

Units are cfs unless noted otherwise

	11/29/2024	11/30/2024	12/1/2024	12/2/2024	12/3/2024	12/4/2024	12/5/2024
I. Upper East Fork Reach							
Potter Valley Project							
Tunnel Diversion	46.0	46.0	46.0	46.0	46.0	46.0	46.0
PVID Requested Delivery	5.0	5.0	5.0	5.0	5.0	5.0	5.0
PVID Canals Actual Delivery	4.7	4.7	4.7	4.7	4.7	4.7	4.7
East Fork Release	41.0	41.0	41.0	41.0	41.0	41.0	41.0
PVID E Fork Diversions	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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)	40.7	40.7	40.7	40.7	40.7	40.7	40.7
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	114.8	101.9	94.2	88.8	85.0	80.9	78.3
Net Reach Loss(-)/Gain(+)	+68.8	+55.9	+48.2	+42.8	+39.0	+34.9	+32.3
Unimpaired Natural Flow @ Calpella (est.)	63.8	52.5	44.8	41.1	37.1	35.3	33.5
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)	204	205	177	173	171	159	153
(cfs)	103	103	89	87	86	80	77
Natural Flow	62	62	48	46	45	39	36
Import	41	41	41	41	41	41	41
Storage Change (ac-ft)	+129.0	+129.0	+81.0	+49.0	+32.0	+17.0	-17.0
(cfs)	+65	+65	+41	+25	+16	+9	-9
Stored Natural Flow (cfs)	62	62	41	25	16	9	0
Stored Import Water (cfs)	3	3	0	0	0	0	0
Evaporation (ac-ft)	7.8	7.8	7.5	5.0	6.3	6.3	6.3
RVCWD Diversion (ac-ft)	0	0	0	0	0	0	0
CVD Release Gage	34	35	45	60	67	68	83
Storage (Project Water)	0	0	0	0	0	0	5
Natural Flow	0	0	6	20	27	29	36
Import Water	34	34	39	40	39	39	41
East Fork Min Instream Flow Requirement	25	25	25	25	25	25	25
Compliance Gage	Rvr mi.						
CVD Release	99.9	34	35	45	60	67	83
CVD Project Water Release to Meet Min Flow Requirement							
Total Pass-through Water	34	34	45	60	67	68	77
Project Water Release Required	No	No	No	No	No	No	No

III. Upper Russian River Reach

Minimum Instream Flow Requirement

Controlling Compliance Gage

Min Gage Flow	184	159	153	158	158	153	161
Controlling Gage	Forks	Forks	Forks	Forks	Forks	Forks	Forks

All Compliance Gages

Forks	(CVD + USGS 11461000)	99.0	184	159	153	158	158	153	161
Talmage	(USGS 11462080)	96.1	241	211	197	196	194	186	197
Hopland	(USGS 11462500)	84.8	287	251	227	219	214	203	205
Cloverdale	(USGS 11463000)	70.9	541	458	399	364	338	309	290
Geyserville	(USGS 11463500)	54.4	1,026	864	755	678	623	576	536
Jimtown	(USGS 11463682)	48.5	990	843	753	686	639	599	563
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	1,350	1,133	976	857	769	703	652

Net Reach Loss(-)/Gain(+)

Forks - Talmage	+52	+47	+45	+38	+36	+33	+35
Talmage - Hopland	+39	+35	+29	+23	+18	+16	+11
Hopland - Cloverdale	+243	+199	+168	+144	+122	+104	+86
Cloverdale - Jimtown	+408	+358	+335	+310	+292	+279	+269
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>	+337	+276	+212	+164	+124	+100	+85
Upper Russian Net Reach Loss/Gain	+1,078	+915	+789	+679	+591	+531	+486

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	34	34	45	60	67	68	77
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).

		11/29/2024	11/30/2024	12/1/2024	12/2/2024	12/3/2024	12/4/2024	12/5/2024
IV. Lake Sonoma								
Lake Sonoma								
Storage Change (ac-ft)		+54.0	+27.0	+27.0	-27.0	-27.0	-81.0	-81.0
(cfs)		+27	+14	+14	-14	-14	-41	-41
Evaporation (ac-ft)		8.7	8.7	6.2	8.3	8.3	8.3	8.3
Inflow (Natural Flow)		138	124	123	96	97	69	69
WSD Release Gage		106	106	106	105	106	106	106
Storage (Project Water)		0	0	0	9	9	37	37
Natural Flow		106	106	106	96	97	69	69
V. Lower Dry Creek Reach								
Minimum Instream Flow Requirement		105	105	105	105	105	105	105
Controlling Compliance Gage								
Min Gage Flow		106	106	106	105	106	106	106
Controlling Gage		WSD Release	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>	106	106	106	105	106	106	106
Yoakim (USGS 11465200)	<i>11.1</i>	205	192	181	173	168	161	157
Lambert (USGS 11465240)	<i>6.8</i>	208	193	183	174	167	161	157
Dry Crk Mouth (USGS 11465350)	<i>0.1</i>	275	244	231	220	207	205	190
WSD to Russian River Confluence Reach Analysis								
Total Pass-through Water		106	106	106	96	97	69	69
Net Reach Loss(-)/Gain(+)								
WSD - Yoakim		+104	+91	+80	+72	+67	+60	+56
Yoakim - Lambert		+1	+0	+1	+0	-1	-0	-0
Lambert - Dry Crk Mouth		+64	+49	+46	+45	+39	+42	+32
WSD - Dry Crk Mouth		+169	+140	+127	+117	+105	+102	+88
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		No	No	No	Yes	Yes	Yes	Yes
VI. Russian River - Dry Creek Confluence								
Upper Russian River Flow (Healdsburg Gage)								
L. Mendocino Project Water + Import Water		34	35	39	40	39	39	46
Natural Flow		1,078	915	795	699	619	560	523
Dry Creek Flow (Mouth Gage)								
L. Sonoma Project Water		0	0	0	9	9	37	37
Natural Flow		275	244	231	213	202	172	157
Russian River d/s of Confluence Flow		1,625	1,377	1,206	1,077	976	909	841
L. Mendocino Project Water + Import Water		34	35	39	40	39	39	46
L. Sonoma Project Water		0	0	0	9	9	37	37
Natural Flow		1,354	1,159	1,025	912	820	732	680
VII. Lower Russian River Reach								
Minimum Instream Flow Requirement		125	125	125	125	125	125	125
Controlling Compliance Gage								
Min Gage Flow		3,132	2,627	2,224	1,924	1,694	1,500	1,343
Controlling Gage		Hacienda	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>	<i>n/d</i>
Hacienda (USGS 11467000)	<i>21.8</i>	3,132	2,627	2,224	1,924	1,694	1,500	1,343
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		3,187	2,683	2,272	1,973	1,751	1,555	1,395
Net Reach Loss(-)/Gain(+)		+1,562	+1,306	+1,066	+897	+775	+646	+554
L. Mendocino Project Water + Import Water		34	35	39	40	39	39	46
L. Sonoma Project Water		0	0	0	7	7	35	34
Natural Flow		2,916	2,465	2,091	1,809	1,595	1,378	1,234
Confluence to Hacienda (Guerneville) Reach Analysis								
Net Reach Loss(-)/Gain(+)		+1,507	+1,250	+1,018	+848	+717	+591	+502
L. Mendocino Project Water + Import Water		34	35	39	40	39	39	46
L. Sonoma Project Water		0	0	0	0	0	0	0
Natural Flow		2,861	2,409	2,043	1,767	1,545	1,358	1,216
VIII. Water Production under Sonoma Water Water Rights (ac-ft)								
Lower Russian River								
Sonoma Water Total		108.4	111.1	95.7	97.6	114.2	109.0	102.5
Wohler		49.0	57.2	39.2	40.2	69.9	61.9	54.0
Mirabel		59.4	53.9	56.5	57.4	44.3	47.2	48.5
Town of Windsor River Wellfield		5.0	5.0	5.0	4.4	4.2	4.2	4.3
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

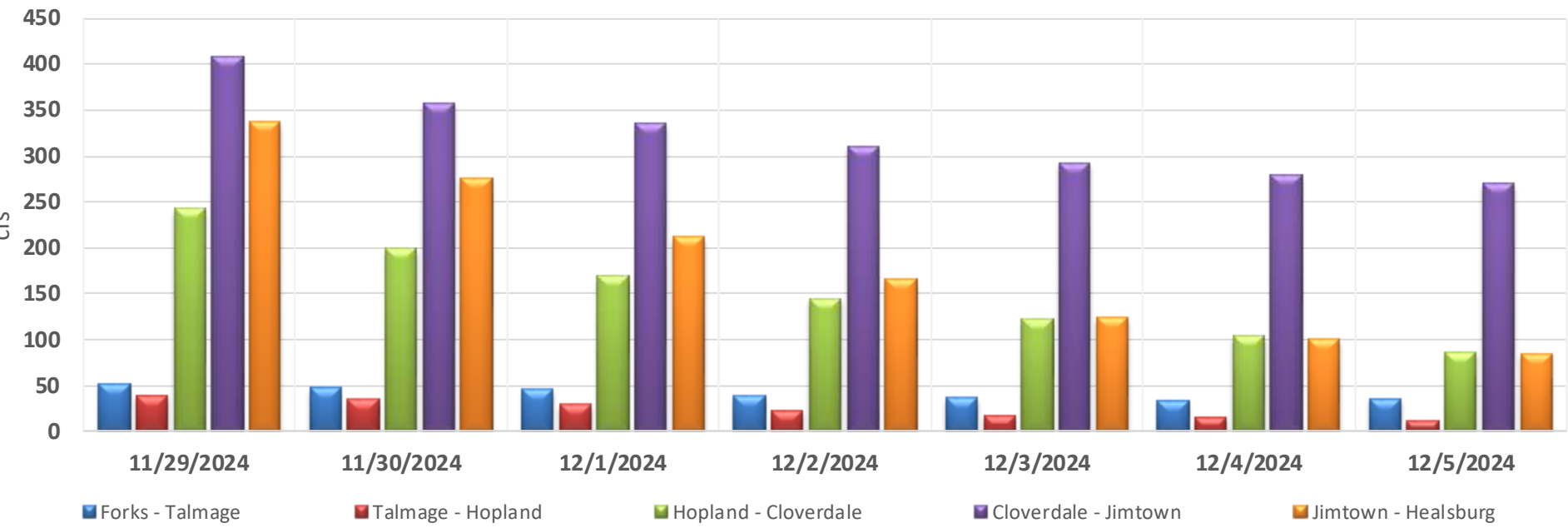
Notes:

- 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 Report (Term 7, October 2024 TUCO)

Report Date: 12/6/2024

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



UPPER RUSSIAN RIVER STREAM FLOWS

