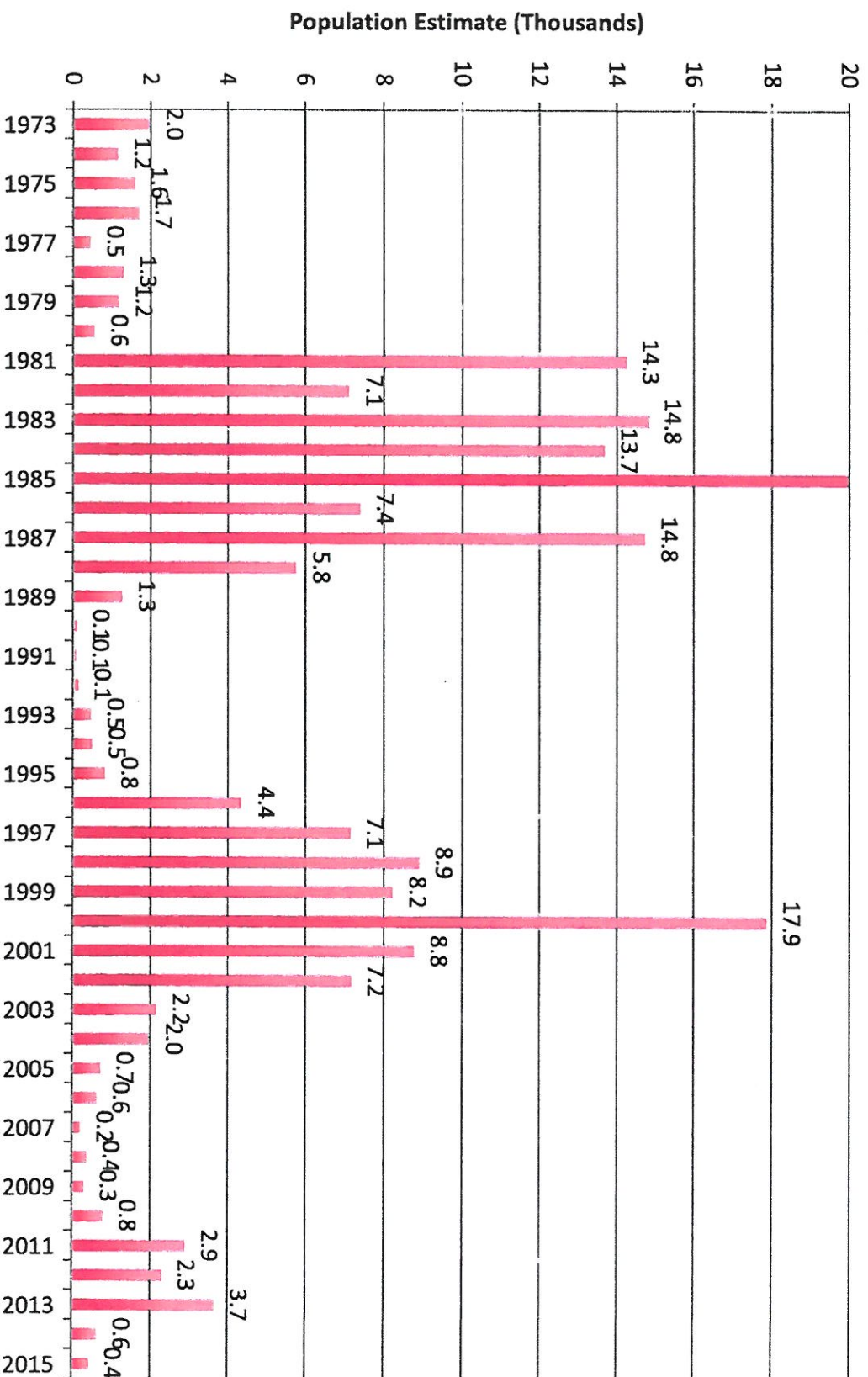
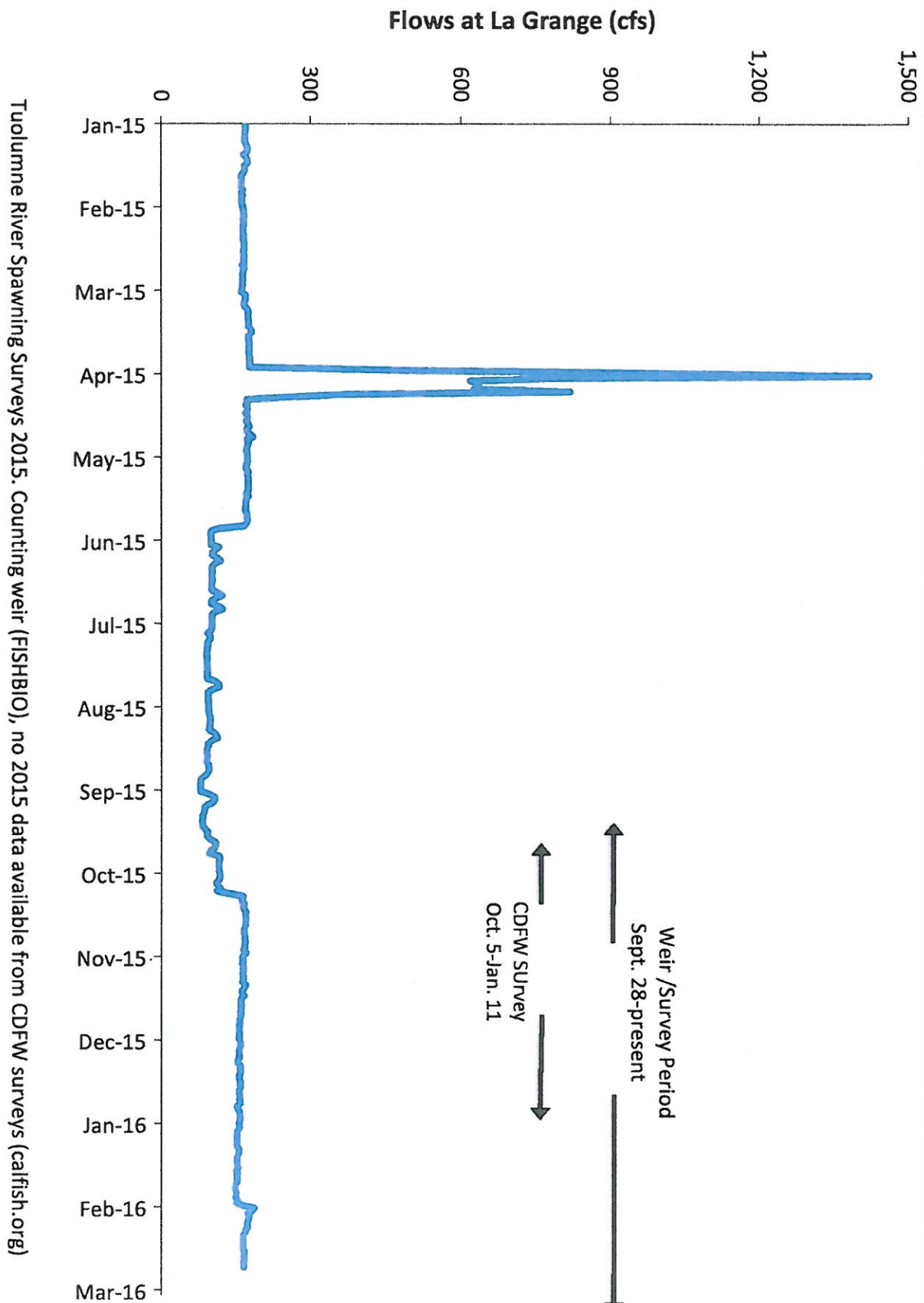


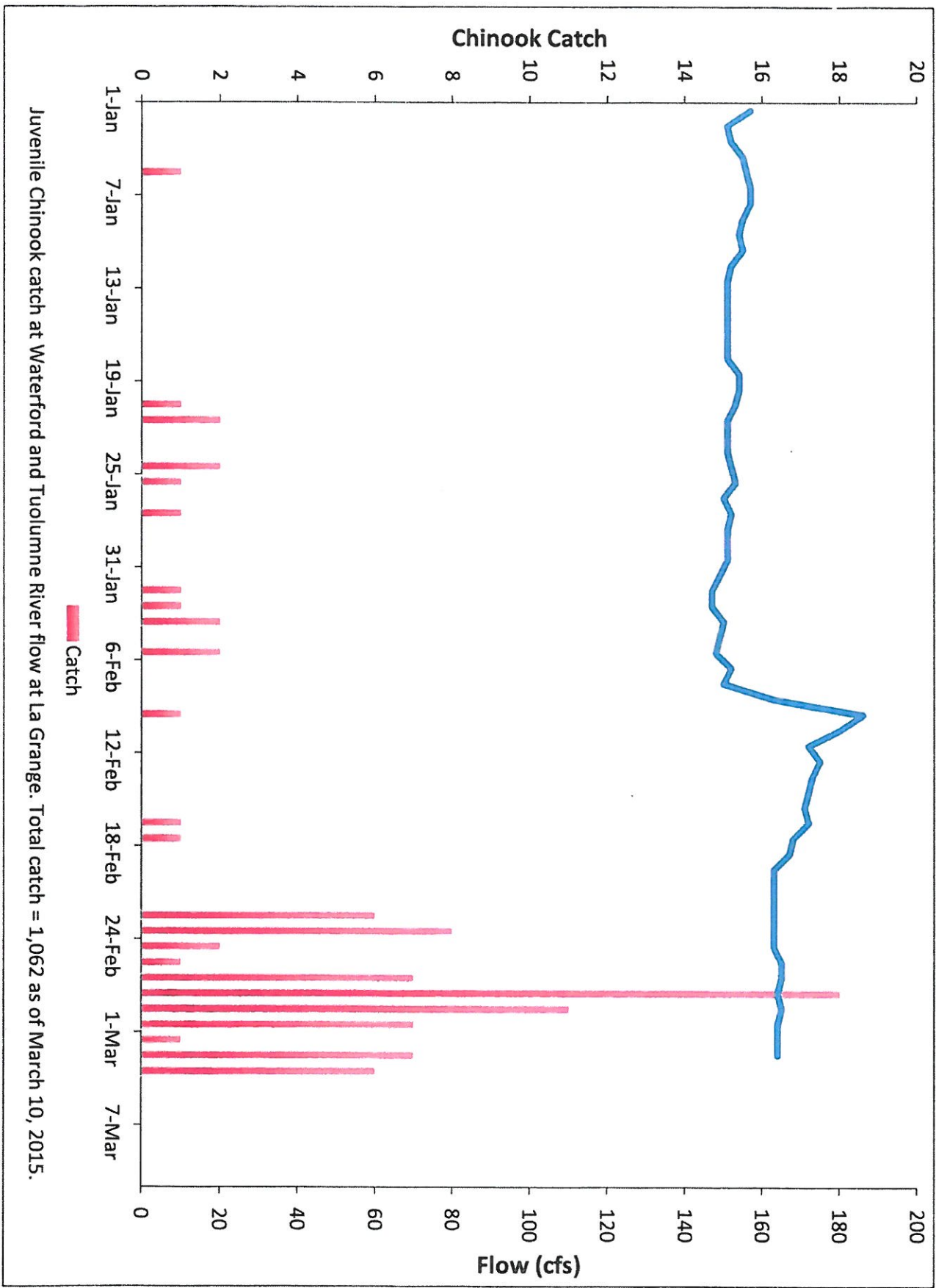
Tuolumne River Salmon Run (Estimates/Counts)

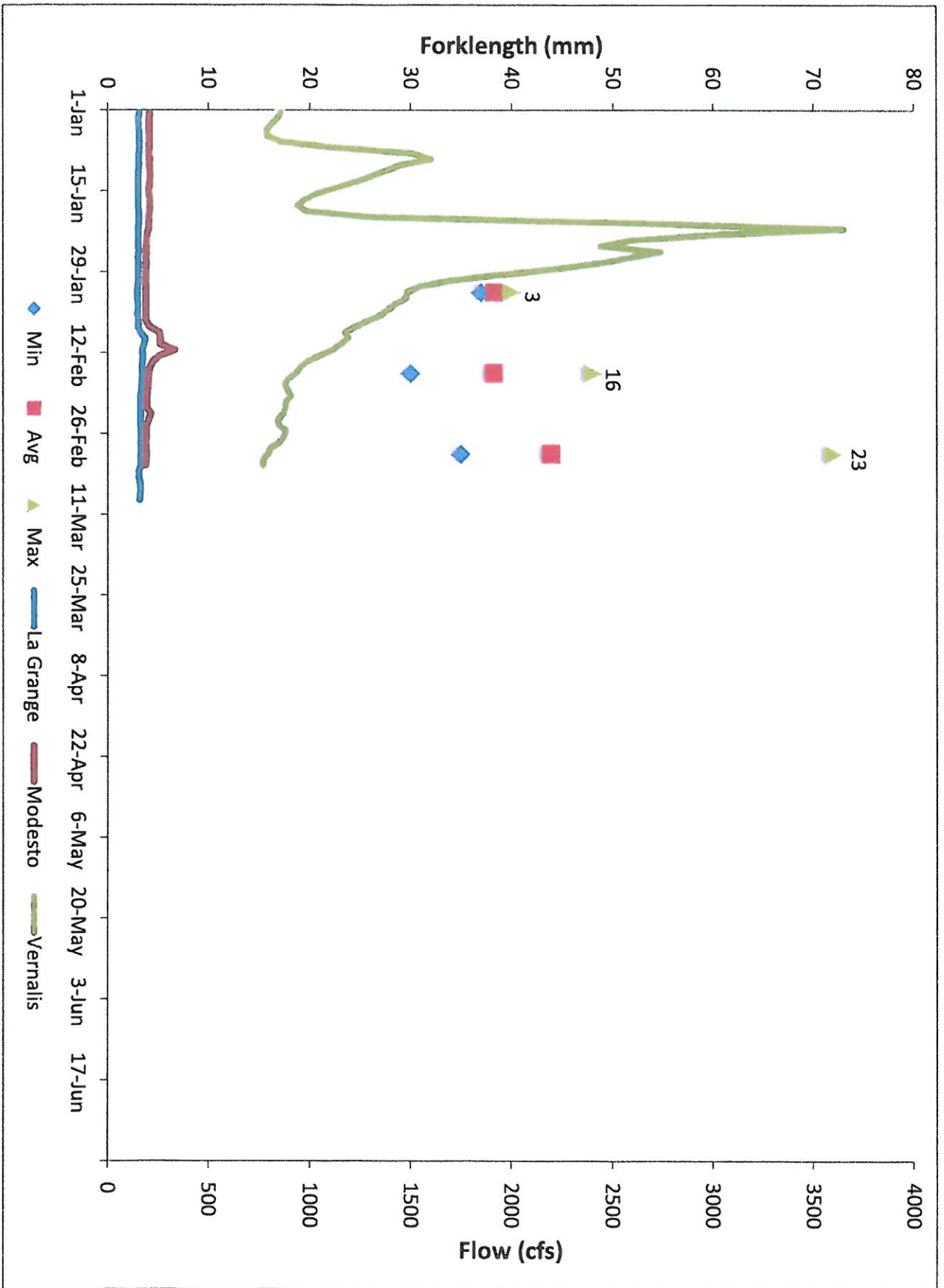
40.3



Years 2009-2014 are based on counting weir results. All previous years from CDFW surveys. Survey periods may vary for both periods.







Mar 2016 SNOW COURSE READINGS

TUOLUMNE BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation on 01APR Date	Ave. W. C.		Depth	W. C.	Density	% of	% of
								01APR	01Mar
DANA MEADOWS	157	9,800	30.7	24-Feb	65.0	23.5	36%	77%	95%
RAFFERTY MEADOWS	158	9,400	32.7						
BOND PASS	159	9,300	43.9	23-Feb	84.5	35.5	42%	81%	105%
NEW GRACE MEADOW	368	8,900	48.0	25-Feb	94.5	41.0	43%	85%	108%
TUOLUMNE MEADOWS	161	8,500	22.9	26-Feb	52.0	19.5	38%	85%	94%
HORSE MEADOW	162	8,400	45.9	23-Feb	86.5	37.5	43%	82%	105%
WILMER LAKE	163	8,000	43.5	25-Feb	91.0	38.0	42%	87%	109%
SACHSE SPRINGS	165	7,900	37.6	23-Feb	73.0	31.0	42%	82%	99%
HUCKLEBERRY LAKE	166	7,800	41.2	23-Feb	71.0	31.0	44%	75%	95%
SPOTTED FAWN	164	7,800	44.8	23-Feb	88.0	32.0	36%	71%	89%
PARADISE MEADOW	167	7,650	39.6	24-Feb	89.5	39.0	44%	98%	125%
KERRICK CORRAL	348	7,000	23.7	25-Feb	62.5	26.5	42%	112%	117%
UPPER KIBBIE RIDGE	168	6,700	18.4	23-Feb	33.5	15.0	45%	82%	84%
VERNON LAKE	169	6,700	21.9	24-Feb	54.5	23.0	42%	105%	116%
LOWER KIBBIE RIDGE	173	6,700	25.0	23-Feb	47.0	19.5	41%	78%	85%
BELL MEADOW	172	6,500	15.7	25-Feb	40.5	16.5	41%	105%	109%
BEEHIVE MEADOW	171	6,500	23.5	23-Feb	54.5	23.0	42%	98%	103%
Average	17 TOT.	7,862			68.0	28.2	41.4%	88%	102.3%

MERCED BASIN SNOW COURSE SURVEY DATA

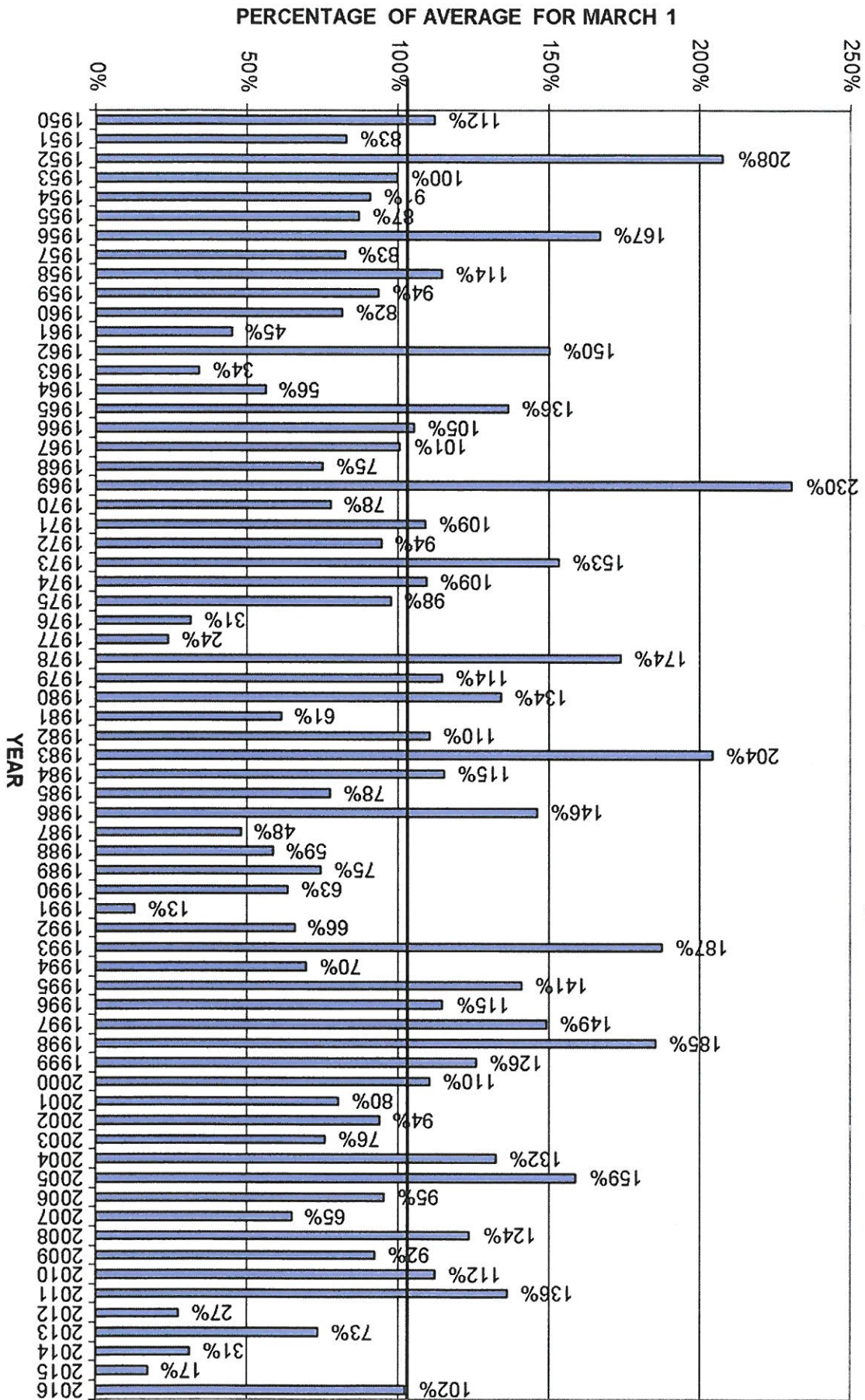
Snow Course	Number	Ave. W. C.		Depth	W. C.		Density	% of	
		Elevation on 01APR	Date		01APR	Ave.			
SNOW FLAT OSTRANDER LAKE LAKE TENAYA GIN FLAT	176	8,700	43.5	23-Feb	93.0	34.5	37%	79%	101%
	177	8,200	34.5	24-Feb	67.5	27.5	41%	80%	100%
	178	8,150	32.4	23-Feb	70.5	26.5	38%	82%	97%
	179	7,000	32.3	28-Feb	62.0	23.0	37%	71%	82%
PEREGOY MEADOWS	180	7,000	29.0	25-Feb	54.5	22.0	40%	76%	90%
Average	5 TOT.	7,810			69.5	26.7	38.6%	78%	94%

STANISLAUS BASIN SNOW COURSE SURVEY DATA

Snow Course	Number	Elevation on 01APR	Date	Ave. W. C.		Depth	W. C.	Density	% of	
									01APR	Ave.
DEADMAN CREEK	345	9,250	34.5	25-Feb	71.0	26.0	37%	75%	103%	
CLARK FORK MEADOW	344	8,900	39.2	25-Feb	81.0	33.5	41%	85%	112%	
GIANELLI MEADOW	427	8,400	47.7							
LOWER RELIEF VALLEY	138	8,100	39.9	25-Feb	75.5	34.5	46%	86%	107%	
SODA CREEK FLAT	139	7,800	22.1	25-Feb	47.5	19.5	41%	88%	106%	
STANISLAUS MEADOW	384	7,750	45.6	23-Feb	87.0	36.5	42%	80%	98%	
EAGLE MEADOW	140	7,500	24.9	25-Feb	51.5	20.5	40%	82%	99%	
HERRING CREEK	142	7,300	27.6	25-Feb	62.5	27.5	44%	100%	115%	
RELIEF DAM	143	7,250	19.8	25-Feb	45.0	18.0	40%	91%	104%	
BLOODS CREEK	416	7,200	32.5	24-Feb	71.0	29.0	41%	89%	108%	
CORRAL MEADOW	430	6,650	19.8							
HELLS KITCHEN	373	6,550	20.9	24-Feb	41.0	18.0	44%	86%	92%	
NIAGARA FLAT	145	6,500	19.2	25-Feb	46.0	20.0	43%	104%	112%	
BLACK SPRINGS	386	6,500	22.4	24-Feb	50.0	22.0	44%	98%	104%	
Average	13 TOT.	7,546			60.8	25.4	41.9%	89%	105%	

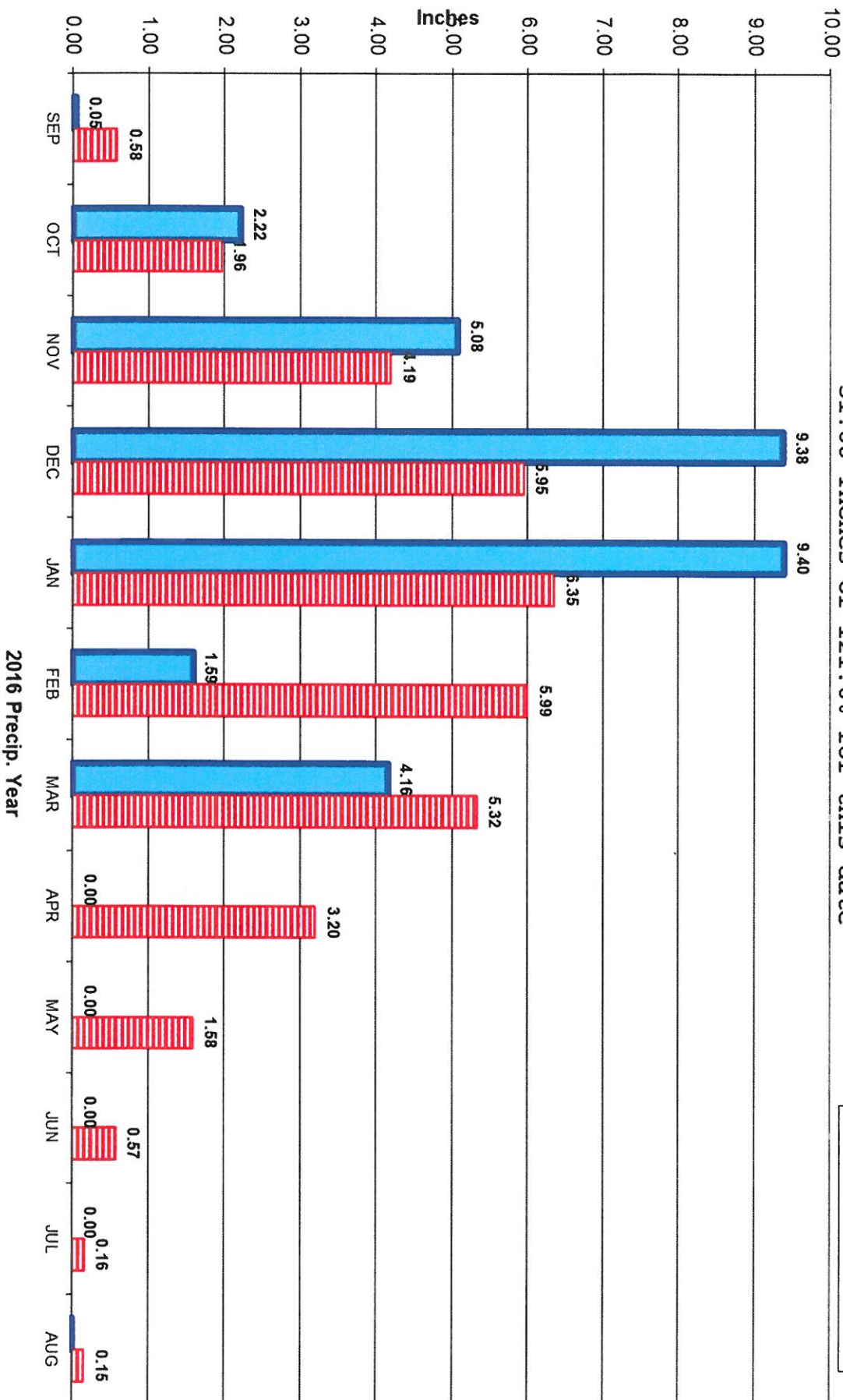
Tuolumne Snow Courses

March, 2016 Snow Course Readings



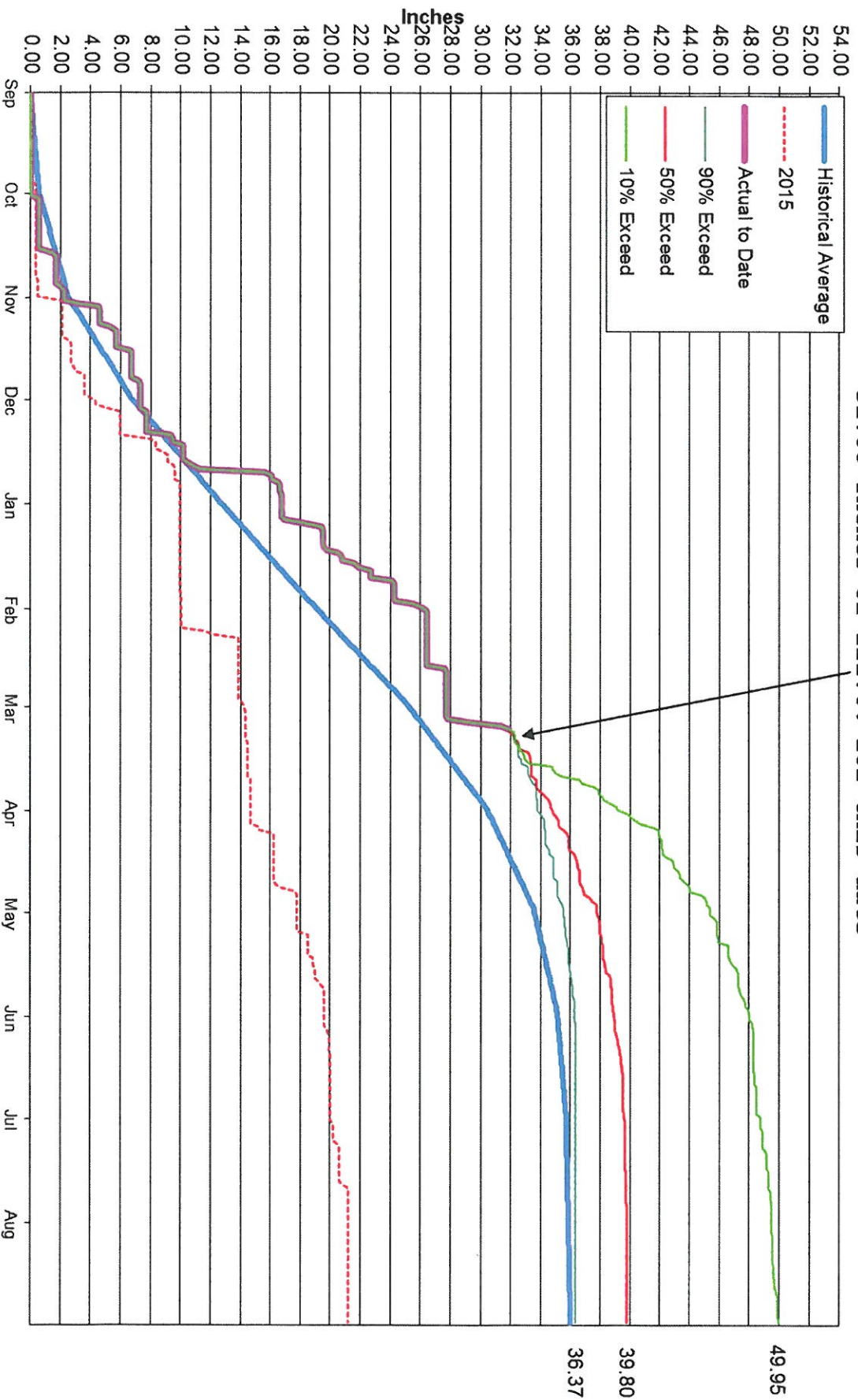
Watershed Monthly Accumulation of Precipitation

31.88 Inches or 121.6% for this date

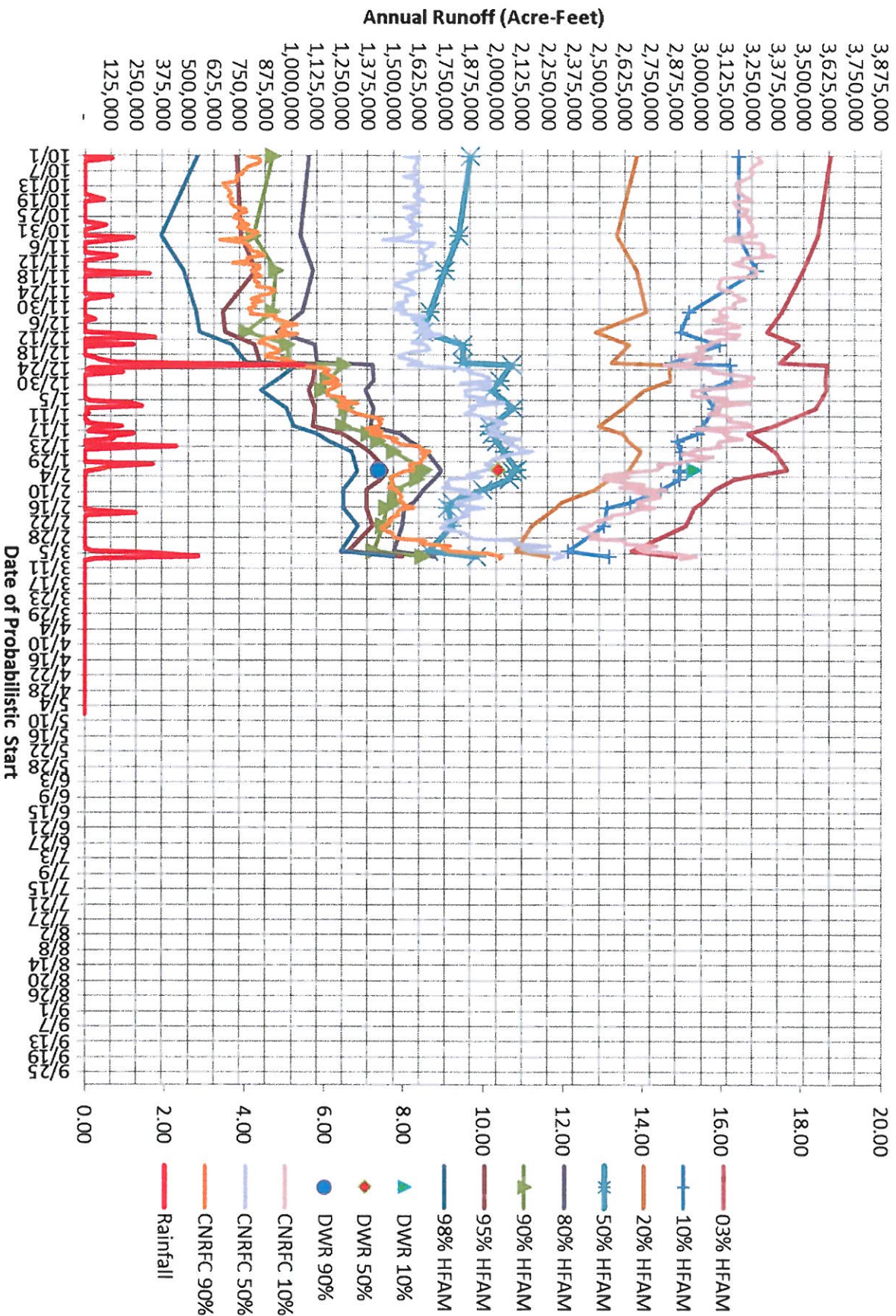


Watershed Accumulated Precipitation

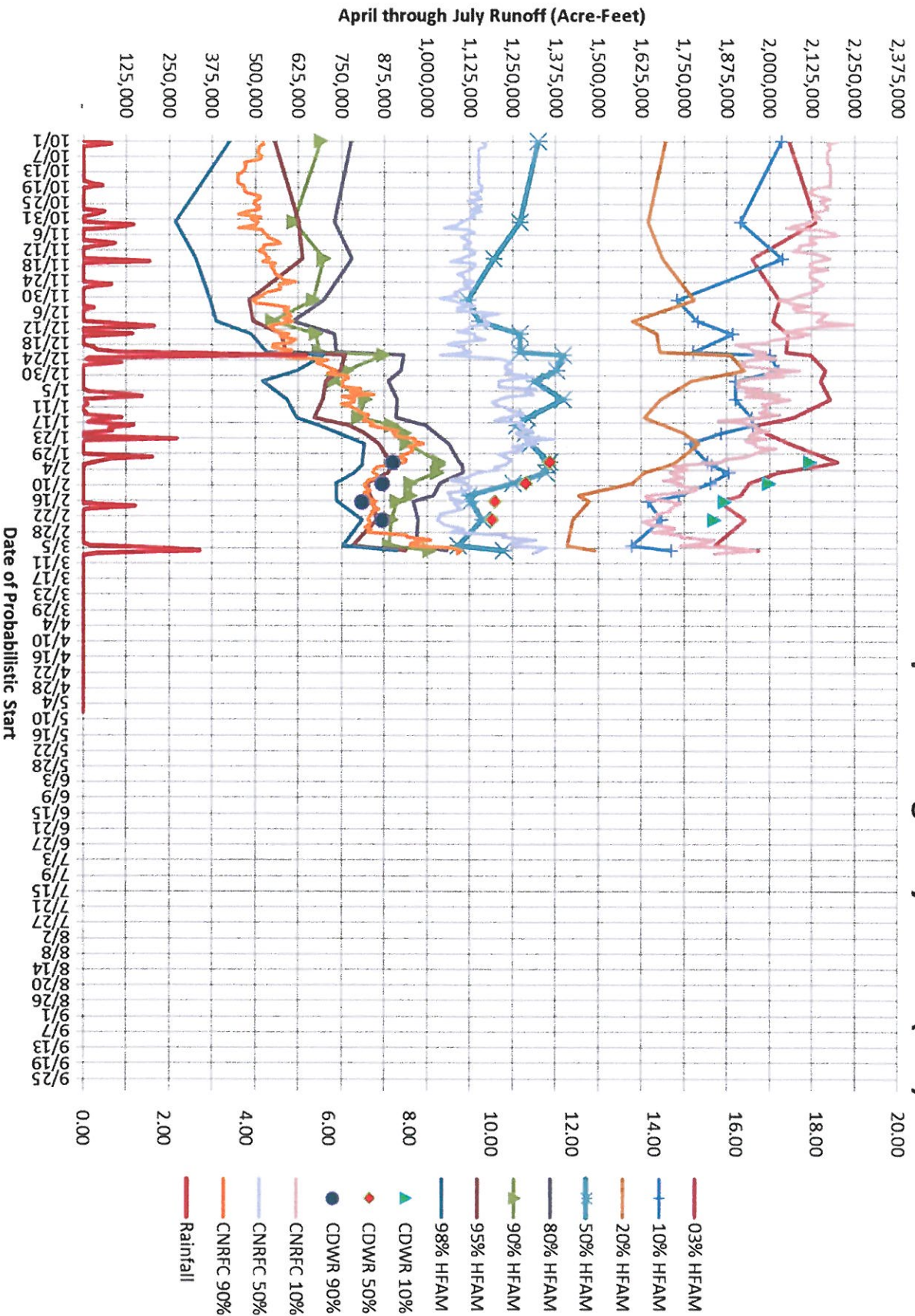
31.88 Inches or 121.6% for this date



Tuolumne River Forecasts of Annual Runoff (A.F.)



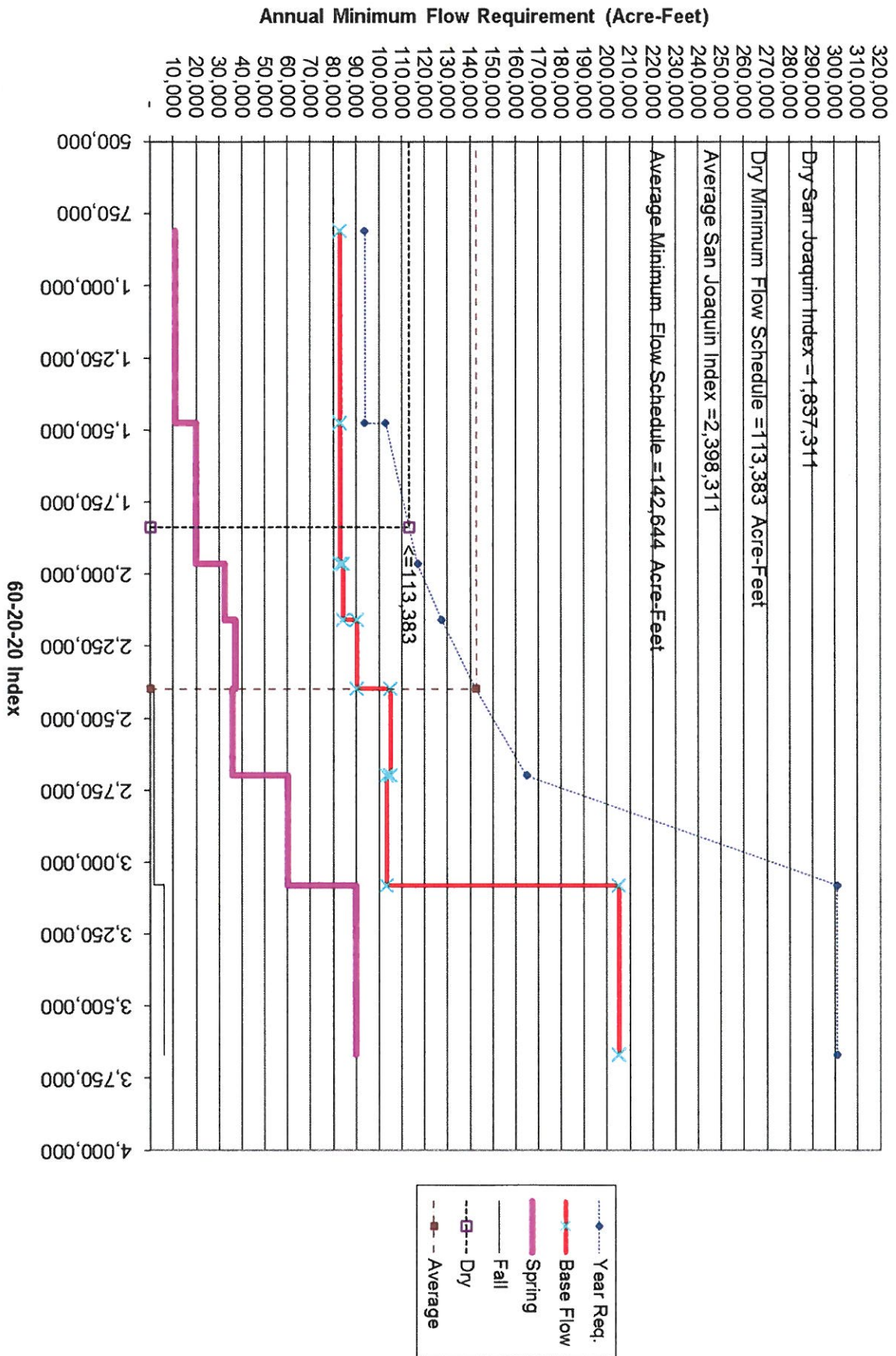
Tuolumne River Forecasts of April through July Runoff (A.F.)



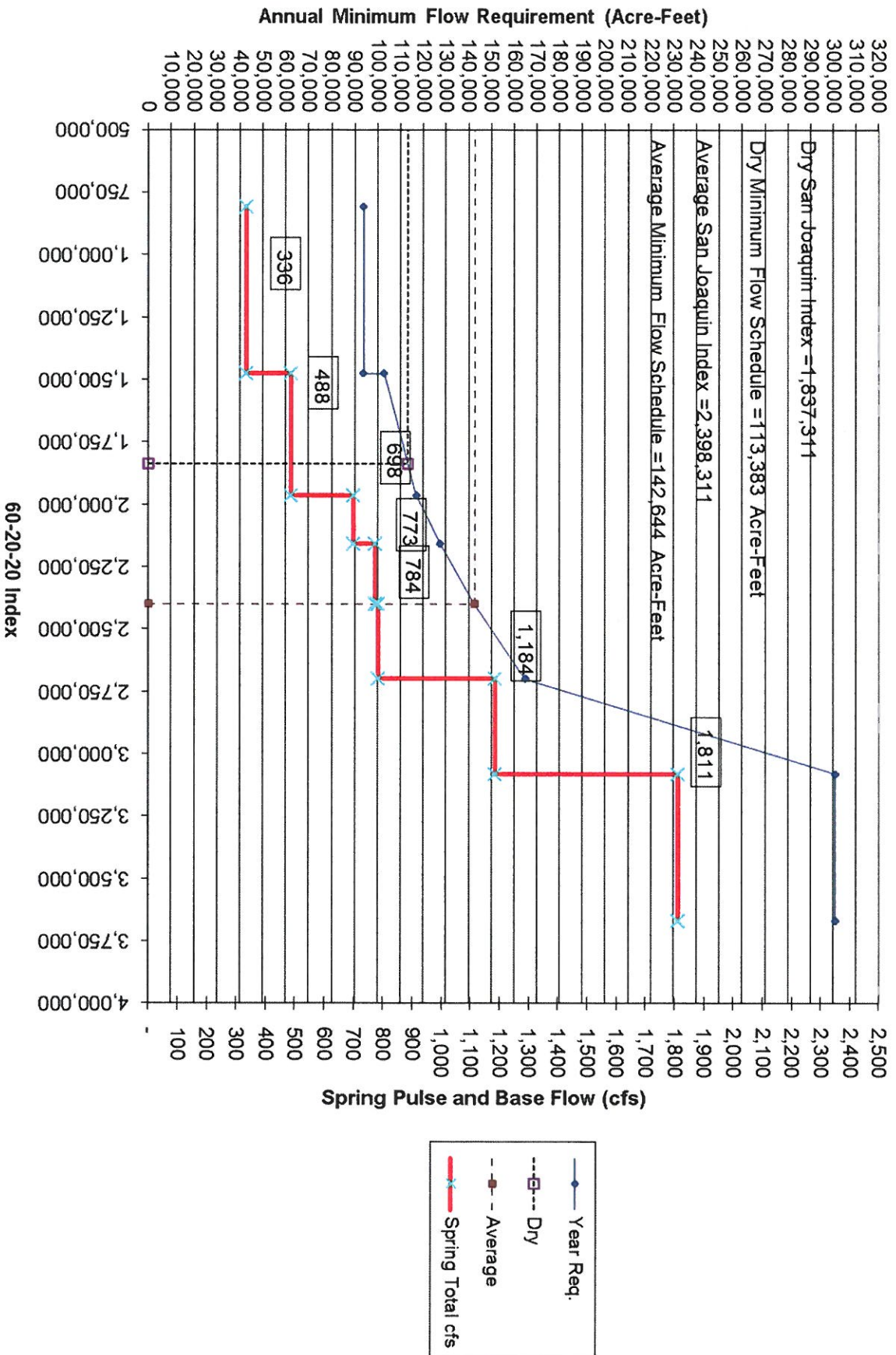
SAN JOAQUIN VALLEY WATER YEAR HYDROLOGIC CLASSIFICATION 602020 INDEX

APRIL-JULY RUNOFF (AF)										OCTOBER-MARCH RUNOFF (AF)										602020 INDEX		TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT		San Joaquin Index (not the FERC Index)	
YEAR	STANISLAUS	TUOLUMNE	MERCED	PIANT	TOTAL	STANISLAUS	TUOLUMNE	MERCED	PIANT	TOTAL															
15	134,645	308,062	103,856	192,518	739,081	193,001	276,982	66,375	123,674	660,032	807,554	94,000	Critical												
16	700,000	1,190,000	540,000	1,010,000	3,440,000	374,000	615,000	269,000	338,000	1,596,000	2,544,711	153,559	Below Normal												
Feb 1 Forecast																									
Dry	510,000	900,000	440,000	790,000	2,640,000	294,000	495,000	214,000	243,000	1,246,000	1,994,711	118,683	Critical												
Average	770,000	1,360,000	620,000	1,170,000	3,920,000	374,000	615,000	269,000	338,000	1,596,000	2,832,711	212,949	Below Normal												
Wet	1,230,000	2,120,000	1,130,000	1,900,000	6,470,000	514,000	815,000	414,000	533,000	2,275,000	4,498,711	300,923	Wet												
Feb 09 Update																									
Dry	500,000	870,000	420,000	750,000	2,540,000	294,000	495,000	214,000	243,000	1,246,000	1,934,711	116,183	Critical												
Average	740,000	1,290,000	590,000	1,110,000	3,730,000	374,000	615,000	269,000	338,000	1,596,000	2,718,711	172,313	Below Normal												
Wet	1,180,000	2,000,000	1,060,000	1,870,000	6,110,000	514,000	815,000	414,000	533,000	2,276,000	4,282,711	300,923	Wet												
Feb 16 Update																									
Dry	470,000	810,000	390,000	680,000	2,350,000	294,000	495,000	214,000	243,000	1,246,000	1,820,711	112,905	Critical												
Average	700,000	1,200,000	550,000	1,020,000	3,470,000	374,000	615,000	269,000	338,000	1,596,000	2,562,711	154,901	Below Normal												
Wet	1,120,000	1,870,000	980,000	1,720,000	5,690,000	514,000	815,000	414,000	533,000	2,276,000	4,030,711	300,923	Wet												
Feb 23 Update																									
Dry	500,000	870,000	390,000	700,000	2,460,000	294,000	495,000	214,000	243,000	1,246,000	1,886,711	114,803	Critical												
Average	700,000	1,190,000	540,000	1,010,000	3,440,000	374,000	615,000	269,000	338,000	1,596,000	2,544,711	153,559	Below Normal												
Wet	1,110,000	1,840,000	930,000	1,660,000	5,540,000	514,000	815,000	414,000	533,000	2,276,000	3,940,711	300,923	Wet												
Mar 1 Forecast																									
Dry	470,000	820,000	360,000	670,000	2,320,000	354,000	557,000	235,000	273,000	1,419,000	1,837,311	113,383	Critical												
Average	640,000	1,090,000	500,000	950,000	3,180,000	399,000	642,000	275,000	326,000	1,644,000	2,398,311	142,644	Dry												
Wet	1,030,000	1,710,000	850,000	1,540,000	5,130,000	504,000	782,000	355,000	433,000	2,074,000	3,654,311	300,923	Above Normal												

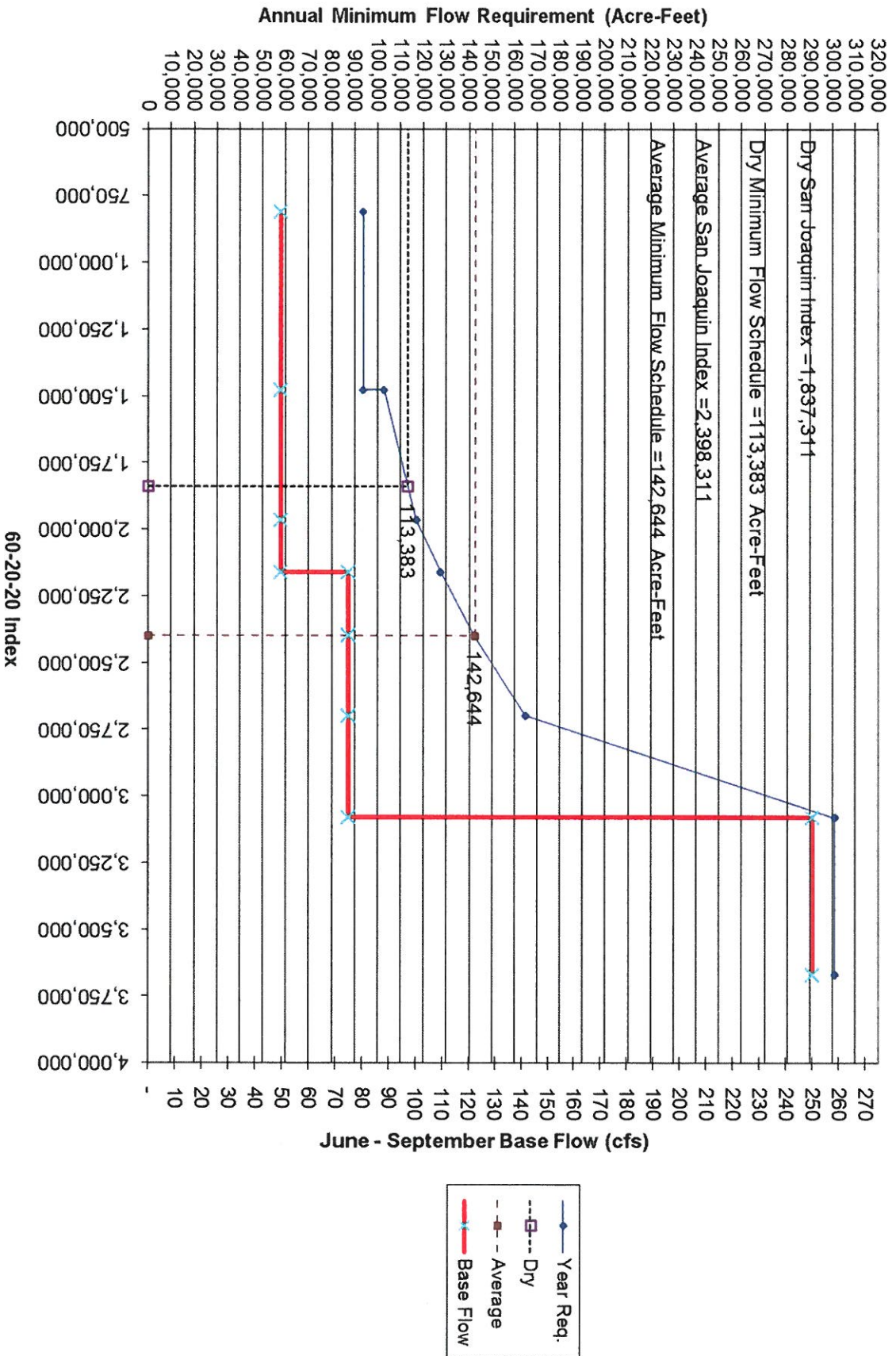
TUOLUMNE RIVER MINIMUM FLOW REQUIREMENT (Figure 1)
Annual Flow Requirement



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

