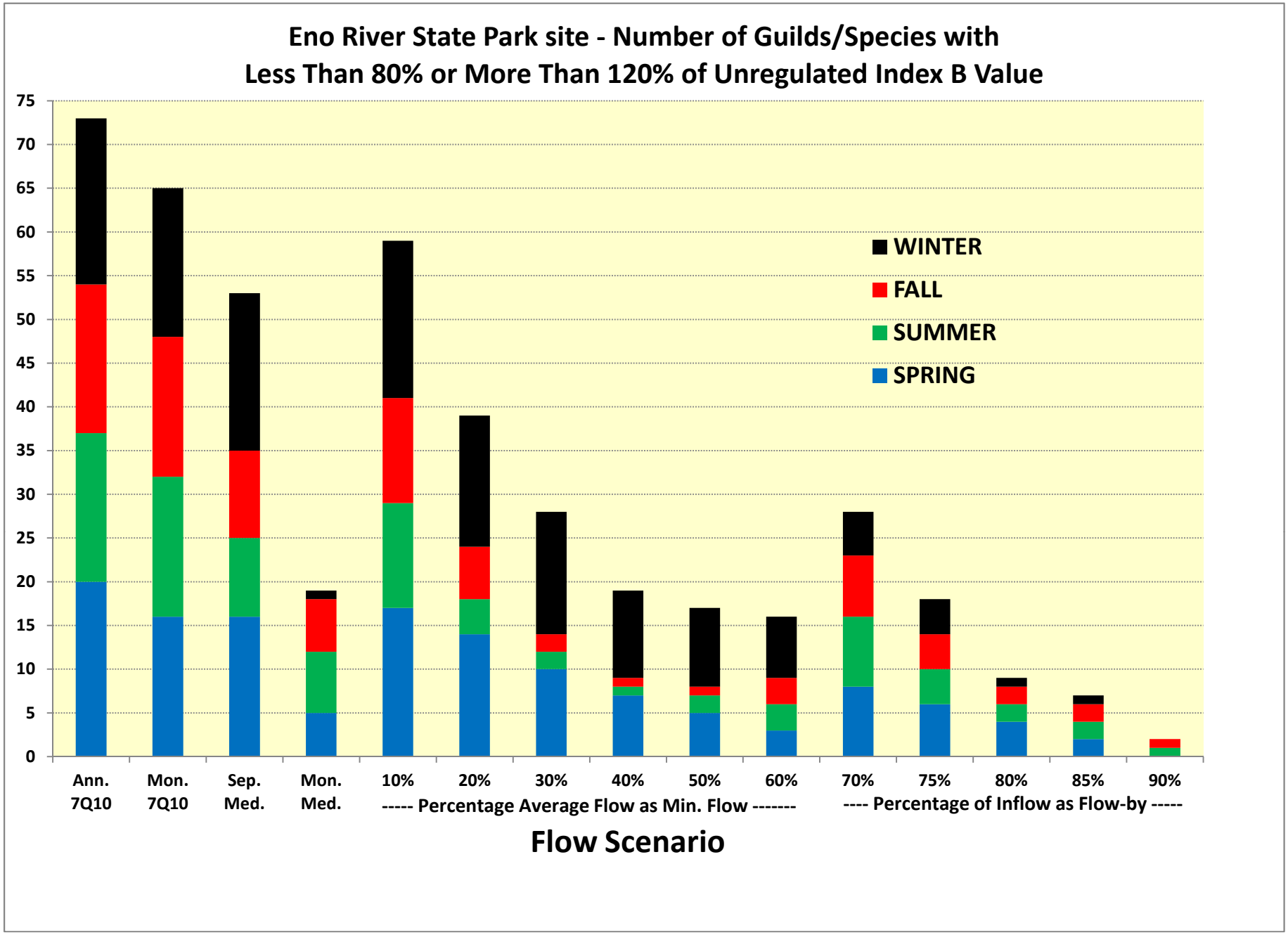
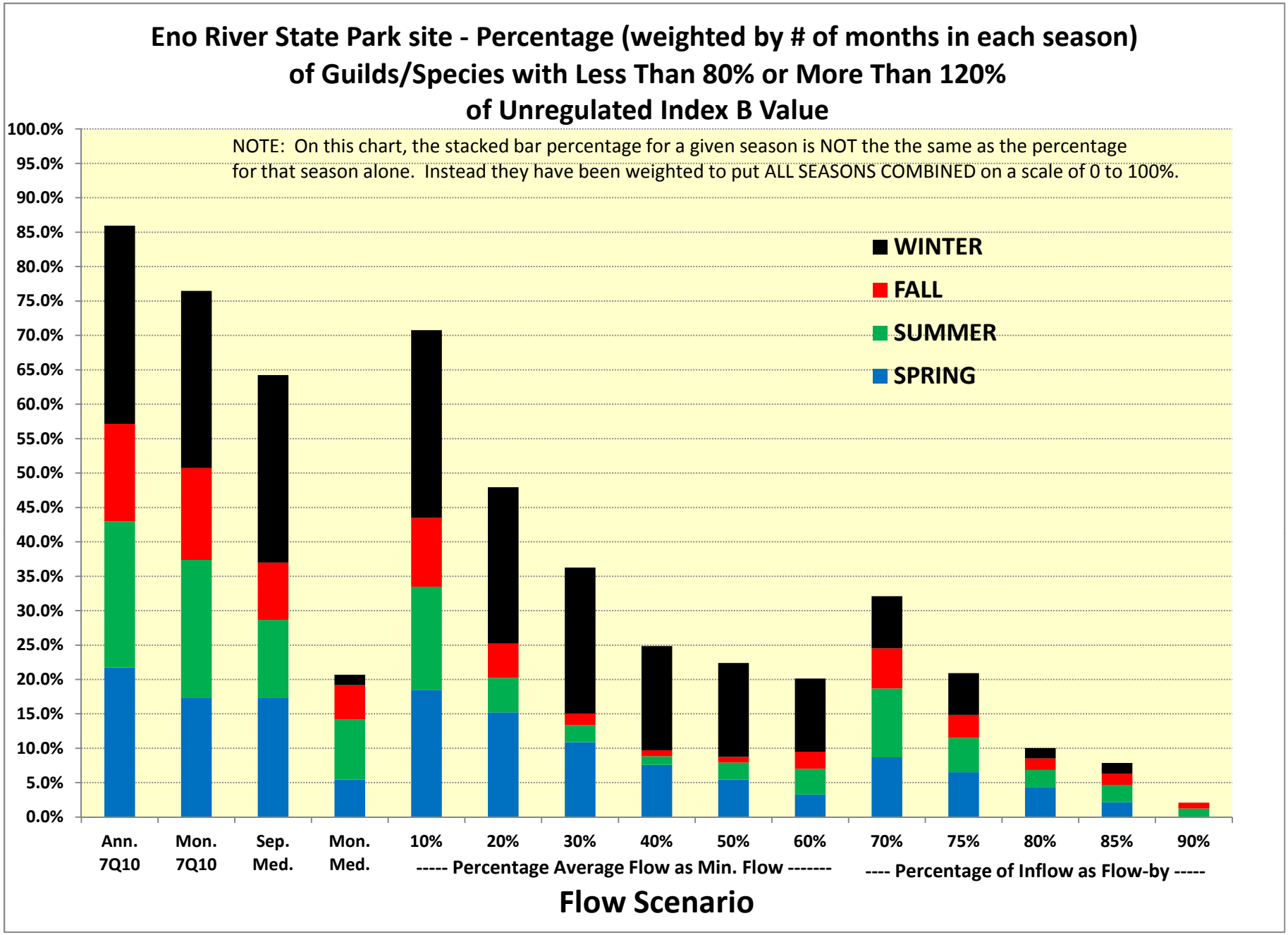

Eno River State Park site - Number of Guilds/Species with
Less Than 80% or More Than 120% of Unregulated Index B Value
75
70
65
60
55
50
45
40
35
30
25
20
15
10
5
0
WINTER
FALL
SUMMER
SPRING
Ann. 7Q10
Mon. 7Q10
Sep. Med.
Mon. Med.
10%
20%
30%
40%
50%
60%
70%
75%
80%
85%
90%
----- Percentage Average Flow as Min. Flow -------
---- Percentage of Inflow as Flow-by -----
Flow Scenario


Eno River State Park site - Percentage (weighted by # of months in each season) of Guilds/Species with Less Than 80% or More Than 120% of Unregulated Index B Value
NOTE: On this chart, the stacked bar percentage for a given season is NOT the the same as the percentage for that season alone. Instead they have been weighted to put ALL SEASONS COMBINED on a scale of 0 to 100%.
WINTER
FALL
SUMMER
SPRING
100.0%
95.0%
90.0%
85.0%
80.0%
75.0%
70.0%
65.0%
60.0%
55.0%
50.0%
45.0%
40.0%
35.0%
30.0%
25.0%
20.0%
15.0%
10.0%
5.0%
0.0%
Ann. 7Q10
Mon. 7Q10
Sep. Med.
Mon. Med.
10%
20%
30%
40%
50%
60%
70%
75%
80%
85%
90%
----- Percentage Average Flow as Min. Flow -------
---- Percentage of Inflow as Flow-by -----
Flow Scenario

abbreviation	organism	based on
SSYOY	shallow slow, young of year guild	bluehead chub YOY
SSVEG	shallow slow, aquatic vegetation cover guild	notch lip (formerly silver) redhorse YOY, veg cover
SSWOOD	shallow slow, woody debris cover guild	notch lip (formerly silver) redhorse YOY, woody cover
SSCOARSE	shallow slow, coarse substrate	generic
SSFINENC	shallow slow, fine substrate, no cover guild	redbreast sunfish spawning
SFLOWVEL	shallow fast lower velocity guild	margined madtom adult
SFMODVEL	shallow fast moderate velocity guild	generic
SFHIVEL	shallow fast higher velocity guild	fantail darter adult
DSCOV	deep slow, cover guild	generic
DSCOV2	deep slow, cover guild version 2	redbreast sunfish adult
DSNC	deep slow, no cover guild	generic
DFFINE	deep fast, fine substrate guild	notch lip (formerly silver) redhorse adult
DFGRCOB	deep fast, gravel/cobble substrate guild	white bass spawning
DFCOARSE	deep fast, coarse substrate guild	shorthead redhorse adult
AMSS2	American shad spawning 2	Stier & Crance 1985
ROBRHS	Robust redhorse spawning	
GORHA	Golden redhorse adult	surrogate for Carolina redhorse
GORHJ	golden redhorse juvenile	surrogate for Carolina redhorse
AMSS4	American shad spawning 4	Hightower et al 2011
EPHEM	Mayfly nymph	
PLECO	stonefly nymph	
TRIC1	caddisfly larvae	
MACLR	macroinvertebrate diversity, large river	

Season	SPRING

April - June

If seasonal Index B value is < 80% of unregulated value, table shows a "1". If index B value is > 120% of unregulated, table shows a ".01".

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

		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
Guild		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				
	SSVEG	1														
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1				1										
	SFMODVEL	1	1	1		1	1	1								
	SFHIVEL	1	1	1	1	1	1	1	1	1	1	1	1	1		
Deep	DSCOV	1	1	1	1	1	1	1	1	1		1	1			
	DSCOV2	1	1	1		1										
	DSNC	1	1	1		1	1									
	DFFINE	1	1	1		1	1	1	1			1	1			
	DFGRCOB	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	DFCOARSE	1	1	1		1	1	1								
Other	AMSS2	1	1	1	1	1	1	1	1	1		1	1	1		
	ROBRHS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	GORHA	1	1	1		1	1									
	GORHJ	1	1	1		1	1	1	1			1				
	AMSS4	1														
	EPHEM	1	1	1		1										
	PLECO	1	1	1		1	1									
	TRIC1	1	1	1		1	1									
	MACLR	1														
Total out of 23		**19.01**	**15.01**	**15.01**	**5**	**16.01**	**13.01**	**9.01**	**7**	**5**	**3**	**7.01**	**6**	**4**	**2**	**0**
total < 80%		**19**	**15**	**15**	**5**	**16**	**13**	**9**	**7**	**5**	**3**	**7**	**6**	**4**	**2**	**0**
total > 120%		**1**	**1**	**1**	**0**	**1**	**1**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**
Total out of 23		**20**	**16**	**16**	**5**	**17**	**14**	**10**	**7**	**5**	**3**	**8**	**6**	**4**	**2**	**0**
% for just this season		**87.0%**	**69.6%**	**69.6%**	**21.7%**	**73.9%**	**60.9%**	**43.5%**	**30.4%**	**21.7%**	**13.0%**	**34.8%**	**26.1%**	**17.4%**	**8.7%**	**0.0%**
% weighted by # of months in season		**21.7%**	**17.4%**	**17.4%**	**5.4%**	**18.5%**	**15.2%**	**10.9%**	**7.6%**	**5.4%**	**3.3%**	**8.7%**	**6.5%**	**4.3%**	**2.2%**	**0.0%**

If seasonal Index B value is < 80% of unregulated value, table shows a "1". If index B value is > 120% of unregulated, table shows a ".01".

Season	SUMMER

July - September

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

		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
Guild		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										
	SSVEG	1														
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1	1													
	SFMODVEL	1	1	1	1	1						1				
	SFHIVEL	1	1	1	1	1	1	1		0.01	0.01	1	1	1	1	
Deep	DSCOV	1	1	1	1	1	1				0.01	1	1			
	DSCOV2	1	1													
	DSNC	1	1	1		1						1				
	DFFINE	1	1	1	1	1	1					1	1			
	DFGRCOB	1	1	1	1	1	1	1	1	0.01	0.01	1	1	1	1	1
	DFCOARSE	1	1	1		1										
Other	AMSS2	1	1	1	1	1	1	1		0.01	0.01	1	1	1	1	
	ROBRHS	1	1	1	1	1	1	1		0.01	0.01	1	1	1	1	1
	GORHA	1	1			1										
	GORHJ	1	1	1	1	1						1				
	AMSS4	1														
	EPHEM	1	1													
	PLECO	1	1	1	1	1						1				
	TRIC1	1	1			1										
	MACLR	1	1													
Total out of 20		**16.01**	**15.01**	**9**	**7**	**11.01**	**4**	**2**	**1**	**0.02**	**0.03**	**8**	**4**	**2**	**2**	**1**
total < 80%		**16**	**15**	**9**	**7**	**11**	**4**	**2**	**1**	**0**	**0**	**8**	**4**	**2**	**2**	**1**
total > 120%		**1**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**0**	**0**	**0**
Total out of 20		**17**	**16**	**9**	**7**	**12**	**4**	**2**	**1**	**2**	**3**	**8**	**4**	**2**	**2**	**1**
% for just this season		**85.0%**	**80.0%**	**45.0%**	**35.0%**	**60.0%**	**20.0%**	**10.0%**	**5.0%**	**10.0%**	**15.0%**	**40.0%**	**20.0%**	**10.0%**	**10.0%**	**5.0%**
% weighted by # of months in season		**21.2%**	**20.0%**	**11.3%**	**8.8%**	**15.0%**	**5.0%**	**2.5%**	**1.3%**	**2.5%**	**3.8%**	**10.0%**	**5.0%**	**2.5%**	**2.5%**	**1.3%**

If seasonal Index B value is < 80% of unregulated value, table shows a "1". If index B value is > 120% of unregulated, table shows a ".01".

Season	FALL

October & November

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

		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
Guild		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										
	SSVEG	1														
	SSWOOD															
	SSCOARSE															
	SSFINENC															
	SFLOWVEL	1	1													
	SFMODVEL	1	1	1	1	1	1					1				
	SFHIVEL	1	1	1	1	1	1	1			0.01	1	1	1	1	
Deep	DSCOV	1	1	1	1	1	1				0.01	1	1			
	DSCOV2	1	1													
	DSNC	1	1	1		1										
	DFFINE	1	1	1	1	1	1					1	1			
	DFGRCOB	1	1	1	1	1	1	1	1	0.01	0.01	1	1	1	1	1
	DFCOARSE	1	1	1		1										
Other	AMSS2	1	1	1	1	1	1	1			0.01	1	1	1	1	
	ROBRHS	1	1	1	1	1	1	1		0.01	0.01	1	1	1	1	1
	GORHA	1	1			1										
	GORHJ	1	1	1	1	1	1					1				
	AMSS4	1	1													
	EPHEM	1	1													
	PLECO	1	1	1		1						1				
	TRIC1	1	1			1										
	MACLR	1	1													
Total out of 20		**16.01**	**15.01**	**9.01**	**6**	**11.01**	**6**	**2**	**1**	**0.01**	**0.03**	**7**	**4**	**2**	**2**	**1**
total < 80%		**16**	**15**	**9**	**6**	**11**	**6**	**2**	**1**	**0**	**0**	**7**	**4**	**2**	**2**	**1**
total > 120%		**1**	**1**	**1**	**0**	**1**	**0**	**0**	**0**	**1**	**3**	**0**	**0**	**0**	**0**	**0**
Total out of 20		**17**	**16**	**10**	**6**	**12**	**6**	**2**	**1**	**1**	**3**	**7**	**4**	**2**	**2**	**1**
% for just this season		**85.0%**	**80.0%**	**50.0%**	**30.0%**	**60.0%**	**30.0%**	**10.0%**	**5.0%**	**5.0%**	**15.0%**	**35.0%**	**20.0%**	**10.0%**	**10.0%**	**5.0%**
% weighted by # of months in season		**14.2%**	**13.3%**	**8.3%**	**5.0%**	**10.0%**	**5.0%**	**1.7%**	**0.8%**	**0.8%**	**2.5%**	**5.8%**	**3.3%**	**1.7%**	**1.7%**	**0.8%**

If seasonal Index B value is < 80% of unregulated value, table shows a "1". If index B value is > 120% of unregulated, table shows a ".01".

Season	WINTER

December - March

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

		Traditional Minimum Flow				Percent Mean Annual Flow						Percent Flow-by				
Guild		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								
	SSVEG	1														
	SSWOOD		0.01	0.01		0.01	0.01	0.01								
	SSCOARSE		0.01	0.01		0.01	0.01	0.01	0.01	0.01						
	SSFINENC															
	SFLOWVEL	1							0.01	0.01						
	SFMODVEL	1	1	1		1	1	1	1							
	SFHIVEL	1	1	1		1	1	1	1	1	1	1	1			
Deep	DSCOV	1	1	1		1	1	1	1	1	1	1	1			
	DSCOV2	1	1	1		1										
	DSNC	1	1	1		1	1	1								
	DFFINE	1	1	1		1	1	1	1	1	1	1				
	DFGRCOB	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	DFCOARSE	1	1	1		1	1	1	1	1	1					
Other	AMSS2	1	1	1		1	1	1	1	1	1	1	1			
	ROBRHS	1	1	1	1	1	1	1	1	1	1	1	1	1		
	GORHA	1	1	1		1	1	1								
	GORHJ	1	1	1		1	1	1	1	1	1					
	AMSS4	1		1		1										
	EPHEM	1	1	1		1										
	PLECO	1	1	1		1	1	1								
	TRIC1	1	1	1		1	1									
	MACLR	1														
Total out of 22		**18.01**	**14.03**	**15.03**	**1**	**15.03**	**12.03**	**11.03**	**8.02**	**7.02**	**7**	**5**	**4**	**1**	**1**	**0**
total < 80%		**18**	**14**	**15**	**1**	**15**	**12**	**11**	**8**	**7**	**7**	**5**	**4**	**1**	**1**	**0**
total > 120%		**1**	**3**	**3**	**0**	**3**	**3**	**3**	**2**	**2**	**0**	**0**	**0**	**0**	**0**	**0**
Total out of 22		**19**	**17**	**18**	**1**	**18**	**15**	**14**	**10**	**9**	**7**	**5**	**4**	**1**	**1**	**0**
% for just this season		**86.4%**	**77.3%**	**81.8%**	**4.5%**	**81.8%**	**68.2%**	**63.6%**	**45.5%**	**40.9%**	**31.8%**	**22.7%**	**18.2%**	**4.5%**	**4.5%**	**0.0%**
% weighted by # of months in season		**28.8%**	**25.8%**	**27.3%**	**1.5%**	**27.3%**	**22.7%**	**21.2%**	**15.2%**	**13.6%**	**10.6%**	**7.6%**	**6.1%**	**1.5%**	**1.5%**	**0.0%**

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	297.3%	188.6%	192.9%	104.8%	218.0%	159.8%	123.7%	106.2%	101.9%	97.8%	120.2%	115.9%	112.1%	108.6%	105.4%
	SSVEG	74.1%	102.8%	103.0%	103.6%	100.1%	106.4%	107.3%	106.2%	104.9%	103.2%	102.4%	102.2%	101.8%	101.4%	100.9%
	SSWOOD	98.5%	114.5%	116.0%	104.2%	116.0%	114.7%	111.0%	107.6%	105.2%	102.9%	106.0%	105.0%	104.0%	103.0%	101.9%
	SSCOARSE	92.9%	118.7%	119.8%	106.5%	119.4%	119.4%	115.2%	109.8%	106.9%	104.9%	108.3%	107.0%	105.6%	104.2%	102.8%
	SSFINENC	82.9%	104.5%	104.1%	103.9%	101.5%	108.3%	109.6%	108.1%	105.7%	103.0%	103.1%	102.7%	102.2%	101.7%	101.2%
	SFLOWVEL	15.5%	86.6%	86.0%	107.9%	74.8%	99.7%	107.9%	110.5%	110.0%	108.3%	99.3%	99.8%	100.1%	100.2%	100.2%
	SFMODVEL	5.1%	43.3%	38.5%	94.1%	30.8%	52.6%	71.0%	84.8%	94.0%	99.9%	82.8%	86.1%	89.3%	92.2%	95.0%
	SFHIVEL	1.3%	11.4%	9.4%	71.0%	7.7%	13.3%	23.2%	39.1%	59.7%	78.5%	60.9%	67.4%	73.8%	80.5%	87.3%
Deep	DSCOV	2.7%	33.2%	31.8%	75.4%	21.6%	34.5%	46.8%	71.3%	76.2%	86.0%	74.0%	78.6%	82.8%	86.9%	91.4%
	DSCOV2	39.8%	77.1%	74.9%	101.2%	67.9%	84.7%	94.1%	99.0%	101.6%	103.3%	94.5%	95.8%	96.8%	97.7%	98.6%
	DSNC	20.7%	52.2%	44.6%	97.1%	34.6%	65.0%	82.5%	90.2%	98.1%	101.0%	86.5%	89.2%	91.8%	94.1%	96.2%
	DFFINE	1.2%	33.1%	27.9%	84.4%	19.0%	43.8%	60.7%	72.4%	81.1%	88.6%	75.6%	79.8%	84.0%	88.2%	92.3%
	DFGRCOB	0.0%	0.5%	0.0%	49.7%	0.0%	0.0%	5.3%	19.0%	35.3%	52.1%	44.9%	52.9%	61.5%	70.6%	80.5%
	DFCOARSE	21.7%	54.3%	51.5%	89.6%	45.3%	61.1%	72.8%	81.2%	87.4%	92.5%	83.4%	86.3%	89.2%	92.0%	94.8%
Other	AMSS2	0.0%	15.5%	10.3%	77.6%	5.8%	21.0%	38.9%	56.3%	71.8%	84.2%	66.3%	72.1%	77.8%	83.6%	89.3%
	ROBRHS	0.0%	2.8%	0.0%	66.4%	0.0%	0.0%	13.1%	38.3%	57.0%	79.4%	55.1%	61.7%	69.2%	76.6%	84.1%
	GORHA	22.0%	62.9%	60.3%	94.5%	53.0%	71.2%	82.3%	89.2%	93.9%	97.2%	88.7%	90.8%	92.9%	94.8%	96.7%
	GORHJ	8.9%	41.0%	36.9%	86.7%	29.9%	48.8%	63.9%	75.3%	83.8%	90.6%	78.4%	82.2%	86.0%	89.6%	93.3%
	AMSS4	64.6%	85.5%	84.5%	97.7%	81.4%	89.1%	93.1%	95.6%	97.4%	98.7%	95.6%	96.4%	97.2%	97.9%	98.7%
	EPHEM	39.3%	77.1%	74.7%	101.5%	68.0%	85.0%	94.8%	100.0%	102.3%	103.4%	94.7%	95.9%	96.9%	97.9%	98.6%
	PLECO	3.0%	48.9%	42.7%	99.6%	31.8%	62.1%	83.2%	94.9%	100.8%	104.0%	86.9%	89.7%	92.2%	94.5%	96.4%
	TRIC1	32.7%	69.9%	67.0%	97.9%	60.2%	78.0%	89.0%	95.1%	98.3%	100.2%	92.1%	93.7%	95.2%	96.6%	97.8%
	MACLR	64.1%	89.4%	88.6%	101.1%	85.3%	93.3%	97.5%	100.1%	101.5%	102.2%	97.6%	98.1%	98.6%	99.0%	99.4%
AVERAGE		43.0%	65.8%	63.7%	92.0%	59.7%	70.1%	77.7%	84.8%	90.2%	94.9%	86.9%	89.1%	91.3%	93.6%	95.8%
MEDIAN		21.7%	62.9%	60.3%	97.7%	53.0%	71.2%	83.2%	94.9%	98.1%	99.9%	88.7%	90.8%	92.9%	94.8%	96.7%
MINIMUM		0.0%	0.5%	0.0%	49.7%	0.0%	0.0%	5.3%	19.0%	35.3%	52.1%	44.9%	52.9%	61.5%	70.6%	80.5%
MAXIMUM		297.3%	188.6%	192.9%	107.9%	218.0%	159.8%	123.7%	110.5%	110.0%	108.3%	120.2%	115.9%	112.1%	108.6%	105.4%

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	170.0%	169.7%	119.0%	111.9%	129.1%	108.2%	98.6%	94.6%	93.7%	92.8%	115.6%	112.7%	109.8%	107.2%	104.7%
	SSVEG	74.3%	84.1%	101.2%	102.6%	99.1%	103.2%	103.4%	102.8%	102.3%	101.6%	98.1%	98.5%	98.9%	99.3%	99.5%
	SSWOOD	89.1%	96.0%	104.5%	104.0%	104.5%	103.7%	102.0%	100.5%	99.5%	98.6%	100.6%	100.6%	100.6%	100.5%	100.3%
	SSCOARSE	81.7%	94.7%	104.9%	104.8%	104.6%	104.6%	102.7%	100.4%	99.3%	98.6%	100.6%	100.6%	100.6%	100.5%	100.3%
	SSFINENC	81.8%	89.3%	101.0%	102.5%	99.1%	103.3%	103.7%	102.9%	102.0%	101.0%	98.6%	98.9%	99.2%	99.5%	99.7%
	SFLOWVEL	18.6%	39.0%	94.6%	101.0%	85.2%	104.1%	108.7%	110.0%	108.2%	106.2%	89.9%	92.1%	94.0%	95.7%	97.3%
	SFMODVEL	9.6%	21.4%	64.8%	74.9%	54.6%	80.0%	96.2%	106.5%	113.0%	117.1%	77.7%	81.7%	85.5%	89.3%	93.0%
	SFHIVEL	5.3%	12.4%	34.5%	40.7%	30.1%	44.2%	62.8%	88.5%	120.4%	148.7%	56.6%	62.8%	69.9%	77.0%	84.1%
Deep	DSCOV	7.4%	7.4%	67.2%	69.4%	49.3%	70.8%	85.8%	110.8%	115.4%	124.6%	72.2%	77.0%	81.7%	86.3%	91.0%
	DSCOV2	49.9%	62.7%	89.2%	93.9%	83.0%	96.3%	101.8%	104.3%	105.5%	106.3%	91.6%	93.2%	94.7%	96.1%	97.5%
	DSNC	34.7%	41.0%	67.8%	80.7%	56.0%	87.3%	101.1%	106.3%	111.2%	113.0%	79.4%	85.2%	88.3%	91.4%	94.4%
	DFFINE	2.8%	9.4%	54.8%	69.2%	40.5%	76.3%	94.8%	105.6%	113.3%	119.6%	71.9%	76.8%	81.5%	86.3%	91.0%
	DFGRCOB	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	22.5%	72.5%	130.0%	187.5%	32.5%	40.0%	50.0%	60.0%	72.5%
	DFCOARSE	35.7%	49.7%	79.1%	85.2%	72.0%	88.2%	97.2%	102.7%	106.5%	109.6%	85.9%	88.3%	90.7%	93.1%	95.5%
Other	AMSS2	0.1%	1.1%	28.5%	32.5%	17.5%	49.8%	78.5%	102.4%	122.6%	138.1%	58.5%	65.1%	71.7%	78.4%	85.8%
	ROBRHS	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.9%	94.4%	181.3%	181.3%	38.9%	50.0%	66.6%	88.7%	77.8%
	GORHA	32.2%	48.1%	82.3%	88.5%	74.8%	91.5%	99.1%	103.1%	105.7%	107.5%	87.4%	89.7%	91.9%	94.0%	96.1%
	GORHJ	17.8%	30.8%	66.8%	75.9%	57.0%	80.5%	94.6%	103.8%	110.3%	115.1%	78.9%	82.4%	85.9%	89.5%	93.0%
	AMSS4	77.4%	81.5%	94.6%	96.6%	92.1%	97.6%	99.3%	100.9%	101.7%	102.2%	95.9%	96.7%	97.4%	98.1%	98.8%
	EPHEM	49.3%	60.4%	89.0%	94.0%	83.1%	96.5%	102.3%	104.9%	105.9%	106.5%	91.4%	93.1%	94.7%	96.1%	97.5%
	PLECO	5.3%	15.5%	65.0%	78.1%	51.6%	84.7%	102.0%	110.3%	114.1%	116.1%	77.6%	81.8%	85.7%	89.5%	93.2%
	TRIC1	43.9%	55.6%	84.8%	90.5%	78.4%	93.3%	100.3%	103.5%	105.1%	106.0%	89.5%	91.4%	93.3%	95.1%	96.8%
	MACLR	71.0%	79.8%	95.9%	97.9%	93.3%	98.9%	101.1%	102.2%	102.8%	103.1%	96.1%	96.9%	97.6%	98.3%	98.9%
AVERAGE		41.5%	50.0%	73.5%	78.5%	67.6%	81.0%	91.2%	101.5%	109.6%	117.5%	82.0%	85.0%	87.8%	90.8%	93.9%
MEDIAN		34.7%	48.1%	82.3%	88.5%	74.8%	91.5%	99.8%	102.9%	106.5%	107.5%	87.4%	89.7%	91.9%	94.0%	96.1%
MINIMUM		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	22.5%	72.5%	93.7%	92.8%	32.5%	40.0%	50.0%	60.0%	72.5%
MAXIMUM		170.0%	169.7%	119.0%	111.9%	129.1%	108.2%	108.7%	110.8%	133.3%	187.5%	115.6%	112.7%	109.8%	107.2%	104.7%

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	174.6%	176.1%	122.0%	111.2%	132.7%	110.2%	99.3%	94.6%	93.6%	92.7%	115.5%	112.3%	109.7%	106.8%	104.3%
	SSVEG	74.4%	81.2%	101.4%	103.2%	99.3%	103.5%	103.7%	103.1%	102.5%	101.9%	98.4%	98.9%	99.2%	99.4%	99.6%
	SSWOOD	89.9%	94.7%	105.3%	104.4%	105.4%	104.6%	102.6%	101.0%	99.9%	98.8%	100.9%	100.9%	100.7%	100.6%	100.4%
	SSCOARSE	82.7%	92.4%	106.1%	105.7%	105.9%	105.9%	103.7%	101.2%	99.9%	99.1%	101.2%	101.1%	100.9%	100.7%	100.5%
	SSFINENC	81.8%	87.4%	101.1%	103.1%	99.2%	103.6%	104.0%	103.2%	102.2%	101.2%	98.9%	99.2%	99.5%	99.6%	99.8%
	SFLOWVEL	18.3%	31.7%	93.4%	101.9%	83.9%	103.3%	108.4%	109.7%	107.2%	106.1%	90.7%	92.8%	94.6%	96.1%	97.5%
	SFMODVEL	9.1%	16.5%	61.7%	76.6%	51.8%	77.0%	93.9%	105.0%	111.5%	115.5%	77.4%	81.4%	85.3%	89.2%	92.9%
	SFHIVEL	4.9%	8.9%	32.5%	42.3%	27.6%	41.5%	60.2%	87.0%	117.9%	144.7%	55.3%	61.8%	68.3%	76.4%	84.6%
Deep	DSCOV	6.9%	6.9%	63.5%	71.9%	46.3%	67.2%	82.9%	109.7%	114.1%	122.9%	71.3%	75.9%	81.1%	86.4%	91.3%
	DSCOV2	49.0%	58.2%	87.6%	94.6%	81.5%	95.1%	101.0%	103.8%	105.1%	105.8%	91.7%	93.3%	94.8%	96.2%	97.5%
	DSNC	33.1%	37.4%	65.0%	82.8%	53.4%	84.8%	99.4%	104.9%	110.0%	111.7%	80.7%	83.8%	86.5%	89.0%	94.4%
	DFFINE	2.7%	6.6%	52.2%	72.4%	38.2%	73.6%	92.8%	104.4%	112.0%	118.0%	72.5%	77.1%	82.0%	86.8%	91.5%
	DFGRCOB	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	22.2%	73.3%	126.7%	177.8%	31.1%	40.0%	48.9%	62.2%	75.6%
	DFCOARSE	34.7%	44.8%	77.0%	86.3%	69.9%	86.5%	96.1%	102.2%	106.1%	109.1%	85.8%	88.2%	90.7%	93.2%	95.6%
Other	AMSS2	0.1%	0.1%	36.7%	47.5%	15.8%	46.8%	75.6%	100.3%	119.7%	134.1%	51.5%	61.5%	71.8%	78.1%	86.7%
	ROBRHS	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	33.7%	90.5%	128.8%	171.9%	38.1%	47.8%	57.1%	64.7%	75.2%
	GORHA	31.4%	42.5%	80.5%	89.5%	73.0%	90.0%	98.2%	102.7%	105.4%	107.0%	87.5%	89.7%	91.9%	94.2%	96.2%
	GORHJ	17.1%	26.1%	64.3%	78.0%	54.5%	78.0%	93.0%	103.1%	109.6%	114.2%	78.8%	82.4%	86.0%	89.7%	93.3%
	AMSS4	73.8%	78.8%	94.0%	96.0%	91.5%	97.2%	99.5%	100.3%	101.6%	102.2%	95.9%	96.7%	97.4%	98.1%	98.8%
	EPHEM	48.3%	55.9%	87.3%	94.6%	81.4%	95.1%	101.3%	104.2%	105.4%	105.9%	91.4%	93.1%	94.7%	96.1%	97.4%
	PLECO	5.0%	11.3%	61.9%	80.6%	48.8%	81.5%	99.7%	108.5%	112.4%	114.3%	78.0%	82.1%	86.1%	89.8%	93.3%
	TRIC1	43.0%	51.1%	83.2%	91.4%	76.7%	91.9%	99.4%	103.1%	104.7%	105.6%	89.5%	91.5%	93.4%	95.2%	96.9%
	MACLR	70.5%	76.6%	95.2%	98.1%	92.5%	98.4%	100.8%	102.0%	102.7%	102.9%	96.2%	96.9%	97.6%	98.3%	98.9%
AVERAGE		41.3%	47.2%	72.2%	80.2%	66.5%	79.8%	90.1%	100.8%	108.6%	115.8%	82.0%	84.9%	87.7%	90.9%	94.0%
MEDIAN		33.1%	42.5%	80.5%	89.5%	73.0%	90.0%	99.4%	103.1%	106.1%	107.0%	87.5%	89.7%	91.9%	94.2%	96.2%
MINIMUM		0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	22.2%	73.3%	93.6%	92.7%	31.1%	40.0%	48.9%	62.2%	75.6%
MAXIMUM		174.6%	176.1%	122.0%	111.2%	132.7%	110.2%	108.4%	109.7%	128.6%	177.8%	115.5%	112.3%	109.7%	106.8%	104.3%

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	350.7%	212.9%	227.5%	101.4%	257.1%	188.0%	140.7%	115.5%	108.5%	101.6%	115.5%	112.0%	109.1%	106.3%	104.0%
	SSVEG	79.9%	110.7%	111.0%	105.2%	107.8%	114.7%	115.7%	114.3%	112.4%	109.9%	105.3%	104.4%	103.6%	102.7%	101.8%
	SSWOOD	109.4%	125.9%	128.8%	105.6%	128.8%	127.3%	122.8%	118.1%	114.5%	110.8%	108.5%	106.9%	105.5%	104.1%	102.7%
	SSCOARSE	109.5%	138.4%	141.3%	110.7%	140.8%	140.7%	135.3%	127.4%	122.7%	119.3%	113.5%	111.1%	108.8%	106.5%	104.3%
	SSFINENC	89.7%	113.2%	112.6%	104.4%	109.7%	117.1%	118.6%	116.7%	113.3%	109.2%	105.7%	104.7%	103.8%	102.8%	101.9%
	SFLOWVEL	16.9%	96.0%	93.6%	112.1%	81.4%	108.6%	118.4%	121.9%	121.4%	118.8%	104.8%	104.2%	103.5%	102.7%	101.9%
	SFMODVEL	4.4%	41.1%	33.1%	101.0%	26.5%	45.2%	62.8%	77.5%	88.1%	95.6%	88.3%	90.7%	93.0%	95.0%	96.9%
	SFHIVEL	0.8%	8.5%	5.8%	82.7%	4.7%	8.1%	14.8%	26.9%	44.2%	61.1%	69.9%	75.4%	80.6%	85.7%	90.7%
Deep	DSCOV	1.8%	21.4%	21.2%	95.4%	14.4%	23.2%	32.6%	54.1%	58.9%	69.0%	74.5%	78.7%	82.7%	86.4%	92.9%
	DSCOV2	38.9%	77.3%	73.2%	105.2%	66.4%	82.9%	93.1%	99.0%	102.5%	104.8%	97.6%	98.2%	98.8%	99.2%	99.5%
	DSNC	18.6%	51.4%	40.1%	102.4%	31.1%	58.6%	75.8%	84.5%	94.0%	97.9%	91.2%	93.1%	94.9%	96.4%	97.8%
	DFFINE	0.9%	27.2%	20.2%	85.5%	13.8%	31.9%	45.5%	56.0%	64.6%	72.5%	78.4%	82.4%	86.0%	89.8%	93.2%
	DFGRCOB	0.0%	0.9%	0.0%	63.8%	0.0%	0.0%	2.9%	11.0%	21.5%	33.1%	55.5%	62.7%	69.7%	77.3%	84.7%
	DFCOARSE	17.3%	45.1%	40.9%	89.2%	36.0%	48.6%	58.9%	67.2%	73.8%	79.8%	83.8%	86.7%	89.5%	92.3%	94.9%
Other	AMSS2	0.0%	11.1%	6.8%	84.1%	1.5%	10.4%	27.0%	41.3%	55.1%	67.0%	77.4%	78.8%	82.8%	87.4%	91.7%
	ROBRHS	0.0%	3.6%	0.0%	74.4%	0.0%	0.0%	8.4%	27.1%	41.9%	58.6%	69.5%	70.6%	75.5%	82.3%	88.2%
	GORHA	19.4%	57.6%	53.1%	95.7%	46.7%	62.7%	73.5%	81.0%	86.6%	90.9%	90.4%	92.3%	94.0%	95.7%	97.2%
	GORHJ	6.7%	33.6%	27.8%	87.7%	22.5%	36.8%	49.5%	60.1%	68.8%	76.2%	80.5%	84.1%	87.4%	90.8%	93.9%
	AMSS4	51.1%	81.5%	78.5%	97.5%	77.8%	84.3%	88.5%	91.5%	93.7%	95.6%	95.7%	96.5%	97.3%	98.0%	98.7%
	EPHEM	38.6%	77.9%	73.4%	105.2%	66.8%	83.7%	94.3%	100.5%	103.6%	105.2%	97.9%	98.5%	99.0%	99.3%	99.6%
	PLECO	2.8%	50.0%	39.4%	106.4%	29.4%	57.5%	79.1%	92.5%	99.8%	104.1%	93.0%	94.7%	96.2%	97.4%	98.4%
	TRIC1	30.7%	67.9%	62.9%	100.5%	56.5%	73.2%	84.7%	91.8%	95.8%	98.4%	94.8%	95.9%	96.9%	97.8%	98.6%
	MACLR	63.8%	89.8%	88.2%	103.4%	84.9%	92.9%	97.6%	100.7%	102.6%	103.6%	99.2%	99.4%	99.6%	99.8%	99.9%
AVERAGE		46.2%	67.2%	64.4%	96.6%	61.1%	69.6%	75.7%	81.6%	86.5%	90.6%	90.5%	92.2%	93.9%	95.5%	97.1%
MEDIAN		18.6%	57.6%	53.1%	101.0%	46.7%	62.7%	79.1%	91.5%	94.0%	97.9%	93.0%	94.7%	96.2%	97.4%	98.4%
MINIMUM		0.0%	0.9%	0.0%	63.8%	0.0%	0.0%	2.9%	11.0%	21.5%	33.1%	55.5%	62.7%	69.7%	77.3%	84.7%
MAXIMUM		350.7%	212.9%	227.5%	112.1%	257.1%	188.0%	140.7%	127.4%	122.7%	119.3%	115.5%	112.0%	109.1%	106.5%	104.3%

guild	season	natural index B	Fall	Spring	Summer	Winter	
SSYOY	FAL	9519	9519				
SSYOY	SPG	5591		5591			
SSYOY	SUM	9780			9780		
SSYOY	WIN	4740				4740	
SSVEG	FAL	12631	12631				
SSVEG	SPG	12676		12676			
SSVEG	SUM	12652			12652		
SSVEG	WIN	11764				11764	
SSWOOD	FAL	9371	9371				
SSWOOD	SPG	8554		8554			
SSWOOD	SUM	9454			9454		
SSWOOD	WIN	7701				7701	
SSCOARSE	FAL	41356	41356				
SSCOARSE	SPG	36825		36825			
SSCOARSE	SUM	41877			41877		
SSCOARSE	WIN	31239				31239	
SSFINENC	FAL	4226	4226				
SSFINENC	SPG	4169		4169			
SSFINENC	SUM	4229			4229		
SSFINENC	WIN	3856				3856	
SFLOWVEL	FAL	16410	16410				
SFLOWVEL	SPG	19309		19309			
SFLOWVEL	SUM	16164			16164		
SFLOWVEL	WIN	17744				17744	
SFMODVEL	FAL	4707	4707				
SFMODVEL	SPG	8404		8404			
SFMODVEL	SUM	4459			4459		
SFMODVEL	WIN	9791				9791	
SFHIVEL	FAL	123	123				
SFHIVEL	SPG	466		466			
SFHIVEL	SUM	113			113		
SFHIVEL	WIN	761				761	
DSCOV	FAL	1056	1056				
DSCOV	SPG	2684		2684			
DSCOV	SUM	993			993		
DSCOV	WIN	4028				4028	
DSCOV2	FAL	11814	11814				
DSCOV2	SPG	14531		14531			
DSCOV2	SUM	11583			11583		
DSCOV2	WIN	14859				14859	
DSNC	FAL	6511	6511				
DSNC	SPG	10408		10408			
DSNC	SUM	6209			6209		
DSNC	WIN	11578				11578	
DFFINE	FAL	866	866				
DFFINE	SPG	1903		1903			
DFFINE	SUM	815			815		
DFFINE	WIN	2621				2621	
DFGRCOB	FAL	45	45				
DFGRCOB	SPG	374		374			
DFGRCOB	SUM	40			40		
DFGRCOB	WIN	875				875	
DFCOARSE	FAL	6942	6942				
DFCOARSE	SPG	11082		11082			
DFCOARSE	SUM	6740			6740		
DFCOARSE	WIN	13952				13952	
AMSS2	FAL	3932	3932				
AMSS2	SPG	12375		12375			
AMSS2	SUM	3572			3572		
AMSS2	WIN	18787				18787	
ROBRHS	FAL	21	21				
ROBRHS	SPG	107		107			
ROBRHS	SUM	18			18		
ROBRHS	WIN	203				203	
GORHA	FAL	894	894				
GORHA	SPG	1275		1275			
GORHA	SUM	872			872		
GORHA	WIN	1449				1449	
GORHJ	FAL	387	387				
GORHJ	SPG	742		742			
GORHJ	SUM	370			370		
GORHJ	WIN	986				986	
AMSS4	FAL	32870	32870				
AMSS4	SPG	37284		37284			
AMSS4	SUM	32634			32634		
AMSS4	WIN	39404				39404	
EPHEM	FAL	30432	30432				
EPHEM	SPG	37403		37403			
EPHEM	SUM	29798			29798		
EPHEM	WIN	38064				38064	
PLECO	FAL	14229	14229				
PLECO	SPG	23605		23605			
PLECO	SUM	13441			13441		
PLECO	WIN	25560				25560	
TRIC1	FAL	29017	29017				
TRIC1	SPG	38069		38069			
TRIC1	SUM	28374			28374		
TRIC1	WIN	40581				40581	
MACLR	FAL	29891	29891				
MACLR	SPG	32847		32847			
MACLR	SUM	29650			29650		
MACLR	WIN	32996				32996	
			21	107	18	203	= MINIMUM UNREGULATED INDEX B FOR ALL GUILDS
			Fall	Spring	Summer	Winter	