

Lake Mendocino Water Accounting Weekly Report (Term 11 Feb 2021 TUCO)

Report Date: 7/9/2021

Units are cfs unless noted otherwise

	<u>7/2/2021</u>	<u>7/3/2021</u>	<u>7/4/2021</u>	<u>7/5/2021</u>	<u>7/6/2021</u>	<u>7/7/2021</u>	<u>7/8/2021</u>
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	6.2	6.2	6.1	6.1	6.1	9.3	10.8
East Fork Release	23.8	23.8	23.9	23.9	23.9	20.7	19.2
PVID E Fork Diversions	18.8	18.8	18.9	18.9	18.9	15.7	14.2
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)	8.3	9.1	6.8	8.0	9.4	8.1	6.2
East Fork / Potter Valley Reach Analysis							
USGS E Fork @ Calpella	13.3	14.1	11.8	13.0	14.4	13.1	11.2
Net Reach Loss(-)/Gain(+)	-16.7	-15.9	-18.2	-17.0	-15.6	-16.9	-18.8
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							
Reservoir Operations							
Calculated Inflow (ac-ft)	4.1	30.7	17.1	31.5	8.5	31.9	20.8
(cfs)	2	15	9	16	4	16	10
Natural Flow	0	0	0	0	0	0	0
Import	2	15	9	16	4	16	10
Storage Change (ac-ft)	-188.0	-162.0	-174.0	-160.0	-183.0	-159.0	-192.0
(cfs)	-95	-82	-88	-81	-92	-80	-97
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)	25.5	26.1	24.5	25.0	24.9	24.0	25.3
RVCWD Diversion (ac-ft) (est.)	0	0	0	0	0	0	+17.7
CVD Release Gage	84	84	84	84	84	84	86
Storage (Project Water)	84	82	84	81	84	80	86
Natural Flow	0	0	0	0	0	0	0
Import Water	0	2	0	3	0	4	0
East Fork Min Instream Flow Requirement	25	25	25	25	25	25	25
Compliance Gage		<i>Rvr mi.</i>					
CVD Release	84	99.9	84	84	84	84	86
CVD Project Water Release to Meet Min Flow Requirement							
Total Pass-through Water	0	2	0	3	0	4	0
Project Water Release Required	Yes	Yes	Yes	Yes	Yes	Yes	Yes
III. Upper Russian River Reach							
Minimum Instream Flow Requirement	15	15	15	15	15	15	15
Controlling Compliance Gage							
Min Gage Flow	31	30	30	31	31	31	31
Controlling Gage	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg	Healdsburg
All Compliance Gages							
		<i>Rvr mi.</i>					
Forks (CVD + USGS 11461000)	84	99.0	84	84	84	84	86
Talmage (USGS 11462080)	70	96.1	68	67	69	69	68
Hopland (USGS 11462500)	60	84.8	61	61	62	61	57
Cloverdale (USGS 11463000)	60	70.9	62	60	61	63	58
Geyserville (USGS 11463500)	47	54.4	46	46	45	46	45
Jimtown (USGS 11463682)	36	48.5	35	36	37	37	36
Digger Bend (USGS 11463980)	31	38.2	31	31	33	32	32
Healdsburg (USGS 11464000)	31	35.6	30	30	31	31	31
Net Reach Loss(-)/Gain(+)							
Forks - Talmage	-13	-16	-17	-15	-15	-15	-18
Talmage - Hopland	-9	-7	-7	-6	-7	-8	-10
Hopland - Cloverdale	+2	+1	-1	-0	+1	+0	-2
Cloverdale - Jimtown	-25	-25	-25	-23	-24	-25	-26
Jimtown - Digger Bend	-5	-5	-4	-4	-5	-5	-5
Digger Bend - Healdsburg	-0	-1	-1	-1	-2	-1	-2
CVD Project Water Release to Meet Min Flow Requirement							
Net Reach Loss(-)/Gain(+) to Controlling Gage	-51	-53	-53	-49	-50	-53	-61
Storage (Project Water)	+51	+53	+53	+49	+50	+53	+61
Pass-through Water (Natural + Import)	+0	+0	+0	+0	+0	+0	+0
Total Pass-through Water	0	2	0	3	0	4	0
Project Water Release Required	Yes	Yes	Yes	Yes	Yes	Yes	Yes

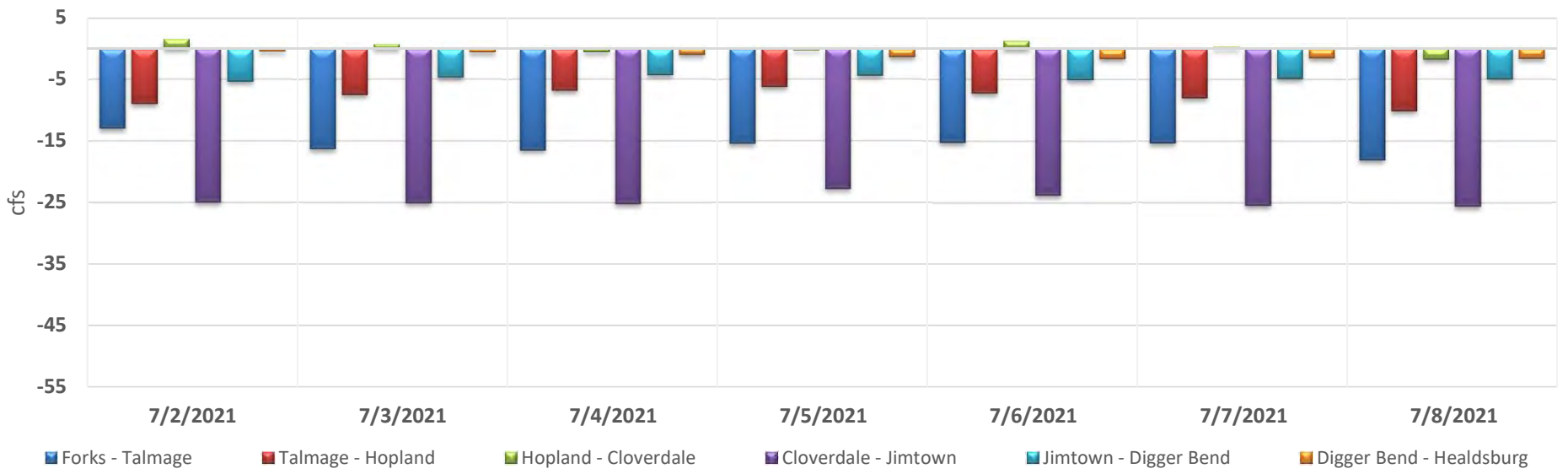
Notes:

- Water Accounting for the Upper Russian River is an analysis that approximates the current conditions based on methodology in Term 11 report and forthcoming update. Values listed include estimated and assumed values where measurements were not currently available.

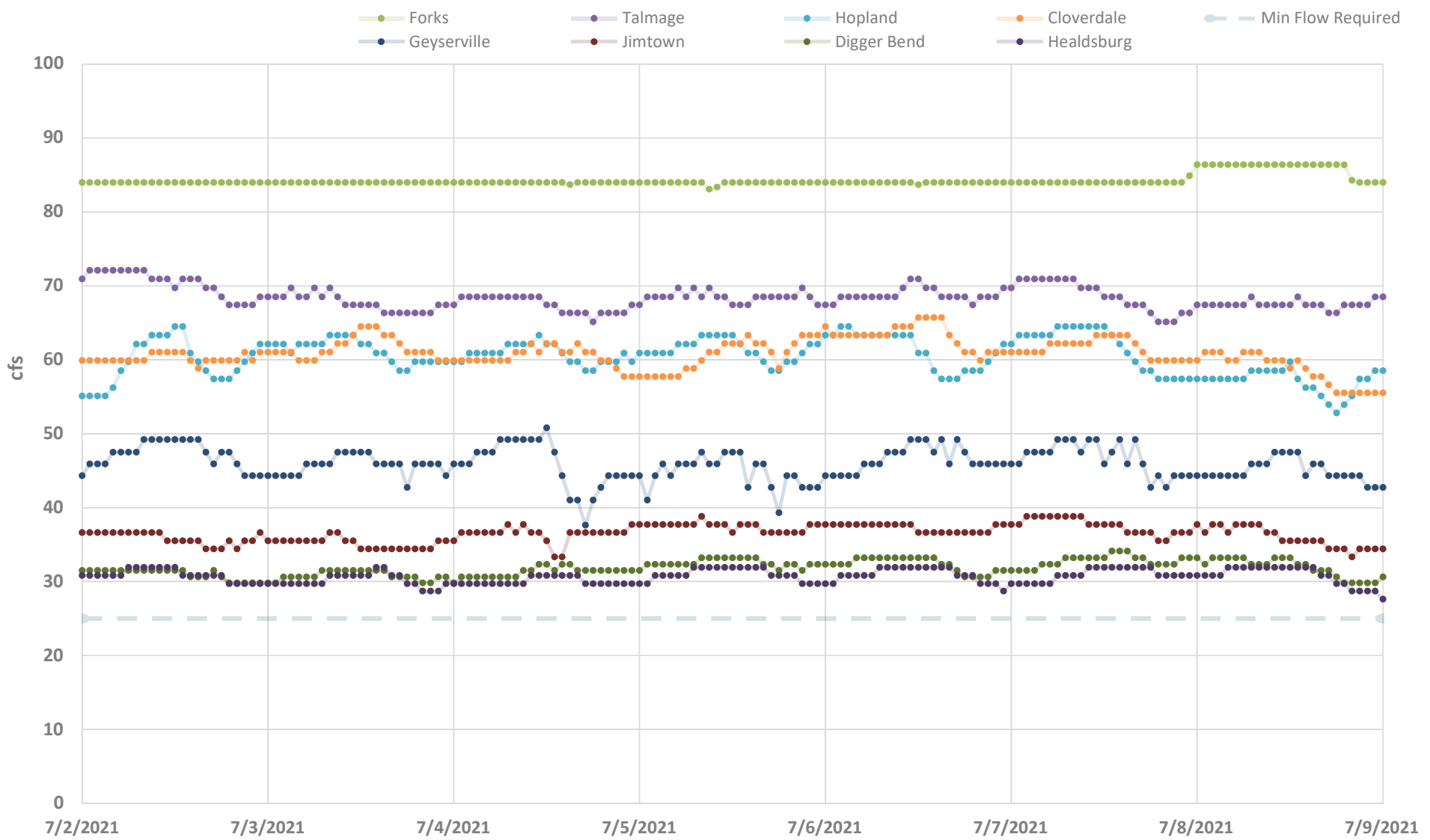
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UPPER RUSSIAN RIVER NET REACH GAINS (+) / LOSSES (-)



UPPER RUSSIAN RIVER STREAM FLOWS



MAP OF UPPER RUSSIAN RIVER and STREAM GAGES

