

DATE: May 9, 2005

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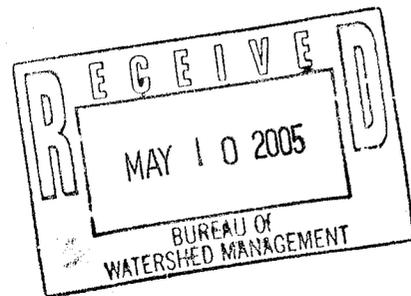
TO: Laura Bub – WT/2

FROM: Ken Schreiber - WCR

SUBJECT: Stream re-classification

Enclosed is documentation of two streams that have been re-classified in recent years to reflect results of fish surveys conducted in the 1980s and 1990s. Based on fish surveys conducted in 1981 and 1986, the Kinnickinnic River (Pierce Co.) below Devils Den to its confluence with the St. Croix River was declassified from Coldwater (Class I) to a Warmwater Sport Fishery (WWSF).

Based on fish surveys conducted in 1994, Tiffany Creek (Dunn Co.) from STH 79 to its confluence with the South Fork Hay River was reclassified from Fish and Aquatic Life (FAL) to Coldwater (Class II).



Tiffany Creech



News Release

Wisconsin Department of Natural Resources
West Central Region Headquarters - Eau Claire
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Phone: (715) 839-3700 TDD: (715) 839-2786

Date: January 26, 2001
Subject: Dunn County Streams Reclassified
Contact: Marty Engel, Senior Fisheries Biologist, Baldwin, WI (715) 684-2914.

EAU CLAIRE, WI --- Portions of 56 Dunn County trout streams are to be classified or reclassified based on their ability to support natural reproduction and good trout habitat, according to Marty Engel, Department of Natural Resources Senior Fisheries Biologist, Baldwin.

Pursuant to NR 1.02 (7) (4) Wisconsin Administrative Code the Department of Natural Resources gives public notice of the classification. The Department shall waive any hearing requirement on any new classification unless a written request is received before March 2, 2001. Anyone wanting a hearing can contact Marty Engel, Senior Fisheries Biologist, Suite 104, 990 Hillcrest Str., Baldwin, WI., 54002. He can be contacted by telephone at (715) 684-2914.

The streams are:

- 2066200 • Annis Creek (Stanton, Sherman and Menomonie N Townships) was classified as Class II trout water from CTH K upstream (3.0 miles). The classification will be expanded to include the entire stream for a total of 8.8 miles. This stream has low to moderate densities of natural reproducing brook trout throughout its course.
- 2071000 • Beaver Creek (Sand Creek Township) will be classified as Class I brook trout water (2.1 miles). This stream has moderate densities of natural reproducing brook trout.
- 2058000 • Cady Creek (Weston Township) will be classified as Class I brook trout water (0.5 miles) This stream has moderate densities of natural reproducing brook trout.
- 2066300 • Clack Creek's (Sherman Township) Class II designation will be expanded (from the mouth upstream 2.0 miles) to the entire stream (4.5 miles upstream from the mouth). This stream has low to moderate densities of natural reproducing brook trout throughout its course.
- 2075500 • Connors Creek (New Haven Township) will be classified as Class I brook trout water (0.3 miles). This stream has high densities of natural reproducing brook trout.

More

Stream reclass add two

- 2070100 • Hay River –South Fork (Hay River, Tiffany and New Haven Townships) The classification will be changed and expanded from Class II (upstream from 130th Ave. T31N-R14W, 2.3 miles) and Class III (remainder upstream from STH 79, 13.0 miles) to Class II (mouth upstream to 110th Ave., T31N-R14W, 17.3 miles) and Class I (110th Ave. upstream, 3.9 miles). Moderate to high densities of natural reproducing brook trout can be found upstream from 110th Ave. and low densities of natural reproducing brook trout and supplementally stocked trout can be found downstream.
- 2056800 • Knights Creek (Eau Galle and Weston Townships) The classification will be changed and expanded from Class II (upstream from 180th Str., 1.2 miles) and Class III (CTH D upstream to 180th Str., 3.6 miles) to Class II trout water for the entire stream length of 8.0 miles. Low to moderate densities of natural reproducing brook trout can be found throughout this stream.
- 2057700 • Knights Creek West Branch (Weston Township) The classification will be changed and expanded from Class II from the mouth upstream 2.4 miles to Class I for the entire stream for a total of 3.0 miles. Moderate densities of natural reproducing brook trout can be found throughout this stream.
- 2057600 • Knights Creek North Branch (Weston Township) The classification will be expanded from 0.8 miles to 2.0 miles of Class II brook trout water to include the entire stream. Low densities of natural reproducing brook trout can be found throughout this stream.
- 2077200 • Quarter Creek (Sheridan Township) All 1.0 miles will be classified as Class II brook trout water. Low densities of natural reproducing brook trout can be found throughout this stream.
- 2119000 • Rock Creek (Rock Creek Township) All waters found upstream of STH 85 are currently listed as Class III trout water for a total of 3.0 miles. Due to warmwater conditions and poor stock survival trout are no longer found here and therefore this reach will be declassified. Rock Creek downstream of STH 85 is influenced by coldwater springs. Low densities of wild brown trout can be found here. This portion of Rock Creek will be classified as Class II brown trout water from the mouth upstream to STH 85 for a total of 2.4 miles.
- 2086100 • Sand Creek (Sand Creek Township) The classification will be upgraded from 1.5 miles of Class II trout water to 1.5 miles of Class I trout water. Moderate to high densities of natural reproducing brook and brown trout can be found in this stream.
- 2070500 • Tiffany Creek (Tiffany and Hay River Townships) is currently classified as Class II trout water upstream from STH 79. The Class II designation will be expanded 1.7 miles downstream to the South Fork of the Hay River for a total of 9.3 miles.

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STATION SUMMARY
TROUT POPULATION PARAMETERS
TIFFANY CREEK WATERSHED
DUNN COUNTY, WISCONSIN
JULY & AUGUST, 1994

STATION NUMBER	Tiffany Creek											
	1	2	3	4	5	6	7	8	9	10	11	12
Station Information & WBIC	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500
Sampling Date:	940720	940720	940719	940725	940719	940719	940718	940714	940714	940714	940714	940713
Recap Date:						940721			940718		940718	940718
River Mile:	0.6	1.6	2.9	3.8	4.3	4.8	5.5	7.1	7.9	8.4	9.1	9.6
Station Length (ft):	900	900	900	900	900	900	900	900	900	900	900	900
No. Acres:	0.71	0.56	0.69	0.56	0.60	0.56	0.47	0.61	0.24	0.22	0.24	0.27
Equipment: *	1SS	1SS	1SS	1SS	1SS	1SS	1SS	1SS	1SS	1SS	1SS	1SS
No. Electrodes:	3	3	3	3	3	3	3	3	2	2	2	2
Number Captured & Catch per Unit Effort												
Brook Trout												
1st Run Total (< 4")	0	0	1	2	3	8	7	11	65	3	27	138
No. per mile:	0.0	0.0	5.9	11.7	17.6	46.9	41.1	64.5	381.3	17.6	158.4	809.6
1st Run Total (4" & >)	10	15	23	23	16	59	29	14	64	12	98	214
No. per mile:	58.7	88.0	134.9	134.9	93.9	346.1	170.1	82.1	375.5	70.4	574.9	1255.5
2nd Run Total: (4" & >)						16			49		93	170
No. per mile:						93.9			287.5		545.6	997.3
Brook Trout Length Distribution												
Inch Group												
2					1	5	5	8	49	3	14	119
3			1	2	2	3	2	3	16		13	19
4										1	6	18
5		4		2	3	3	3	4	23	5	28	87
6	3	3	8	12	6	31	14	7	28	3	28	58
7	6	3	9	7	4	19	9	1	11	3	16	23
8	1	1	4	1	3	3	2		1		9	10
9		1		1				1			5	10
10			1				1		1		4	6
11		2									1	
12		1	1			3		1			1	1
13												1
Brook Trout Population Estimates												
4 inches and greater:						84			78		214	222
STD:						25			10		48	6
Pounds per acre:						21.5			40.6		128.4	91.5
Number per mile:						492.8			457.6		1255.5	1302.4
6 inches and greater:						75			55		153	168
STD:						21			11		48	22
Pounds per acre:						18.8			24.4		78.1	51.8
Number per mile:						440.0			322.7		897.6	985.6

* SS - stream shocker
BPK - backpack shocker
MB - mini boom shocker

STATION SUMMARY
TROUT POPULATION PARAMETERS
TIFFANY CREEK WATERSHED
DUNN COUNTY, WISCONSIN
JULY & AUGUST, 1994

STATION NUMBER	Tiffany Creek				Creek 35-2		Creek 34-6a			
	13	14	15	16	1	2	1	2	3	4
Station Information										
& WBIC	2070500	2070500	2070500	2070500	2070700	2070700	2070900	2070900	2070900	2070900
Sampling Date:	940707	940705	940711	940708	940727	940727	940727	940727	940727	940727
Recap Date:	940711	940707	940712	940711						
River Mile:	10.3	11.2	11.6	11.9	0.2	1.4	0.2	1.3	1.7	2.5
Station Length (ft):	900	900	900	900	900	900	900	900	900	900
No. Acres:	0.15	0.17	0.12	0.06	0.08	0.12	0.09	0.10	0.12	0.07
Equipment: *	1BPK	1BPK	1BPK	1BPK	1BPK	1BPK	1BPK	1BPK	1BPK	1BPK
No. Electrodes:	1	1	1	1	1	1	1	1	1	1
Number Captured & Catch per Unit Effort										
Brook Trout										
1st Run Total (< 4")	68	54	49	43	7	9	23	1	3	28
No. per mile:	398.9	316.8	287.5	252.3	41.1	52.8	134.9	5.9	17.6	164.3
1st Run Total (4" & >)	159	203	76	121	9	7	4	1	3	25
No. per mile:	932.8	1190.9	445.9	709.9	52.8	41.1	23.5	5.9	17.6	146.7
2nd Run Total: (4" & >)	122	268	51	144						
No. per mile:	715.7	1572.3	299.2	844.8						
Brook Trout										
Length Distribution										
Inch Group										
2	65	49	49	36	5	6	3	1	2	21
3	5	4		11	2	3	20		1	7
4	46	48	15	38			4			1
5	70	59	42	52		2		1	2	9
6	27	62	13	19	6	1				12
7	12	29	6	10	2	1			1	2
8	3	5		2	1	1				1
9	1					1				
10						1				
11										
12										
Brook Trout										
Population Estimates										
4 inches and greater:	248	520	101	214						
STD:	33	79	16	31						
Pounds per acre:	120.1	267.4	66.6	235.1						
Number per mile:	1454.9	3050.7	592.5	1255.5						
6 inches and greater:	62	210	24	47						
STD:	14	40	6	11						
Pounds per acre:	14.4	74.0	6.4	21.6						
Number per mile:	363.7	1232.0	140.8	275.7						

* SS - stream shocker
BPK - backpack shocker
MB - mini boom shocker

STATION SUMMARY
FISH ASSEMBLAGE
TIFFANY CREEK WATERSHED
DUNN COUNTY, WISCONSIN
JULY & AUGUST, 1994

STATION NUMBER	Tiffany Creek											
	1	2	3	4	5	6	7	8	9	10	11	12
Station Information & WBIC	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500	2070500
Sampling Date:	940720	940720	940719	940725	940719	940719	940718	940714	940714	940714	940714	940713
River Mile:	0.6	1.6	2.9	3.8	4.3	4.8	5.5	7.1	7.9	8.4	9.1	9.6
Station Length (ft):	300	300	300	300	300	300	300	300	300	300	300	300
Basin Area (Sq. Mi.)	73.8	69.9	61.7	54.4	54.3	53.9	53.6	51.8	16.5	16.2	15.8	13.7
Fish Species & Number Captured												
Brook Trout		8	1	7	11	32	8	6	45	8	46	130
Blacknose Dace	1	10	8	11	8	12	3	1	5	3		
Creek Chub	6	7	34	13	15	13	30	20	8	3		
Fathead Minnow			2					42	8	11	8	7
Longnose Dace		3		3	7	4		1			5	
Pearl Dace	2	11	31	18	25	47	13	13		29	2	
White Sucker	6	41	63	37	22	41	58	22	17	5	1	1
Fantail Darter			1	1	5	1						
Johnny Darter		4	8	4			7	2		1		2
Logperch		1				1						
Brook Stickleback		5	5	1			1		1	1		2
Central Mudminnow		3	2				1		1		1	9
Mottled Sculpin	1	8	15	9	42	20	24	6	22	3	30	40
Total	16	103	180	104	135	171	145	113	123	64	93	191
Coldwater IBI Calc. & Score												
No. Intolerant Species	1	2	2	2	2	2	2	2	2	2	2	2
Score	10	10	10	10	10	10	10	10	10	20	20	20
% Intolerant Individuals	6	16	9	15	39	30	22	11	63	17	82	89
Score	10	10	10	10	10	20	10	10	20	10	20	20
% Tolerant Individuals	81	60	66	59	33	39	43	75	36	34	11	9
Score	0	10	10	10	10	10	10	10	10	10	20	20
No. Prim. Cool & Coldwater Species	2	4	4	4	3	3	4	3	3	4	3	3
Score	10	20	20	20	10	10	20	10	20	20	20	20
% Prim. Coldwater Indiv.	6	16	9	15	39	30	22	11	63	17	82	89
Score	10	10	10	10	20	20	10	10	20	10	20	20
% DELT Individuals	0	7	0	0	0	0.2	0	0	0	0	0	0
Score	0	-10	0	0	0	0	0	0	0	0	0	0
No. Non-Tolerants/300m	10	132	201	142	356	347	247	92	271	139	274	574
Score	-10	0	0	0	0	0	0	0	0	0	0	0
Overall IBI Score	30	50	60	60	60	70	60	50	90	70	100	100
Overall IBI Rating	POOR*	FAIR	GOOD	GOOD	GOOD	GOOD	GOOD	FAIR	EXCEL.	GOOD	EXCEL.	EXCEL.

* Rating may not be representative when the total number of individuals caught are less than 25. A rating of very poor may apply.

STATION SUMMARY
FISH ASSEMBLAGE
TIFFANY CREEK WATERSHED
DUNN COUNTY, WISCONSIN
JULY & AUGUST, 1994

STATION NUMBER	Tiffany Creek				Creek 35-2		Creek 34-6a			
	13	14	15	16	1	2	1	2	3	4
Station Information & WBIC	2070500	2070500	2070500	2070500	2070700	2070700	2070900	2070900	2070900	2070900
Sampling Date:	940713	940704	940711	940708	940727	940727	940727	940727	940727	940727
River Mile:	10.3	11.2	11.6	11.9	0.2	1.4	0.2	1.3	1.7	2.5
Station Length (ft):	300	300	300	300	300	300	300	300	300	300
Basin Area (Sq. Mi.)	4.7	4.0	3.3	2.8	2.8	1.9	3.4	2.4	1.7	1.3
Fish Species & Number Captured										
Brook Trout	87	96	28	72	1	8	10	2	3	11
Blacknose Dace										
Creek Chub										
Fathead Minnow	7			2						
Longnose Dace										
Pearl Dace					14					
White Sucker										
Fantail Darter										
Johnny Darter										
Loggerhead										
Brook Stickleback	1		1	1	7	2	1	1		2
Central Mudminnow					1					
Mottled Sculpin	9				30				1	2
Total	104	96	29	75	53	10	11	3	4	15
Coldwater IBI Calc. & Score										
No. Intolerant Species	2	1	1	1	2	1	1	1	2	2
Score	20	20	20	20	20	20	20	20	20	20
% Intolerant Individuals	92	100	97	96	58	80	91	67	100	87
Score	20	20	20	20	20	20	20	20	20	20
% Tolerant Individuals	7	0	0	3	2	0	0	0	0	0
Score	20	20	20	20	20	20	20	20	20	20
No. Prim. Cool & Coldwater Species	3	1	2	2	4	2	2	2	2	3
Score	20	20	20	20	20	20	20	20	20	20
% Prim. Coldwater Indiv.	92	100	97	96	58	80	91	67	100	87
Score	20	20	20	20	20	20	20	20	20	20
% DELT Individuals	0	10	0	0	0	0	11	0	0	0
Score	0	-10	0	0	0	0	-10	0	0	0
No. Non-Tolerants/300m	320	317	96	241	172	33	36	10	13	50
Score	0	0	0	0	0	-10	-10	-10	-10	0
Overall IBI Score	100	90	100	100	100	90	80	90	90	100
Overall IBI Rating	EXCEL	EXCEL	EXCEL	EXCEL	EXCEL	EXCEL*	EXCEL*	EXCEL*	EXCEL*	EXCEL*

* Rating may not be representative when the total number of individuals caught are less than 25. A rating of very poor may apply.

Region <u>WCR</u>	County <u>Dunn</u>	Report Date <u>no report</u>	Classification <u>CW</u>
Water Body: <u>Tiffany Creek</u>			
Discharger: <u>Allied Processors</u>			

If stream is classified as Limited Forage Fish (LFF) or Limited Aquatic Life (LAL), check any of the following Use Attainability Analysis factors that are identified in the classification report:

- Naturally occurring pollutant concentrations prevent the attainment of use
- Natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent discharges without violating State water conservation requirements to enable uses to be met
- Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place
- Dams, diversions or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the water body to its original condition or operate such modification in a way that would result in the attainment of the use
- Physical conditions related to the natural features of the water body, such as the lack of a proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses
- Controls more stringent than those required by sections 301(b) and 306 of the Act would result in substantial and widespread economic and social impact

Supporting Evidence in the report (include comments on how complete/thorough data is)

- Biological Data (fish/invert) _____
- Chemical Data (temp, D.O., etc.) _____
- Physical Data (flow, depth, etc.) _____
- Habitat Description _____
- Site Description/Map _____
- Other: _____

Historical Reports in file:

Additional Comments/How to improve report:

CW stream - no documentation
