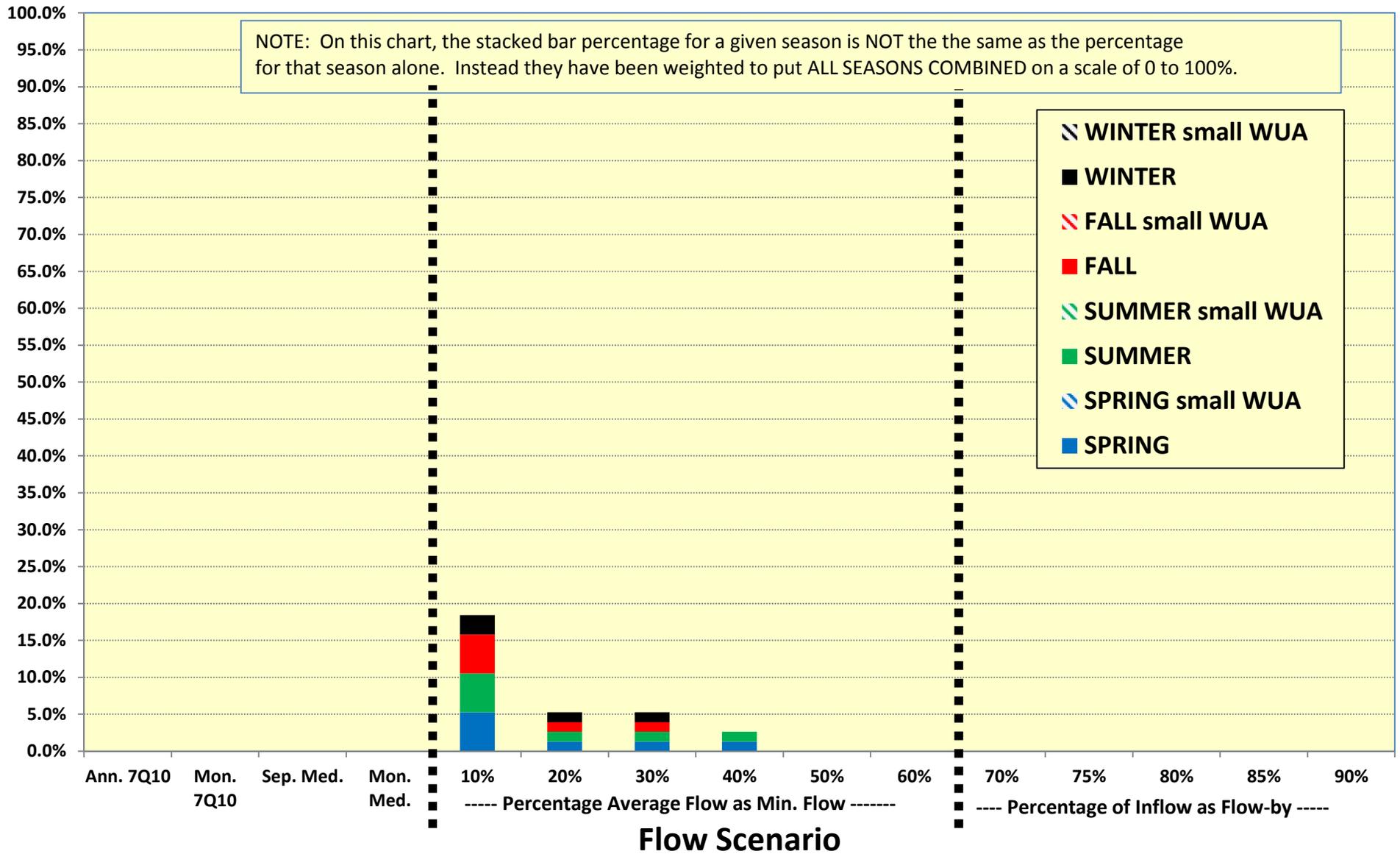


## Nantahala River - Lower Peaking Reach - % (weighted equally for each season) of Species/Life Stages <80% of Unregulated Index B WUA Value



NANTAHALA R., LOWER PEAKING REACH 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).

Species/LifeStage	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	EPHEM														
	PLECO														
	NHSJ														
	RBTF														
	BNDJ														
	BNDF														
	BNDS														
	BRTJ														
	BRTF														
	LNDX				1										
	CRCA														
	CRCY														
Deep	TRIC														
	MTSX				1										
	NHSA														
	RBTA														
	RBTS				1	1	1	1							
	BRTA														
	BRTS				1										
<b>Total out of 19</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &gt; 1000 WUA</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &lt; 1000 WUA</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total out of 19</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% for just this season</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>21.1%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% weighted equally for each season</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &gt; 1000 WUA</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &lt; 1000 WUA</b>		<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>

unregulated Index B
30563
15735
8258
8798
13810
12558
8046
26180
8248
42306
12945
5217
32455
115308
6343
46004
12202
20616
17002

**NANTAHALA R., LOWER PEAKING REACH** Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SPRING**

April - June

Highlighted cells are those >120% or < 80%

Species/LifeStage	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	EPHEM	139.4%	122.8%	112.6%	110.0%	161.5%	153.0%	147.7%	140.2%	132.8%	124.1%	121.9%	118.2%	114.5%	110.7%	107.1%
	PLECO	130.9%	119.7%	110.9%	108.5%	133.5%	139.2%	141.1%	132.4%	126.1%	121.1%	117.7%	114.9%	112.1%	109.2%	106.2%
	NHSJ	126.9%	116.1%	109.7%	107.7%	105.6%	127.4%	129.3%	127.3%	121.8%	117.0%	114.7%	112.1%	109.6%	107.2%	104.8%
	RBTF	154.7%	113.2%	107.9%	106.2%	277.2%	235.8%	184.8%	157.8%	117.7%	113.9%	116.4%	111.1%	107.8%	105.4%	103.8%
	BNDJ	143.4%	121.9%	111.4%	108.9%	126.4%	147.0%	151.2%	144.9%	134.1%	123.0%	122.4%	118.2%	114.1%	110.3%	106.6%
	BNDF	150.7%	125.6%	111.7%	109.2%	216.0%	196.6%	169.1%	152.3%	140.5%	127.5%	126.6%	121.8%	117.2%	112.6%	108.2%
	BNDS	180.5%	135.4%	117.1%	113.8%	232.5%	209.0%	199.2%	183.2%	158.0%	137.4%	139.2%	131.4%	124.1%	117.5%	111.2%
	BRTJ	135.5%	119.7%	109.6%	107.8%	150.6%	148.7%	141.7%	136.1%	129.9%	121.0%	119.7%	116.4%	113.0%	109.6%	106.3%
	BRTF	135.7%	118.7%	110.2%	107.9%	133.3%	158.9%	155.7%	138.7%	126.9%	119.7%	118.3%	114.9%	111.7%	108.6%	105.7%
	LNDX	100.3%	107.6%	107.2%	106.4%	78.9%	90.2%	93.9%	98.9%	105.5%	107.9%	103.3%	103.6%	103.6%	103.1%	102.3%
CRCA	115.8%	113.2%	109.1%	107.5%	113.2%	117.1%	116.0%	115.4%	115.9%	113.8%	110.9%	109.5%	107.9%	106.1%	104.1%	
CRCY	153.7%	127.8%	113.4%	110.7%	238.1%	207.6%	174.7%	155.4%	142.9%	129.8%	128.5%	123.4%	118.5%	113.6%	108.9%	
Deep	TRIC	138.8%	123.3%	112.4%	109.8%	147.5%	146.1%	143.5%	139.3%	133.5%	124.8%	122.2%	118.5%	114.8%	111.0%	107.3%
	MTSX	93.7%	99.3%	101.0%	101.1%	70.6%	85.2%	92.7%	93.0%	96.6%	99.2%	97.6%	98.2%	98.8%	99.2%	99.6%
	NHSA	123.0%	112.7%	107.6%	105.8%	100.7%	123.1%	124.9%	123.3%	118.1%	113.2%	112.0%	109.8%	107.7%	105.7%	103.7%
	RBTA	132.0%	122.5%	113.4%	110.6%	143.8%	139.8%	135.7%	132.1%	129.9%	123.8%	119.8%	116.8%	113.6%	110.3%	106.9%
	RBTS	82.1%	104.2%	109.4%	108.0%	35.4%	44.3%	55.3%	78.3%	93.9%	103.2%	94.5%	96.7%	98.6%	99.9%	100.5%
	BRTA	131.4%	118.4%	110.0%	107.8%	150.3%	146.3%	138.8%	132.1%	126.3%	119.5%	117.4%	114.4%	111.5%	108.5%	105.7%
	BRTS	113.8%	112.6%	109.7%	108.4%	78.0%	103.6%	110.9%	113.2%	114.4%	113.1%	110.3%	109.1%	107.7%	106.0%	104.1%
<b>AVERAGE</b>		130.6%	117.6%	110.2%	108.2%	141.7%	143.1%	137.2%	131.3%	124.5%	118.6%	116.5%	113.6%	110.9%	108.1%	105.4%
<b>MEDIAN</b>		132.0%	118.7%	110.0%	108.0%	133.5%	146.1%	141.1%	132.4%	126.3%	119.7%	117.7%	114.9%	111.7%	108.6%	105.7%
<b>MINIMUM</b>		82.1%	99.3%	101.0%	101.1%	35.4%	44.3%	55.3%	78.3%	93.9%	99.2%	94.5%	96.7%	98.6%	99.2%	99.6%
<b>MAXIMUM</b>		180.5%	135.4%	117.1%	113.8%	277.2%	235.8%	199.2%	183.2%	158.0%	137.4%	139.2%	131.4%	124.1%	117.5%	111.2%

NANTAHALA R., LOWER PEAKING REACH 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 **SUMMER**

**July - September**

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

Species/LifeStage	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 EPHEM															
PLECO															
NHSJ															
RBTF															
BNDJ															
BNDF															
BNDS															
BRTJ															
BRTF															
LNDX					1										
CRCA															
CRCY															
Deep TRIC															
MTSX					1										
NHSA															
RBTA															
RBTS					1	1	1	1							
BRTA															
BRTS					1										
<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &gt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &lt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% for just this season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>21.1%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% weighted equally for each season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &gt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &lt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>

unregulated Index B
35626
17934
9226
9634
15989
14834
10121
29872
9352
44837
14244
6256
37890
114713
6927
53531
12509
23329
18729

**NANTAHALA R., LOWER PEAKING REACH** Table shows percentage of unregulated Index B value achieved by flow scenario

Season **SUMMER**

July - September

Highlighted cells are those >120% or < 80%

Species/LifeStage		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	EPHEM	119.6%	114.6%	101.3%	104.5%	138.6%	131.2%	126.7%	120.3%	113.9%	107.7%	115.3%	112.9%	110.5%	107.9%	105.3%
	PLECO	114.8%	111.4%	101.2%	104.0%	117.1%	122.1%	123.8%	116.2%	110.6%	107.0%	112.4%	110.4%	108.4%	106.4%	104.3%
	NHSJ	113.6%	109.8%	101.2%	103.3%	94.5%	114.0%	115.8%	114.0%	109.0%	105.4%	110.3%	108.8%	107.2%	105.5%	103.7%
	RBTF	141.3%	117.4%	101.0%	102.8%	253.1%	215.4%	168.8%	144.1%	107.5%	104.6%	124.5%	118.9%	113.5%	108.4%	104.5%
	BNDJ	123.8%	116.9%	101.2%	104.7%	109.2%	126.9%	130.6%	125.1%	115.8%	107.7%	118.2%	115.1%	112.0%	108.9%	105.9%
	BNDF	127.6%	120.0%	101.0%	105.5%	182.9%	166.4%	143.2%	128.9%	119.0%	109.7%	121.3%	117.7%	114.1%	110.6%	107.0%
	BNDS	143.5%	128.6%	101.3%	106.9%	184.8%	166.1%	158.4%	145.6%	125.6%	111.7%	131.7%	125.9%	120.2%	114.7%	109.4%
	BRTJ	118.8%	114.3%	100.8%	104.2%	132.0%	130.3%	124.2%	119.2%	113.8%	107.3%	114.6%	112.4%	110.1%	107.6%	105.1%
	BRTF	119.7%	113.4%	101.1%	103.9%	117.6%	140.2%	137.3%	122.3%	111.9%	106.6%	115.8%	112.6%	109.7%	107.2%	104.7%
	LNDX	94.6%	98.4%	101.1%	101.1%	74.4%	85.1%	88.6%	93.3%	99.6%	101.5%	96.0%	97.2%	98.2%	99.0%	99.6%
	CRCA	105.3%	105.1%	101.0%	102.3%	102.9%	106.4%	105.4%	104.9%	105.4%	103.8%	104.5%	104.2%	103.7%	103.1%	102.2%
	CRCY	128.2%	120.4%	101.1%	105.7%	198.5%	173.1%	145.7%	129.6%	119.1%	110.0%	121.7%	118.1%	114.5%	110.8%	107.1%
Deep	TRIC	118.9%	114.7%	101.2%	104.7%	126.3%	125.1%	122.9%	119.3%	114.4%	108.1%	114.9%	112.8%	110.6%	108.1%	105.5%
	MTSX	94.1%	96.6%	100.5%	99.8%	70.9%	85.6%	93.2%	93.5%	97.1%	99.3%	95.9%	96.7%	97.5%	98.3%	99.0%
	NHSA	112.6%	108.8%	101.0%	102.7%	92.2%	112.8%	114.4%	112.9%	108.1%	104.3%	109.3%	107.9%	106.4%	104.8%	103.2%
	RBTA	113.4%	111.5%	101.5%	104.3%	123.5%	120.1%	116.6%	113.5%	111.6%	107.3%	111.1%	109.9%	108.4%	106.6%	104.6%
	RBTS	80.1%	89.4%	103.2%	100.8%	34.5%	43.2%	54.0%	76.4%	91.6%	99.2%	84.3%	88.3%	91.7%	94.5%	96.8%
	BRTA	116.1%	112.2%	101.1%	103.9%	132.8%	129.3%	122.6%	116.7%	111.6%	106.6%	112.7%	110.8%	108.8%	106.7%	104.5%
	BRTS	103.3%	103.5%	100.9%	101.8%	70.8%	94.1%	100.7%	102.7%	103.8%	102.8%	102.6%	102.6%	102.5%	102.1%	101.6%
<b>AVERAGE</b>		115.2%	110.9%	101.2%	103.5%	124.0%	125.7%	120.7%	115.7%	110.0%	105.8%	111.4%	109.6%	107.8%	105.8%	103.9%
<b>MEDIAN</b>		116.1%	112.2%	101.1%	103.9%	117.6%	125.1%	122.9%	116.7%	111.6%	106.6%	112.7%	110.8%	108.8%	106.7%	104.5%
<b>MINIMUM</b>		80.1%	89.4%	100.5%	99.8%	34.5%	43.2%	54.0%	76.4%	91.6%	99.2%	84.3%	88.3%	91.7%	94.5%	96.8%
<b>MAXIMUM</b>		143.5%	128.6%	103.2%	106.9%	253.1%	215.4%	168.8%	145.6%	125.6%	111.7%	131.7%	125.9%	120.2%	114.7%	109.4%

NANTAHALA R., LOWER PEAKING REACH 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 **FALL**

**Oct & Nov**

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

Species/LifeStage	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 EPHEM															
PLECO															
NHSJ															
RBTF															
BNDJ															
BNDF															
BNDS															
BRTJ															
BRTF															
LNDX					1										
CRCA															
CRCY															
Deep TRIC															
MTSX					1										
NHSA															
RBTA															
RBTS					1	1	1								
BRTA															
BRTS					1										
<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &gt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>total &lt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>% for just this season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>21.1%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% weighted equally for each season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &gt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>5.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
<b>% &lt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>

unregulated Index B
35668
17885
9171
9646
16123
15102
10368
30142
9369
43631
14059
6347
37988
113171
6911
53083
11767
23354
18392

**NANTAHALA R., LOWER PEAKING REACH** Table shows percentage of unregulated Index B value achieved by flow scenario

Season **FALL**

October & November

Highlighted cells are those >120% or < 80%

Species/LifeStage	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	EPHEM	119.4%	117.5%	103.9%	108.3%	138.4%	131.1%	126.5%	120.1%	113.9%	109.0%	114.5%	112.1%	109.7%	107.3%	104.8%
	PLECO	115.2%	113.9%	103.5%	107.5%	117.5%	122.4%	124.1%	116.5%	111.0%	108.2%	112.6%	110.1%	107.8%	105.7%	103.8%
	NHSJ	114.3%	112.6%	103.5%	106.4%	95.1%	114.7%	116.5%	114.7%	109.8%	106.9%	110.5%	108.8%	107.1%	105.3%	103.5%
	RBTF	141.1%	128.4%	102.9%	105.4%	252.8%	215.1%	168.6%	144.0%	108.1%	105.8%	130.7%	125.2%	119.3%	113.4%	107.9%
	BNDJ	122.8%	120.1%	103.6%	108.0%	108.3%	125.9%	129.5%	124.1%	115.1%	108.7%	117.0%	114.2%	111.3%	108.3%	105.5%
	BNDF	125.3%	122.4%	103.1%	108.9%	179.6%	163.4%	140.6%	126.6%	117.1%	109.9%	118.9%	115.5%	112.2%	109.1%	106.0%
	BNDS	140.0%	133.9%	104.2%	111.2%	180.4%	162.2%	154.6%	142.2%	123.0%	112.3%	129.8%	124.5%	119.4%	114.3%	109.3%
	BRTJ	117.7%	116.0%	102.7%	107.1%	130.8%	129.1%	123.0%	118.2%	112.9%	107.8%	112.6%	110.6%	108.6%	106.5%	104.4%
	BRTF	119.4%	117.2%	103.3%	107.1%	117.4%	139.9%	137.1%	122.1%	111.9%	107.7%	116.9%	113.5%	110.1%	107.2%	104.6%
	LNDX	97.2%	98.8%	103.3%	103.7%	76.5%	87.5%	91.1%	95.9%	102.2%	103.8%	96.2%	97.1%	98.1%	99.0%	99.5%
	CRCA	106.7%	106.6%	103.2%	105.2%	104.3%	107.8%	106.8%	106.3%	106.7%	105.4%	104.7%	104.1%	103.5%	102.8%	102.0%
	CRCY	126.3%	123.3%	103.6%	109.5%	195.7%	170.6%	143.6%	127.7%	117.6%	110.5%	119.8%	116.2%	112.9%	109.5%	106.3%
Deep	TRIC	118.6%	117.0%	103.8%	108.5%	126.0%	124.8%	122.6%	119.0%	114.2%	109.3%	113.3%	111.3%	109.2%	107.0%	104.7%
	MTSX	95.4%	96.4%	101.1%	100.3%	71.9%	86.8%	94.5%	94.8%	98.4%	100.2%	96.7%	97.1%	97.7%	98.3%	98.9%
	NHSA	112.9%	111.2%	102.8%	105.1%	92.4%	113.0%	114.7%	113.2%	108.5%	105.5%	109.2%	107.8%	106.4%	104.8%	103.1%
	RBTA	114.4%	113.7%	104.5%	108.5%	124.6%	121.1%	117.6%	114.5%	112.6%	109.1%	110.3%	108.9%	107.3%	105.7%	103.9%
	RBTS	85.1%	88.8%	106.8%	104.3%	36.7%	45.9%	57.4%	81.2%	97.1%	103.5%	83.6%	87.4%	90.9%	93.9%	96.3%
	BRTA	116.0%	114.4%	103.3%	107.0%	132.7%	129.2%	122.5%	116.6%	111.6%	107.6%	111.9%	109.9%	107.9%	105.9%	103.9%
	BRTS	105.2%	105.2%	103.3%	104.7%	72.1%	95.8%	102.5%	104.6%	105.7%	104.9%	103.2%	103.0%	102.8%	102.4%	101.7%
<b>AVERAGE</b>	115.4%	113.5%	103.5%	106.7%	123.8%	125.6%	120.7%	115.9%	110.4%	107.1%	111.2%	109.3%	107.5%	105.6%	103.7%	
<b>MEDIAN</b>	116.0%	114.4%	103.3%	107.1%	117.5%	124.8%	122.6%	116.6%	111.6%	107.7%	112.6%	110.1%	107.9%	105.9%	103.9%	
<b>MINIMUM</b>	85.1%	88.8%	101.1%	100.3%	36.7%	45.9%	57.4%	81.2%	97.1%	100.2%	83.6%	87.4%	90.9%	93.9%	96.3%	
<b>MAXIMUM</b>	141.1%	133.9%	106.8%	111.2%	252.8%	215.1%	168.6%	144.0%	123.0%	112.3%	130.7%	125.2%	119.4%	114.3%	109.3%	

NANTAHALA R., LOWER PEAKING REACH 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 **WINTER**

**Dec - March**

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

Species/LifeStage	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	EPHEM														
	PLECO														
	NHSJ														
	RBTF														
	BNDJ														
	BNDF														
	BNDS														
	BRTJ														
	BRTF														
	LNDX														
	CRCA														
	CRCY														
Deep	TRIC														
	MTSX				1										
	NHSA														
	RBTA														
	RBTS				1	1	1								
	BRTA														
	BRTS														
	<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>total &gt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>total &lt; 1000 WUA</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>Total out of 19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	<b>% for just this season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>10.5%</b>	<b>5.3%</b>	<b>5.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
	<b>% weighted equally for each season</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.6%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
	<b>% &gt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>2.6%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>
	<b>% &lt; 1000 WUA</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>

unregulated Index B
25742
13605
7370
8081
12006
10590
6233
22714
7274
37639
11342
4288
27399
112761
5808
38378
10697
18106
14557

**NANTAHALA R., LOWER PEAKING REACH** Table shows percentage of unregulated Index B value achieved by flow scenario

Season **WINTER**

December - March

Highlighted cells are those >120% or < 80%

Species/LifeStage	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	EPHEM	165.5%	145.2%	131.3%	112.6%	191.8%	181.6%	175.3%	166.5%	157.7%	147.4%	127.2%	122.1%	117.3%	112.6%	108.2%
	PLECO	151.4%	138.0%	126.2%	110.2%	154.4%	161.0%	163.2%	153.2%	145.8%	140.0%	122.2%	118.2%	114.4%	110.7%	107.0%
	NHSJ	142.2%	129.8%	121.5%	106.9%	118.3%	142.8%	144.9%	142.7%	136.4%	131.1%	116.9%	113.7%	110.6%	107.7%	105.0%
	RBTF	168.4%	123.0%	116.3%	104.3%	301.8%	256.8%	201.2%	171.8%	128.2%	124.0%	113.2%	110.1%	107.8%	105.7%	103.7%
	BNDJ	164.9%	139.7%	125.9%	108.0%	145.4%	169.1%	173.9%	166.6%	154.3%	141.5%	123.6%	118.8%	114.4%	110.3%	106.6%
	BNDF	178.7%	148.1%	129.4%	110.9%	256.2%	233.1%	200.5%	180.6%	166.6%	151.2%	130.0%	124.3%	118.8%	113.6%	108.8%
	BNDS	233.0%	173.6%	146.9%	119.4%	300.1%	269.7%	257.2%	236.5%	203.9%	177.4%	146.8%	137.3%	128.6%	120.6%	113.2%
	BRTJ	156.2%	137.4%	124.2%	110.2%	173.6%	171.4%	163.3%	156.8%	149.7%	139.5%	123.3%	119.0%	114.8%	110.8%	107.0%
	BRTF	153.8%	134.2%	123.0%	107.9%	151.2%	180.2%	176.6%	157.3%	143.9%	135.7%	119.9%	116.1%	112.5%	109.1%	105.9%
	LNDX	112.7%	121.0%	120.3%	113.6%	88.7%	101.4%	105.6%	111.2%	118.6%	121.2%	112.3%	110.9%	109.2%	107.2%	104.9%
	CRCA	132.2%	129.0%	123.6%	111.9%	129.2%	133.6%	132.4%	131.7%	132.3%	129.9%	117.6%	114.7%	111.8%	108.9%	105.9%
CRCY	187.0%	154.6%	134.6%	113.9%	289.7%	252.5%	212.5%	189.0%	173.8%	157.9%	133.9%	127.4%	121.3%	115.4%	109.9%	
Deep	TRIC	164.5%	145.5%	130.6%	111.9%	174.7%	173.0%	169.9%	165.0%	158.1%	147.9%	127.2%	122.2%	117.3%	112.7%	108.2%
	MTSX	95.8%	101.7%	103.6%	104.3%	72.2%	87.1%	94.8%	95.1%	98.8%	101.4%	100.8%	101.0%	101.1%	101.1%	100.8%
	NHSA	134.3%	122.8%	116.4%	105.0%	110.0%	134.5%	136.4%	134.7%	128.9%	123.6%	113.1%	110.6%	108.2%	106.0%	103.9%
	RBTA	158.2%	146.4%	133.8%	113.4%	172.3%	167.5%	162.6%	158.3%	155.7%	148.4%	127.1%	122.4%	117.6%	113.0%	108.5%
	RBTS	93.7%	119.4%	125.6%	119.3%	40.4%	50.5%	63.1%	89.3%	107.2%	117.7%	108.5%	108.4%	107.6%	106.3%	104.5%
	BRTA	149.6%	134.4%	123.4%	108.2%	171.1%	166.6%	158.0%	150.4%	143.8%	136.1%	120.3%	116.5%	112.9%	109.4%	106.1%
	BRTS	132.9%	131.3%	127.4%	116.8%	91.1%	121.0%	129.6%	132.2%	133.6%	132.0%	119.9%	116.9%	113.6%	110.3%	106.8%
<b>AVERAGE</b>		151.3%	135.5%	125.5%	111.0%	164.8%	166.0%	159.0%	152.0%	144.1%	137.1%	121.3%	117.4%	113.7%	110.1%	106.6%
<b>MEDIAN</b>		153.8%	134.4%	125.6%	110.9%	154.4%	167.5%	163.2%	156.8%	143.9%	136.1%	120.3%	116.9%	113.6%	110.3%	106.6%
<b>MINIMUM</b>		93.7%	101.7%	103.6%	104.3%	40.4%	50.5%	63.1%	89.3%	98.8%	101.4%	100.8%	101.0%	101.1%	101.1%	100.8%
<b>MAXIMUM</b>		233.0%	173.6%	146.9%	119.4%	301.8%	269.7%	257.2%	236.5%	203.9%	177.4%	146.8%	137.3%	128.6%	120.6%	113.2%