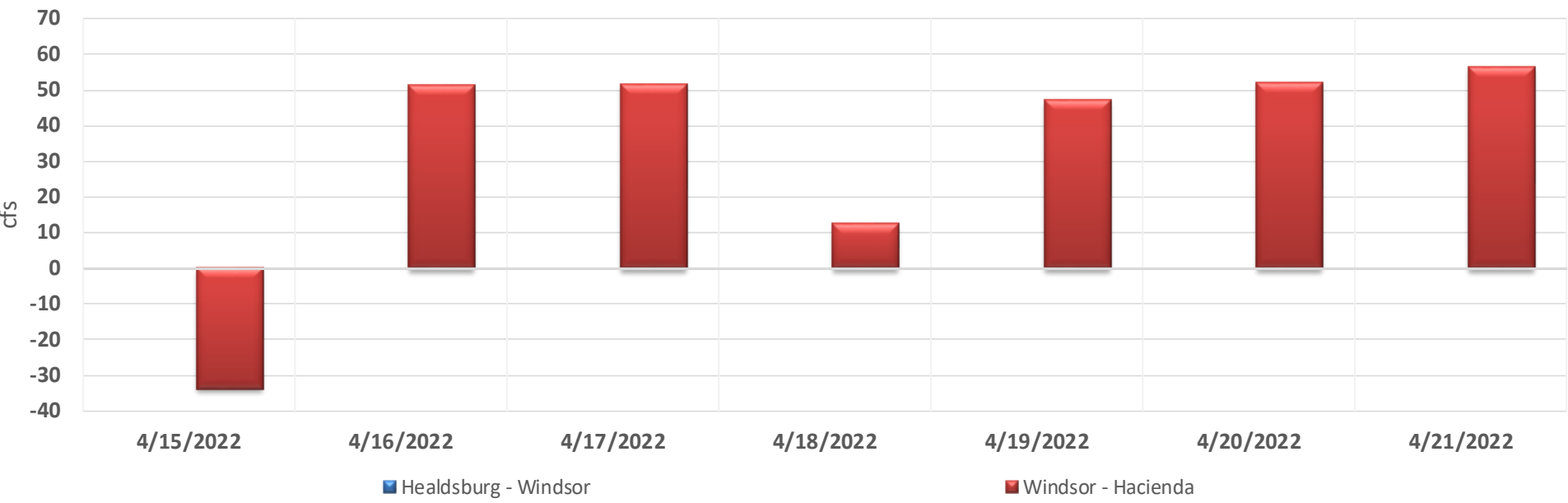
UPPER RUSSIAN RIVER STREAM FLOWS



Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 12, Dec 2021 TUCO)

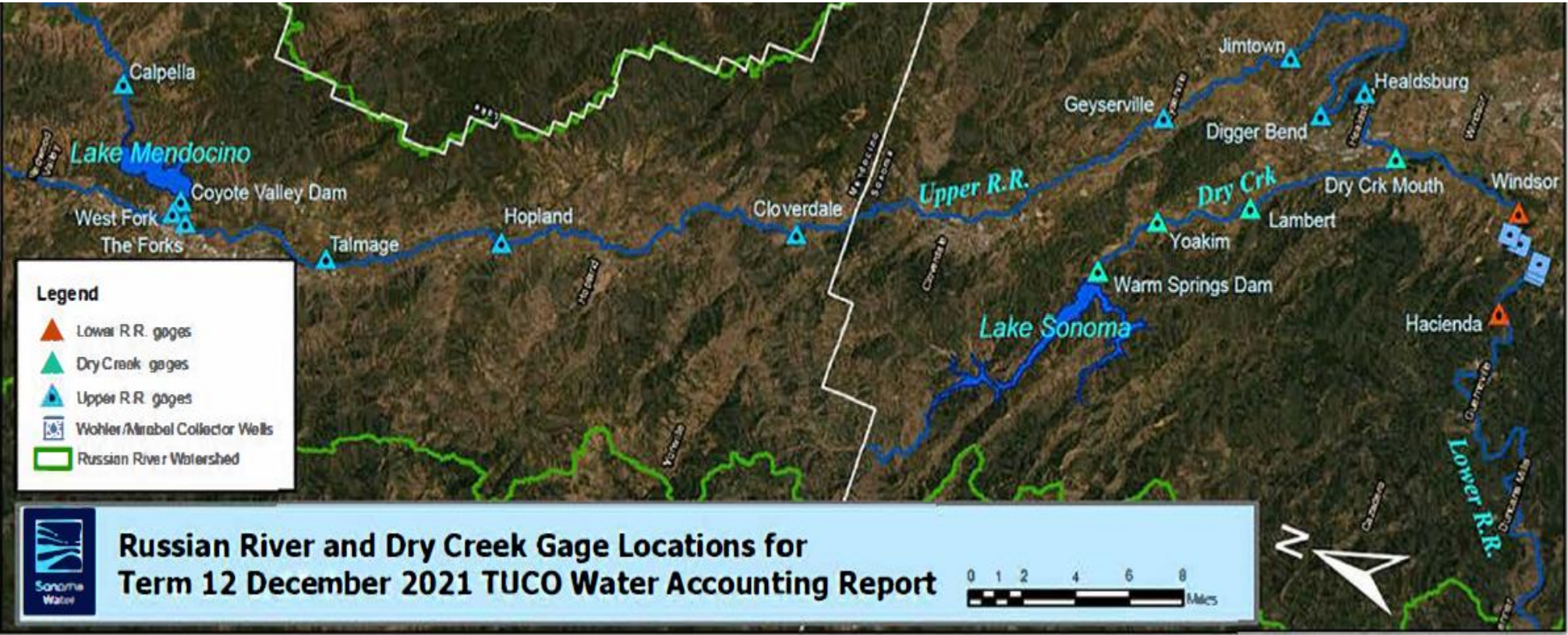
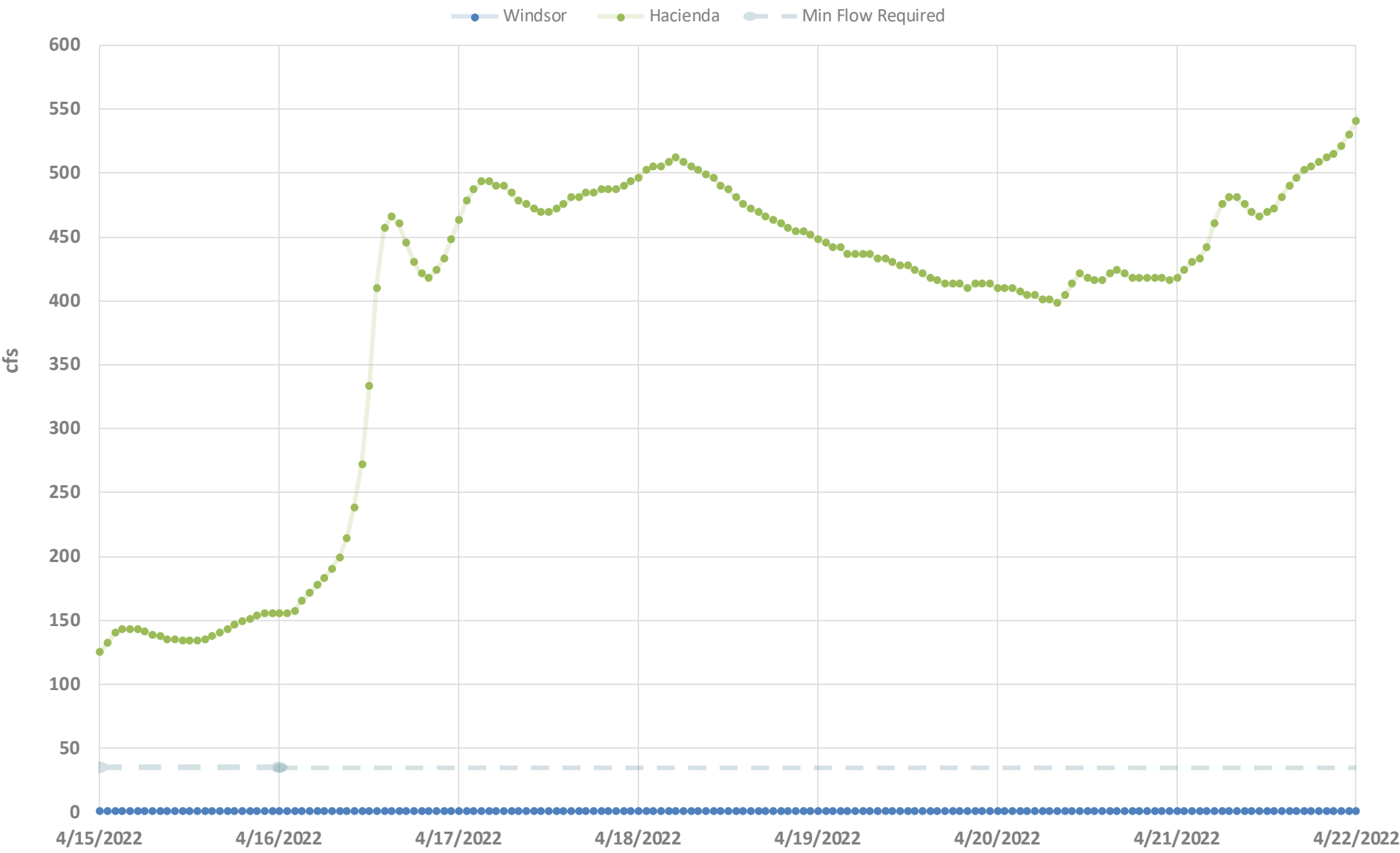
Report Date: 4/22/2022

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



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

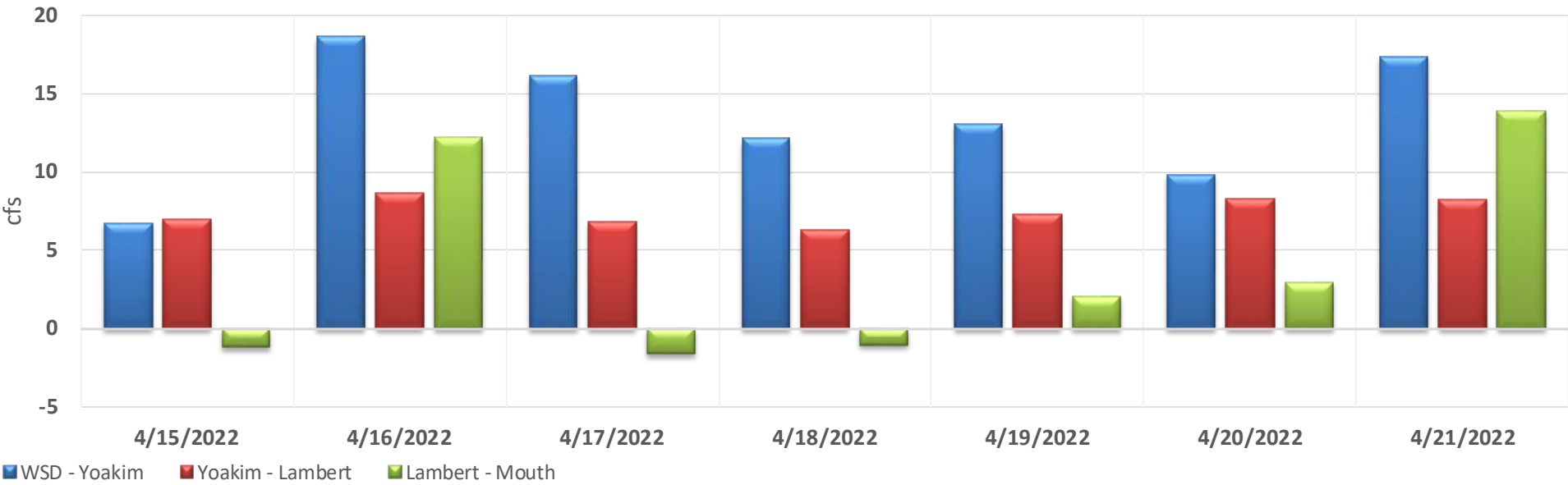
LOWER RUSSIAN RIVER STREAM FLOWS



Lake Mendocino and Lake Sonoma Water Accounting Weekly Report (Term 12, Dec 2021 TUCO)

Report Date: 4/22/2022

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



DRY CREEK STREAM FLOWS

