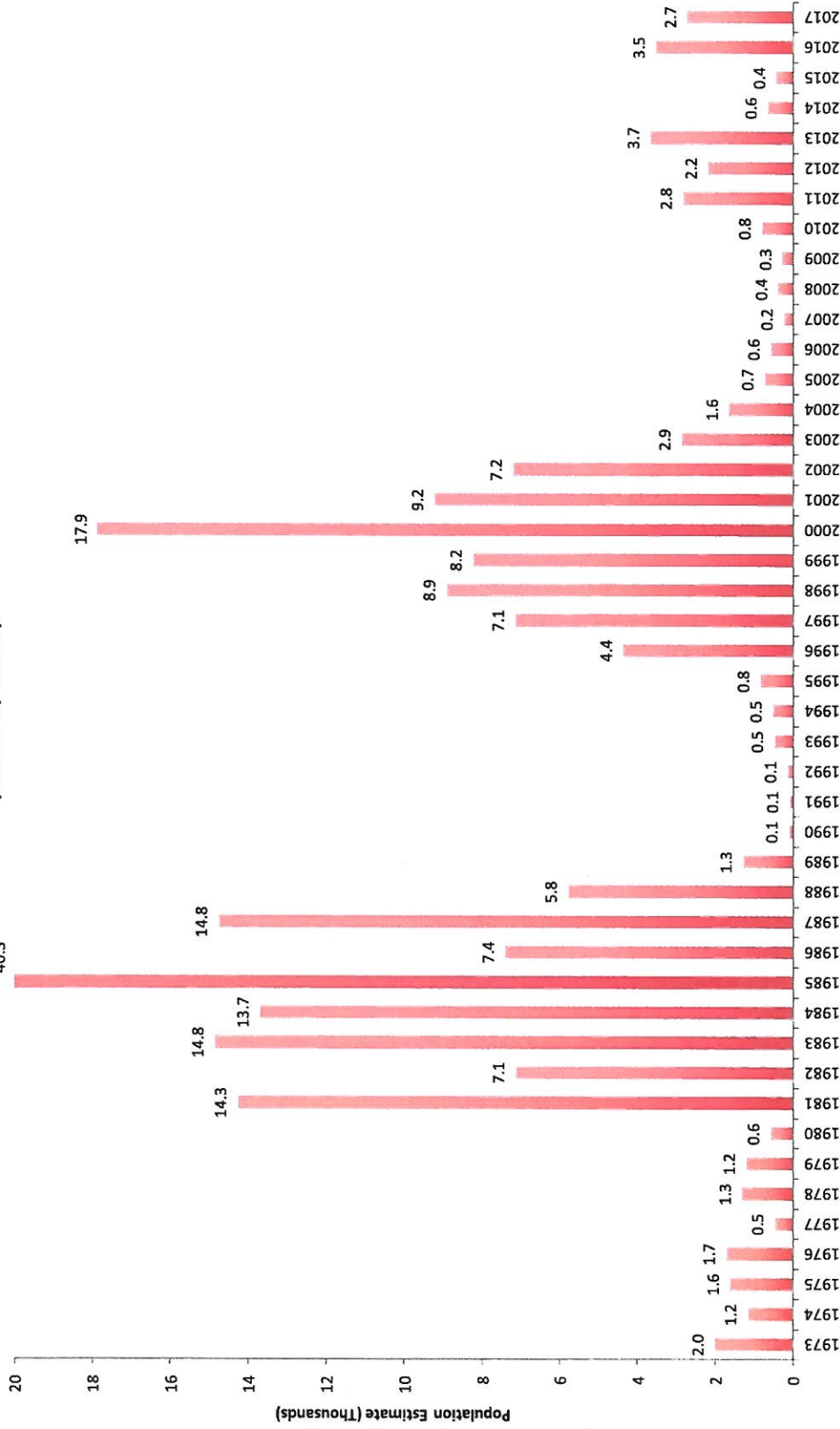
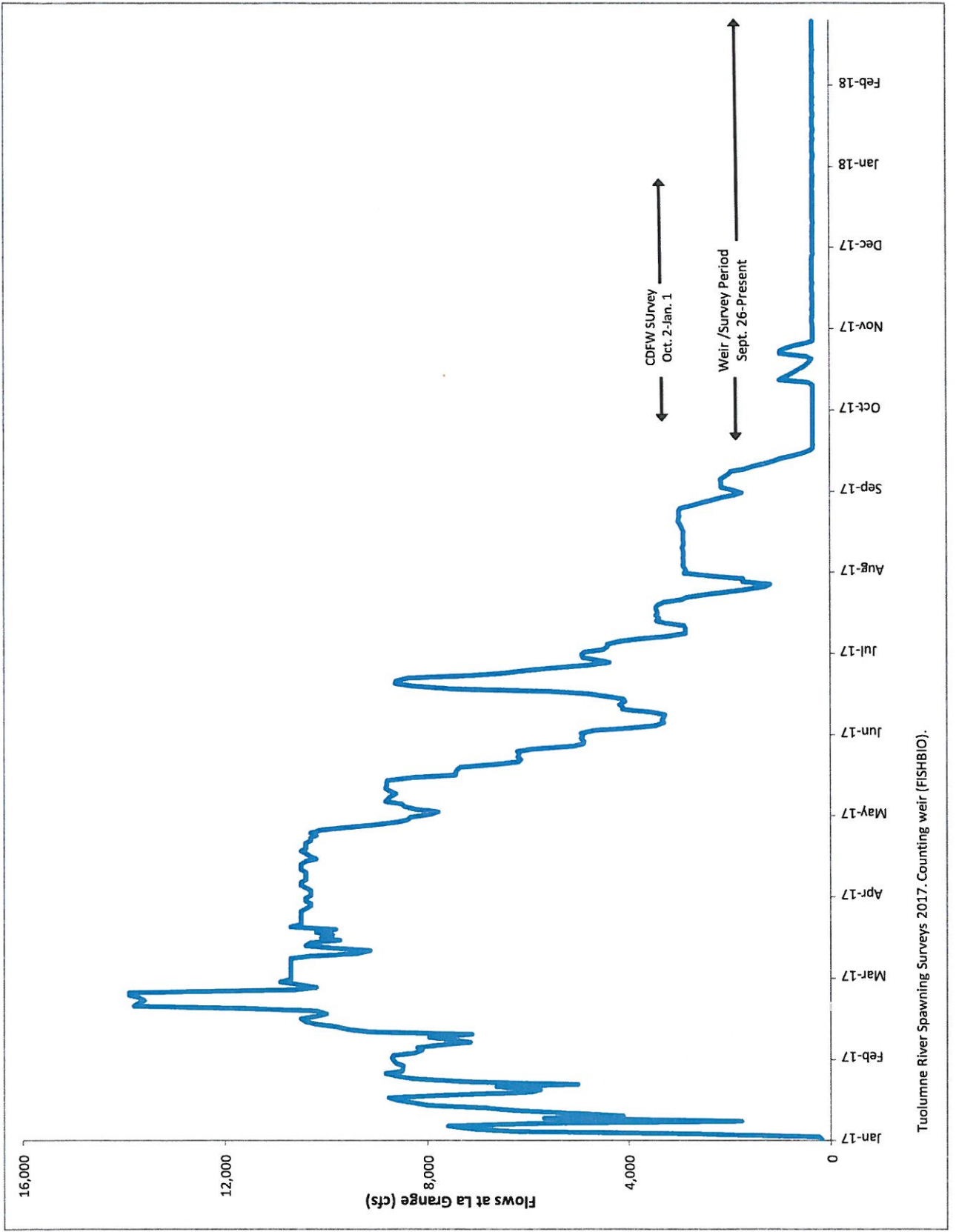


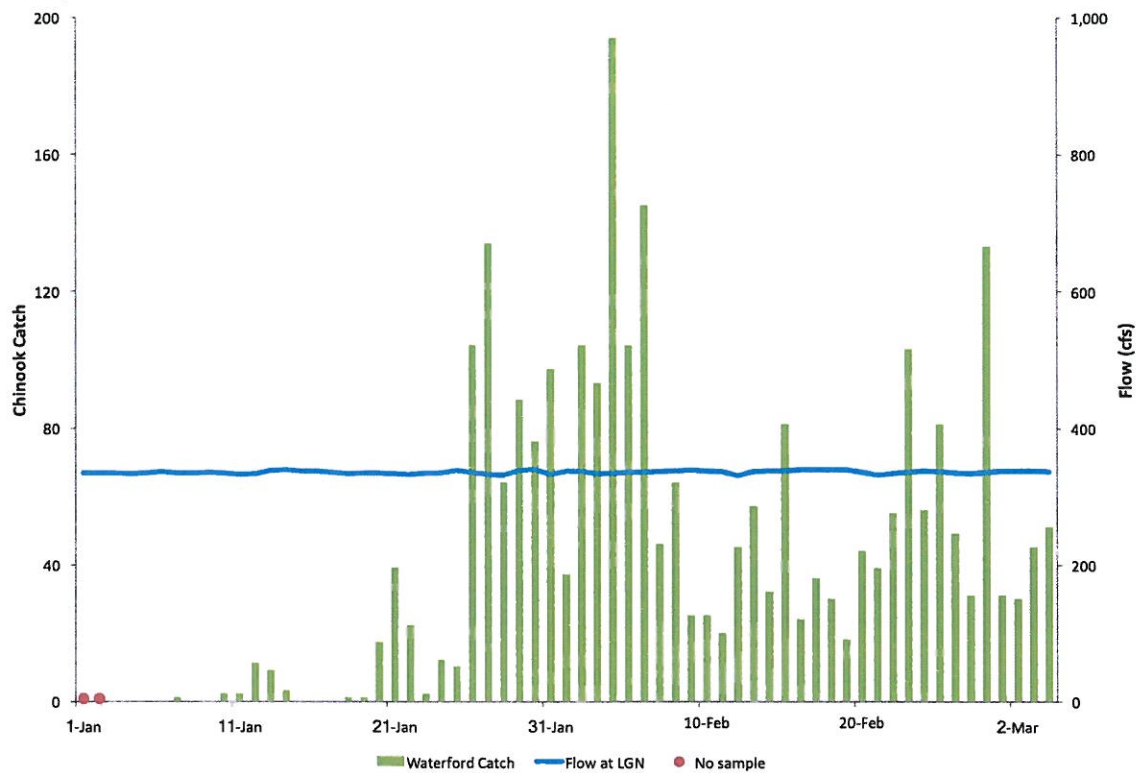
Tuolumne River Salmon Run (Estimates/Counts)



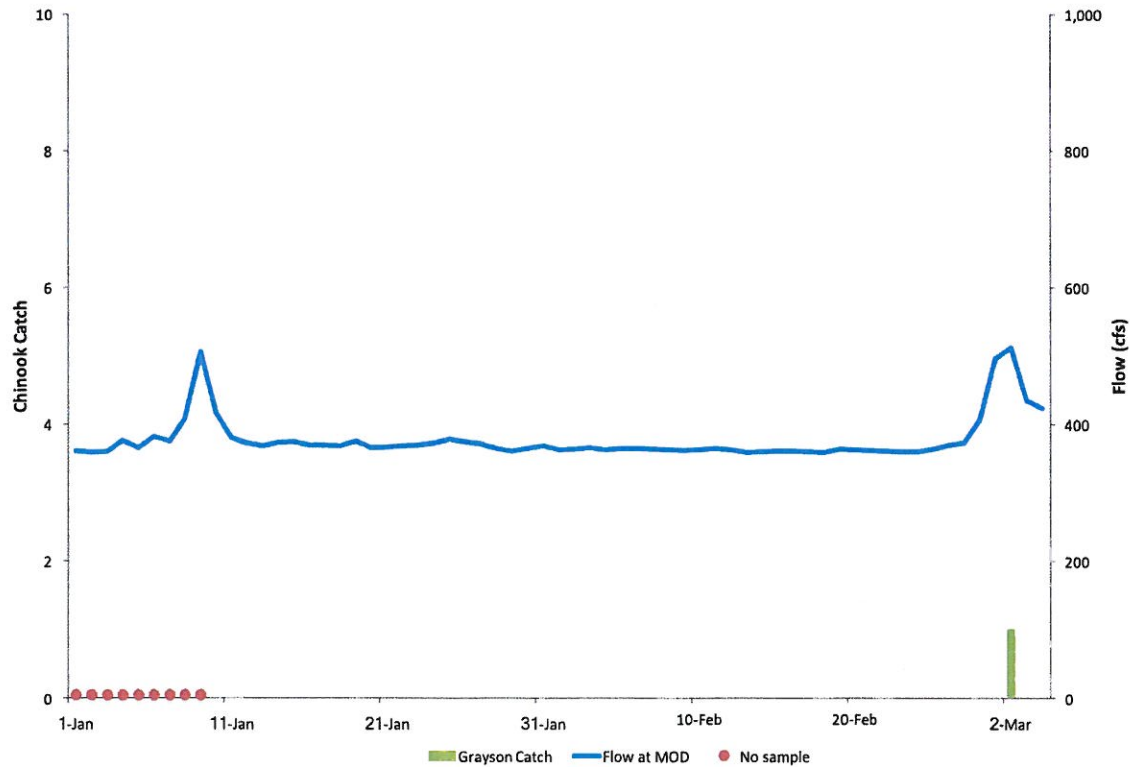
Years 2009-2017 are based on counting weir results from September 1 through December 31. All previous years are from CDFW carcass surveys. Survey periods may vary for both periods.



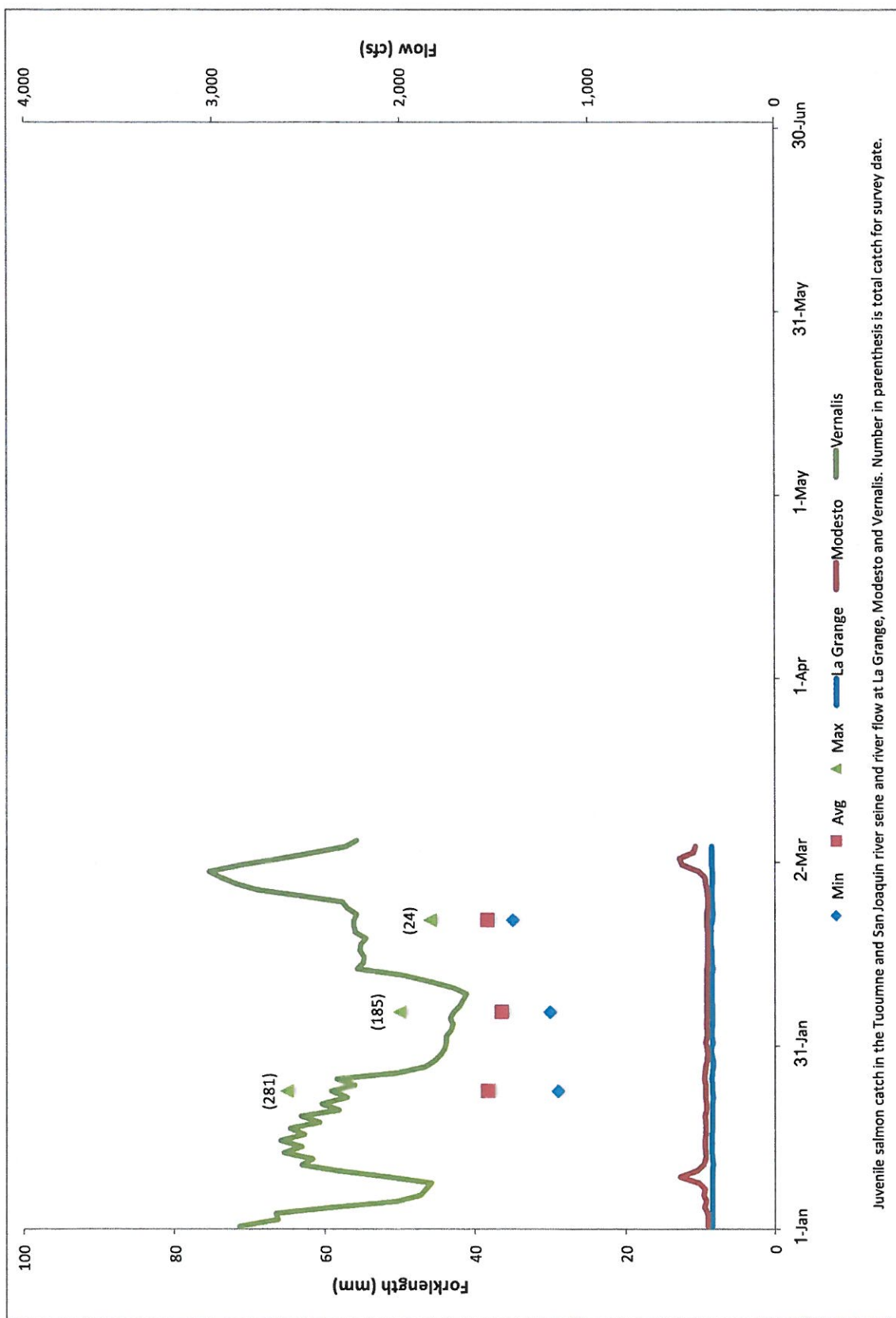
Tuolumne River Spawning Surveys 2017. Counting weir (FISHBIO).



Juvenile Chinook catch at Waterford and Tuolumne River flow at La Grange. Total catch = 2,623, as of March 4, 2018.



Juvenile Chinook catch at Grayson and Tuolumne River flow at Modesto. Total catch = 1, as of March 4, 2018.



3/7/2018

TURLOCK IRRIGATION DISTRICT

(fwm)

DEPARTMENT OF WATER RESOURCES - CALIFORNIA DATA EXCHANGE CENTER
SNOW WATER EQUIVALENTS (IN INCHES) ---

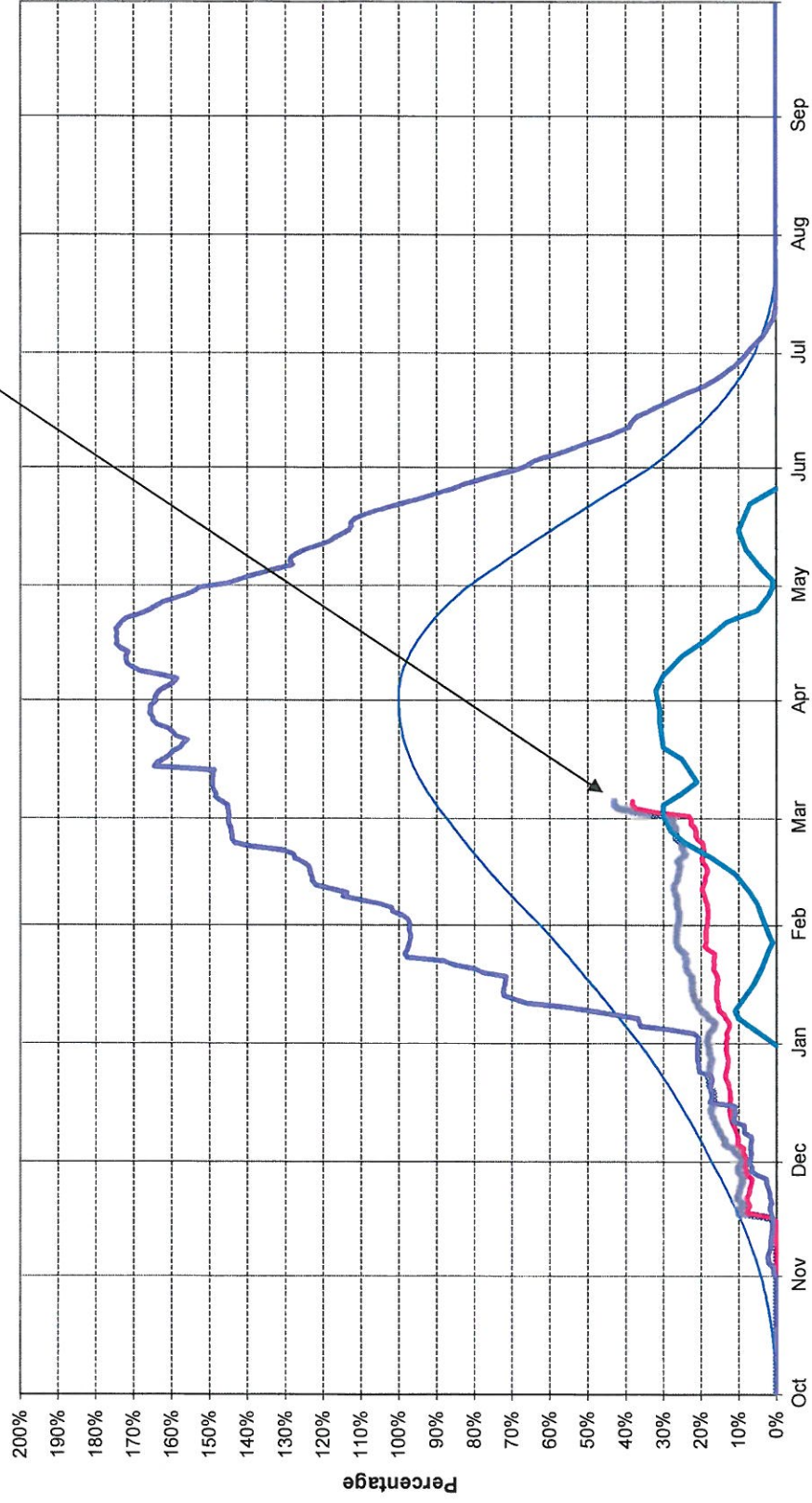
BASIN NAME STATION NAME	COOPERATIVE AGENCY	ELEV FEET	As of 03/05/18		PERCENT OF APR 1	LAST WEEK	DIFF. FROM LAST WEEK	Max History	2018	2017	2016
			APR 1 AVG	TODAY							
TUOLUMNE											
* DANA MEADOWS	DWR	9800	27.70	13.73	49.57%	10.04	3.69	49.00	13.73	48.26	19.40
* SLIDE CANYON	DWR	9200	41.10	22.26	54.16%	15.79	6.47	72.20	22.26	72.20	--
* TUOLUMNE MEADOWS	DWR	8600	22.60	5.52	24.42%	4.74	0.78	44.16	5.52	44.16	--
* HORSE MEADOW	DWR	8400	48.60	28.95	59.57%	18.74	10.21	154.90	28.95	86.99	40.30
* PARADISE	DWR	7650	41.30	17.25	41.77%	8.61	8.64	69.61	17.25	69.61	38.00
* LOWER KIBBIE	DWR	6600	27.40	7.76	28.32%	1.37	6.39	39.09	7.76	29.46	6.53
AVERAGE					42.97%	AVERAGE	6.03				
MERCED											
TENAYA LAKE ²	DWR	8150	33.10	11.10	33.53%	6.67	4.43	51.40	11.10	--	--
OSTRANDER LAKE	DWR	8200	34.80				0.00	60.13	--	8.73	24.61
* GIN FLAT	DWR	7050	34.20	10.14	29.65%	2.16	7.98	45.61	10.14	--	18.48
AVERAGE					31.59%	AVERAGE	4.14				
MONO LAKE											
GEM PASS	LADWP	10750	31.70	13.18	41.58%	7.72	5.46	55.70	13.18	41.71	13.20
STANISLAUS											
DEADMAN CREEK	USBR	9250	37.20	12.72	34.19%	9.72	3.00	58.08	12.72	58.08	25.16
* GIANELLI MEADOW	USBR	8350	55.50				0.00	74.40	16.80	74.40	30.12
* LOWER RELIEF	DWR	8100	41.20					63.17	--	11.72	--
STANISLAUS MEADOW	USBR	7750	47.50	10.54	22.19%	8.38	2.16	72.72	10.54	72.72	--
BLOODS CREEK	USBR	7200	35.50	--	0.00%	--	0.00	72.00	--	43.92	28.20
BLACK SPRINGS	USBR	6500	32.00	9.60	30.00%	2.64	6.96	57.76	9.60	35.04	23.52
AVERAGE					21.60%	AVERAGE	2.42				
WALKER											
* VIRGINIA LAKES RIDGE	SCS	9200	20.30	8.10	39.90%	4.00	4.10	32.70	8.10	31.50	13.30
LOBDELL LAKE	SCS	9200	17.30	8.60	49.71%	4.70	3.90	31.70	8.60	31.70	14.70
* SONORA PASS	SCS	8750	26.00	8.40	32.31%	8.00	0.40	46.60	8.40	46.60	18.60
LEAVITT MEADOWS	SCS	7200	8.00	4.00	50.00%	0.50	3.50	22.90	4.00	22.90	5.00
AVERAGE					42.98%	AVERAGE	2.98				

*

Snow sensors that are used for the D.W.R. Tuolumne River Forecast.

Snow Sensors Used in Tuolumne River Forecast

43.0% Average of Apr. 1 or
47.3% Average for Date



— Tuolumne 2017-2018 — D.W.R. Average — All Courses 2017-2018 — 1977

Mar 2018 SNOW COURSE READINGS

TUOLUMNE BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation	Ave. W. C. on 01APR	Date	Depth	W. C.	Density	% of 01APR	% of 01Mar
* DANA MEADOWS	157	9,800	30.1	22-Feb	31.5	9.0	29%	30%	36%
* RAFFERTY MEADOWS	158	9,400	32.5	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
* BOND PASS	159	9,300	43.7	24-Feb	52.0	16.5	32%	38%	48%
NEW GRACE MEADOW	368	8,900	46.6	28-Feb	54.0	17.5	32%	38%	45%
* TUOLUMNE MEADOWS	161	8,600	22.3	27-Feb	10.8	2.8	26%	13%	13%
* HORSE MEADOW	162	8,400	45.8	24-Feb	44.5	16.0	36%	35%	44%
WILMER LAKE	163	8,000	42.9	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
* SACHSE SPRINGS	165	7,900	36.7	24-Feb	5.5	1.0	18%	3%	3%
* HUCKLEBERRY LAKE	166	7,800	40.4	25-Feb	26.0	8.0	31%	20%	24%
* SPOTTED FAWN	164	7,800	44.8	25-Feb	21.0	7.5	36%	17%	21%
* PARADISE MEADOW	167	7,650	38.6	28-Feb	22.5	7.0	31%	18%	22%
* KERRICK CORRAL	348	7,000	23.0	27-Feb	16.0	2.5	16%	11%	11%
UPPER KIBBIE RIDGE	168	6,700	17.8	25-Feb	5.5	1.0	18%	6%	6%
* VERNON LAKE	169	6,700	21.6	28-Feb	8.5	2.0	24%	9%	10%
* LOWER KIBBIE RIDGE	173	6,700	24.2	25-Feb	5.5	1.0	18%	4%	4%
* BELL MEADOW	172	6,500	14.8	27-Feb	9.0	1.0	11%	7%	7%
* BEEHIVE MEADOW	171	6,500	22.2	28-Feb	10.0	2.0	20%	9%	9%
Average	17 TOT.	7,862			21.5	6.3	25.2%	17%	20.2%

MERCED BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation	Ave. W. C. on 01APR	Date	Depth	W. C.	Density	% of 01APR Ave.	
* SNOW FLAT	176	8,700	44.2	24-Feb	33.5	8.0	24%	18%	23%
OSTRANDER LAKE	177	8,200	33.6	25-Feb	19.0	6.0	32%	18%	22%
LAKE TENAYA	178	8,150	31.8	24-Feb	16.0	4.0	25%	13%	15%
* GIN FLAT	179	7,000	31.1	4-Mar	61.0	11.5	19%	37%	41%
PEREGOY MEADOWS	180	7,000	27.7	26-Feb	7.0	1.0	14%	4%	4%
Average	5 TOT.	7,810			27.3	6.1	22.8%	18%	21%

STANISLAUS BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation	Ave. W. C. on 01APR	Date	Depth	W. C.	Density	% of 01APR Ave.	
DEADMAN CREEK	345	9,250	34.1	25-Feb	38.0	12.5	33%	37%	48%
CLARK FORK MEADOW	344	8,900	38.8	25-Feb	43.5	14.0	32%	36%	46%
* GIANELLI MEADOW	427	8,400	46.9	25-Feb	33.0	15.0	45%	32%	39%
* LOWER RELIEF VALLEY	138	8,100	39.4	25-Feb	17.5	5.5	31%	14%	17%
SODA CREEK FLAT	139	7,800	21.4	25-Feb	6.0	1.0	17%	5%	6%
STANISLAUS MEADOW	384	7,750	43.9	28-Feb	24.0	7.5	31%	17%	20%
EAGLE MEADOW	140	7,500	23.1	25-Feb	6.0	1.0	17%	4%	5%
HERRING CREEK	142	7,300	27.1	25-Feb	7.0	1.5	21%	6%	6%
RELIEF DAM	143	7,250	19.4	25-Feb	5.0	1.0	20%	5%	6%
BLOODS CREEK	416	7,200	30.9	28-Feb	18.0	3.5	19%	11%	13%
CORRAL MEADOW	430	6,650	17.3	#N/A	#N/A	#N/A	#N/A	#N/A	0%
HELLS KITCHEN	373	6,550	19.8	28-Feb	12.5	2.0	16%	10%	10%
NIAGARA FLAT	145	6,500	18.7	25-Feb	5.0	1.0	20%	5%	6%
BLACK SPRINGS	386	6,500	21.5	28-Feb	9.5	2.0	21%	9%	10%
Average	13 TOT.	7,546			17.3	5.2	24.8%	15%	18%

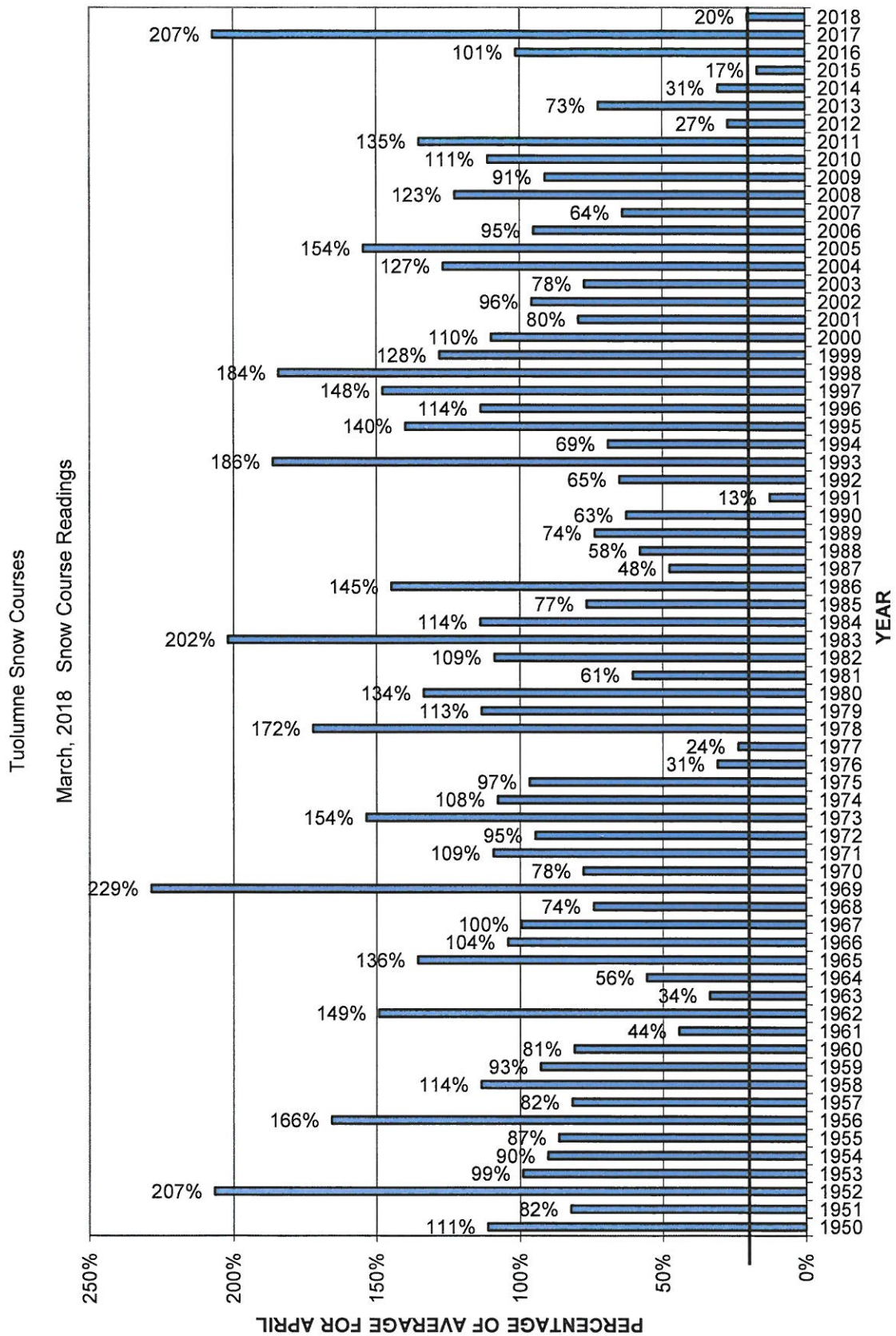
WALKER BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation	Ave. W. C. on 01APR	Date	Depth	W. C.	Density	% of 01APR Ave.	
* LEAVITT LAKE	421	9,600	48.2	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
VIRGINIA LAKES RIDGE	377	9,300	18.7	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
VIRGINIA LAKES	150	9,400	18.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
* SONORA PASS	152	8,750	24.4	25-Feb	23.0	7.5	33%	31%	34%
SAWMILL RIDGE	422	8,750	16.9	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
WILLOW FLAT	154	8,250	10.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Average	6 TOT.	9,008			23.0	7.5	33.0%	31%	34%

MONO LAKE BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation	Ave. W. C. on 01APR	Date	Depth	W. C.	Density	% of 01APR Ave.	
GEM PASS	281	10,750	34.7	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
* TIOGA PASS	181	9,800	27.7	27-Feb	32.0	10.5	33%	38%	47%
* SADDLEBAG LAKE	287	9,750	31.6	27-Feb	40.5	13.0	32%	41%	48%
* ELLERY LAKE (SNOW CO	286	9,600	29.4	27-Feb	39.0	11.5	29%	39%	47%
GEM LAKE (SNOW COURS	282	9,150	30.0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
Average	5 TOT.	9,810			37.2	11.7	31.3%	39%	47%

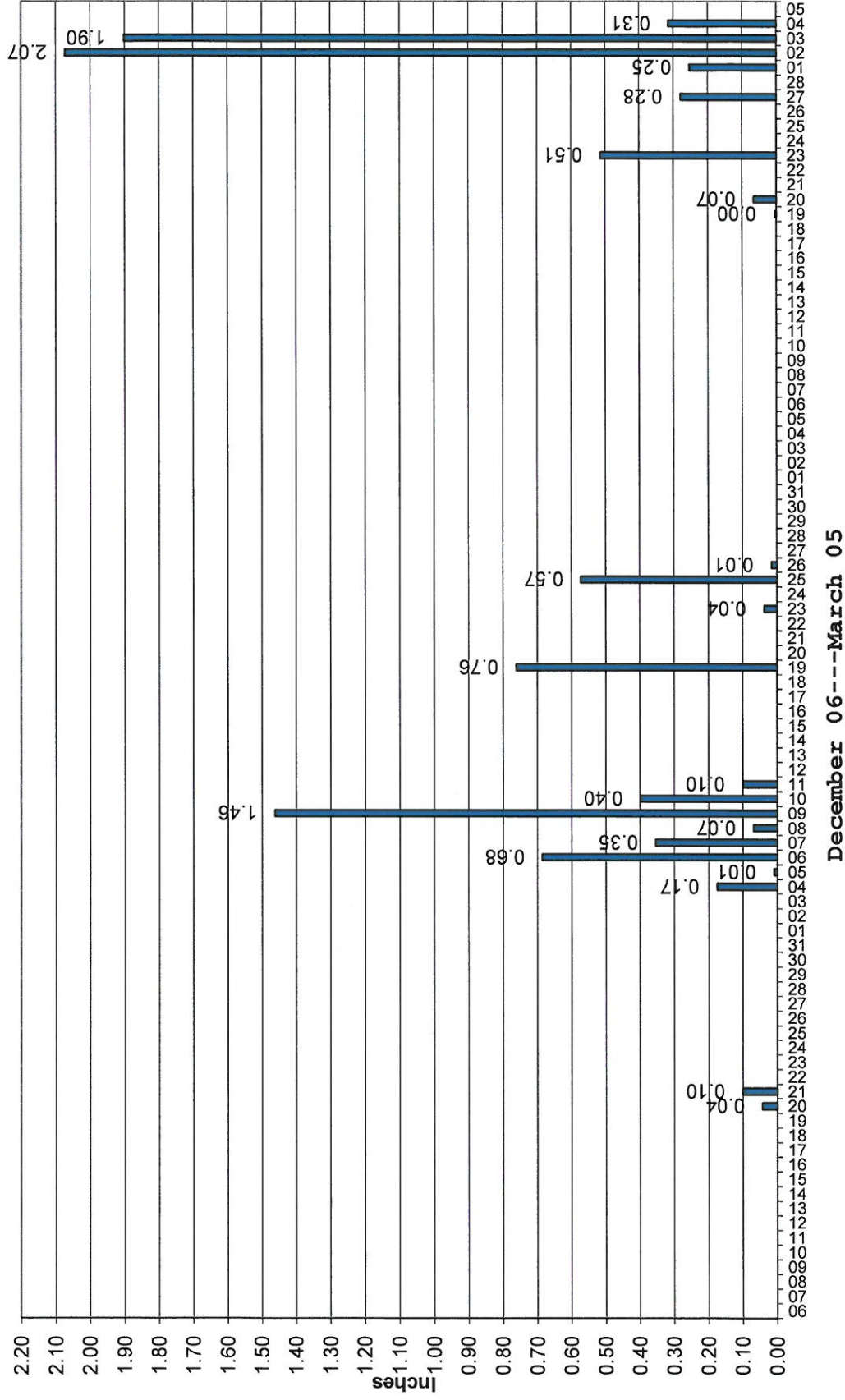
* Snow Courses Used In The Tuolumne River Forecast
n/a = Not Available



TURLOCK IRRIGATION DISTRICT

(fym)

Watershed Daily Precipitation Past 90 Days

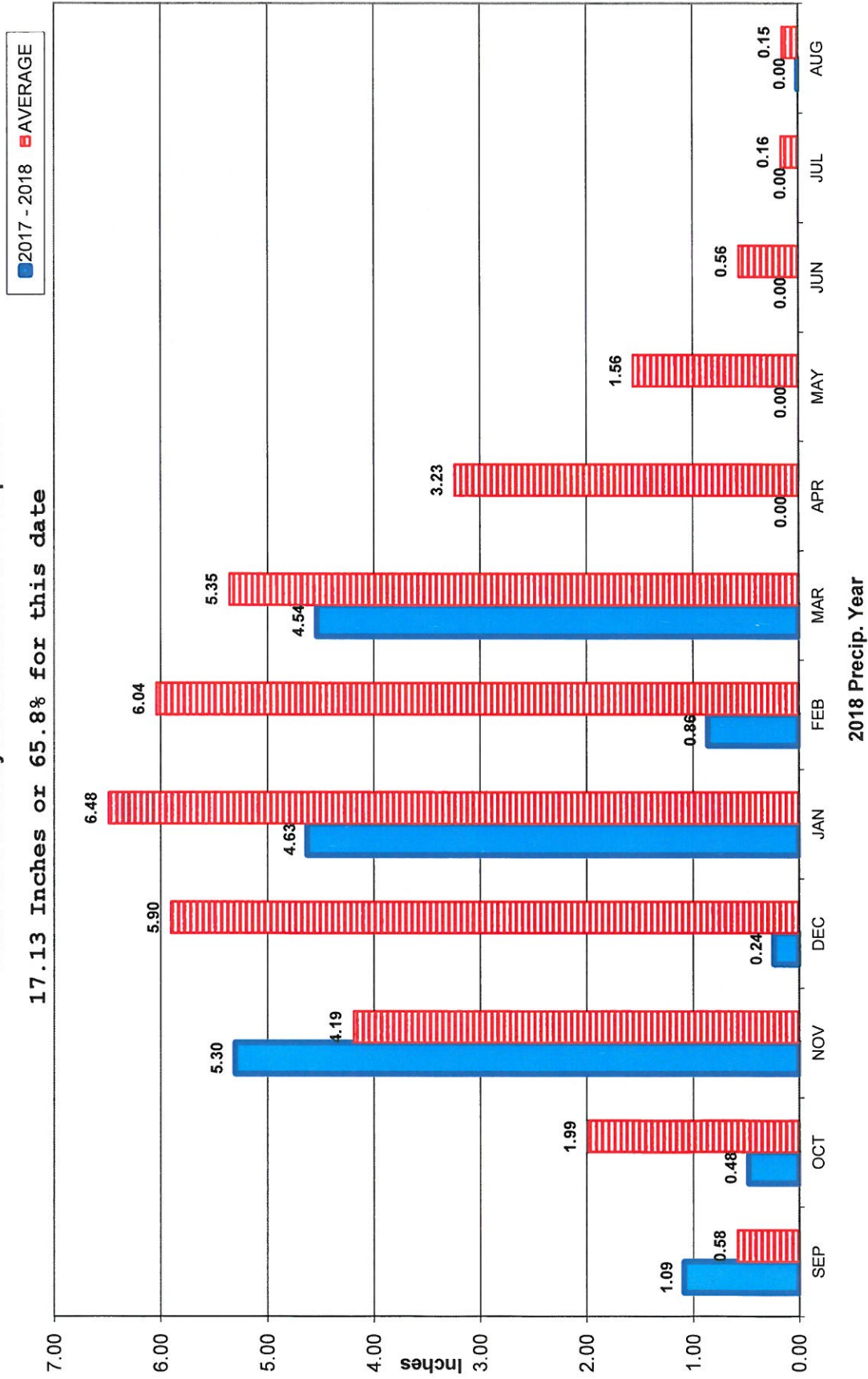


TURLOCK IRRIGATION DISTRICT

(fvm)

Watershed Monthly Accumulation of Precipitation

17.13 Inches or 65.8% for this date



TURLOCK IRRIGATION DISTRICT

(fvm)

Watershed Accumulated Precipitation

17.13 Inches or 65.8% for this date

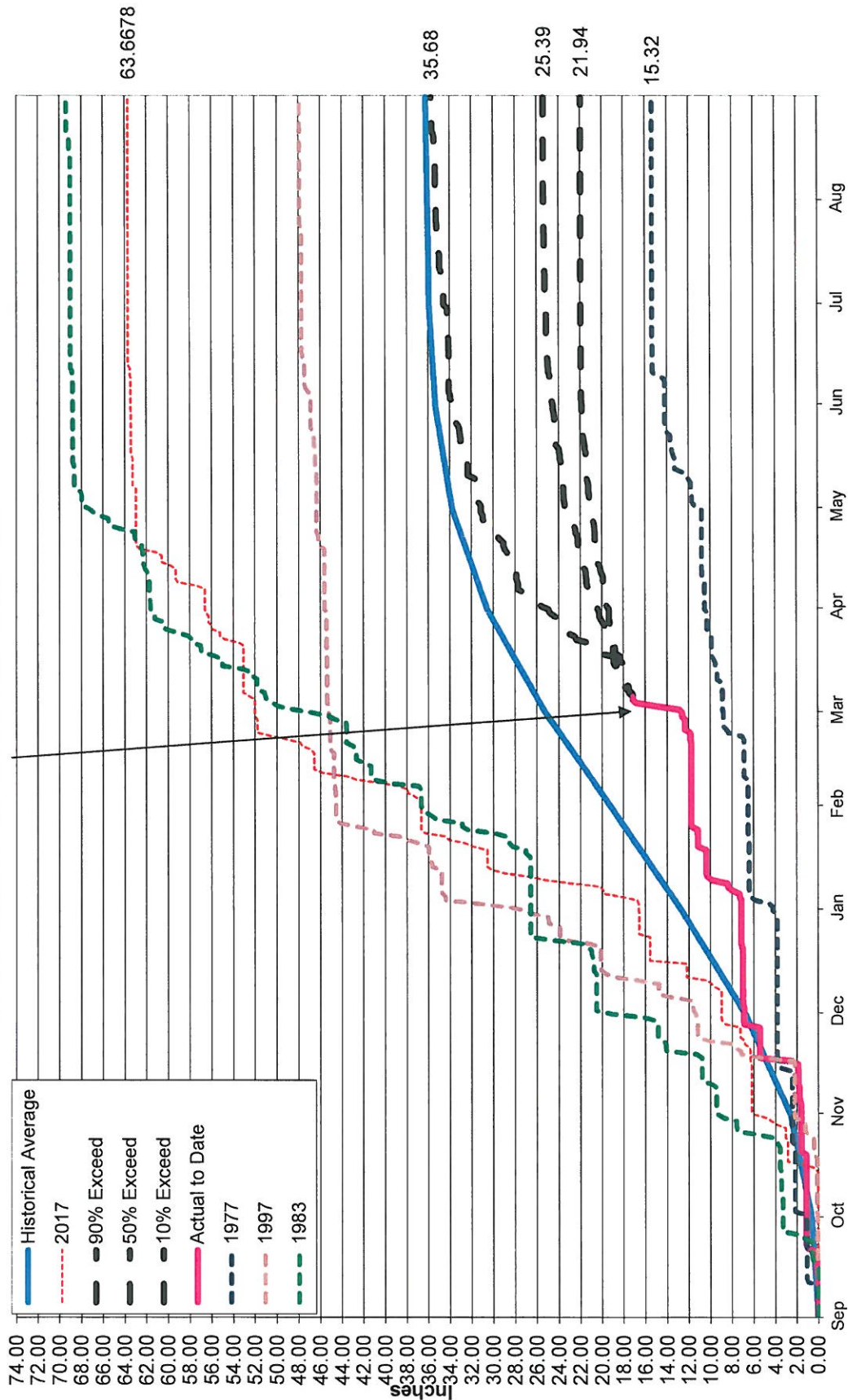


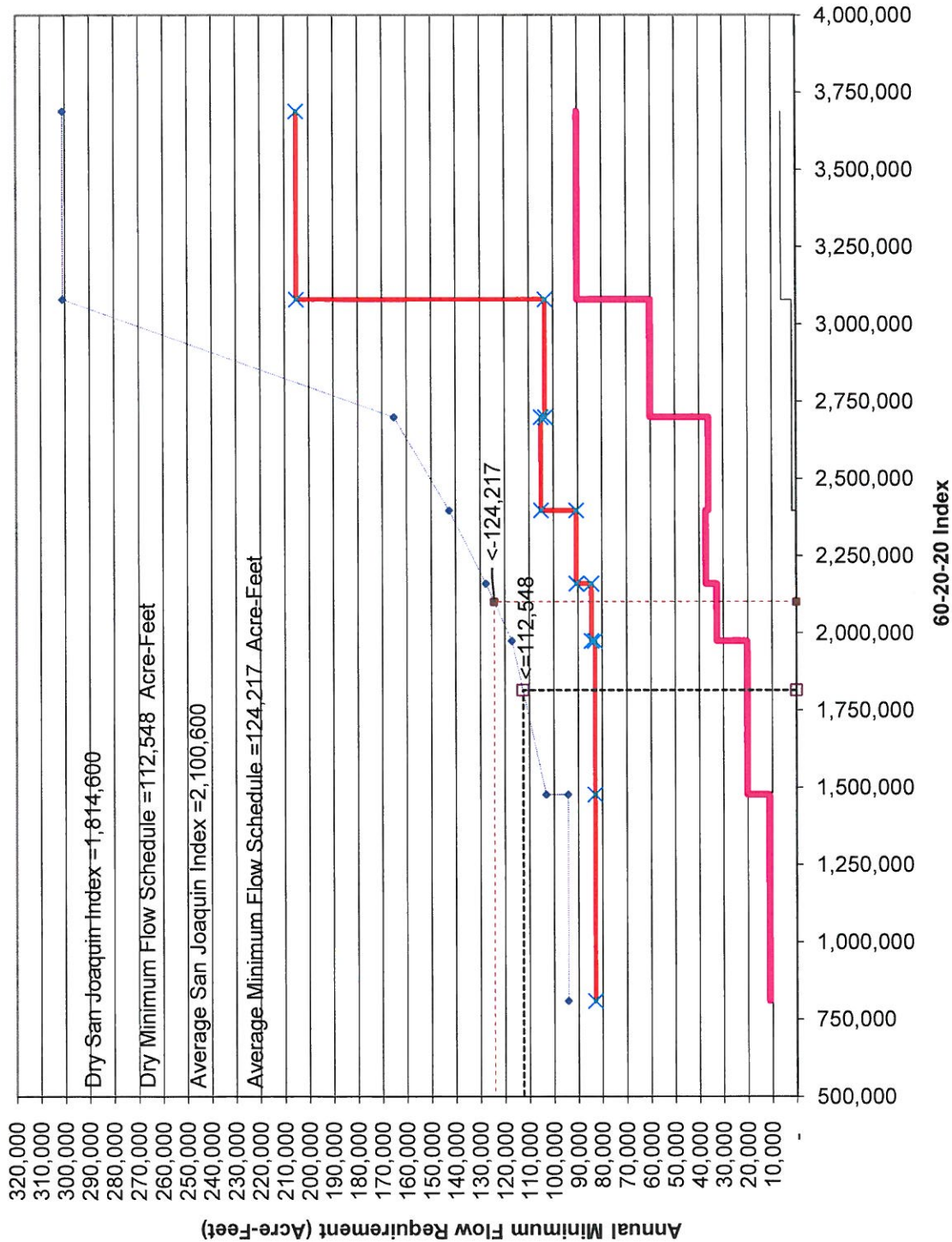
Table 2

SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION

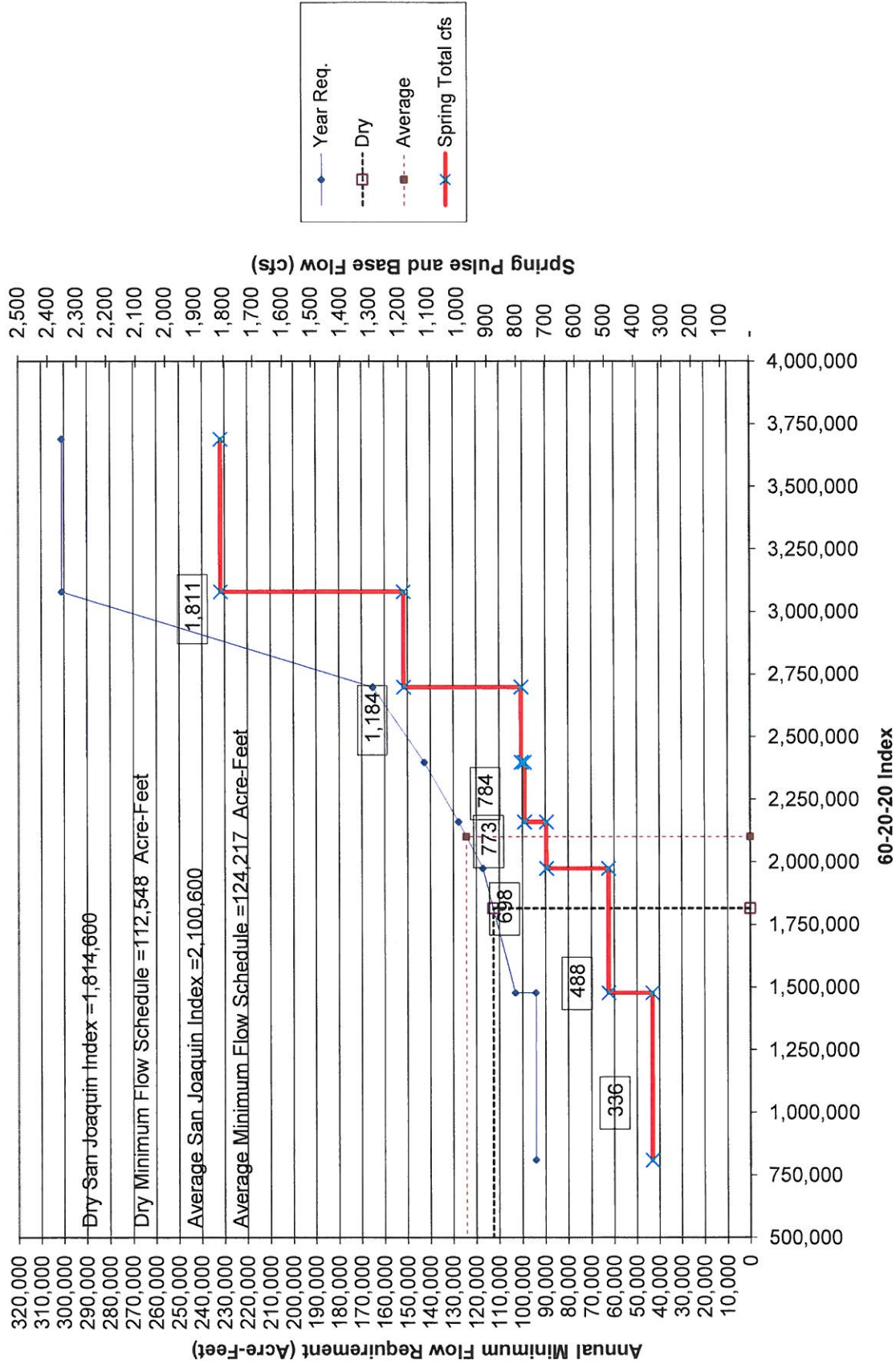
602020 INDEX

60-20-20		APRIL-JULY RUNOFF (AF)				OCTOBER-MARCH RUNOFF (AF)				602020 INDEX		TUOLUMNE RIVER		San Joaquin Index (not the FERC Index)	
YEAR	STATISTICALS	TUOLUMNE	MERCED	FRONT	TOTAL	STATISTICALS	TUOLUMNE	MERCED	FRONT	TOTAL	INDEX	MINIMUM FLOW REQUIREMENT			
17	1,440,796	2,454,149	1,232,846	2,641,009	7,768,900	1,570,518	2,276,847	1,222,014	1,585,049	6,654,428	6,462,633	300,923	Wet		
18	300,000	590,000	270,000	520,000	1,680,000	292,546	437,377	164,767	258,280	1,152,990	2,138,598	126,361	Dry		
Feb 1 Forecast															
Dry	300,000	530,000	270,000	520,000	1,680,000	293,000	437,000	165,000	258,000	1,153,000	2,138,600	126,361	Dry		
Average	370,000	720,000	330,000	680,000	2,100,000	333,000	487,000	195,000	308,000	1,323,000	2,424,500	144,604	Dry		
Wet	450,000	940,000	430,000	860,000	2,720,000	393,000	577,000	235,000	368,000	1,573,000	2,846,600	217,900	Below Normal		
Feb 13 Update															
Dry	230,000	470,000	210,000	390,000	1,300,000	293,000	437,000	165,000	258,000	1,153,000	1,910,600	115,257	Critical		
Average	300,000	600,000	270,000	550,000	1,720,000	333,000	487,000	195,000	308,000	1,323,000	2,196,600	129,866	Dry		
Wet	410,000	800,000	360,000	720,000	2,290,000	393,000	577,000	235,000	368,000	1,573,000	2,588,600	156,831	Below Normal		
Feb 20 Update															
Dry	210,000	410,000	180,000	340,000	1,140,000	293,000	437,000	165,000	258,000	1,153,000	1,814,600	112,548	Critical		
Average	280,000	550,000	240,000	450,000	1,560,000	333,000	487,000	195,000	308,000	1,323,000	2,100,600	124,217	Dry		
Wet	380,000	740,000	320,000	650,000	2,090,000	393,000	577,000	235,000	368,000	1,573,000	2,468,600	147,885	Dry		

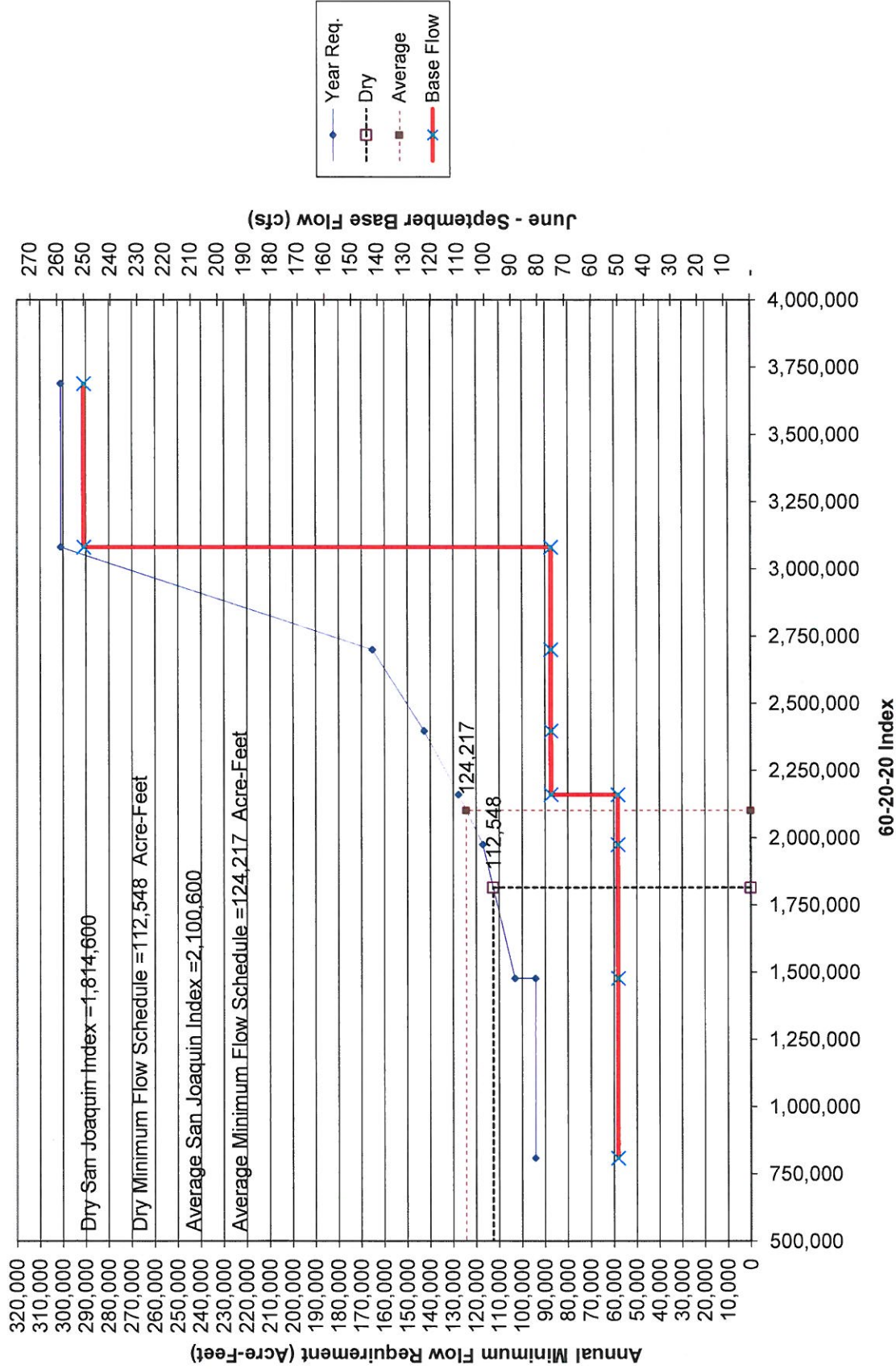
TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 1)
Annual Flow Requirement



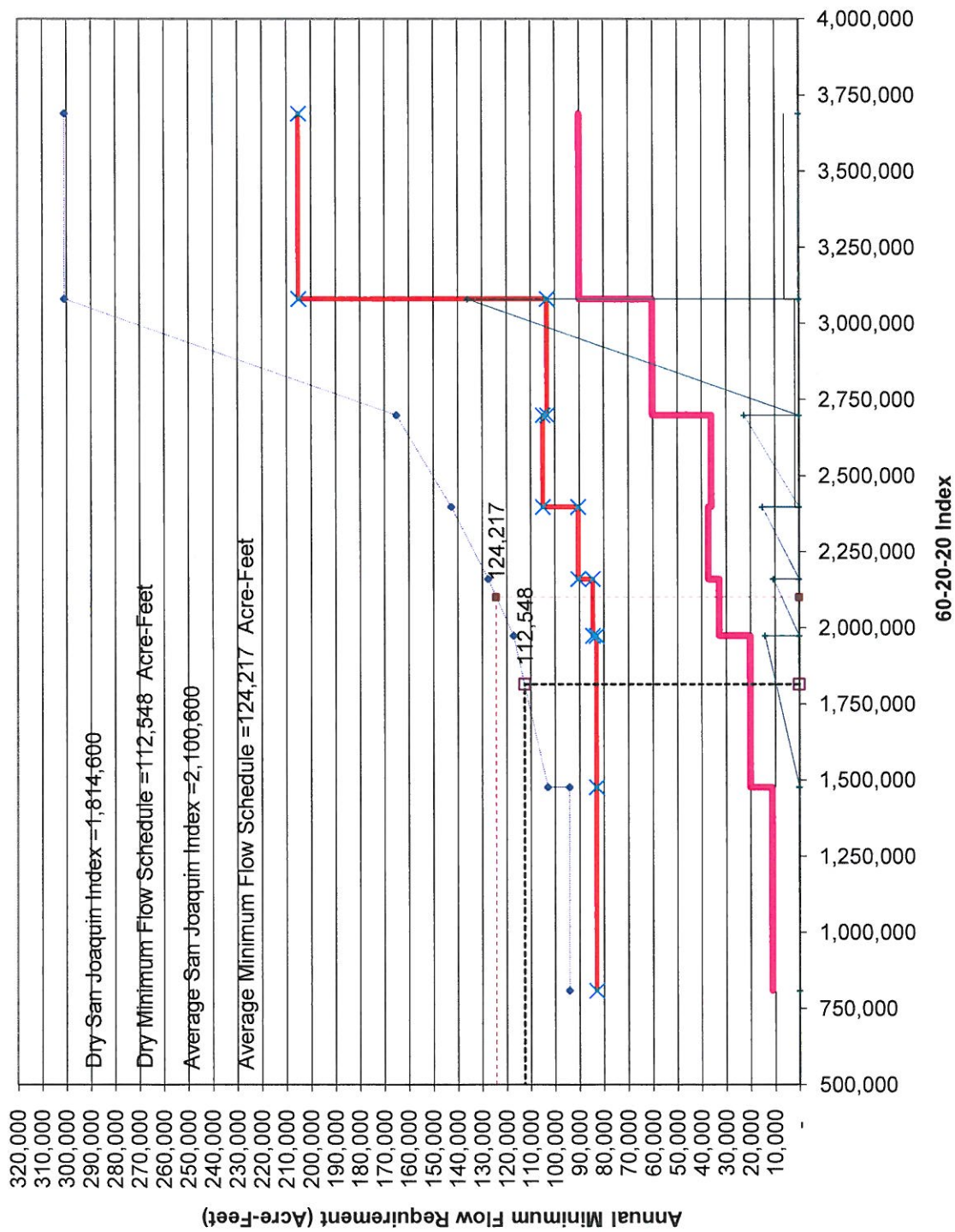
TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 2)
(Spring Pulse Flow Plus Base Flow)



TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 3)
(Summer Base Flow)



TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 4)
Interpolation Volume



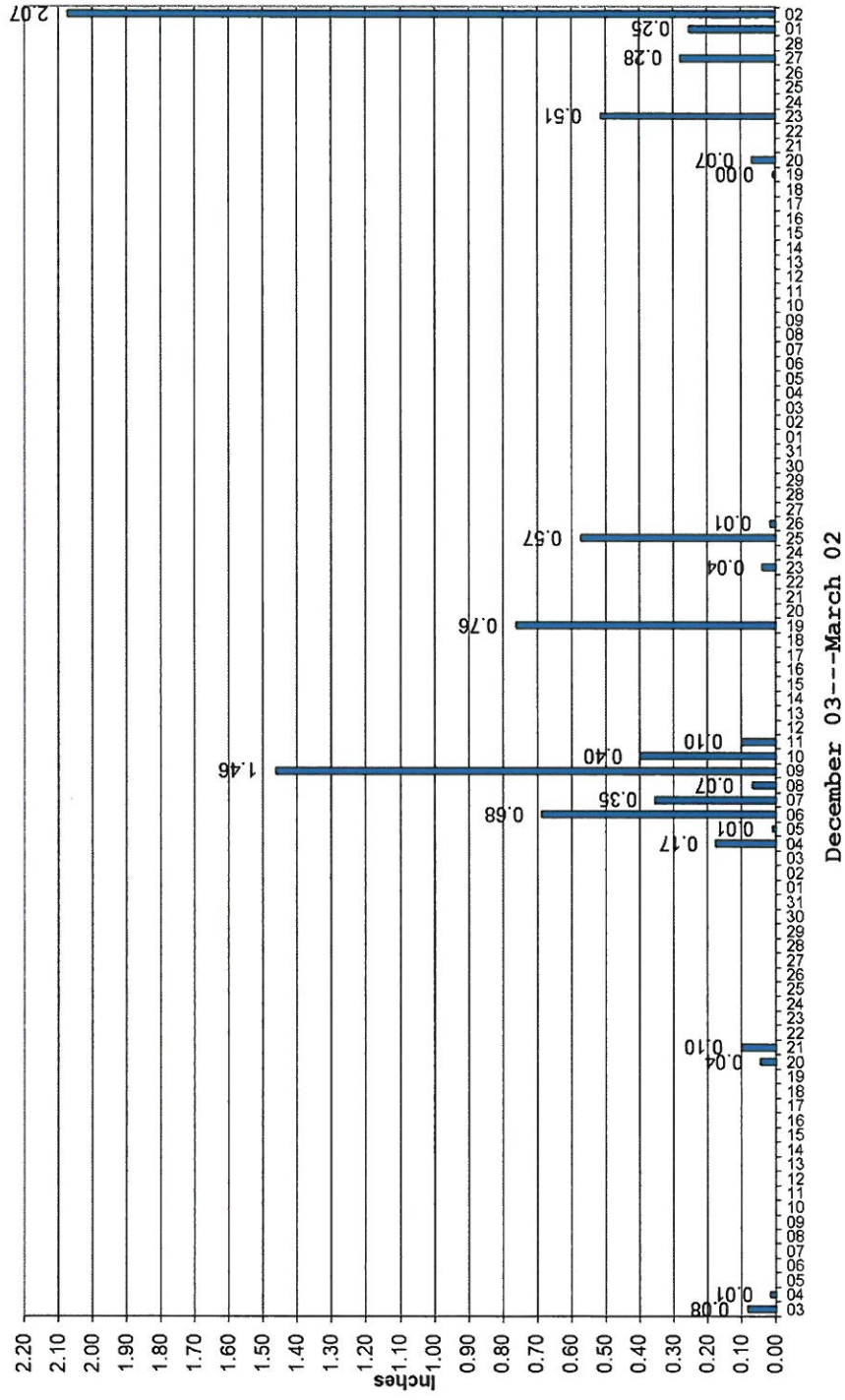
Current Conditions

Sunday, March 4, 2018

- Rainfall for the next 16 days is forecasted between 3" to 6".
- National Weather Service Sacramento Office Comments
 - Forecast Confidence
 - High
 - Timing and Strength
 - Today - Saturday
 - Brief Break before widespread precipitation resumes this afternoon/evening
 - Additional snow accumulations between 1 and 3 feet for the Sierra;
 - » 6 to 12 inches for Sierra foothills (see Winter Storm.jpg for entire area)
 - » Light accumulations for Sierra north of I-80 through Sunday (added)
 - Snow levels between 1000 and 2000 feet.
 - Afternoon thunderstorms possible in the Valley
 - Weather Summary
 - Cold and snowy winter storm continues through Saturday night. Light accumulations will continue for mountains north of I-80. Major impacts to travel across a wide range of elevations are expected. Breezy winds expected today as cold front moves through along with the chance for valley thunderstorms Thursday PM and Friday PM. Another storm is possible for the middle of next week, but timing and details remain uncertain as this point.

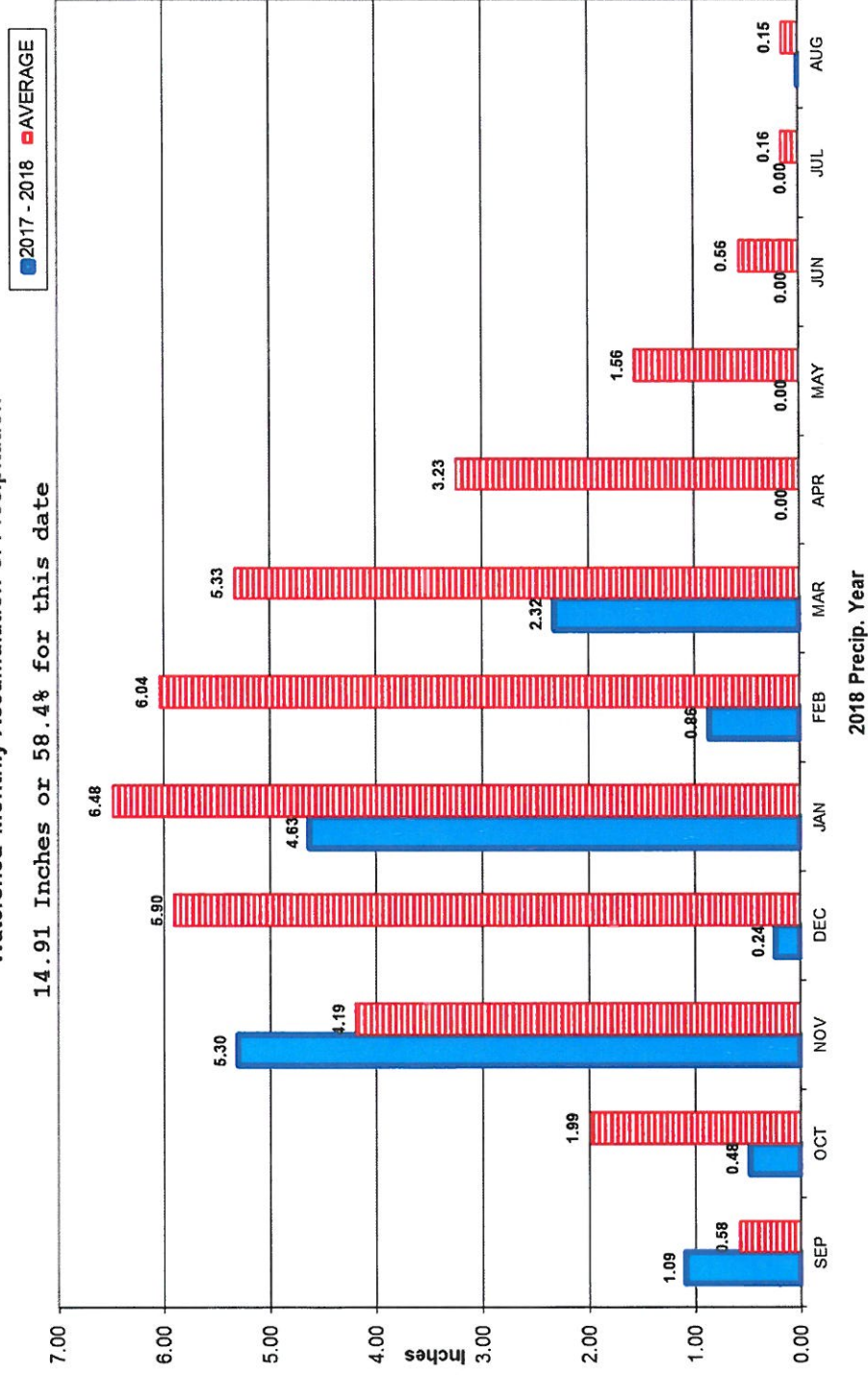
Current Conditions

Watershed Daily Precipitation Past 90 Days



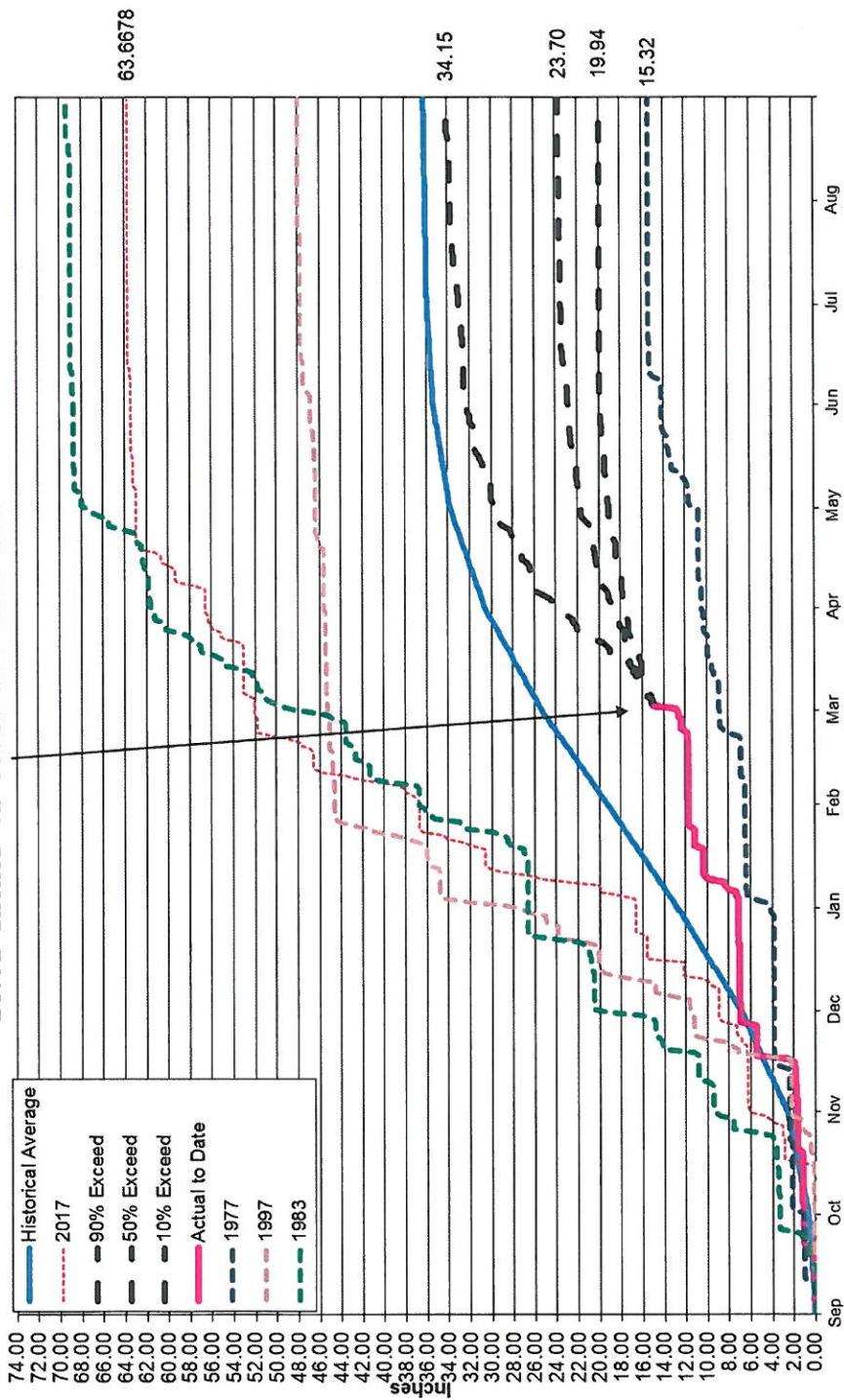
Watershed Monthly Accumulation of Precipitation

14.91 Inches or 58.4% for this date



Watershed Accumulated Precipitation

14.91 Inches or 58.4% for this date



DEPARTMENT OF WATER RESOURCES - CALIFORNIA DATA EXCHANGE CENTER

SNOW WATER EQUIVALENTS (IN INCHES) ---

As of 03/02/18

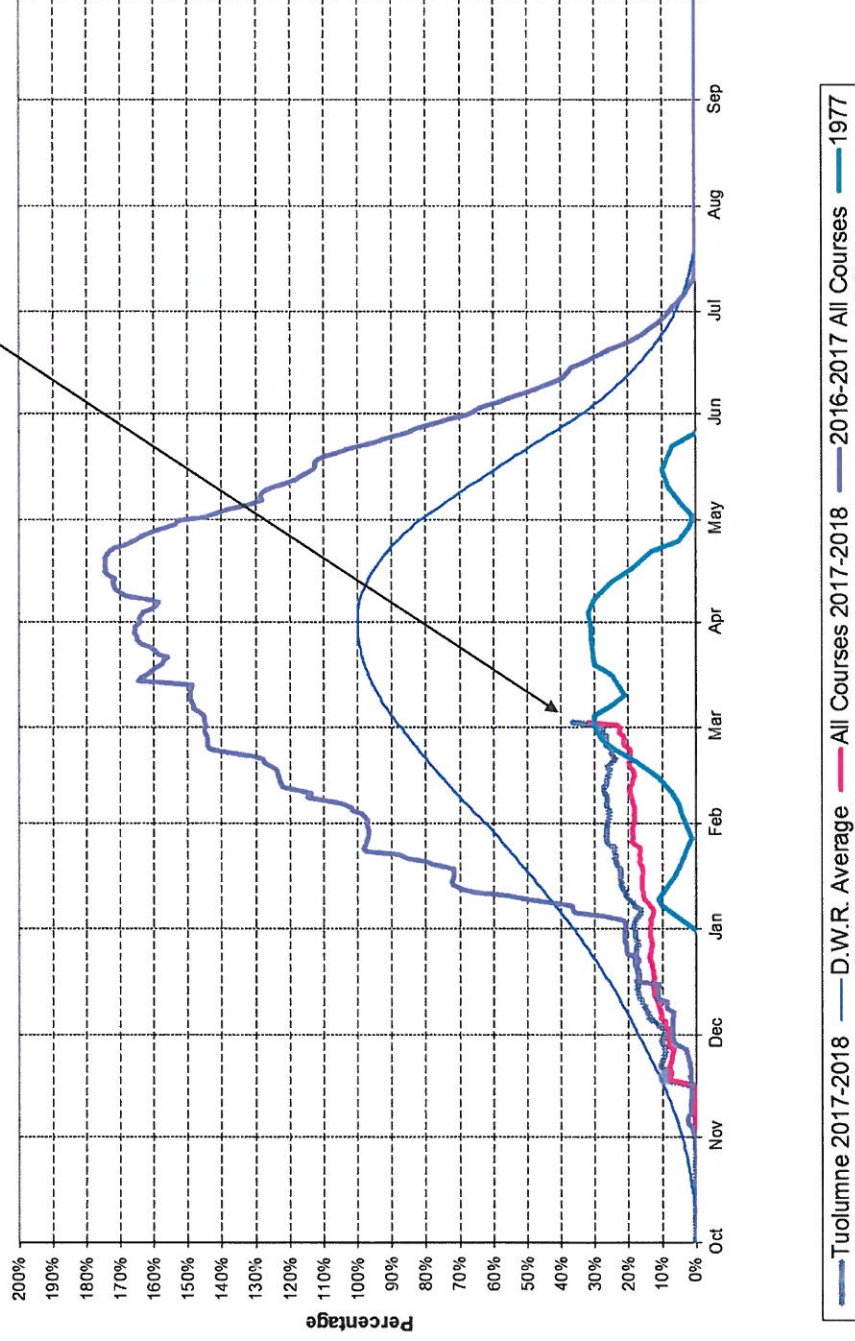
BASIN NAME STATION NAME	COOPERATIVE AGENCY	ELEV FEET	APR 1 AVG	TODAY	PERCENT OF APR 1	LAST WEEK	DIFF. FROM LAST WEEK
TUOLUMNE							
* DANA MEADOWS	DWR	9800	27.70	12.57	45.38%	9.89	2.68
* SLIDE CANYON	DWR	9200	41.10	19.98	48.61%	15.66	4.32
* TUOLUMNE MEADOWS	DWR	8600	22.60	5.22	23.10%	4.74	0.48
* HORSE MEADOW	DWR	8400	48.60	24.52	50.45%	18.49	6.03
* PARADISE	DWR	7650	41.30	13.18	31.91%	8.60	4.58
* LOWER KIBBIE	DWR	6600	27.40	5.38	19.64%	1.51	3.87
			AVERAGE		36.52%	AVERAGE	3.66
MERCED							
TENAYA LAKE ²	DWR	8150	33.10	9.80	29.61%	7.43	2.37
OSTRANDER LAKE	DWR	8200	34.80				0.00
* GIN FLAT	DWR	7050	34.20	6.00	17.54%	1.92	4.08
			AVERAGE		23.58%	AVERAGE	2.15
MONO LAKE							
GEM PASS	LADWP	10750	31.70	10.47	33.03%	7.86	2.61
STANISLAUS							
DEADMAN CREEK	USBR	9250	37.20	10.92	29.35%	8.64	2.28
* GIANELLI MEADOW	USBR	8350	55.50				0.00
* LOWER RELIEF	DWR	8100	41.20				
STANISLAUS MEADOW	USBR	7750	47.50	8.98	18.91%	8.14	0.84
BLOODS CREEK	USBR	7200	35.50	--	0.00%	--	0.00
BLACK SPRINGS	USBR	6500	32.00	6.60	20.63%	2.64	3.96
			AVERAGE		17.22%	AVERAGE	1.42
WALKER							
* VIRGINIA LAKES RIDGE	SCS	9200	20.30	7.60	37.44%	3.40	4.20
LOBDELL LAKE	SCS	9200	17.30	7.70	44.51%	4.70	3.00
* SONORA PASS	SCS	8750	26.00	8.90	34.23%	6.50	2.40
LEAVITT MEADOWS	SCS	7200	8.00	2.50	31.25%	0.50	2.00
			AVERAGE		36.86%	AVERAGE	2.90

4/9/2018

* Snow sensors that are used for the D.W.R. Tuolumne River Forecast.

Snow Sensors Used in Tuolumne River Forecast

36.5% Average of Apr. 1 or
41.2% Average for Date



Rain Forecasts

NATIONAL WEATHER SERVICE FORECASTED RAINFALL (INCHES) :Run Mar 02 2018 16:37 GMT

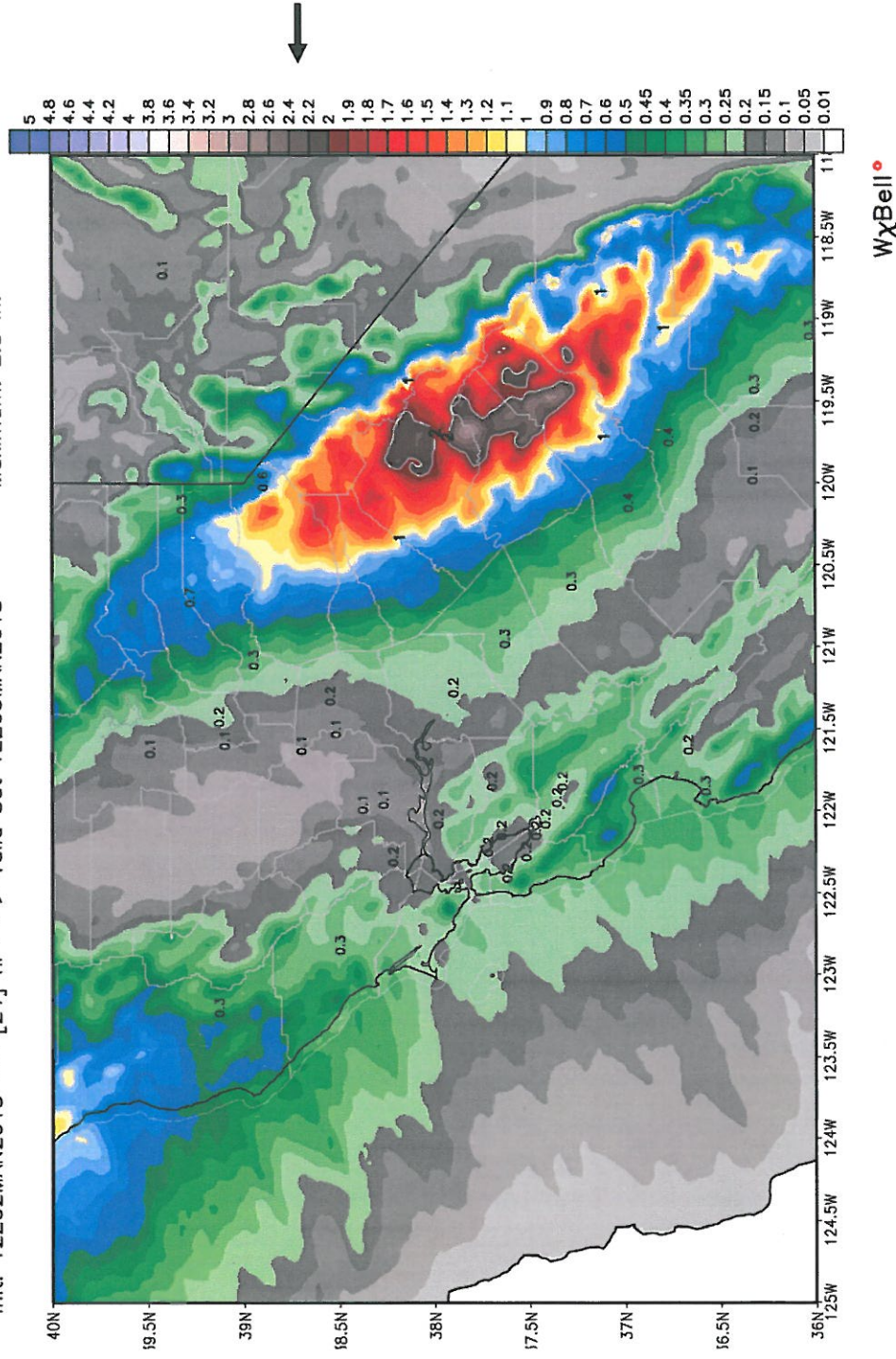
ENDING 6 HOUR TIME PERIOD	Modesto			Don Pedro			Hetch Hetchy			Cherry Valley		
	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total
03/02/2018 10:00 (10 AM) Fri	0.08			0.38			0.42			0.40		
03/02/2018 16:00 (4 PM) Fri	0.08			0.29			0.31			0.31		
03/02/2018 22:00 (10 PM) Fri	0.11			0.42			0.44			0.47		
03/03/2018 04:00 (4 AM) Sat	0.10	0.37	0.37	0.50	1.59	1.59	0.53	1.70	1.70	0.53	1.71	1.71
03/03/2018 10:00 (10 AM) Sat	0.04			0.19			0.21			0.17		
03/03/2018 16:00 (4 PM) Sat	0.04			0.11			0.13			0.11		
03/03/2018 22:00 (10 PM) Sat	0.02			0.08			0.08			0.09		
03/04/2018 04:00 (4 AM) Sun	0.00	0.10	0.47	0.01	0.39	1.98	0.02	0.44	2.14	0.02	0.39	2.10
03/04/2018 10:00 (10 AM) Sun	0.00			0.00			0.00			0.00		
03/04/2018 16:00 (4 PM) Sun	0.00			0.00			0.00			0.00		
03/04/2018 22:00 (10 PM) Sun	0.00			0.00			0.00			0.00		
03/05/2018 04:00 (4 AM) Mon	0.00	0.00	0.47	0.00	0.00	1.98	0.00	0.00	2.14	0.00	0.00	2.10
03/05/2018 10:00 (10 AM) Mon	0.00			0.00			0.00			0.00		
03/05/2018 16:00 (4 PM) Mon	0.00			0.00			0.00			0.00		
03/05/2018 22:00 (10 PM) Mon	0.00			0.00			0.00			0.00		
03/06/2018 04:00 (4 AM) Tue	0.00	0.00	0.47	0.00	0.00	1.98	0.00	0.00	2.14	0.00	0.00	2.10
03/06/2018 10:00 (10 AM) Tue	0.00			0.00			0.00			0.00		
03/06/2018 16:00 (4 PM) Tue	0.00			0.00			0.00			0.00		
03/06/2018 22:00 (10 PM) Tue	0.00			0.00			0.00			0.00		
03/07/2018 04:00 (4 AM) Wed	0.00	0.00	0.47	0.00	0.00	1.98	0.00	0.00	2.14	0.00	0.00	2.10

NATIONAL WEATHER SERVICE FORECASTED RUNOFF (CFS) :Run Mar 02 2018 16:37 GMT													
Adj for 10 Day Forecast													
ENDING 6 HOUR TIME PERIOD	Total Natural Flow to Don Pedro			Cherry Valley			Hetch Hetchy			Lake Eleanor			
	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	
03/02/2018 10:00 Fri	2,540			170			340			110			
03/02/2018 16:00 Fri	2,730			110			280			80			
03/02/2018 22:00 Fri	3,010			90			230			60			
03/03/2018 04:00 Sat	2,340	2,655	5,266	80	113	223	200	263	521	60	78	154	
03/03/2018 10:00 Sat	2,000			80			190			50			
03/03/2018 16:00 Sat	1,860			70			180			50			
03/03/2018 22:00 Sat	1,480			70			180			50			
03/04/2018 04:00 Sun	1,300	1,660	8,559	70	73	367	180	183	883	50	50	253	
03/04/2018 10:00 Sun	890			70			170			50			
03/04/2018 16:00 Sun	700			0			100			0			
03/04/2018 22:00 Sun	793		10,131	0	35	436	100	135	1,150	0	25	302	
03/05/2018 04:00 Mon	600			0			100			0			
03/05/2018 10:00 Mon	600			0			100			0			
03/05/2018 16:00 Mon	600			0			100			0			
03/05/2018 22:00 Mon	600			0			100			0			
03/06/2018 04:00 Tue	500	575	11,271	0	-	436	100	100	1,349	0	-	302	
03/06/2018 10:00 Tue	500			0			100			0			
03/06/2018 16:00 Tue	600			0			100			0			
03/06/2018 22:00 Tue	600			0			100			0			
03/07/2018 04:00 Wed	0	425	12,114	0	-	436	0	75	1,498	0	-	302	

ENDING 6 HOUR TIME PERIOD	Natural Inflow to Don Pedro Only			Release From DP			CCSF		D.P. Elev. & St.		Dry Creek (INSTANTANEOUS FLOW)		
	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	Release CFS	Feet	A.F.	AMOUNT FOR PERIOD	24 HR. AMOUNT	Total A.F.	
03/02/2018 10:00 Fri	1,920			2,000			219	799.8	1,666,841	0			
03/02/2018 16:00 Fri	2,260			2,000			189	799.8	1,667,064	0			
03/02/2018 22:00 Fri	2,630			2,000			169	799.8	1,667,460	0			
03/03/2018 04:00 Sat	2,000	2,203	4,369	2,000	2,000	3,967	169	799.8	1,667,544	0	-	-	
03/03/2018 10:00 Sat	1,680			2,000			159	799.8	1,667,464	0			
03/03/2018 16:00 Sat	1,560			2,000			159	799.8	1,667,325	0			
03/03/2018 22:00 Sat	1,180			2,000			159	799.8	1,666,997	0			
03/04/2018 04:00 Sun	1,000	1,355	7,056	2,000	2,000	7,934	159	799.7	1,666,580	0	-	-	
03/04/2018 10:00 Sun	690			2,000			159	799.7	1,666,009	0			
03/04/2018 16:00 Sun	600			2,000			159	799.6	1,665,394	0			
03/04/2018 22:00 Sun	600			2,000			109	799.6	1,664,754	0			
03/05/2018 04:00 Mon	500	598	8,241	2,000	2,000	11,901	109	799.5	1,664,064	0	-	-	
03/05/2018 10:00 Mon	500			2,000			109	799.4	1,663,375	0			
03/05/2018 16:00 Mon	500			2,000			109	799.4	1,662,685	0			
03/05/2018 22:00 Mon	500			2,000			109	799.3	1,661,995	0			
03/06/2018 04:00 Tue	400	475	9,183	2,000	2,000	15,868	109	799.3	1,661,256	0	-	-	
03/06/2018 10:00 Tue	400			2,000			109	799.2	1,660,517	0			
03/06/2018 16:00 Tue	500			2,000			109	799.1	1,659,827	0			
03/06/2018 22:00 Tue	500			2,000			109	799.1	1,659,137	0			
03/07/2018 04:00 Wed	0	350	9,878	2,000	2,000	19,835	109	799.0	1,658,200	0	-	-	

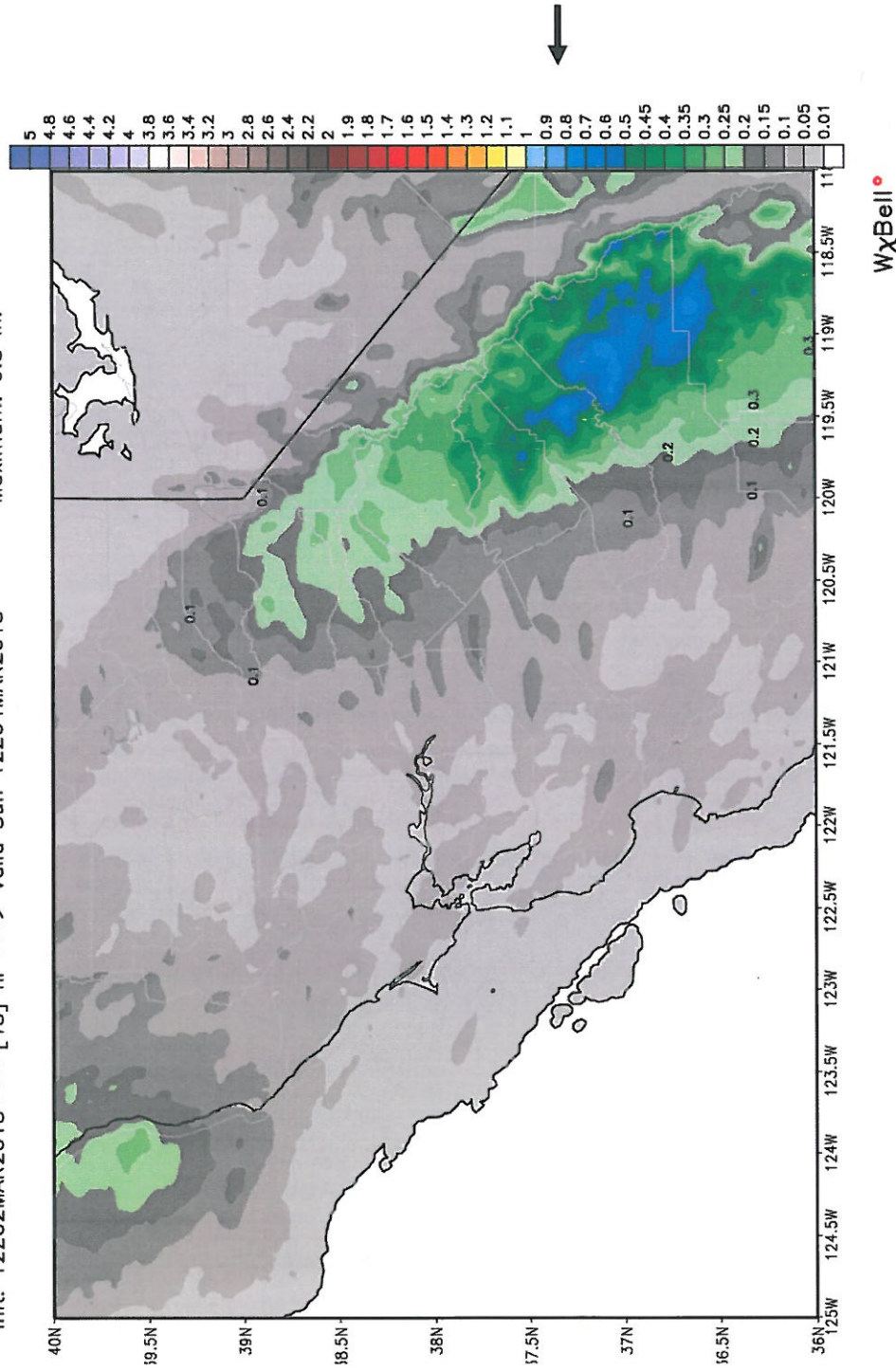
WPC-Total Rainfall, Day 1

NCEP WPC [2.5-km] 24-hourly Precipitation [inches] between 12Z02MAR2018 -- 12Z03MAR2018
 Init: 12Z02MAR2018 -- [24] hr --> Valid Sat 12Z03MAR2018 Maximum: 2.8 in.



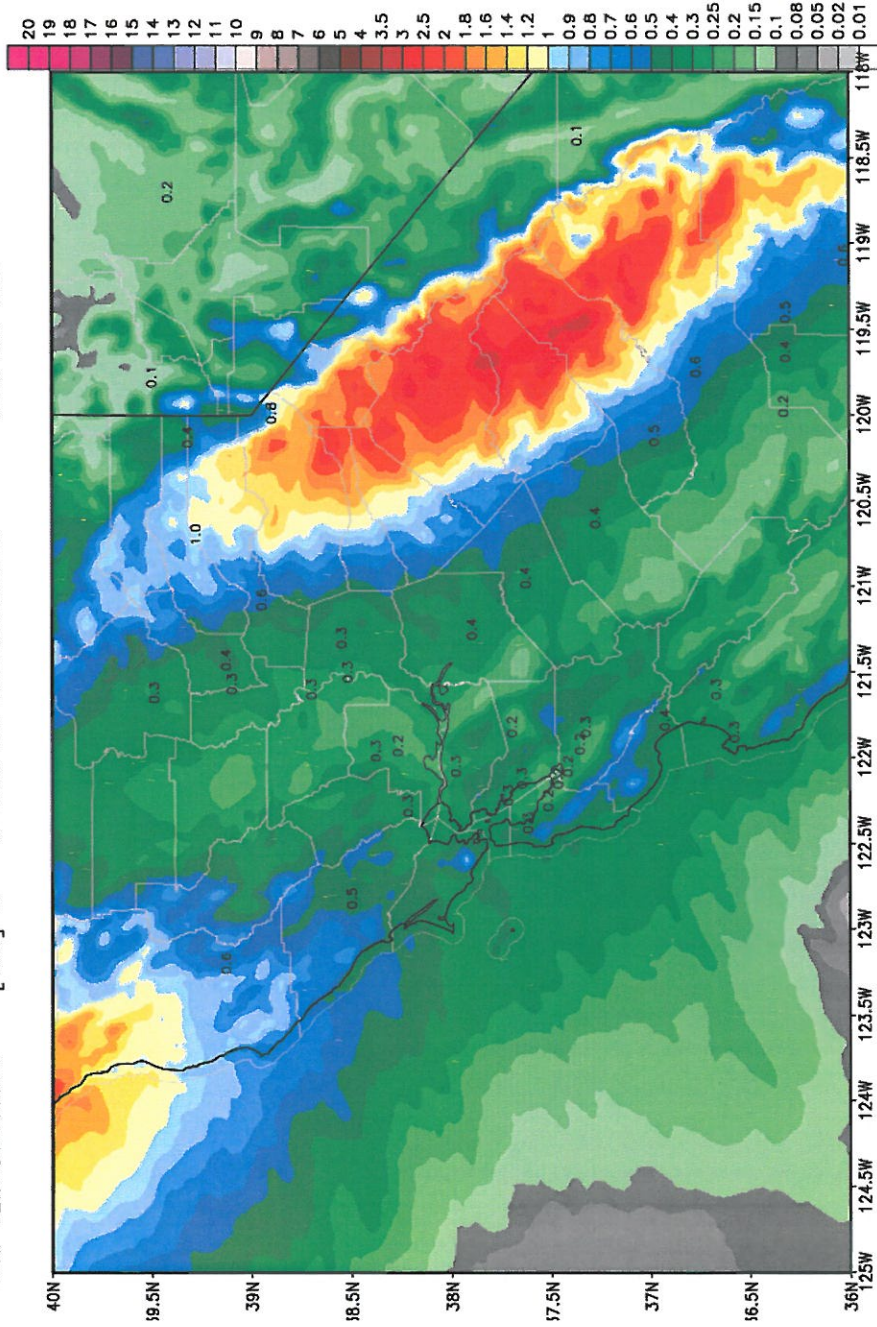
WPC-Total Rainfall, Day 3

NCEP WPC [2.5-km] 24-hourly Precipitation [inches] between 12Z03MAR2018 -- 12Z04MAR2018
 Init: 12Z02MAR2018 -- [48] hr --> Valid Sun 12Z04MAR2018 Maximum: 0.8 in.

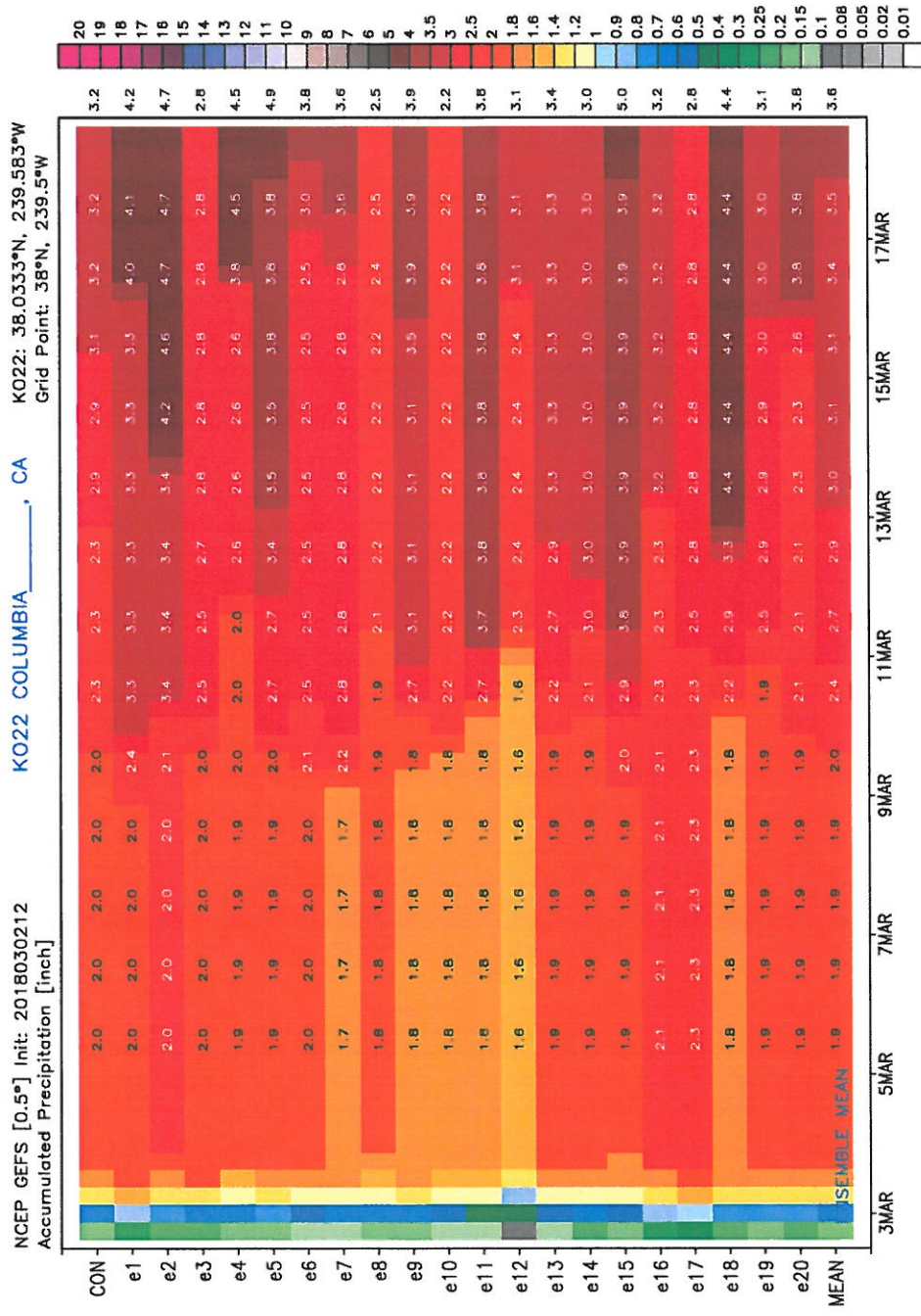


WPC-Total Rainfall, 7 Day Total

NCEP WPC Accumulated Precip [inches] Forecast between 12Z02MAR2018 -- 12Z09MAR2018
 Init: 12Z02MAR2018 -- [168] hr --> Valid Fri 12Z09MAR2018 Max: 3.4 inch

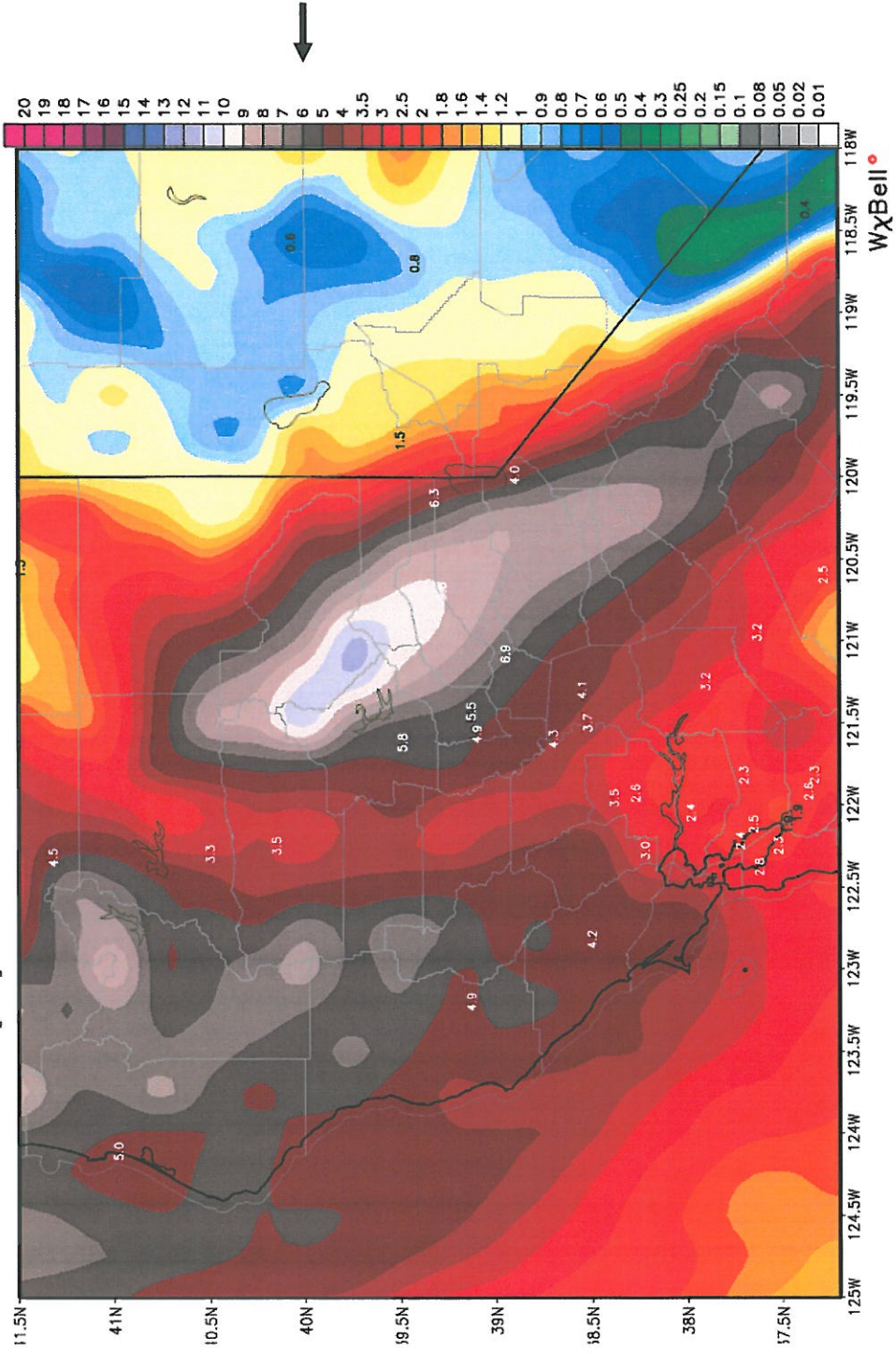


NCEP GEFS 16 Day or 384 Hour Ensemble Forecast



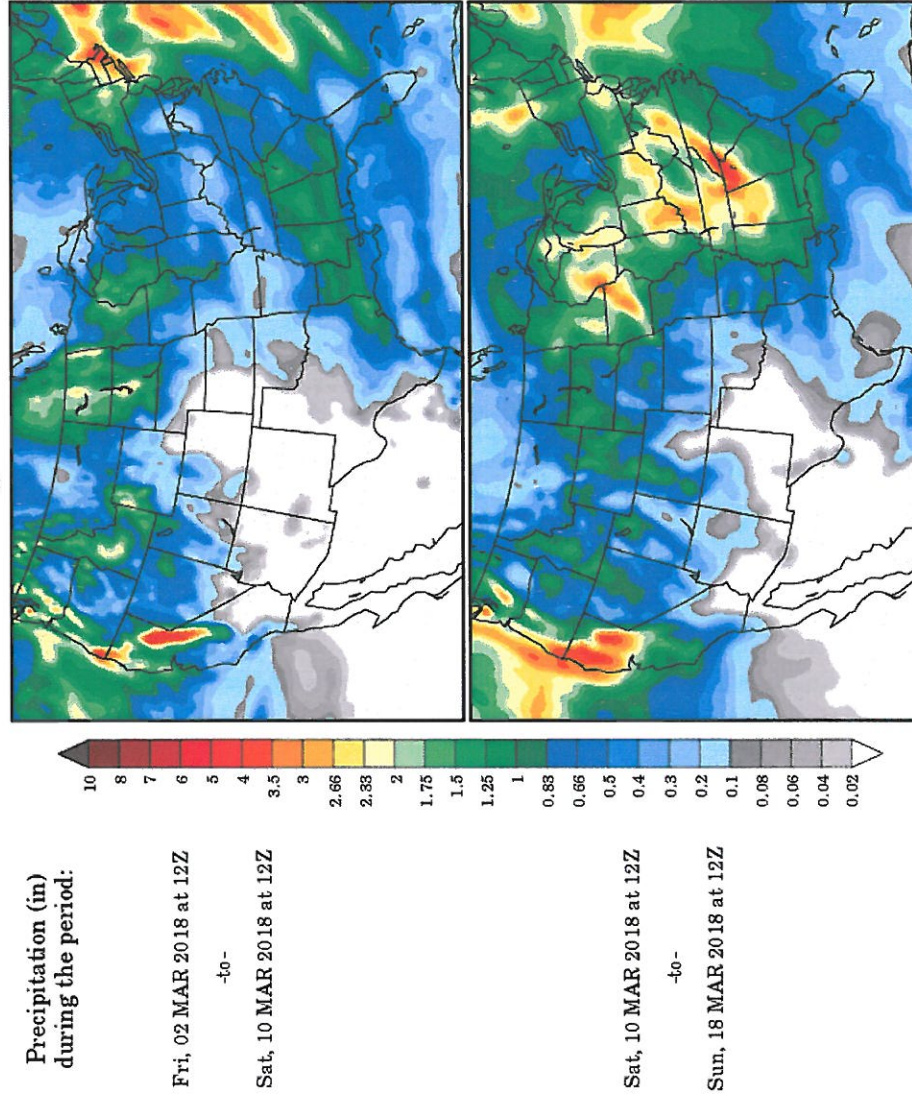
NWS 16 Day or 384 Hour Forecast-Deterministic

NCEP GFS Precipitation [inches] between 12Z02MAR2018 -- 12Z18MAR2018
 Init: 12Z02MAR2018 -- [384] hr --> Valid Sun 12Z18MAR2018

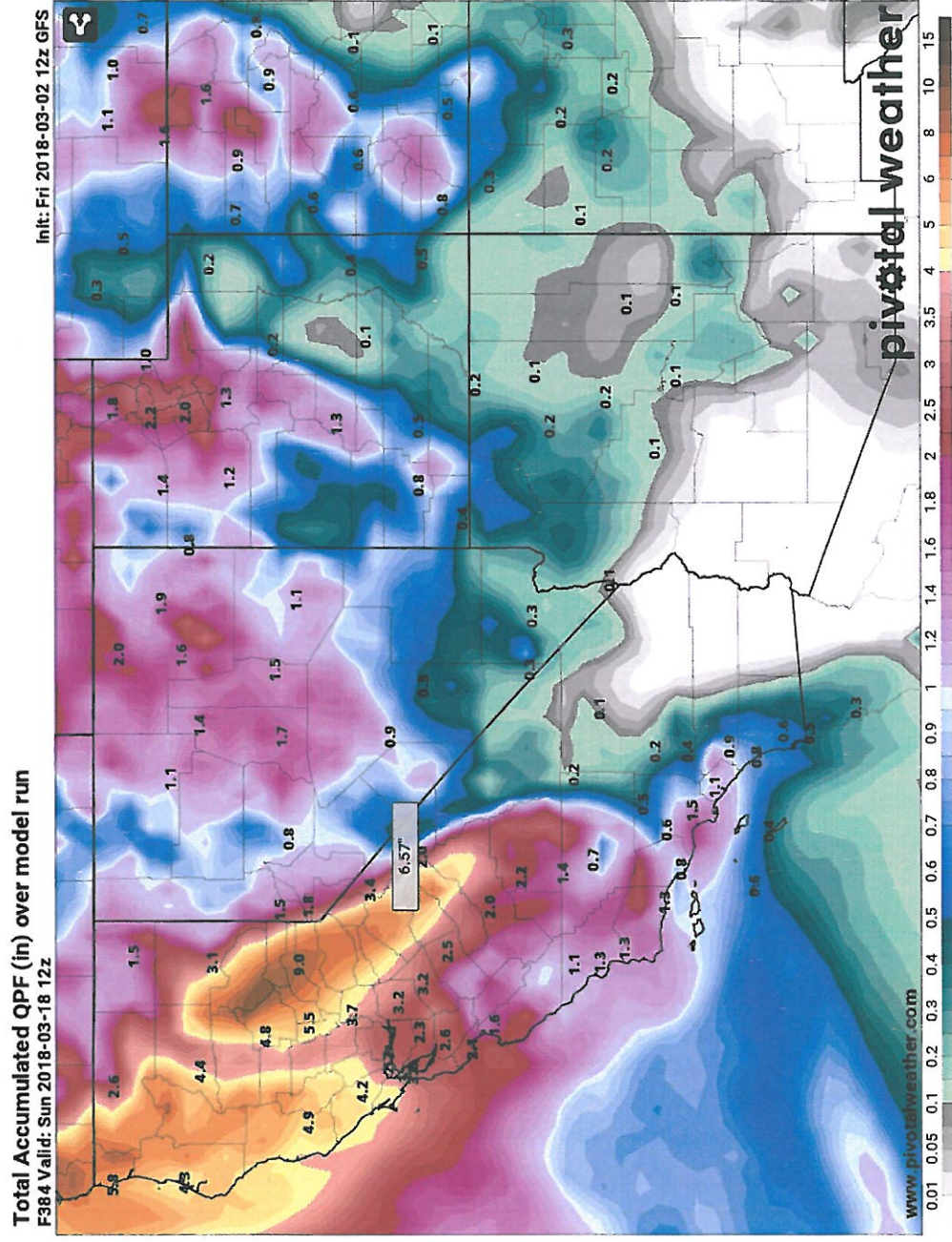


Precipitation forecasts from the National Centers for Environmental Prediction.
 Normal rainfall derived from Xie-Arkin (CMAP) Monthly Climatology for 1979-2003.
 Forecast Initialization Time: 12Z02MAR2018

Precipitation Forecasts

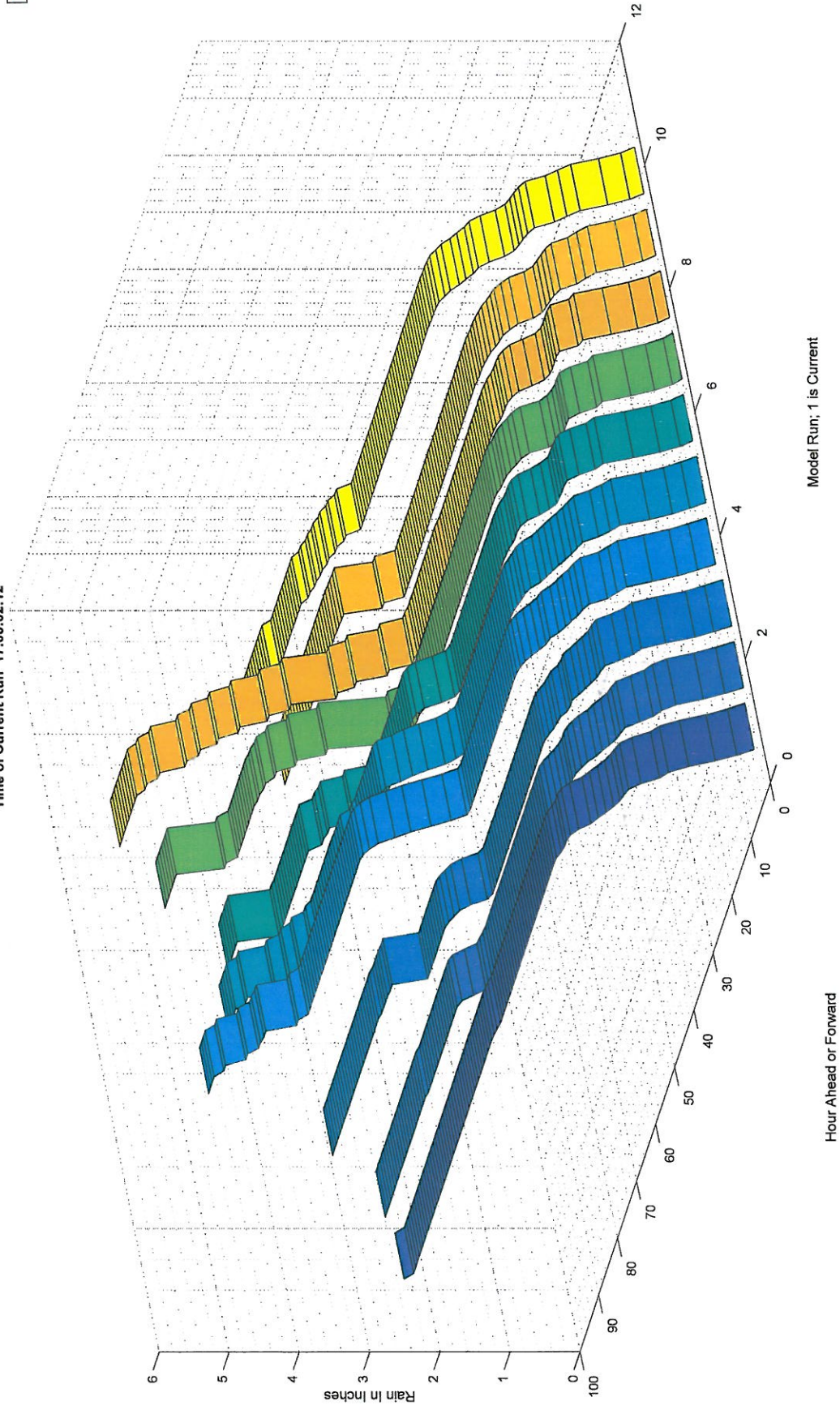


NWS 16 Day or 384 Hour Forecast-Deterministic

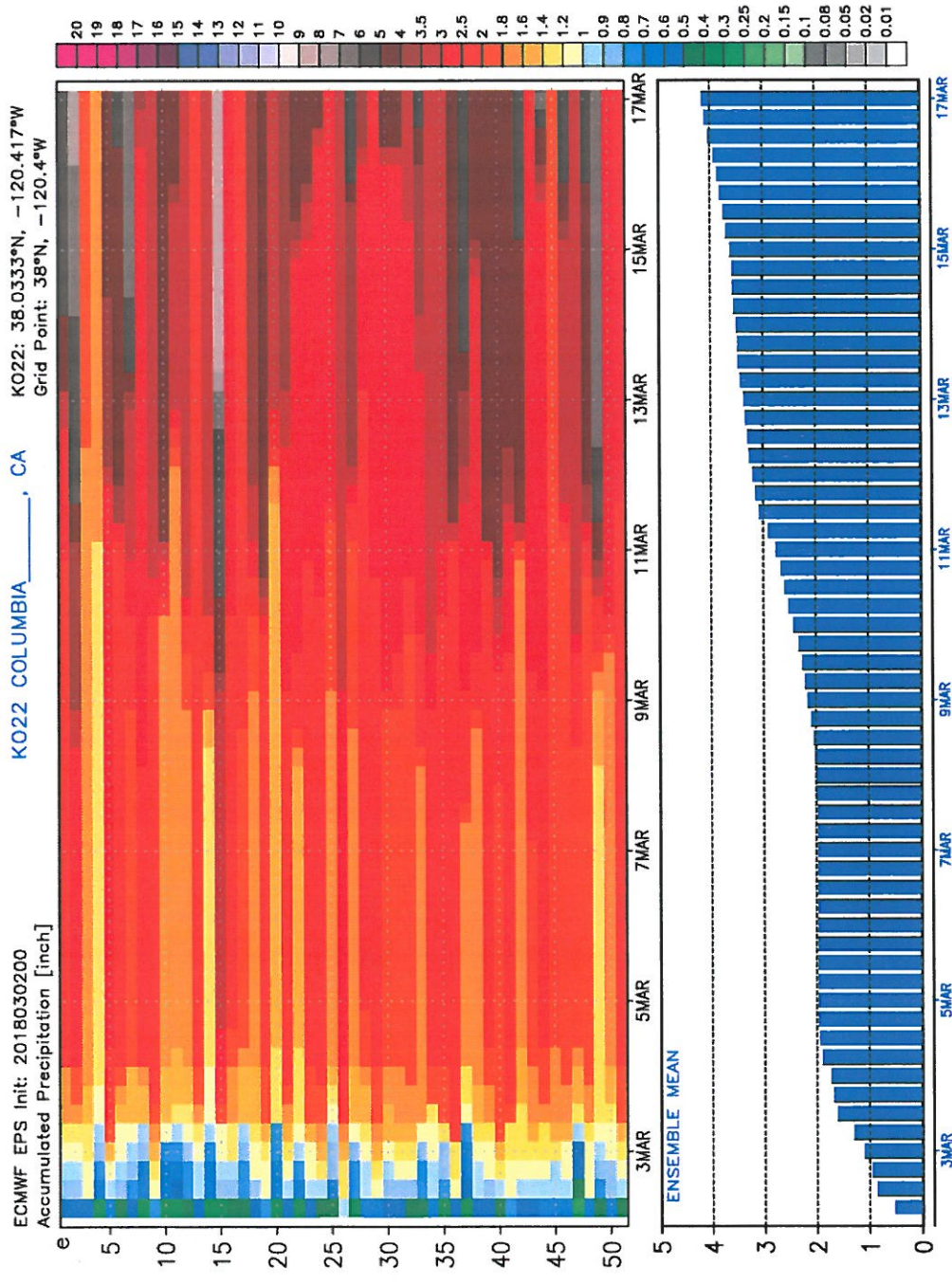


GFS Forecast Modelplots; KMMH Mammoth / June Lakes, CA, United States
Figure Number 3

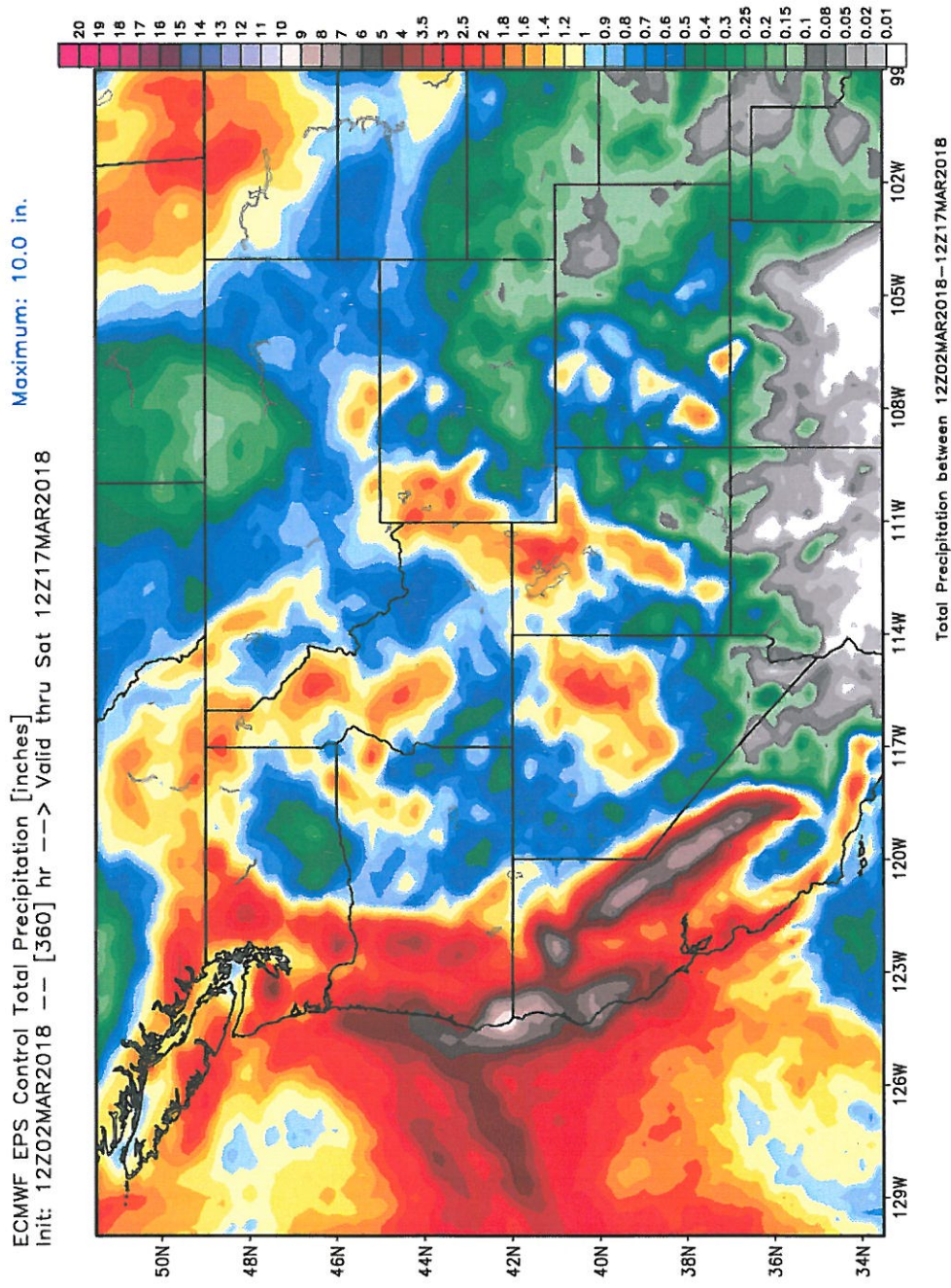
Time of Current Run 17:03:02:12



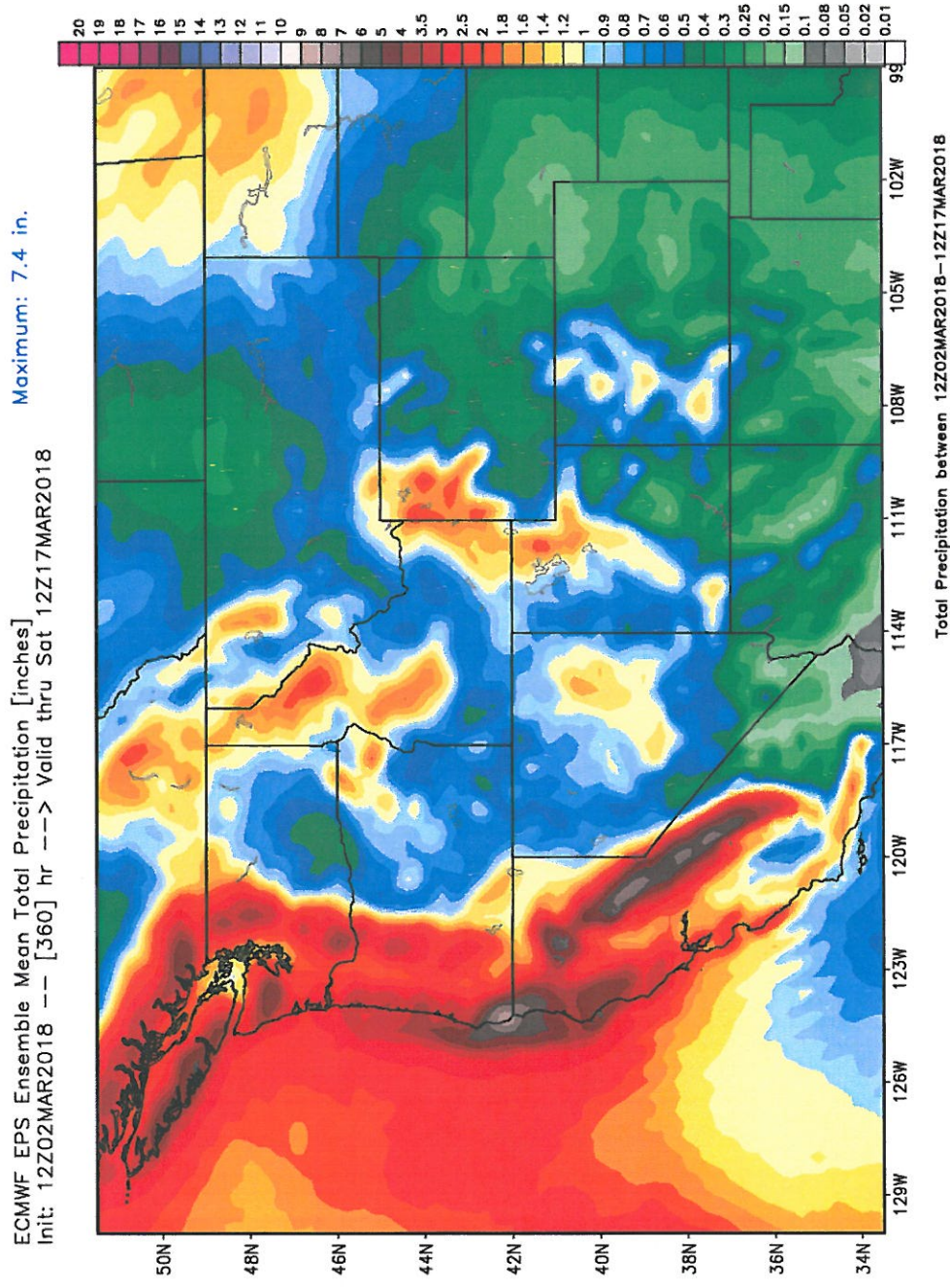
ECMWF 15 Day or 360 Hour Ensemble Forecast



ECMWF 15 Day or 360 Hour Forecast-Control

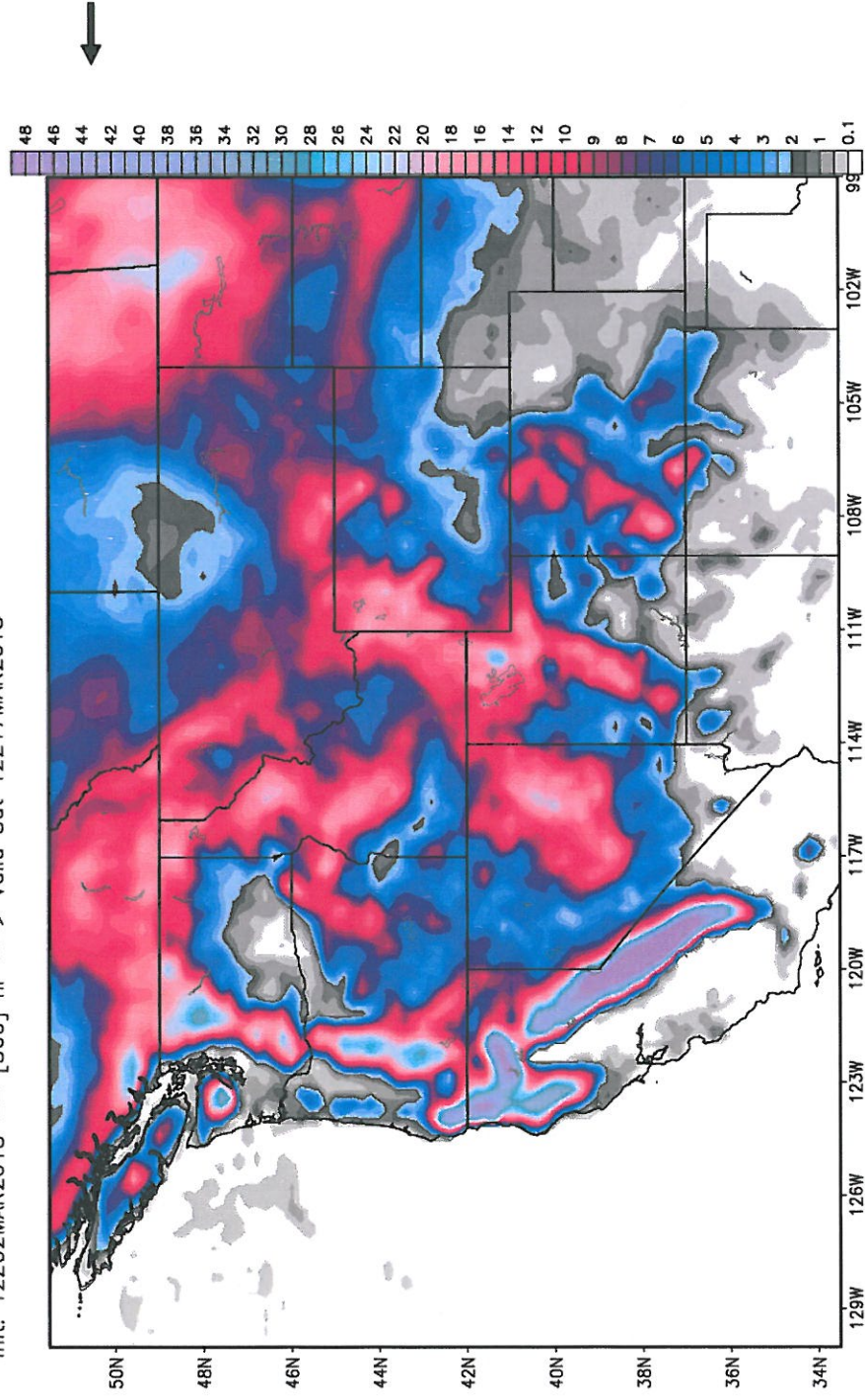


ECMWF 15 Day or 360 Hour Forecast-Mean



ECMWF EPS Total Snowfall-Control

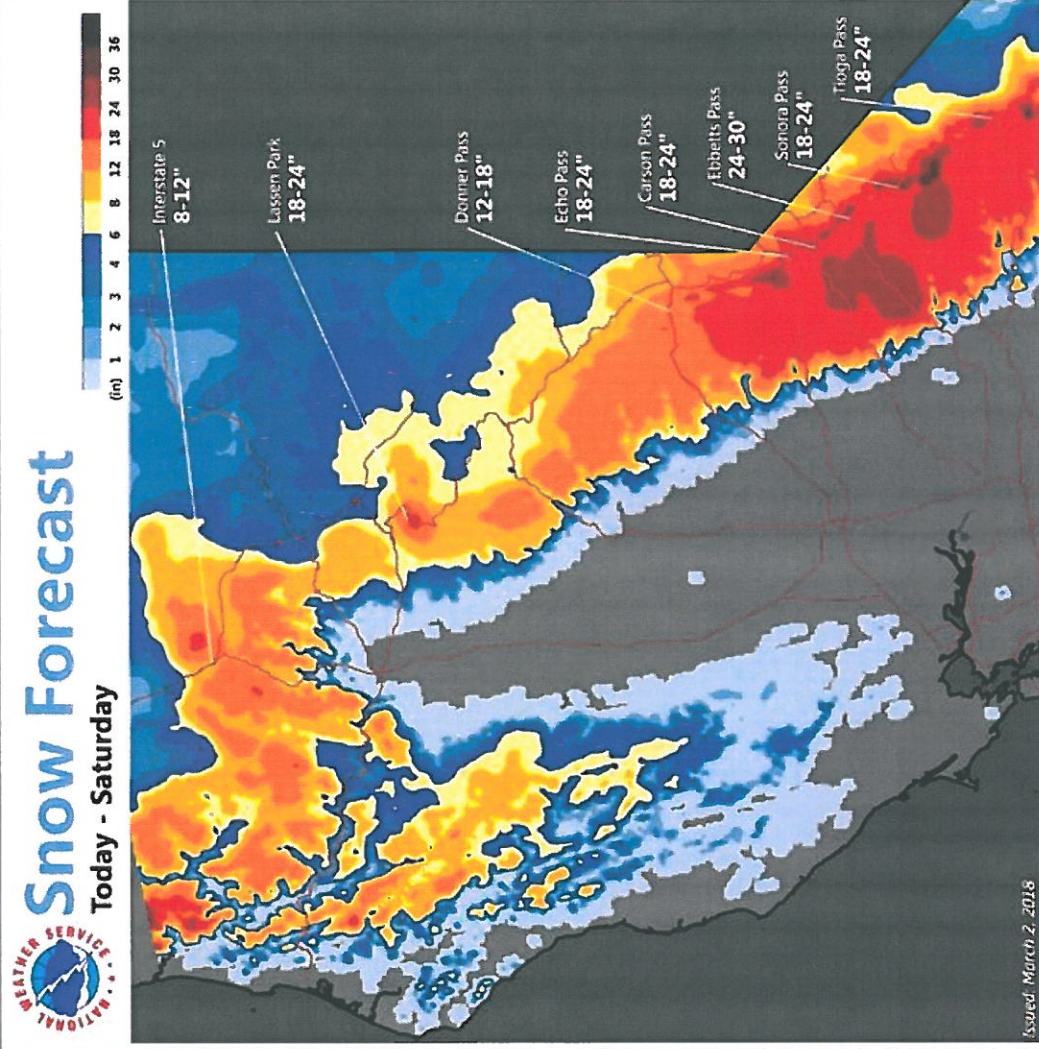
ECMWF EPS Control Total Snowfall [inches] -- between 12Z02MAR2018 -- 12Z17MAR2018
 Init: 12Z02MAR2018 -- [360] hr --> Valid Sat 12Z17MAR2018

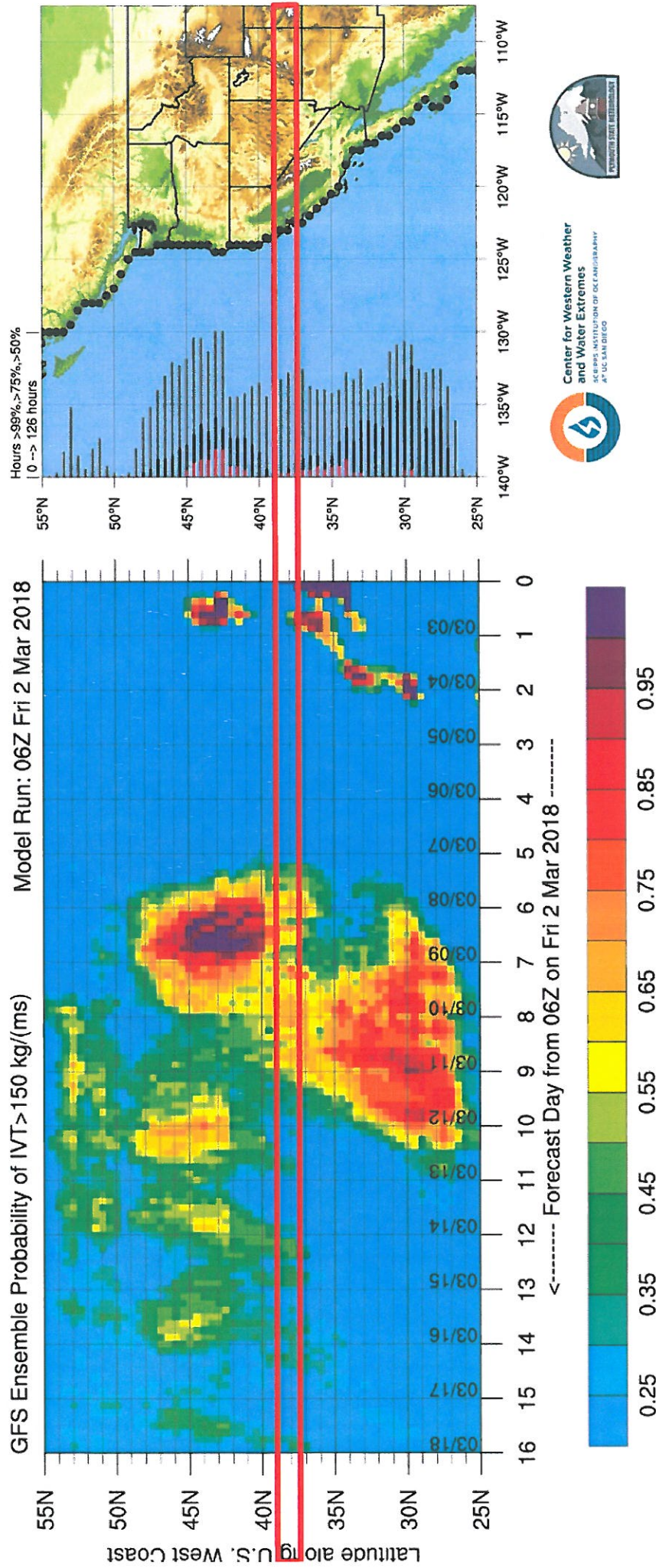


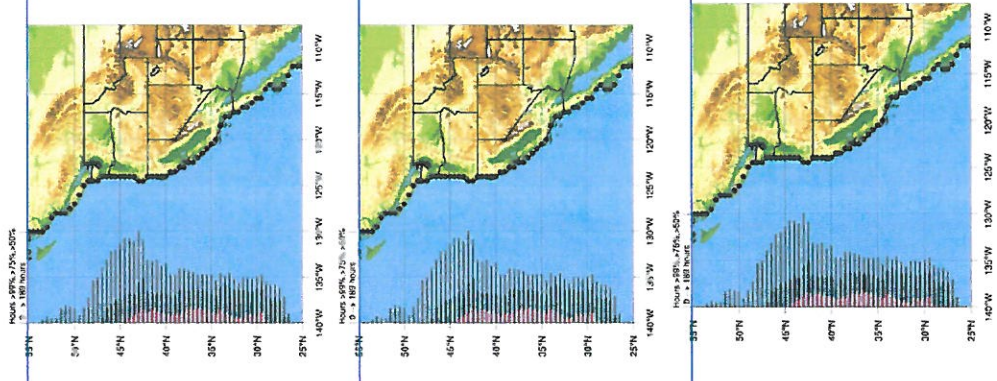
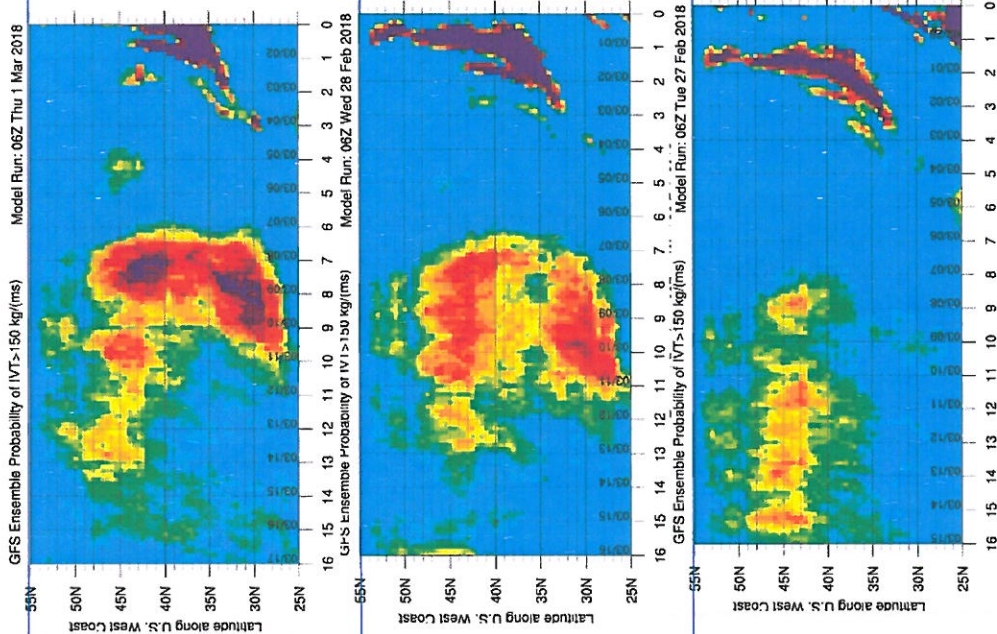
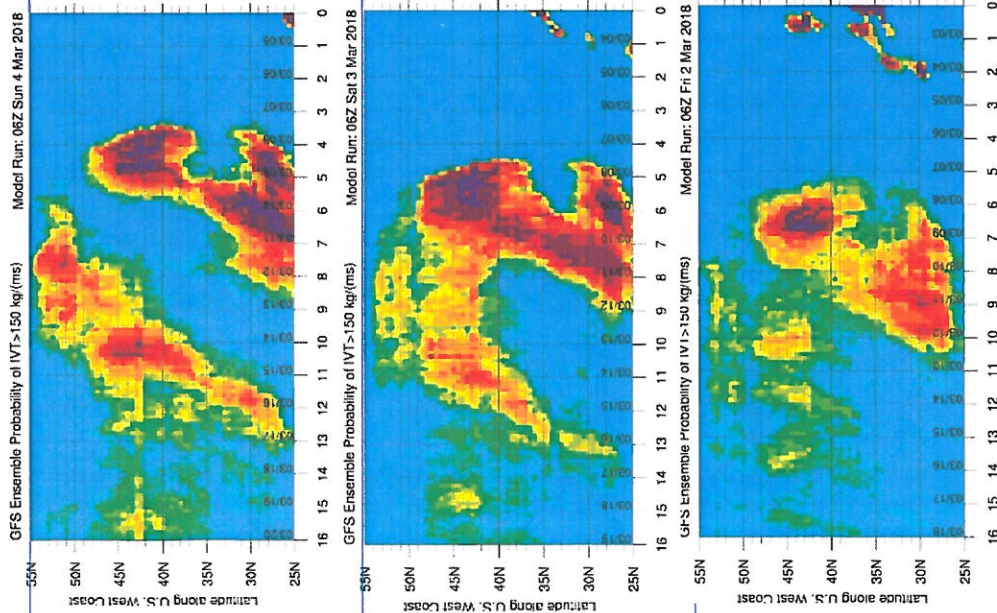
Snowfall continues over Norcal mountains through Saturday

- Snow levels 1000 to 2500 feet. Locally lower Shasta county this morning
- An additional 2 feet of snow possible higher elevations
- White out conditions at times

Winter storm warning for
Norcal mountains through 10
pm Saturday





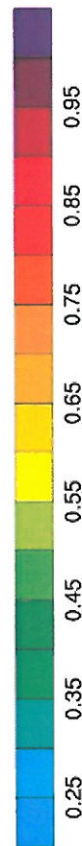


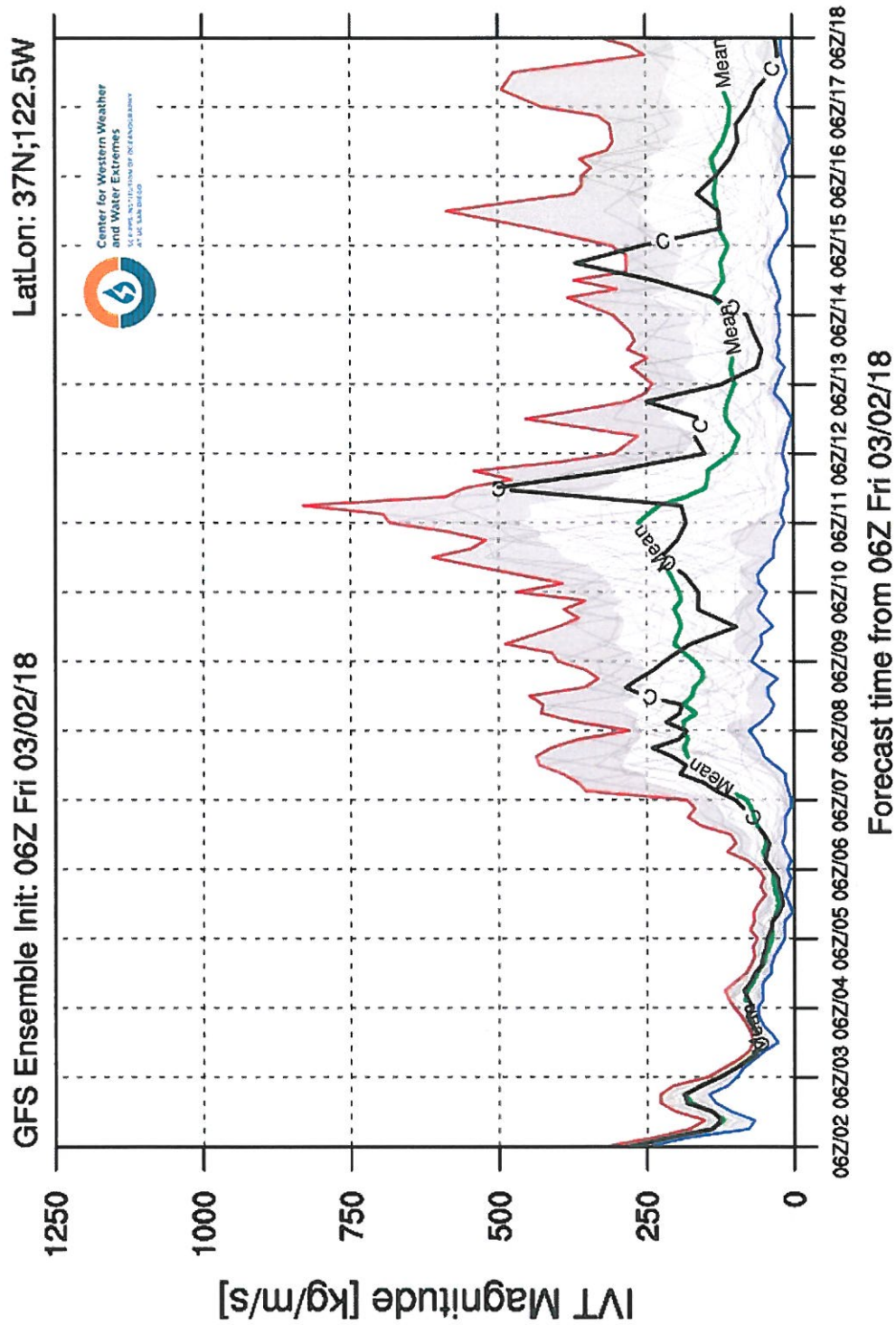
Black lines is
our
Location



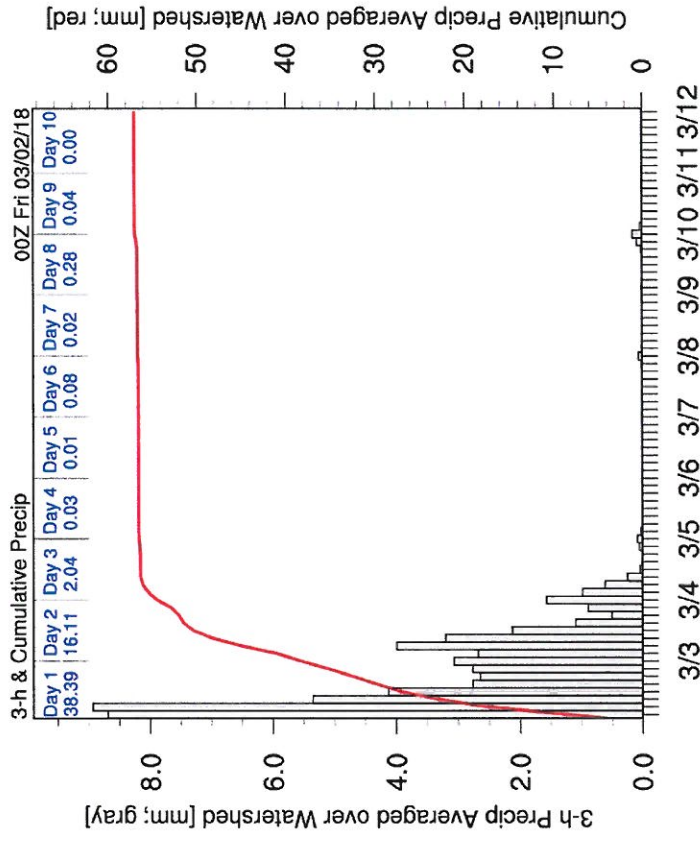
----- Forecast Day from 06Z

----- Forecast Day from 06Z





Upper Tuolumne Watershed



Total: 57 mm | 224107 AcreFeet

Note that the total precipitation is averaged over the watershed and the volume in Acre feet is the amount/volume of precipitation expected to fall over that watershed.

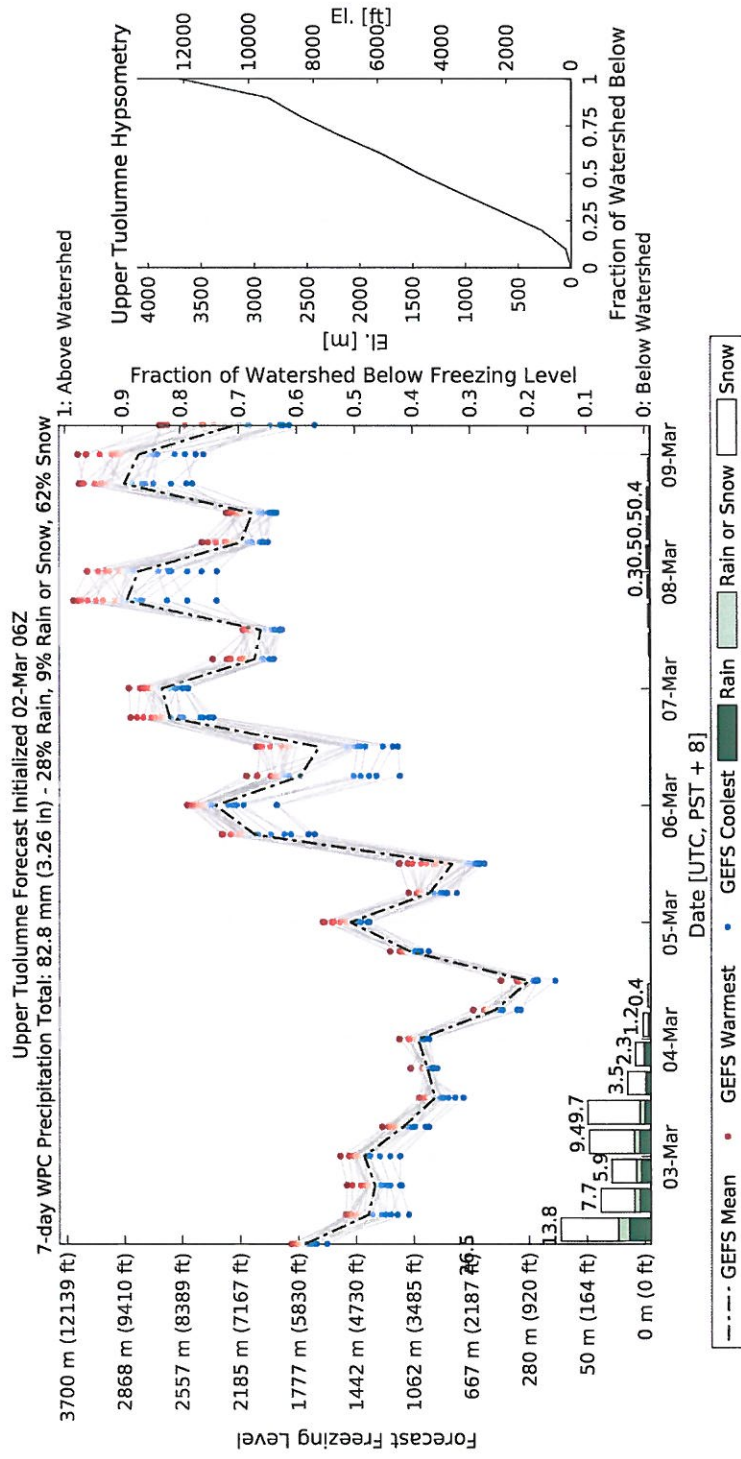


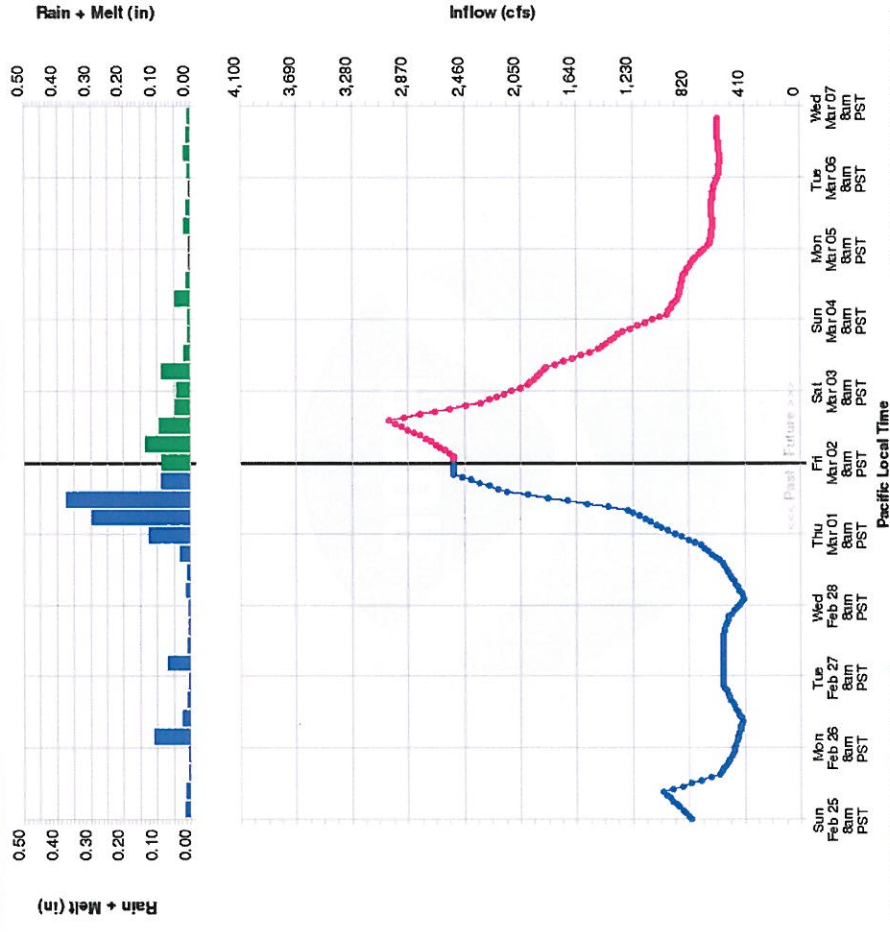
Image Description: The HUC8 watershed plots show time series of GEFS freezing levels (left axis) and fraction of basin terrain below the freezing level (right axis), for each GEFS member (gray lines) and the GEFS mean (black dashed line). Ensemble members are color-coded at each time to show whether they are warmer (red, higher freezing level) or cooler (blue, lower freezing level). Lines at the top and bottom of the plot indicate that the freezing level is above or below the watershed terrain, respectively. Bars show NOAA WPC 6-hourly precipitation totals for the watershed in mm, and bar shading indicates what fraction of the watershed precipitation falls as rain (at terrain elevations below GEFS freezing level ensemble), rain or snow (at elevations within the ensemble), and snow (at elevations above the ensemble). The right-hand plot shows the distribution of terrain versus elevation for the watershed.

TUOLUMNE RIVER - NEW DON PEDRO RESERVOIR (NDPC1) Latitude: 37.70° N Longitude: 120.42° W Elevation: 272 Feet Location: Tuolumne County in California River Group: San Joaquin Plot Type: Full Natural Flow

Issuance Time: Mar 02 2018 at 8:33 AM PST Next Issuance: Mar 02 2018 at 3:00 PM PST

Monitor Stage: N/A

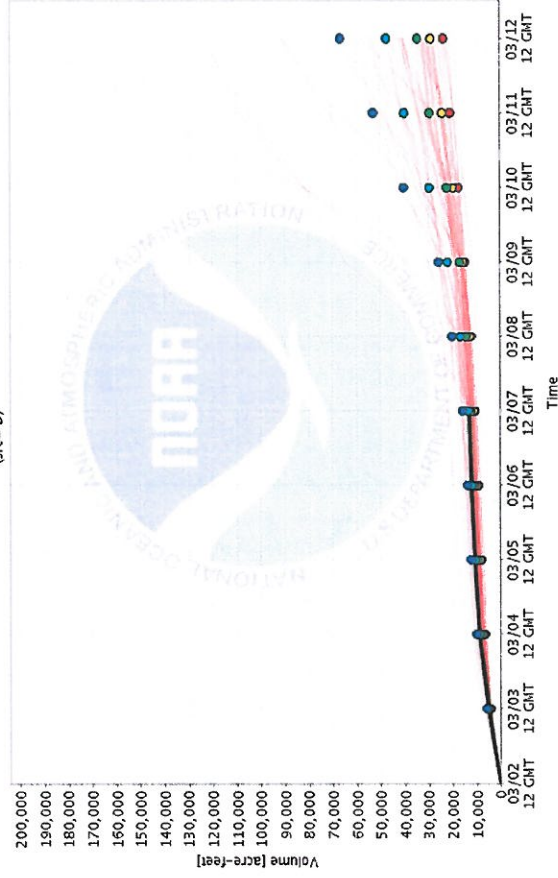
Flood Stage: N/A



TUOLUMNE RIVER - NEW DON PEDRO RESERVOIR (NDPC1)
 Elevation: 272 Feet
 Latitude: 37.70° N Longitude: 120.42° W
 Location: Tuolumne County in California River Group: San Joaquin
 Issuance Time: Mar 02 2018 at 9:05 AM PST

10-Day Accumulated Volume Plot

Volume Accumulation For TUOLUMNE-NEW DON PEDRO D
 Latitude: 37.701668 Longitude: -120.421111
 Forecast for the period 03/02/2018 - 03/12/2018
 This is a conditional simulation based on the current conditions as of 03/02/2018
 (src = D)



Tabular 10 Day Streamflow Volume Accumulation (1000s of Acre Feet)
 Data Updated: Mar 02 2018 at 9:10 AM PST

Probability	Mar 03	Mar 04	Mar 05	Mar 06	Mar 07	Mar 08	Mar 09	Mar 10	Mar 11	Mar 12
10% (Max)	5.8	10.1	12.2	13.7	15.7	20.2	25.7	40.3	52.9	66.7
25%	5.3	9.8	10.5	11.9	13.4	16.7	22.1	29.7	40.2	47.6
50% (Mean Prob)	4.9	8.0	9.6	11.0	12.3	14.4	16.9	22.4	29.5	34.6
75%	4.6	7.2	8.7	10.0	11.3	12.9	15.5	19.7	24.2	29.0
90% (Min)	4.3	6.6	7.9	9.1	10.5	12.2	14.7	17.4	20.8	23.7