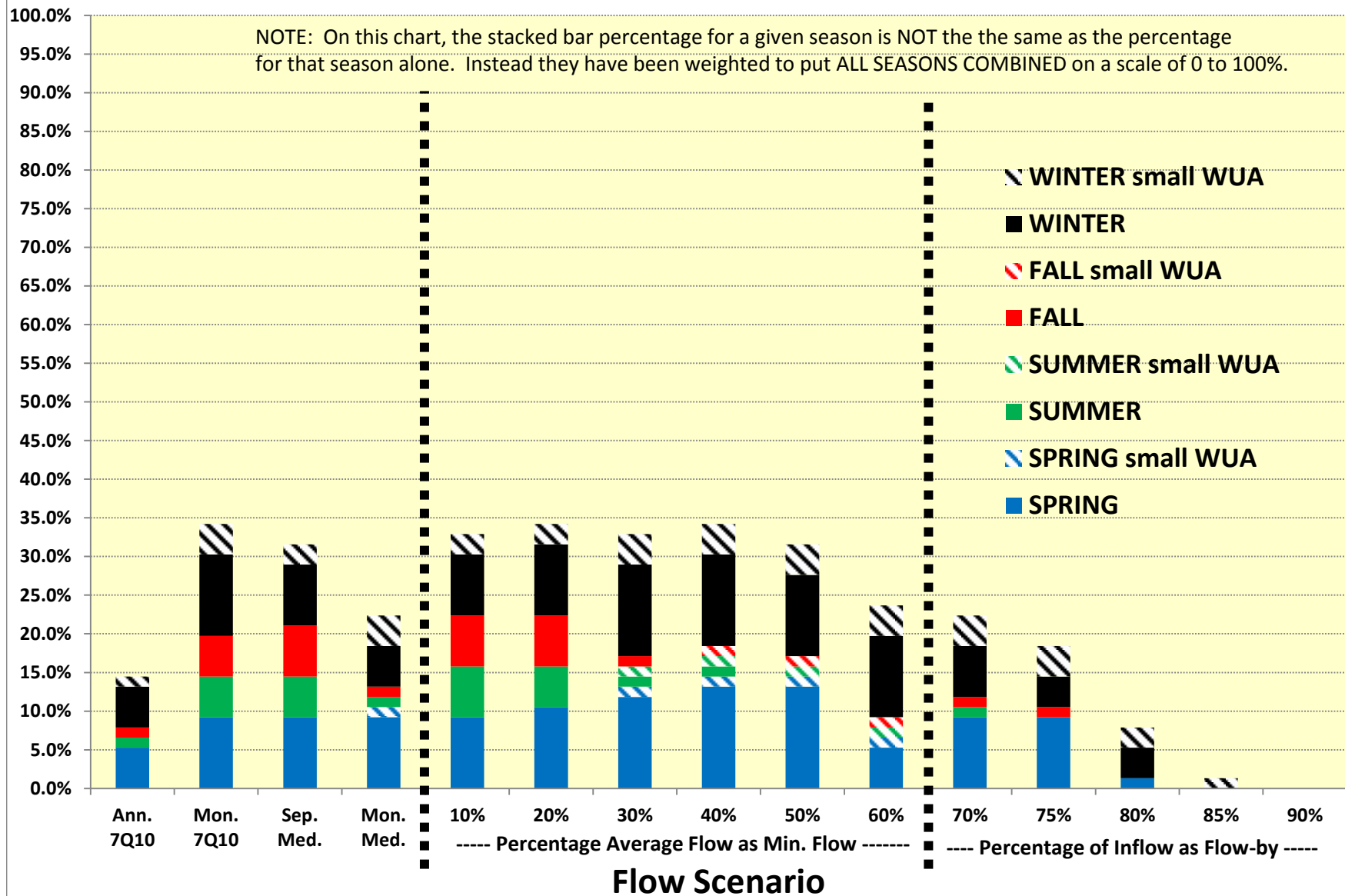


**Tar River, Louisburg site - Percentage (weighted equally for each season) of 19 Guilds/Species with More Than 120% of Unregulated Index B Value**



# TAR RIVER

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season	SPRING
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April - June

Numbers in Red indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	1	1	1	1	1	1	1	1	1	1	1	1	1		
	SSVEG	1	1	1	1	1	1	1	1	1		1	1			
	SSWOOD	1	1	1	1	1	1	1	1	1		1	1			
	SSCOARSE		1		1	1	1	1	1	1	1	1	1			
	SSFINENC	1	1	1	1	1	1	1	1	1		1	1			
	SFLOWVEL		1	1	1	1	1	1	1	1	1	1	1			
	SFMODEVEL		1	1	1	1	1	1	1	1	1	1	1			
	SFHIVEL				0.01			0.01	0.01	0.01	0.01					
Deep	DSCOV															
	DSCOV2															
	DSNC								1	1						
	DFFINE															
	DFGRCOB															
	DFOARSE															
Other	AMSS2															
	ROBRHS															
	GORHA															
	GORHJ															
	AMSS4															
	EPHEM			1			1	1	1	1						
	PLECO							1	1	1						
	TRIC1															
	MACLR			1			1	1								
Total out of 19		4	7	7	7.01	7	8	9.01	10.01	10.01	4.01	7	7	1	0	0
total > 1000 WUA		4	7	7	7	7	8	9	10	10	4	7	7	1	0	0
total < 1000 WUA		0	0	0	1	0	0	1	1	1	1	0	0	0	0	0
Total out of 19		4	7	7	8	7	8	10	11	11	5	7	7	1	0	0
% for just this season		21.1%	36.8%	36.8%	42.1%	36.8%	42.1%	52.6%	57.9%	57.9%	26.3%	36.8%	36.8%	5.3%	0.0%	0.0%
% weighted equally for each season		5.3%	9.2%	9.2%	10.5%	9.2%	10.5%	13.2%	14.5%	14.5%	6.6%	9.2%	9.2%	1.3%	0.0%	0.0%
% > 1000 WUA		5.3%	9.2%	9.2%	9.2%	9.2%	10.5%	11.8%	13.2%	13.2%	5.3%	9.2%	9.2%	1.3%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	1.3%	1.3%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
2085
14344
14345
1955
19820
1856
1117
25
10981
15509
21078
28498
1243
16520
46267
8263
6312
25594
8742
28524
44466

# TAR RIVER

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SPRING**

April - June

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	349.8%	285.3%	246.6%	134.1%	371.8%	244.8%	203.6%	165.7%	139.9%	125.9%	154.5%	146.1%	124.3%	117.6%	111.5%
	SSVEG	187.3%	215.1%	216.3%	126.0%	250.1%	208.7%	168.0%	144.5%	129.2%	119.9%	142.3%	135.8%	118.2%	113.2%	108.5%
	SSWOOD	187.6%	215.1%	216.3%	126.0%	250.1%	208.8%	168.0%	144.5%	129.2%	119.9%	142.3%	135.8%	118.3%	113.2%	108.5%
	SSCOARSE	96.7%	130.6%	102.1%	127.2%	146.1%	123.9%	134.5%	134.5%	134.5%	131.5%	121.4%	120.0%	105.9%	104.6%	103.1%
	SSFINENC	134.3%	170.5%	176.7%	120.6%	184.4%	173.3%	148.0%	134.8%	124.5%	116.8%	129.5%	125.4%	112.4%	109.0%	105.8%
	SFLOWVEL	46.2%	159.6%	153.8%	126.7%	171.8%	152.9%	147.1%	140.6%	136.2%	130.7%	129.7%	126.3%	111.3%	108.3%	105.4%
	SFMODEVEL	18.5%	161.5%	195.3%	130.3%	121.9%	203.3%	191.4%	155.4%	131.7%	120.4%	131.5%	127.9%	113.5%	110.1%	106.7%
	SFHIVEL	8.0%	76.0%	68.0%	140.0%	36.0%	80.0%	136.0%	156.0%	156.0%	148.0%	100.0%	104.0%	104.0%	104.0%	104.0%
Deep	DSCOV	30.7%	60.8%	57.4%	100.2%	35.8%	64.5%	97.8%	101.5%	98.9%	101.9%	91.3%	92.8%	93.9%	96.5%	97.9%
	DSCOV2	44.9%	100.0%	106.3%	108.4%	86.1%	108.7%	114.5%	112.9%	110.8%	108.6%	101.8%	101.6%	101.4%	101.1%	100.8%
	DSNC	56.9%	98.7%	96.5%	107.7%	84.2%	101.0%	118.7%	122.8%	122.6%	114.5%	102.3%	102.2%	102.0%	101.6%	101.1%
	DDFINE	14.8%	55.8%	55.6%	100.4%	35.5%	59.6%	83.2%	98.0%	105.9%	108.7%	89.1%	91.5%	93.7%	95.6%	97.3%
	DFGRCOB	2.7%	17.8%	18.8%	73.8%	15.5%	19.1%	20.3%	28.2%	46.3%	70.8%	67.9%	72.4%	77.2%	83.1%	88.9%
	DFCOARSE	17.3%	49.9%	51.4%	91.4%	33.6%	54.3%	71.0%	82.1%	89.8%	94.6%	87.2%	89.9%	92.2%	94.4%	96.4%
Other	AMSS2	4.5%	49.3%	53.5%	95.3%	25.7%	57.4%	77.3%	88.1%	94.9%	99.0%	86.7%	89.5%	92.0%	94.3%	96.4%
	ROBRHS															
	GORHA	38.2%	76.3%	79.4%	96.5%	65.2%	81.1%	89.5%	93.7%	96.3%	97.7%	93.1%	94.3%	96.9%	97.8%	98.6%
	GORHJ	25.5%	71.0%	74.4%	103.8%	52.9%	77.6%	93.5%	102.3%	107.3%	109.3%	94.0%	95.5%	96.8%	97.8%	98.7%
	AMSS4															
	EPHEM	58.6%	117.7%	124.9%	115.5%	104.7%	126.5%	130.5%	126.1%	120.7%	115.3%	112.5%	111.4%	104.7%	103.6%	102.4%
	PLECO	21.4%	94.8%	105.5%	113.6%	68.7%	108.9%	122.2%	124.4%	121.3%	116.3%	102.8%	102.5%	102.2%	101.7%	101.2%
	TRIC1	41.5%	87.6%	91.7%	106.0%	73.1%	93.9%	104.9%	107.8%	108.2%	107.4%	99.3%	99.8%	100.2%	100.2%	100.2%
	MACLR	62.3%	116.0%	120.8%	110.9%	110.5%	121.3%	121.3%	118.0%	114.2%	110.8%	110.1%	109.1%	103.9%	102.9%	101.9%
AVERAGE		68.9%	114.7%	114.8%	112.1%	110.6%	117.6%	121.0%	118.2%	115.2%	112.8%	109.0%	108.3%	103.1%	102.4%	101.7%
MEDIAN		41.5%	98.7%	102.1%	110.9%	84.2%	108.7%	121.3%	122.8%	120.7%	114.5%	102.3%	102.5%	102.2%	101.7%	101.2%
MINIMUM		2.7%	17.8%	18.8%	73.8%	15.5%	19.1%	20.3%	28.2%	46.3%	70.8%	67.9%	72.4%	77.2%	83.1%	88.9%
MAXIMUM		349.8%	285.3%	246.6%	140.0%	371.8%	244.8%	203.6%	165.7%	156.0%	148.0%	154.5%	146.1%	124.3%	117.6%	111.5%

# TAR RIVER

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season	SUMMER
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July - September

Numbers in Red indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	1	1	1		1	1					1				
	SSVEG		1	1		1	1									
	SSWOOD		1	1		1	1									
	SSCOARSE		1													
	SSFINENC					1										
	SFLOWVEL					1										
	SFMODEVEL			1	1		1	1	1							
	SFHIVEL							0.01	0.01	0.01	0.01					
Deep	DSCOV															
	DSCOV2															
	DSNC															
	DFFINE															
	DFGRCOB															
	DFCOARSE															
Other	AMSS2															
	ROBRHS															
	GORHA															
	GORHJ															
	AMSS4															
	EPHEM															
	PLECO															
	TRIC1															
	MACLR															
Total out of 19		1	4	4	1	5	4	1.01	1.01	0.01	0.01	1	0	0	0	0
total > 1000 WUA		1	4	4	1	5	4	1	1	0	0	1	0	0	0	0
total < 1000 WUA		0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
Total out of 19		1	4	4	1	5	4	2	2	1	1	1	0	0	0	0
% for just this season		5.3%	21.1%	21.1%	5.3%	26.3%	21.1%	10.5%	10.5%	5.3%	5.3%	5.3%	0.0%	0.0%	0.0%	0.0%
% weighted equally for each season		1.3%	5.3%	5.3%	1.3%	6.6%	5.3%	2.6%	2.6%	1.3%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%
% > 1000 WUA		1.3%	5.3%	5.3%	1.3%	6.6%	5.3%	1.3%	1.3%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.3%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
4702
25745
25752
2425
29398
2579
1340
19
7945
15107
19883
19400
614
11524
30744
6850
4935
27697
8079
25652
46639

# TAR RIVER

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SUMMER**

July - September

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	155.1%	176.1%	120.8%	118.9%	166.1%	120.3%	110.5%	102.5%	97.4%	94.7%	120.1%	116.3%	112.7%	109.3%	106.1%
	SSVEG	104.4%	124.0%	124.3%	118.3%	139.2%	121.5%	108.4%	102.0%	98.2%	95.9%	111.3%	109.5%	107.6%	105.7%	103.8%
	SSWOOD	104.5%	124.1%	124.3%	118.3%	139.2%	121.5%	108.4%	102.0%	98.2%	95.9%	111.4%	109.5%	107.6%	105.7%	103.8%
	SSCOARSE	77.9%	126.4%	89.8%	102.2%	118.6%	102.0%	107.6%	107.6%	107.6%	106.5%	104.4%	103.7%	103.0%	102.4%	101.8%
	SSFINENC	90.6%	105.2%	119.9%	115.6%	124.0%	118.3%	107.9%	103.3%	99.7%	97.5%	106.3%	105.4%	104.4%	103.4%	102.3%
	SFLOWVEL	33.3%	84.1%	113.2%	112.6%	123.5%	112.8%	110.3%	107.9%	106.3%	104.4%	103.6%	103.2%	102.8%	102.2%	101.5%
	SFMODEVEL	15.4%	40.9%	145.6%	150.4%	99.1%	149.8%	142.2%	127.4%	117.8%	113.4%	96.8%	97.8%	98.7%	99.4%	99.7%
	SFHIVEL	10.5%	21.1%	78.9%	100.0%	47.4%	89.5%	126.3%	142.1%	136.8%	126.3%	78.9%	84.2%	89.5%	89.5%	94.7%
Deep	DSCOV	42.4%	44.1%	71.3%	88.0%	49.4%	77.3%	103.5%	103.2%	99.8%	104.2%	79.1%	81.8%	84.4%	86.9%	95.2%
	DSCOV2	46.1%	60.0%	103.2%	105.7%	87.4%	104.7%	107.8%	106.1%	105.1%	104.1%	94.5%	95.8%	96.9%	97.8%	98.7%
	DSNC	60.3%	68.4%	98.5%	103.2%	88.6%	101.5%	111.7%	113.8%	112.7%	107.8%	94.3%	95.5%	96.6%	97.6%	98.1%
	DDFINE	21.8%	34.3%	73.4%	81.3%	51.4%	76.9%	96.0%	106.3%	111.5%	113.3%	82.4%	85.6%	88.7%	91.7%	94.6%
	DFGRCOB	5.4%	15.0%	36.0%	37.0%	30.9%	36.5%	37.8%	45.3%	61.4%	82.9%	52.3%	57.3%	85.7%	89.3%	92.5%
	DFCOARSE	24.8%	30.7%	66.5%	72.0%	47.4%	69.0%	82.1%	89.7%	94.6%	97.6%	74.6%	77.8%	80.9%	83.9%	86.7%
Other	AMSS2	6.8%	13.8%	68.8%	76.4%	37.5%	72.5%	89.0%	96.7%	101.3%	103.9%	75.2%	85.1%	88.3%	91.3%	94.4%
	ROBRHS															
	GORHA	46.1%	57.5%	90.8%	93.5%	77.9%	92.1%	97.7%	100.1%	101.5%	102.2%	91.2%	92.9%	94.6%	96.0%	97.4%
	GORHJ	32.6%	42.2%	87.3%	92.3%	66.6%	89.8%	101.0%	106.3%	109.2%	110.3%	87.3%	89.8%	92.1%	94.3%	96.3%
	AMSS4															
	EPHEM	54.1%	70.0%	110.0%	111.7%	95.7%	111.0%	112.8%	110.3%	108.0%	105.7%	96.9%	97.7%	98.4%	98.9%	99.4%
	PLECO	23.1%	37.3%	103.1%	107.2%	72.6%	105.3%	113.3%	113.1%	110.3%	108.0%	89.7%	91.9%	93.9%	95.7%	97.3%
	TRIC1	46.2%	58.0%	96.0%	99.2%	80.2%	97.5%	104.3%	105.8%	105.6%	103.7%	92.5%	94.0%	95.4%	96.7%	97.9%
	MACLR	59.4%	76.1%	112.1%	112.4%	104.5%	112.4%	112.0%	110.5%	108.7%	107.2%	99.2%	99.5%	99.7%	99.9%	99.9%
AVERAGE		50.5%	67.1%	96.8%	100.8%	88.0%	99.2%	104.3%	104.9%	104.4%	104.1%	92.5%	94.0%	96.3%	97.0%	98.2%
MEDIAN		46.1%	58.0%	98.5%	103.2%	87.4%	102.0%	107.9%	106.1%	105.6%	104.2%	94.3%	95.5%	96.6%	97.6%	98.1%
MINIMUM		5.4%	13.8%	36.0%	37.0%	30.9%	36.5%	37.8%	45.3%	61.4%	82.9%	52.3%	57.3%	80.9%	83.9%	86.7%
MAXIMUM		155.1%	176.1%	145.6%	150.4%	166.1%	149.8%	142.2%	142.1%	136.8%	126.3%	120.1%	116.3%	112.7%	109.3%	106.1%

# TAR RIVER

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season	<b>FALL</b>
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**Oct & Nov**

Numbers in **Red** indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	1	1	1		1	1					1	1			
	SSVEG		1	1		1	1									
	SSWOOD		1	1		1	1									
	SSCOARSE		1													
	SSFINENC			1		1	1									
	SFLOWVEL					1										
	SFMODEVEL			1	1		1	1								
	SFHIVEL								0.01	0.01	0.01					
Deep	DSCOV															
	DSCOV2															
	DSNC															
	DFFINE															
	DFGRCOB															
	DFCOARSE															
Other	AMSS2															
	ROBRHS															
	GORHA															
	GORHJ															
	AMSS4															
	EPHEM															
	PLECO															
	TRIC1															
	MACLR															
Total out of 19		1	4	5	1	5	5	1	0.01	0.01	0.01	1	1	0	0	0
total > 1000 WUA		1	4	5	1	5	5	1	0	0	0	1	1	0	0	0
total < 1000 WUA		0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
Total out of 19		1	4	5	1	5	5	1	1	1	1	1	1	0	0	0
% for just this season		5.3%	21.1%	26.3%	5.3%	26.3%	26.3%	5.3%	5.3%	5.3%	5.3%	5.3%	5.3%	0.0%	0.0%	0.0%
% weighted equally for each season		1.3%	5.3%	6.6%	1.3%	6.6%	6.6%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%	0.0%	0.0%	0.0%
% > 1000 WUA		1.3%	5.3%	6.6%	1.3%	6.6%	6.6%	1.3%	0.0%	0.0%	0.0%	1.3%	1.3%	0.0%	0.0%	0.0%
% < 1000 WUA		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.3%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%

unregulated Index B
4273
24744
24755
2433
28911
2606
1497
22
8220
15516
20552
21042
676
11467
33594
7103
5242
28506
8526
26630
49051

# TAR RIVER

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **FALL**

October & November

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	170.7%	200.8%	128.0%	119.4%	181.8%	127.4%	115.3%	105.2%	98.9%	95.6%	125.3%	120.6%	116.1%	111.7%	107.6%
	SSVEG	108.6%	135.7%	128.7%	116.1%	145.0%	125.7%	110.9%	103.4%	98.9%	96.4%	114.2%	111.8%	109.4%	107.0%	104.6%
	SSWOOD	108.7%	135.7%	128.7%	116.1%	144.9%	125.6%	110.9%	103.4%	98.9%	96.4%	114.1%	111.7%	109.3%	106.9%	104.6%
	SSCOARSE	77.7%	128.8%	86.8%	104.5%	117.6%	100.3%	106.6%	106.6%	106.6%	105.3%	104.4%	103.5%	102.6%	101.9%	101.3%
	SSFINENC	92.1%	114.3%	122.0%	112.9%	126.4%	120.2%	109.0%	104.0%	100.3%	97.8%	108.3%	107.0%	105.7%	104.3%	102.9%
	SFLOWVEL	32.9%	100.3%	111.7%	109.5%	122.3%	111.3%	108.7%	106.1%	104.5%	102.5%	105.8%	105.0%	104.1%	103.1%	102.1%
	SFMODEVEL	13.8%	50.6%	135.9%	135.3%	90.5%	140.1%	133.5%	118.2%	108.5%	103.1%	97.4%	98.5%	99.3%	99.8%	100.1%
	SFHIVEL	9.1%	22.7%	72.7%	104.5%	40.9%	81.8%	118.2%	131.8%	127.3%	122.7%	77.3%	81.8%	86.4%	90.9%	90.9%
Deep	DSCOV	41.0%	44.0%	69.6%	92.6%	47.7%	75.8%	102.5%	102.3%	99.6%	103.3%	87.2%	89.7%	92.0%	94.0%	96.1%
	DSCOV2	44.9%	66.3%	102.6%	106.2%	85.9%	104.3%	107.8%	106.3%	105.2%	104.1%	95.7%	96.7%	97.6%	98.4%	99.0%
	DSNC	58.4%	72.8%	96.8%	106.8%	86.3%	99.9%	111.1%	113.4%	112.2%	107.6%	94.6%	96.4%	97.3%	98.1%	98.8%
	DDFINE	20.1%	36.2%	70.0%	86.4%	47.9%	73.7%	93.4%	104.3%	109.7%	111.5%	82.3%	85.6%	88.8%	91.8%	94.7%
	DFGRCOB	4.9%	18.6%	33.4%	34.8%	28.4%	33.9%	35.2%	42.9%	59.5%	80.9%	50.7%	55.9%	83.6%	87.4%	91.9%
	DFCOARSE	25.0%	35.1%	69.2%	81.6%	48.3%	72.1%	86.8%	95.6%	101.1%	104.5%	80.9%	84.4%	87.8%	91.0%	94.1%
Other	AMSS2	6.2%	17.9%	64.3%	81.1%	35.2%	70.2%	87.1%	95.3%	99.9%	102.6%	76.3%	85.4%	88.6%	91.6%	94.6%
	ROBRHS															
	GORHA	44.4%	61.2%	89.3%	94.6%	75.7%	90.7%	96.7%	99.4%	100.9%	101.7%	91.6%	93.2%	94.8%	96.2%	97.6%
	GORHJ	30.7%	45.9%	84.8%	95.0%	63.5%	87.4%	99.2%	105.0%	108.0%	109.2%	87.7%	90.1%	92.4%	94.5%	96.5%
	AMSS4															
	EPHEM	52.6%	75.3%	109.0%	111.1%	93.8%	110.0%	112.1%	109.5%	107.1%	104.7%	97.9%	98.5%	99.0%	99.4%	99.7%
	PLECO	21.9%	43.8%	101.6%	109.3%	70.1%	104.0%	112.4%	112.5%	110.3%	107.8%	91.1%	93.2%	94.9%	96.5%	97.8%
	TRIC1	44.5%	61.4%	94.7%	100.9%	78.1%	96.3%	103.6%	105.3%	105.1%	103.7%	92.9%	94.4%	95.8%	97.0%	98.1%
	MACLR	56.5%	80.7%	107.9%	108.0%	100.0%	108.2%	108.0%	106.4%	104.5%	102.9%	99.1%	99.5%	99.8%	99.9%	100.0%
AVERAGE		50.7%	73.7%	95.7%	101.3%	87.2%	98.0%	103.3%	103.7%	103.2%	103.1%	94.0%	95.4%	97.4%	98.2%	98.7%
MEDIAN		44.4%	61.4%	96.8%	106.2%	85.9%	100.3%	108.0%	105.2%	104.5%	103.3%	94.6%	96.4%	97.3%	98.1%	98.8%
MINIMUM		4.9%	17.9%	33.4%	34.8%	28.4%	33.9%	35.2%	42.9%	59.5%	80.9%	50.7%	55.9%	83.6%	87.4%	90.9%
MAXIMUM		170.7%	200.8%	135.9%	135.3%	181.8%	140.1%	133.5%	131.8%	127.3%	122.7%	125.3%	120.6%	116.1%	111.7%	107.6%

# TAR RIVER

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is > 120% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season	WINTER
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Dec - March

Numbers in Red indicate low amount of habitat (seasonal unregulated index B < 1,000).

Guild		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	SSVEG	1	1	1	1	1	1	1	1	1	1	1	1	1		
	SSWOOD	1	1	1	1	1	1	1	1	1	1	1	1	1		
	SSCOARSE	1	1	1	1	1	1	1	1	1	1	1				
	SSFINENC	1	1	1		1	1	1	1	1	1	1				
	SFLOWVEL		1	1	1	1	1	1	1	1	1	1	1	1		
	SFMODEVEL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
	SFHIVEL		0.01		0.01			0.01	0.01	0.01	0.01	0.01	0.01			
Deep	DSCOV															
	DSCOV2							1	1							
	DSNC		1					1	1	1	1					
	DFFINE															
	DFGRCOB															
	DFCOARSE															
Other	AMSS2															
	ROBRHS															
	GORHA															
	GORHJ															
	AMSS4															
	EPHEM		1	1		1	1	1	1	1	1					
	PLECO		1			1	1	1	1	1	1					
	TRIC1															
	MACLR		1	1		1	1	1	1	1	1					
Total out of 19		4.01	8.03	6.02	4.03	6.02	7.02	9.03	9.03	8.03	8.03	5.03	3.03	3.02	0.01	0
total > 1000 WUA		4	8	6	4	6	7	9	9	8	8	5	3	3	0	0
total < 1000 WUA		1	3	2	3	2	2	3	3	3	3	3	3	2	1	0
Total out of 19		5	11	8	7	8	9	12	12	11	11	8	6	5	1	0
% for just this season		26.3%	57.9%	42.1%	36.8%	42.1%	47.4%	63.2%	63.2%	57.9%	57.9%	42.1%	31.6%	26.3%	5.3%	0.0%
% weighted equally for each season		6.6%	14.5%	10.5%	9.2%	10.5%	11.8%	15.8%	15.8%	14.5%	14.5%	10.5%	7.9%	6.6%	1.3%	0.0%
% > 1000 WUA		5.3%	10.5%	7.9%	5.3%	7.9%	9.2%	11.8%	11.8%	10.5%	10.5%	6.6%	3.9%	3.9%	0.0%	0.0%
% < 1000 WUA		1.3%	3.9%	2.6%	3.9%	2.6%	2.6%	3.9%	3.9%	3.9%	3.9%	3.9%	3.9%	2.6%	1.3%	0.0%

unregulated Index B
982
8911
8911
1465
14223
1260
696
20
11243
14421
18987
30253
1997
19250
52633
8722
6304
21476
7747
27601
39035



# TAR RIVER

Table shows percentage of unregulated Index B value achieved by flow scenario

Season **WINTER**

December - March

Highlighted cells are those >120% or < 80%

Guild		Traditional Minimum Flow				Minimum = Percent Mean Annual Flow						Percent Flow-by				
		Ann. 7Q10	Mon. 7Q10	Sep. Med.	Mon. Med.	10%	20%	30%	40%	50%	60%	70%	75%	80%	85%	90%
Shallow	SSYOY	742.7%	450.6%	523.6%	122.1%	789.3%	519.8%	421.9%	318.2%	240.7%	195.1%	168.5%	153.8%	140.4%	128.6%	118.0%
	SSVEG	301.6%	296.1%	348.2%	122.6%	402.5%	335.9%	263.8%	215.5%	180.6%	157.7%	136.9%	129.1%	122.1%	115.7%	110.0%
	SSWOOD	302.1%	296.1%	348.2%	122.6%	402.7%	336.0%	263.8%	215.6%	180.6%	157.7%	136.9%	129.1%	122.1%	115.7%	110.0%
	SSCOARSE	129.0%	171.5%	136.3%	144.8%	195.0%	165.3%	179.5%	179.5%	179.5%	173.9%	122.5%	118.8%	114.9%	111.2%	107.4%
	SSFINENC	187.2%	217.4%	246.2%	118.3%	257.0%	241.4%	202.9%	179.3%	158.8%	142.4%	124.4%	119.4%	114.8%	110.6%	106.8%
	SFLOWVEL	68.1%	223.7%	226.5%	132.5%	253.0%	225.2%	215.6%	203.4%	194.1%	181.8%	131.5%	125.7%	120.1%	114.7%	109.5%
	SFMODEVEL	29.7%	285.2%	313.5%	122.6%	195.7%	326.4%	306.6%	236.4%	183.9%	156.9%	136.4%	128.9%	122.0%	115.8%	110.1%
	SFHIVEL	10.0%	145.0%	85.0%	135.0%	45.0%	100.0%	180.0%	210.0%	215.0%	195.0%	120.0%	120.0%	115.0%	115.0%	110.0%
Deep	DSCOV	30.0%	81.8%	56.0%	102.1%	35.0%	63.0%	97.9%	102.8%	99.4%	103.6%	99.6%	99.9%	100.0%	100.1%	100.1%
	DSCOV2	48.3%	117.2%	114.4%	106.8%	92.6%	116.9%	123.7%	121.6%	118.5%	115.1%	105.0%	104.1%	103.2%	102.4%	101.6%
	DSNC	63.2%	122.5%	107.1%	99.8%	93.4%	112.1%	133.8%	139.6%	139.8%	126.2%	108.4%	107.0%	105.5%	104.0%	102.6%
	DDFINE	14.0%	70.4%	52.4%	108.4%	33.4%	56.1%	80.7%	98.5%	109.0%	113.1%	97.8%	98.7%	99.3%	99.7%	100.0%
	DFGRCOB	1.7%	13.8%	11.7%	98.6%	9.7%	11.9%	12.7%	19.1%	35.4%	58.8%	74.6%	79.6%	84.3%	88.6%	92.7%
	DFCOARSE	14.9%	55.7%	44.1%	98.4%	28.8%	46.6%	62.4%	74.7%	84.0%	90.4%	91.4%	93.3%	94.9%	96.4%	97.7%
Other	AMSS2	4.0%	60.1%	47.0%	100.6%	22.6%	50.3%	69.7%	81.8%	90.3%	95.8%	93.0%	94.7%	96.1%	97.3%	98.3%
	ROBRHS															
	GORHA	36.2%	81.0%	75.2%	98.9%	61.7%	76.9%	85.6%	90.7%	94.1%	96.2%	96.9%	97.6%	98.2%	98.7%	99.2%
	GORHJ	25.5%	86.6%	74.5%	111.9%	53.0%	77.7%	95.3%	106.5%	113.6%	116.7%	101.3%	101.5%	101.4%	101.1%	100.8%
	AMSS4															
	EPHEM	69.8%	149.2%	148.8%	112.3%	124.7%	150.8%	155.8%	149.6%	140.9%	131.6%	112.6%	110.3%	108.1%	105.9%	103.8%
	PLECO	24.1%	127.1%	119.1%	111.2%	77.5%	122.9%	139.4%	142.7%	137.7%	129.4%	109.0%	107.5%	105.9%	104.4%	102.9%
	TRIC1	42.9%	102.2%	94.7%	106.6%	75.5%	97.0%	109.5%	113.3%	114.1%	112.9%	102.7%	102.3%	101.9%	101.4%	101.0%
	MACLR	71.0%	135.8%	137.6%	109.5%	125.8%	138.2%	138.2%	133.6%	127.6%	121.8%	109.1%	107.4%	105.8%	104.3%	102.8%
AVERAGE		105.5%	156.6%	157.6%	113.6%	160.7%	160.5%	159.0%	149.2%	139.9%	132.0%	113.3%	110.9%	108.4%	106.3%	104.1%
MEDIAN		42.9%	127.1%	114.4%	111.2%	92.6%	116.9%	138.2%	139.6%	137.7%	126.2%	109.0%	107.4%	105.8%	104.3%	102.8%
MINIMUM		1.7%	13.8%	11.7%	98.4%	9.7%	11.9%	12.7%	19.1%	35.4%	58.8%	74.6%	79.6%	84.3%	88.6%	92.7%
MAXIMUM		742.7%	450.6%	523.6%	144.8%	789.3%	519.8%	421.9%	318.2%	240.7%	195.1%	168.5%	153.8%	140.4%	128.6%	118.0%