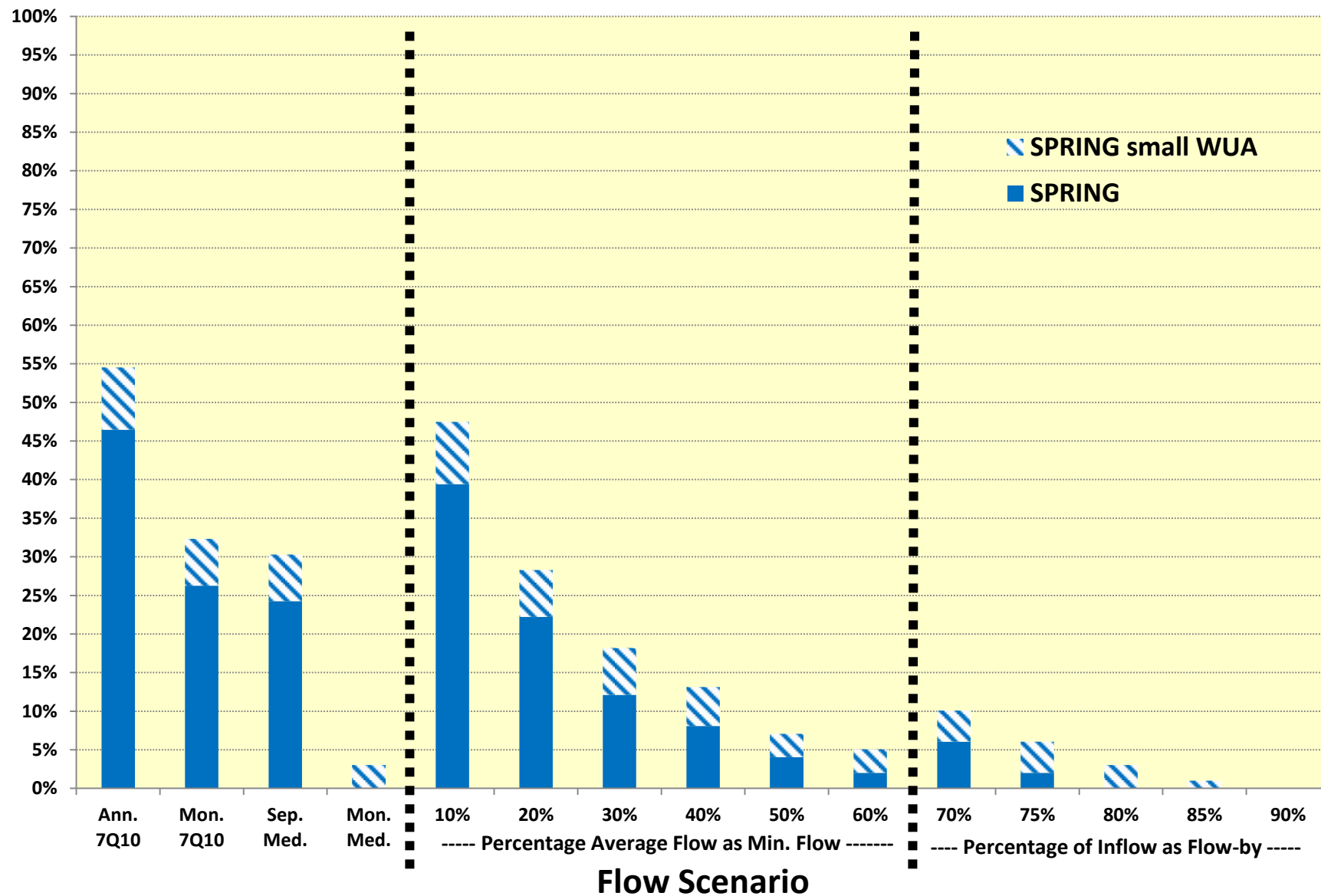


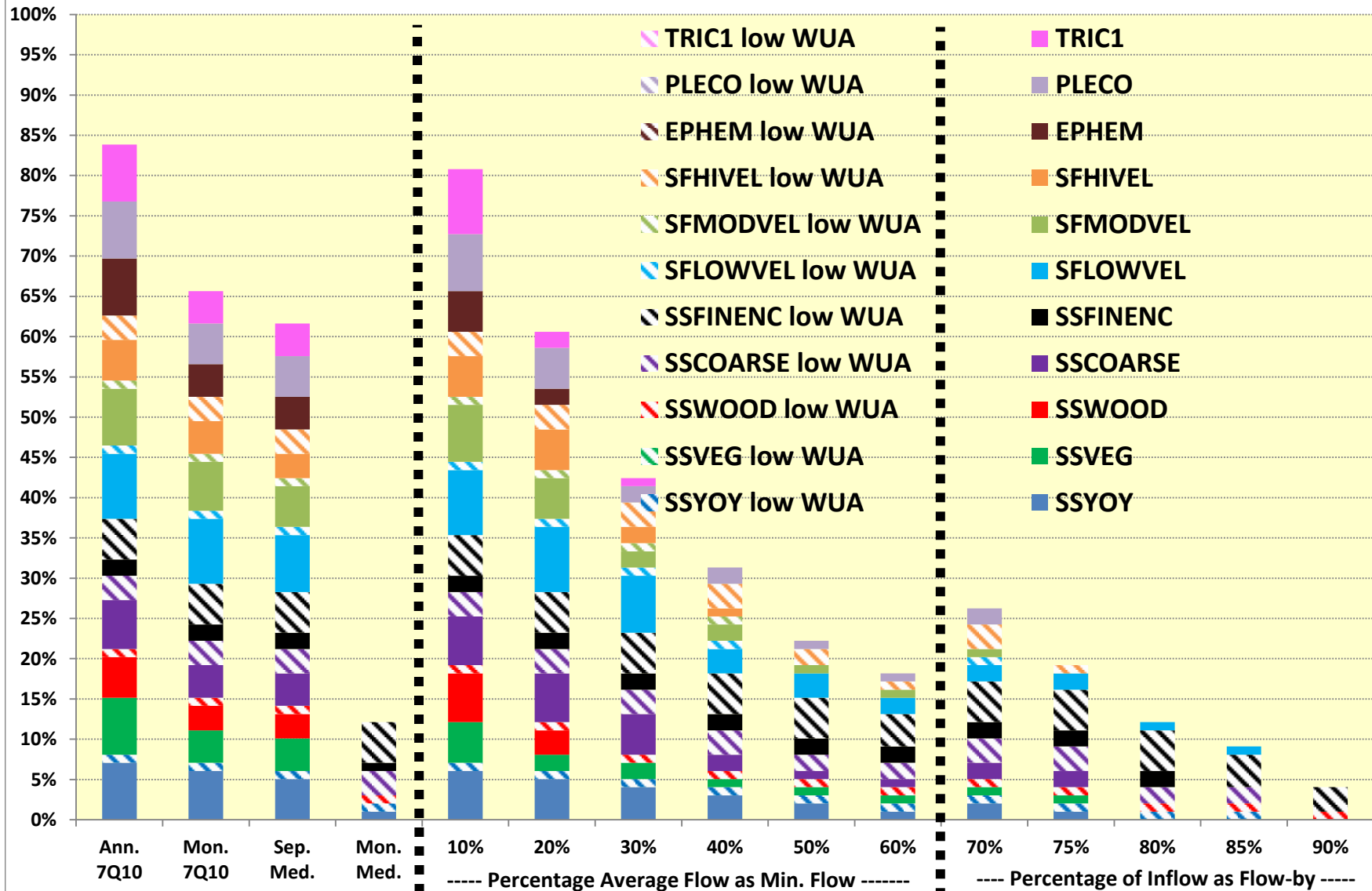
SPRING

**ALL SITES COMBINED - % of 11 Shallow & Benthic Guilds/Species
with Less Than 80% of Unregulated Index B Value, at all 9 sites combined**



SPRING

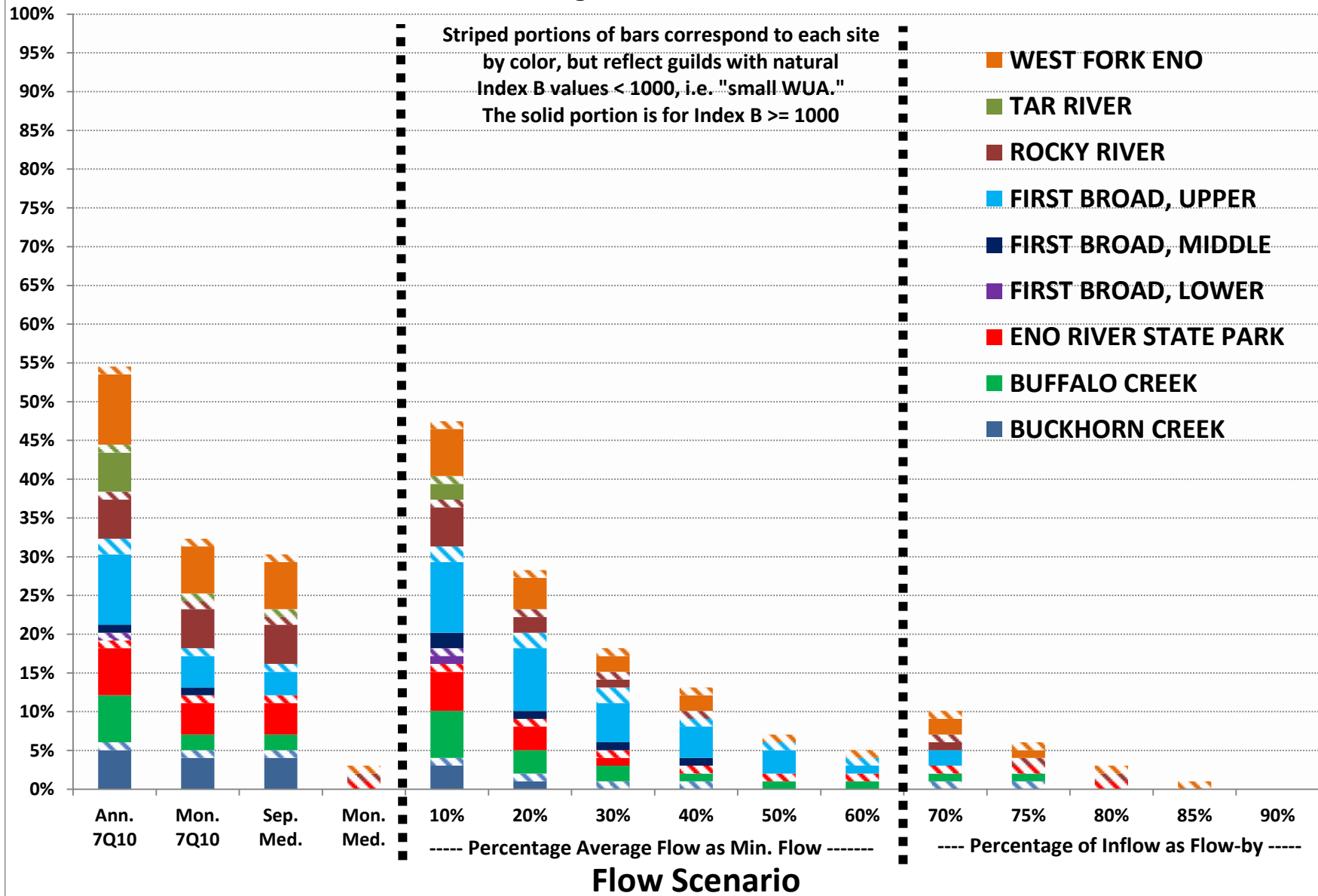
**ALL SITES COMBINED - % of 11 Shallow & Benthic Guilds/Species
with Less Than 80% of Unregulated Index B Value, at all 9 sites combined**



Flow Scenario

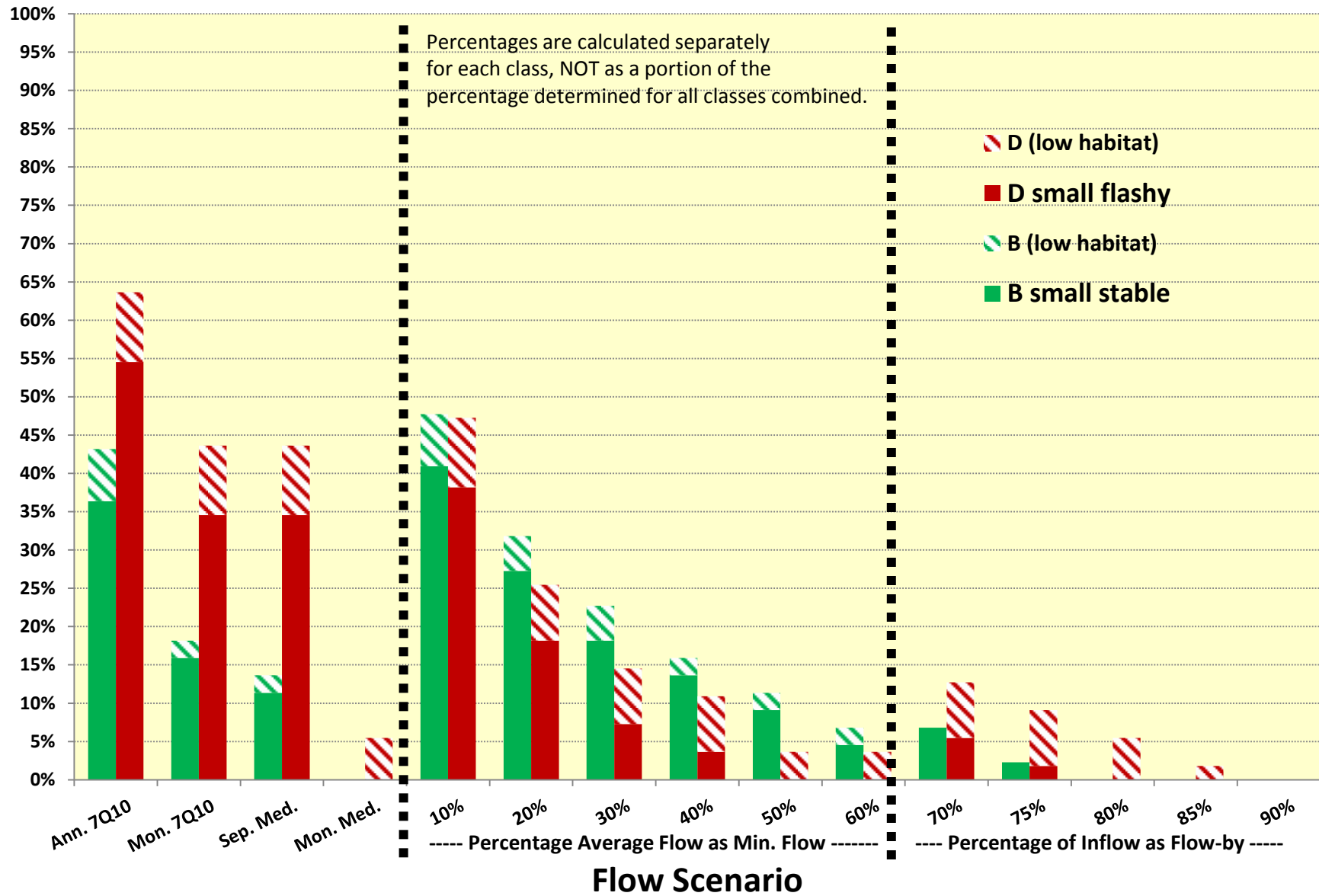
SPRING

**ALL SITES COMBINED - % of 11 Shallow & Benthic Guilds/Species
with Less Than 80% of Unregulated Index B Value, at all 9 sites combined**



SPRING

**ALL SITES COMBINED - % of 11 Shallow & Benthic Guilds/Species
with Less Than 80% of Unregulated Index B Value, at 9 sites sorted by class**



4 CLASS B SITES ONLY

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

 Season **SPRING**
April - June

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	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	SSVEG	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	SSWOOD	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	SSCOARSE	0.01	0	0	0	0.01	0.01	0.01	0	0	0	0	0	0	0	0
	SSFINENC	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0
	SFLOWVEL	2	1	0	0	2	1	1	1	0	0	0	0	0	0	0
	SFMODEVEL	2	2	2	0	3	2	2	1	1	0	1	0	0	0	0
	SFHIVEL	2.02	2.01	1.01	0	2.02	2.01	2.01	2.01	1.01	1.01	1	1	0	0	0
Deep	DSCOV	3.01	2.01	1.01	0.01	2.01	2.01	2.01	2.01	1.01	1.01	1.01	0.01	0.01	0.01	0
	DSCOV2	2	1	1	0	2	1	1	1	1	1	1	1	0	0	0
	DSNC	1.01	0.01	0.01	0.01	3.01	1.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	DFFINE	3.01	1.01	1.01	0.01	3.01	3.01	3.01	1.01	1.01	1.01	1.01	1.01	0.01	0.01	0
	DFGRCOB	1.02	1.02	1.02	0.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	0.02	0.02
	DFCOARSE	4	4	3	0	4	4	4	3	3	2	2	2	1	1	0
Other	AMSS2	4	2	2	0	4	4	2	2	2	0	1	0	0	0	0
	ROBRHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GORHA	3.01	2.01	1.01	0	3.01	3.01	2.01	2.01	1	1	1	0	0	0	0
	GORHJ	2.02	1.02	0.02	0	2.02	2.02	1.02	1.02	0.02	0.01	0.02	0.01	0	0	0
	AMSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EPHEM	2	0	0	0	2	1	0	0	0	0	0	0	0	0	0
	PLECO	2	1	1	0	2	2	1	1	1	1	1	0	0	0	0
	TRIC1	2	0	0	0	3	1	1	0	0	0	0	0	0	0	0
	MACLR	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0
Total out of 11* 4		16.03	7.01	5.01	0	18.03	12.02	8.02	6.01	4.01	2.01	3	1	0	0	0
total > 1000 WUA		16	7	5	0	18	12	8	6	4	2	3	1	0	0	0
total < 1000 WUA		3	1	1	0	3	2	2	1	1	1	0	0	0	0	0
Total out of 11* 4		19	8	6	0	21	14	10	7	5	3	3	1	0	0	0
% for just this season		43.2%	18.2%	13.6%	0.0%	47.7%	31.8%	22.7%	15.9%	11.4%	6.8%	6.8%	2.3%	0.0%	0.0%	0.0%
% > 1000 WUA		36.4%	15.9%	11.4%	0.0%	40.9%	27.3%	18.2%	13.6%	9.1%	4.5%	6.8%	2.3%	0.0%	0.0%	0.0%
% < 1000 WUA		6.8%	2.3%	2.3%	0.0%	6.8%	4.5%	4.5%	2.3%	2.3%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%

Total out of 11*

4

means total out of a maximum of

44

(11 shallow guilds/benthos x

4

sites of this type)

5 CLASS D SITES ONLY

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season **SPRING**

April - June

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SSVEG	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SSWOOD	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SSCOARSE	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SSFINENC	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
	SFLOWVEL	5	2	2	0	3	1	0	0	0	0	0	0	0	0	0
	SFMODEVEL	5	4	4	0	4	4	3	1	0	0	2	1	0	0	0
	SFHIVEL	0.05	0.05	0.05	0.03	0.05	0.04	0.04	0.04	0.02	0.02	0.04	0.04	0.03	0.01	0
Deep	DSCOV	4	4	4	1	4	3	2	1	1	0	1	1	0	0	0
	DSCOV2	5	3	3	0	3	1	1	0	0	0	0	0	0	0	0
	DSNC	4	3	3	0	3	2	0	0	0	0	0	0	0	0	0
	DFFINE	3.02	3.02	3.02	0.02	3.02	3.02	2.02	1.02	0.01	0.01	1.02	1.02	0.01	0.01	0
	DFGRCOB	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03	1.03	0.02	0.01
	DFCOARSE	4.01	4.01	4.01	0	4.01	4.01	3.01	0.01	0	0	0.01	0	0	0	0
Other	AMSS2	5	5	5	3	5	5	4	3	3	1	3	3	3	2	0
	ROBRHS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	GORHA	4	4	4	0	4	2	0	0	0	0	0	0	0	0	0
	GORHJ	3.01	3.01	3.01	0	3.01	3.01	1.01	0.01	0	0	0.01	0	0	0	0
	AMSS4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	EPHEM	5	4	4	0	3	1	0	0	0	0	0	0	0	0	0
	PLECO	5	4	4	0	5	3	1	1	0	0	1	0	0	0	0
	TRIC1	5	4	4	0	5	1	0	0	0	0	0	0	0	0	0
	MACLR	4	1	1	0	1	1	0	0	0	0	0	0	0	0	0
Total out of 11* 5		30.05	19.05	19.05	0.03	21.05	10.04	4.04	2.04	0.02	0.02	3.04	1.04	0.03	0.01	0
total > 1000 WUA		30	19	19	0	21	10	4	2	0	0	3	1	0	0	0
total < 1000 WUA		5	5	5	3	5	4	4	4	2	2	4	4	3	1	0
Total out of 11* 5		35	24	24	3	26	14	8	6	2	2	7	5	3	1	0
% for just this season		63.6%	43.6%	43.6%	5.5%	47.3%	25.5%	14.5%	10.9%	3.6%	3.6%	12.7%	9.1%	5.5%	1.8%	0.0%
% > 1000 WUA		54.5%	34.5%	34.5%	0.0%	38.2%	18.2%	7.3%	3.6%	0.0%	0.0%	5.5%	1.8%	0.0%	0.0%	0.0%
% < 1000 WUA		9.1%	9.1%	9.1%	5.5%	9.1%	7.3%	7.3%	7.3%	3.6%	3.6%	7.3%	7.3%	5.5%	1.8%	0.0%

Total out of 11* 5 means total out of a maximum of 55 (11 shallow guilds/benthos x 5 sites of this type)

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

% by guild

[illegible]

BUCKHORN CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SPRING**

April - June

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															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1														
	SFMODEVEL	1	1	1		1	1									
	SFHIVEL	0.01	0.01	0.01		0.01	0.01	0.01	0.01			0.01	0.01			
Deep	DSCOV	1	1	1		1										
	DSCOV2	1														
	DSNC	1	1	1		1										
	DDFINE	1	1	1		1	1	1								
	DFGRCOB	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.01	0.01	0.01		
	DFCOARSE	1	1	1		1	1	1								
Other	AMSHJ	1	1	1		1	1									
	ROBRHS															
	GORHA	1	1	1		1										
	GORHJ	1	1	1		1	1									
	AMSS4															
	EPHEM	1	1	1												
	PLECO	1	1	1		1										
	TRIC1	1	1	1		1										
	MACLR															
Total out of 11		5.01	4.01	4.01	0	3.01	1.01	0.01	0.01	0	0	0.01	0.01	0	0	0
total > 1000 WUA		5	4	4	0	3	1	0	0	0	0	0	0	0	0	0
total < 1000 WUA		1	1	1	0	1	1	1	1	0	0	1	1	0	0	0
Total out of 11		6	5	5	0	4	2	1	1	0	0	1	1	0	0	0
% for just this site		54.5%	45.5%	45.5%	0.0%	36.4%	18.2%	9.1%	9.1%	0.0%	0.0%	9.1%	9.1%	0.0%	0.0%	0.0%
% weighted equally for each site		6.1%	5.1%	5.1%	0.0%	4.0%	2.0%	1.0%	1.0%	0.0%	0.0%	1.0%	1.0%	0.0%	0.0%	0.0%
% > 1000 WUA		5.1%	4.0%	4.0%	0.0%	3.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% < 1000 WUA		1.0%	1.0%	1.0%	0.0%	1.0%	1.0%	1.0%	1.0%	0.0%	0.0%	1.0%	1.0%	0.0%	0.0%	0.0%

BUFFALO CREEK

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	---------------

April - June

[illegible]

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

April - June

[illegible]

FIRST BROAD, LOWER

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	---------------

April - June

[illegible]

FIRST BROAD, MIDDLE

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	---------------

April - June

[illegible]

FIRST BROAD, UPPER

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B < 1000, then table shows a "0.01".

Season **SPRING**

April - June

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									
	SSVEG	1				1										
	SSWOOD	1				1	1									
	SSCOARSE	0.01				0.01	0.01	0.01								
	SSFINENC	1	1	1		1	1	1	1	1						
	SFLOWVEL	1	1			1	1	1	1							
	SFMODEVEL	1	1	1		1	1	1	1	1		1				
	SFHIVEL	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01					
Deep	DSCOV	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	
	DSCOV2	1	1	1		1	1	1	1	1	1	1	1			
	DSNC	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	0.01
	DDFINE	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	
	DFGRCOB	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	0.01
	DFCOARSE	1	1	1		1	1	1	1	1	1	1	1	1	1	
Other	AMSS2	1	1	1		1	1	1	1	1						
	ROBRHS															
	GORHA	1	1	1		1	1	1	1	1	1	1				
	GORHJ	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			
	AMSS4															
	EPHEM	1				1	1									
	PLECO	1	1	1		1	1	1	1	1	1	1				
	TRIC1	1				1	1	1								
	MACLR	1				1	1	1								
Total out of 11		9.02	4.01	3.01	0	9.02	8.02	5.02	4.01	3.01	1.01	2	0	0	0	0
total > 1000 WUA		9	4	3	0	9	8	5	4	3	1	2	0	0	0	0
total < 1000 WUA		2	1	1	0	2	2	2	1	1	1	0	0	0	0	0
Total out of 11		11	5	4	0	11	10	7	5	4	2	2	0	0	0	0
% for just this site		100.0%	45.5%	36.4%	0.0%	100.0%	90.9%	63.6%	45.5%	36.4%	18.2%	18.2%	0.0%	0.0%	0.0%	0.0%
% weighted equally for each site		11.1%	5.1%	4.0%	0.0%	11.1%	10.1%	7.1%	5.1%	4.0%	2.0%	2.0%	0.0%	0.0%	0.0%	0.0%
% > 1000 WUA		9.1%	4.0%	3.0%	0.0%	9.1%	8.1%	5.1%	4.0%	3.0%	1.0%	2.0%	0.0%	0.0%	0.0%	0.0%
% < 1000 WUA		2.0%	1.0%	1.0%	0.0%	2.0%	2.0%	2.0%	1.0%	1.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%

ROCKY RIVER

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".
If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	--------

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															
	SSVEG															
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1	1	1		1										
	SFMODEVEL	1	1	1		1	1	1				1				
	SFHIVEL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.01	0.01		
Deep	DSCOV	1	1	1		1	1	1								
	DSCOV2	1	1	1		1										
	DSNC	1	1	1		1	1									
	DFFINE	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01			0.01	0.01			
	DFGRCOB	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	0.01
	DFCOARSE	1	1	1		1	1									
Other	AMSS2	1	1	1	1	1	1	1	1	1		1	1	1	1	
	ROBRHS															
	GORHA	1	1	1		1	1									
	GORHJ	1	1	1		1	1	1								
	AMSS4															
	EPHEM	1	1	1		1										
	PLECO	1	1	1		1	1									
	TRIC1	1	1	1		1										
	MACLR	1														
Total out of 11		5.01	5.01	5.01	0.01	5.01	2.01	1.01	0.01	0	0	1.01	0.01	0.01	0	0
total > 1000 WUA		5	5	5	0	5	2	1	0	0	0	1	0	0	0	0
total < 1000 WUA		1	1	1	1	1	1	1	1	0	0	1	1	1	0	0
Total out of 11		6	6	6	1	6	3	2	1	0	0	2	1	1	0	0
% for just this site		54.5%	54.5%	54.5%	9.1%	54.5%	27.3%	18.2%	9.1%	0.0%	0.0%	18.2%	9.1%	9.1%	0.0%	0.0%
% weighted equally for each site		6.1%	6.1%	6.1%	1.0%	6.1%	3.0%	2.0%	1.0%	0.0%	0.0%	2.0%	1.0%	1.0%	0.0%	0.0%
% > 1000 WUA		5.1%	5.1%	5.1%	0.0%	5.1%	2.0%	1.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%
% < 1000 WUA		1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	0.0%	0.0%	1.0%	1.0%	1.0%	0.0%	0.0%

unregulated Index B
4529
6881
7549
23331
5924
10324
4789
405
2172
8427
9264
759
263
7399
4818
3101
1865
20363
10627
20324
21271

TAR RIVER

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	---------------

April - June

[illegible]

WEST FORK ENO

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B >= 1000, then table shows a "1".

If seasonal Index B value is < 80% of unregulated value, and seasonal unregulated Index B< 1000, then table shows a "0.01".

Season	SPRING
--------	---------------

April - June

[illegible]