



# Solano County Water Agency

**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

**"Wet" Year Scenario (25% Exceedance)**  
*(if rainfall/runoff for remainder of year is above average)*

<i>Month</i>	<i>DD-505</i>	<i>505-Stev</i>	<i>Stev-I80</i>	<i>I80-Mace</i>	<i>Mace-RM 0.0</i>
April	669	670	670	662	659
May	199	200	199	190	186
June	83	82	77	68	64
July	39	34	31	22	18
August	11	7	0	0	0
September	1	0	0	0	0
October	5	1	0	0	0

**"Normal" Year Scenario (50% Exceedance)**  
*(if rainfall/runoff for remainder of year is average)*

<i>Month</i>	<i>DD-505</i>	<i>505-Stev</i>	<i>Stev-I80</i>	<i>I80-Mace</i>	<i>Mace-RM 0.0</i>
April	270	270	269	261	257
May	126	124	122	113	108
June	46	43	37	28	23
July	6	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0

**"Dry" Year Scenario (75% Exceedance)**  
*(if rainfall/runoff for remainder of year is below average)*

<i>Month</i>	<i>DD-505</i>	<i>505-Stev</i>	<i>Stev-I80</i>	<i>I80-Mace</i>	<i>Mace-RM 0.0</i>
April	153	151	150	142	138
May	63	60	57	47	42
June	10	6	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
October	0	0	0	0	0



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**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

## Notes:

Portions of Reach 2 receive "rising ground water" during all but extreme drought conditions. Consequently, there are instances when most but not all of reach 2 is dry (lacks riparian water). The stream flow projections for Reach 2 are based on net stream flow gains and losses occurring within the reach and therefore, may under estimate riparian water availability at specific locations along Reach 2.

## Key:

<b>DD</b>	Putah Diversion Dam
<b>505</b>	Interstate Highway 505 Bridge
<b>Stev</b>	Stevenson Road Bridge
<b>I80</b>	Interstate Highway I-80 Bridge
<b>Mace</b>	Mace Boulevard Bridge
<b>RM 0.0</b>	River Mile 0.0 of Putah Creek (Western most edge of Putah Creek)



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**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

<b>Percent Exceedance</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>
5%	2,028	547	176	75	51	21	54
10%	1,251	395	131	64	27	12	38
15%	913	322	105	57	21	8	16
20%	799	242	95	46	14	4	8
25%	669	199	83	39	11	1	5
30%	494	181	69	30	5	0	0
35%	426	156	61	17	3	0	0
40%	367	143	56	12	2	0	0
45%	293	133	51	9	1	0	0
50%	270	126	46	6	0	0	0
55%	239	100	39	4	0	0	0
60%	206	90	27	2	0	0	0
65%	196	77	19	0	0	0	0
70%	166	67	12	0	0	0	0
75%	153	63	10	0	0	0	0
80%	121	50	4	0	0	0	0
85%	87	43	0	0	0	0	0
90%	72	25	0	0	0	0	0
95%	47	19	0	0	0	0	0
100%	2	0	0	0	0	0	0



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**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

**Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge**

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

<b>Percent Exceedance</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>
5%	2,034	557	182	75	51	22	54
10%	1,256	402	135	63	25	13	37
15%	916	326	107	54	19	8	14
20%	801	244	95	42	11	3	5
25%	670	200	82	34	7	0	1
30%	495	181	68	25	1	0	0
35%	427	156	59	12	0	0	0
40%	367	141	53	6	0	0	0
45%	293	131	48	3	0	0	0
50%	270	124	43	0	0	0	0
55%	239	98	36	0	0	0	0
60%	205	87	23	0	0	0	0
65%	196	75	15	0	0	0	0
70%	165	64	8	0	0	0	0
75%	151	60	6	0	0	0	0
80%	119	46	0	0	0	0	0
85%	85	39	0	0	0	0	0
90%	70	21	0	0	0	0	0
95%	45	14	0	0	0	0	0
100%	0	0	0	0	0	0	0



# Solano County Water Agency

**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

**Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge**

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

<b>Percent Exceedance</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>
5%	2,035	560	177	76	41	19	56
10%	1,257	403	130	62	15	8	37
15%	916	326	102	52	9	2	14
20%	801	243	89	39	2	0	4
25%	670	199	77	31	0	0	0
30%	495	179	62	21	0	0	0
35%	426	154	53	8	0	0	0
40%	367	139	48	2	0	0	0
45%	293	129	42	0	0	0	0
50%	269	122	37	0	0	0	0
55%	238	96	30	0	0	0	0
60%	205	85	17	0	0	0	0
65%	195	72	9	0	0	0	0
70%	164	61	2	0	0	0	0
75%	150	57	0	0	0	0	0
80%	118	43	0	0	0	0	0
85%	84	36	0	0	0	0	0
90%	69	17	0	0	0	0	0
95%	44	11	0	0	0	0	0
100%	0	0	0	0	0	0	0



# Solano County Water Agency

**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

**Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge**

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

<b>Percent Exceedance</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>
5%	2,028	553	171	70	35	13	50
10%	1,249	395	122	54	8	0	30
15%	909	318	94	44	1	0	6
20%	793	235	81	31	0	0	0
25%	662	190	68	22	0	0	0
30%	487	170	53	12	0	0	0
35%	418	145	44	0	0	0	0
40%	359	130	39	0	0	0	0
45%	284	119	33	0	0	0	0
50%	261	113	28	0	0	0	0
55%	230	86	21	0	0	0	0
60%	196	75	8	0	0	0	0
65%	186	62	0	0	0	0	0
70%	155	51	0	0	0	0	0
75%	142	47	0	0	0	0	0
80%	109	33	0	0	0	0	0
85%	76	26	0	0	0	0	0
90%	60	7	0	0	0	0	0
95%	35	1	0	0	0	0	0
100%	0	0	0	0	0	0	0



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**Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017**  
*(Projected water availability in the absence of Monticello Dam)*

**Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek**

**Average Monthly Flow in Cubic Feet Per Second (cfs)**  
*(projected stream flow at downstream end of reach)*

<b>Percent Exceedance</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>
5%	2,025	549	167	66	31	9	46
10%	1,246	391	118	50	4	0	26
15%	906	314	89	40	0	0	2
20%	790	230	76	26	0	0	0
25%	659	186	64	18	0	0	0
30%	483	166	48	7	0	0	0
35%	415	140	39	0	0	0	0
40%	355	126	33	0	0	0	0
45%	281	115	27	0	0	0	0
50%	257	108	23	0	0	0	0
55%	226	81	15	0	0	0	0
60%	193	70	3	0	0	0	0
65%	183	58	0	0	0	0	0
70%	152	47	0	0	0	0	0
75%	138	42	0	0	0	0	0
80%	106	28	0	0	0	0	0
85%	72	21	0	0	0	0	0
90%	56	3	0	0	0	0	0
95%	31	0	0	0	0	0	0
100%	0	0	0	0	0	0	0



## Solano County Water Agency

Lower Putah Creek Riparian Water Availability Forecast: Mar. 1, 2017  
 (Projected water availability in the absence of Monticello Dam)

### Raw Data

(data presented for Reach 1 through 5)

reach	Description	exc	Apr	May	Jun	Jul	Aug	Sep	Oct
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	5%	2,028	547	176	75	51	21	54
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	10%	1,251	395	131	64	27	12	38
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	15%	913	322	105	57	21	8	16
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	20%	799	242	95	46	14	4	8
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	25%	669	199	83	39	11	1	5
2	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	30%	494	181	69	30	5	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	35%	426	156	61	17	3	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	40%	367	143	56	12	2	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	45%	293	133	51	9	1	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	50%	270	126	46	6	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	55%	239	100	39	4	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	60%	206	90	27	2	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	65%	196	77	19	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	70%	166	67	12	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	75%	153	63	10	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	80%	121	50	4	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	85%	87	43	0	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	90%	72	25	0	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	95%	47	19	0	0	0	0	0
1	Reach No. 1: Putah Diversion Dam to Hwy. 505 Bridge	100%	2	0	0	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	5%	2,034	557	182	75	51	22	54
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	10%	1,256	402	135	63	25	13	37
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	15%	916	326	107	54	19	8	14
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	20%	801	244	95	42	11	3	5
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	25%	670	200	82	34	7	0	1
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	30%	495	181	68	25	1	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	35%	427	156	59	12	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	40%	367	141	53	6	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	45%	293	131	48	3	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	50%	270	124	43	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	55%	239	98	36	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	60%	205	87	23	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	65%	196	75	15	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	70%	165	64	8	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	75%	151	60	6	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	80%	119	46	0	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	85%	85	39	0	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	90%	70	21	0	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	95%	45	14	0	0	0	0	0
2	Reach No. 2: Hwy. 505 Bridge to Stevenson Road Bridge	100%	0	0	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	5%	2,035	560	177	76	41	19	56
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	10%	1,257	403	130	62	15	8	37
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	15%	916	326	102	52	9	2	14
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	20%	801	243	89	39	2	0	4
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	25%	670	199	77	31	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	30%	495	179	62	21	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	35%	426	154	53	8	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	40%	367	139	48	2	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	45%	293	129	42	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	50%	269	122	37	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	55%	238	96	30	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	60%	205	85	17	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	65%	195	72	9	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	70%	164	61	2	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	75%	150	57	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	80%	118	43	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	85%	84	36	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	90%	69	17	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	95%	44	11	0	0	0	0	0
3	Reach No. 3: Stevenson Road Bridge to Hwy. 180 Bridge	100%	0	0	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	5%	2,028	553	171	70	35	13	50
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	10%	1,249	395	122	54	8	0	30
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	15%	909	318	94	44	1	0	6
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	20%	793	235	81	31	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	25%	662	190	68	22	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	30%	487	170	53	12	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	35%	418	145	44	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	40%	359	130	39	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	45%	284	119	33	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	50%	261	113	28	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	55%	230	86	21	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	60%	196	75	8	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	65%	186	62	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	70%	155	51	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	75%	142	47	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	80%	109	33	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	85%	76	26	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	90%	60	7	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	95%	35	1	0	0	0	0	0
4	Reach No. 4: Hwy. 180 Bridge to Mace Boulevard Bridge	100%	0	0	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	5%	2,025	549	167	66	31	9	46
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	10%	1,246	391	118	50	4	0	26
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	15%	906	314	89	40	0	0	2
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	20%	790	230	76	26	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	25%	659	186	64	18	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	30%	483	166	48	7	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	35%	415	140	39	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	40%	355	126	33	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	45%	281	115	27	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	50%	257	108	23	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	55%	226	81	13	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	60%	193	70	3	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	65%	183	58	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	70%	152	47	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	75%	138	42	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	80%	106	28	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	85%	72	21	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	90%	56	3	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	95%	31	0	0	0	0	0	0
5	Reach No. 5: Mace Blvd. Bridge to River Mile 0.0 of Putah Creek	100%	0	0	0	0	0	0	0