

FISHERY INTERIM SUMMARY REPORT SERIES NO. 07-03

COLD STREAM POND FISHERY MANAGEMENT



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COLD STREAM POND FISHERIES MANAGEMENT

INTERIM SUMMARY REPORT NO. 2 (2000-2006)

Summary

Cold Stream Pond is a 3,628-acre oligotrophic lake located in central Penobscot County in the towns of Enfield, Lincoln and Lowell. Maximum and mean depths are 112 feet and 40 feet, respectively. Water quality is considered excellent for the production of salmonids. Landlocked salmon were first introduced into the lake in 1876, while lake trout and brook trout are native to the lake. The salmon and brook trout fisheries are maintained by annual stocking of hatchery fish (500 to 1500 salmon and 1500 to 3000 brook trout). The lake trout population has been maintained by natural reproduction since the mid-1980's, when an annual stocking program was discontinued. Cold Stream Pond is open to both summer and winter fishing, with an 8 fish aggregate in effect during both seasons; 1 salmon, 2 brook trout and 5 lake trout.

Based upon the poor size and condition of landlocked salmon and lake trout observed from the trapnetting operation during the fall 2002, management changes were instituted in 2003. Liberal length and bag limits on lake trout, as well as a sharp decrease in the stocking rate for landlocked salmon were initiated to address the damage to the smelt population, the primary forage for both species.

This report summarizes recent (2000 through 2006) fall trapnet and winter creel surveys at Cold Stream Pond. Angler effort estimates from aerial angler counts made with fixed wing aircraft are summarized as well. Regulation changes since 2000 are listed for continuity (Table 1). Stocking records for landlocked salmon and brook trout are included for reference (Appendices 1 and 2).

KEYWORDS: LKT, LLS, BKT, SLT, TRAPNET, CREEL SURVEY, AGE AND GROWTH, FORAGE, HATCHERY

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Introduction and Study Area

Cold Stream Pond is a 3,628-acre oligotrophic lake located in central Penobscot County in the towns of Enfield, Lincoln and Lowell. Maximum and mean depths are 112 feet and 40 feet, respectively. Water quality is considered excellent for the production of salmonids. Landlocked salmon were first introduced into the lake in 1876, while lake trout and brook trout are native to the lake. The salmon and brook trout fisheries are maintained by annual stocking of hatchery fish (500 to 1500 salmon and 1500 to 3000 brook trout). The lake trout population has been maintained by natural reproduction since the mid-1980's, when an annual stocking program was discontinued. Cold Stream Pond is open to both summer and winter fishing, with an 8 fish aggregate in effect during both seasons; 1 salmon, 2 brook trout and 5 lake trout.

The lake was studied intensively in the early 1950's, resulting in two reports authored by Stuart DeRoche and Lyndon Bond on the status of coldwater fisheries at Cold Stream Pond: The Lake Trout, *Christivomer Namaycush*, of Cold Stream Pond, Enfield, Maine and Landlocked Salmon and Brook Trout of Cold Stream Drainage, Penobscot County, Maine. Since the mid-1970's, numerous studies have been conducted at Cold Stream, including creel surveys, aerial angler counts from fixed wing aircraft, fall trapnetting, water quality monitoring and voluntary creel surveys (Kramer 1998).

This report summarizes recent (2000 through 2006) fall trapnet and winter creel surveys at Cold Stream Pond. Angler effort estimates from aerial angler counts made with fixed wing aircraft are summarized as well. Regulation changes since 2000 are listed for continuity (Table 1). Stocking records for landlocked salmon and brook trout are included for reference (Appendices 1 and 2).

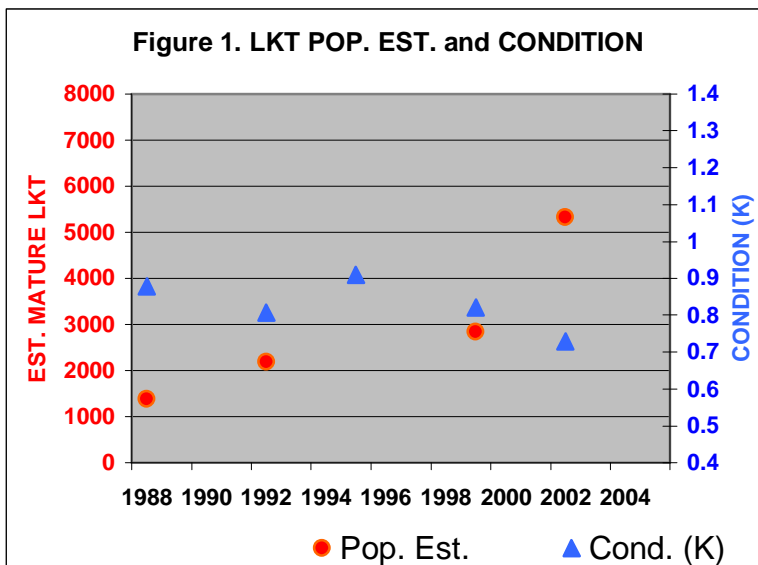
Methods

Anglers were interviewed during the 2000, 2004, 2005 and 2006 ice fishing seasons. Clerks measured and weighed all lake trout, salmon and brook trout kept by anglers. Additionally, angler ground counts were made to estimate angler use when aerial counts were not available.

Trapnets were utilized to collect size and condition information for both landlocked salmon and lake trout during the fall of 2002, 2003, 2004, 2005 and 2006. Dates were generally from the second week in October to the beginning of November and were tended daily or every other day depending upon numbers captured. Traditionally, nets were set in Webb Cove, the only known lake trout spawning shoal in Cold Stream. In 2005, we also set a net by the outlet thoroughfare with the expectation of capturing some additional landlocked salmon. All salmonids captured were measured, weighed, upper caudal clip applied, and examined for fin clips in the case of landlocked salmon and brook trout. During the 2002 trapnet operation, we were able to calculate a lake trout population estimate using the Schnabel mark and recapture method.

Summary of Findings

Angler effort estimates from both aerial counts and ground counts are summarized in Table 2. Variable winter weather, ice conditions and fishing success all contribute to numbers of anglers counted at Cold



Stream Pond during any given winter season. About 2734 ± 784 angler days of effort were estimated in 2005, highest estimated winter effort of all seasons surveyed since 2000. The high angler interest observed in 2005 can be attributed in part to a new fall yearling (FY) brook trout program. The stocking of these larger, fall yearling (FY) brook trout was initiated because we reduced landlocked salmon

stocking rates due to declining forage base of smelts. A total of 1703 brook trout with a mean weight of 1.8 pounds was stocked at Cold Stream Pond during the late fall of 2004. As word of the availability of larger (>14") brook trout spread throughout the Lincoln, Old Town vicinity, many anglers were drawn to the lake. An estimated 820 ± 235 of those fish were harvested during the winter of 2005, while many more (40% of total) were released during that season (estimated total catch of fall yearling brook trout of 1359 ± 390). Anecdotal information suggests that a number of those fish were available during the spring fishery of 2005 as well. In 2006, ice conditions were very poor throughout the region; so fewer anglers were observed at Cold Stream Pond and at other area waters.

During routine trapnetting operations in the fall of 2002, size and condition of both landlocked salmon and lake trout were the poorest of any year since 1988 (Tables 3 and 5). Mean length, weight and condition of all lake trout was 466 ± 2 mm, 760 ± 16 g, and $K = 0.73 \pm 0.01$. Landlocked salmon mean length, weight and condition was 416 ± 7 mm, 656 ± 35 g, and 0.88 ± 0.02 , respectively.

Based on our trapnet survey, we estimated that 5,333 (3,810-8,883) adult, mature lake trout (1.47 /acre) were present in Cold Stream Pond in 2002 (Figure 1.). Based on earlier estimates of adult lake trout numbers, size and condition of lake trout remained desirable at densities of 0.50 to 0.75 fish/acre. As the population expanded above those levels, size and condition become less desirable.

Supported by the larger numbers of lake trout on the spawning beds in the fall of 2002, and the decline in lake trout and landlocked salmon growth and condition, we proposed an emergency regulation to reduce lake trout numbers. In December 2002, the IF&W Commissioner's Advisory Council accepted a proposal to augment the harvest of lake trout by increasing the bag limit to 5 fish and decreasing the length limit to 14-in., and the number of lines permitted was increased from 2 to 5 in the winter fishery. Anglers were agreeable to the more liberal harvest opportunity at Cold Stream for lake trout, and responded by coming to Cold Stream and harvesting surplus lake trout. In an additional effort to decrease pressure on the primary forage (smelts), we reduced the number of landlocked salmon stocked by 66% (1,500 to 500) beginning in 2004. A reduction in salmon numbers can have a dramatic impact of smelt abundance in a relatively short period of time.

Catch rate data showed that there were fewer salmon available to anglers following the stocking reduction (Table 2). In 2000, the catch rate for landlocked salmon was 0.16 salmon/angler day, falling to 0.03 salmon/day by 2006, when salmon stocked at the reduced rate became fully integrated into the fishery.

Lengths and weights taken from angled salmon during the 2006 ice-fishing season demonstrated an increase in both size and condition following the stocking reduction. In 2000, the mean length, weight and condition of salmon checked by clerks was 425 ± 7 mm, 641 ± 32 g, and 0.825 ± 0.02 , respectively. By 2006, mean salmon length, weight and condition had improved to 486 ± 40 mm, 1205 ± 306 g, and 0.992 ± 0.02 (Table 2.).

By the fall of 2006, lake trout size and condition had improved to an acceptable level. The mean length had increased 39 mm from 466mm to 505mm and the mean weight had increased from 760 g to 1189 g. Condition was much improved from 0.073 ± 0.01 to 0.91 ± 0.02 (Table 3.).

Conclusions

- Lake trout and landlocked salmon growth problems effectively addressed through liberalized LKT regulations (5 LKT at 14") and LLS stocking reductions (1500 to 500 SY LLS/year).
- Landlocked salmon catch rates declined dramatically as a result, but resultant size and condition improvements mitigated the lower LLS catch rates satisfactorily.
- Returns of fall yearling (FY) brook trout exceptional, increasing catch rates from 0.03 BKT/angler day in 2004 to 0.50 BKT/angler day in 2005.

Recommendations

1. Stock West Grand strain landlocked salmon at a rate of 0.15 to 0.35 LLS/surface acre (544-1270) annually. Rate should increase slowly as forage (smelt population) improves.
2. Continue to stock fall yearling brook trout at a rate of 0.35 to 0.5 BKT/surface acre (1270-1814).
3. Continue to monitor landlocked salmon and lake trout growth rates by trapnetting at Webb Cove and in the outlet area.
4. Conduct clerk creel surveys on a regular schedule to ascertain angler effort and harvest.

Acknowledgments

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References

Bond, L.H. and DeRoche, S.E. 1955. The Lake Trout of Cold Stream Pond, Enfield, Maine. Transactions of the American Fisheries Society 85:257-270.

Bond, L.H. and DeRoche, S.E. 1956. Landlocked Salmon and Brook Trout of Cold Stream Drainage, Penobscot County, Maine. Me. Dept. of Inland Fisheries and Game. F-5-R, 23p.

Kramer, G.N. 1991. Cold Stream Pond Progress Report No.1. (1980-1990) Maine Department of Inland Fisheries and Wildlife. F-104, 31pp.

Statistical Analysis Software (SAS). Cary, North Carolina: SAS Institute, Inc.

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CREEL SURVEY DESCRIPTION

Table: _1_____

Season: _Ice_____

Water Surveyed: _Cold Stream Pond_

Acres: _3628_ **Miles:** _____

Water type: _Oligotrophic_____

Town: _Enfield_____

County: Penobscot_____

Principal fisheries: Brook trout, lake trout and landlocked salmon_____

Year	Date	No. days surveyed	No. days in season	Clerk	Vol.	Other
2000	1/1 to 3/31	28	91	X		
2002	1/1 to 3/31	22	90	X		
2003	1/1 to 3/31	21	90	X		
2004	1/1 to 3/31	22	91	X		
2005	1/1 to 3/31	25	90	X		
2006	1/1 to 3/31	24	90	X		

Year	Stocking history				Mark or clip	Regulation history
2000	BKT	1000	SY	7.2/lb.	RV	Open per class B. 2 lines per person. Daily bag limit on salmon: 1 fish; lake trout: 2 fish; brook trout: 2 fish. Minimum length limit on togue, 1 togue must be greater than 18 inches and 1 togue must be between 14 and 18 inches. Minimum length limit on salmon 14", brook trout 6". Closed to night fishing.
	BKT	50	AD	2.5/lb.	NONE	
	LLS	1500	SY	6.6/lb.	RV	
2001	BKT	2000	FF	18.7/lb.	AD	Open per class B. 2 lines per person. Daily bag limit on salmon: 1 fish; daily bag limit on togue: 3 fish; daily bag limit on brook trout: 2 fish. Minimum length limit on togue: 14", only 1 may exceed 18". Minimum length on salmon: 14". Closed to night fishing.
	BKT	1790	SY	5.1/lb.	AD	
	LLS	1000	SY	6.6/lb.	AD	
2002	BKT	1000	SY	8.6/lb.	LV,AD	Open per class B. 2 lines per person. Daily bag limit on salmon: 1 fish; daily bag limit on togue: 3 fish; daily bag limit on brook trout: 2 fish. Minimum length limit on togue: 14", only 1 may exceed 18". Minimum length on salmon: 14". Closed to night fishing.
	LLS	1500	SY	8.1/lb.	LV	
2003	BKT	1500	SY	3.2/lb.	BV	Open per class B. 5 lines per person. Daily bag limit on salmon: 1 fish; daily bag limit on brook trout: 2 fish; daily bag limit on togue: 5 fish. Minimum length limit on togue: 14", minimum length limit on salmon: 14", minimum length limit on brook trout: 6". 8 fish aggregate (1 salmon, 5 togue, 2 brook trout). Closed to night fishing. No size or length limit on bass.
	LLS	1500	SY	6.7/lb.	BV	
2004	BKT	1500	SY	6.6/lb.	RV	Open per class B. 5 lines per person. Daily bag limit on salmon: 1 fish; daily bag limit on brook trout: 2 fish; daily bag limit on togue: 5 fish. Minimum length limit on togue: 14", minimum length limit on salmon: 14", minimum length limit on brook trout: 6". 8 fish aggregate (1 salmon, 5 togue, 2 brook trout). Closed to night fishing. No size or length limit on bass.
	BKT	1703	FY	0.6/lb.	NONE	
	LLS	500	SY	6.8/lb.	RV	
2005	BKT	1500	SY	4.9/lb.	AD	Open per class B. 5 lines per person. Daily bag limit on salmon: 1 fish; daily bag limit on brook trout: 2 fish; daily bag limit on togue: 5 fish. Minimum length limit on togue: 14", minimum length limit on salmon: 14", minimum length limit on brook trout: 6". 8 fish aggregate (1 salmon, 5 togue, 2 brook trout). Closed to night fishing. No size or length limit on bass.
	BKT	1555	FY	0.7/lb.	NONE	
	LLS	500	SY	9.4/lb.	AD	
Remarks:						

CREEL SURVEY SUMMARY

Table: 2

Season: Ice

Water: Cold Stream Pond

Acres: 3628

Miles: _____

Town: Enfield

County: Penobscot

Region: F

Principal fisheries: Landlocked salmon, lake trout and brook trout

Survey method: Clerk

Statistics	Species	2000	2002	2003	2004	2005	2006
No. anglers surveyed		755	512	1224	669	995	593
No. angler hours		3671	2478	5581	3093	4573	2935
No anglers (and %) successful in catching a legal fish		156 (21%)	106 (21%)	279 (23%)	162 (24%)	280 (28%)	133 (22%)
No. legal fish kept	BKT LKT LLS	7 76 70	5 83 14	3 318 57	9 97 49	215 63 48	120 33 12
No. legal fish released	BKT LKT LLS	0 23 20	0 24 16	1 36 31	1 2 18	120 9 7	43 2 1
No. (%) sublegal fish released	BKT LKT LLS	0 10 35	0 1 2	0 20 84	1 3 40	0 1 13	0 1 6
No legal fish per angler (only those kept)	BKT LKT LLS	0.01 (0.01) 0.21 (0.14) 0.16 (0.13)	0.01 (0.01) 0.31 (0.25) 0.03 (0.02)	0.01 (0.00) 0.49 (0.46) 0.12 (0.09)	0.03 (0.02) 0.30 (0.30) 0.21 (0.15)	0.50 (0.30) 0.16 (0.16) 0.11 (0.10)	0.25 (0.20) 0.07 (0.06) 0.03 (0.02)

Statistics	Species	2000	2002	2003	2004	2005	2006
Hours to catch a legal fish (all legal fish caught)	BKT	524.4	497.4	1394.6	309.3	13.7	18.0
	LKT	37.1	23.2	15.7	31.2	63.5	83.9
	LLS	40.8	82.9	63.4	46.2	83.1	225.8
Mean length in mm ± SE (and no.) fish sampled or reported	BKT	415±10 (3)	175 (1)	230 (1)	297 (2)	391±3 (149)	381±5 (34)
	LKT	500±7 (53)	468±6 (59)	445±3 (224)	468±6 (63)	493±10 (52)	497±11 (18)
	LLS	425±7 (45)	415±6 (10)	400±4 (39)	413±4 (29)	465±9 (38)	486±40 (4)
Mean weight in g. ± SE (and no.) fish sampled or reported	BKT	617±73 (3)	20 (1)	100 (1)	240 (1)	709±18 (145)	740±42 (32)
	LKT	1007±47 (53)	771±35 (49)	705±15 (210)	813±32 (59)	1107±108 (49)	1089±61 (17)
	LLS	641±32 (43)	511±23 (9)	537±16 (39)	578±21 (27)	974±56 (28)	1205±306 (4)
No. (and %) hatchery fish sampled or reported	BKT	100	100	100	100	100	100
	LKT	0	0	0	0	0	0
	LLS	92	80	93	100	94	100
Estimated total fish harvested ± CI (@95%) during survey period	BKT	22±9	25±13	17±5	13±7	820±235	316±113
	LKT	305±120	326±165	1302±347	337±175	437±125	110±40
	LLS	284±111	28±14	260±69	27±14	273±78	47±17
Estimated total angler days ± CI (@95%) during survey period		2182±857	1322±670	2825±752	1346±701	2734±784	1578±567

Table 3. Mean length (mm), weight (g) and condition (Fulton's K) of lake trout from trapnets, Cold Stream Pond from 1988 to 2006.

YEAR	Sample Size	Mean length (\pmse)	Mean weight (\pmse)	Mean condition (\pmse)
1988	285	538 \pm 3	1406 \pm 79	0.88 \pm 0.01
1992	141	485 \pm 4	953 \pm 75	0.81 \pm 0.01
1995	365	541 \pm 3	1542 \pm 28	0.91 \pm 0.01
1999	336	523 \pm 3	1225 \pm 29	0.82 \pm 0.01
2002	350	466 \pm 2	760 \pm 16	0.73 \pm 0.01
2003	39	452 \pm 5	704 \pm 25	0.75 \pm 0.01
2004	52	471 \pm 7	952 \pm 54	0.88 \pm 0.01
2005	9	495 \pm 8	986 \pm 49	0.81 \pm 0.02
2006	41	505 \pm 5	1189 \pm 45	0.91 \pm 0.02

Note: In 2003, 2004 and 2005, otter were identified as a major source of predation on fish in the trapnets. We believe that otter were responsible for dissuading all species from the trapnets in Webb Cove. Two otter were killed in the trapnets, one in 2004 and one in 2005.

Table 4. Lake trout population estimates from fall trapnetting at Webb Cove, Cold Stream Pond, Maine.

YEAR	DATES	# TRAPPED	ESTIMATE	LOWER @ 95%	UPPER @ 95%	#/ACRE
1988	10/12 to 10/25	299	1,374	941	2,544	0.38
1992	10/14 to 11/02	139	2,181	959	7,979	0.60
1999	10/21 to 10/29	350	2,847	1,794	6,884	0.78
2002	10/18 to 11/06	361	5,333	3,810	8,883	1.47

Table 5. Landlocked salmon length (mm), weight (g) and condition (Fulton's K) by age, Cold Stream Pond, Maine.

YEAR		I+	II+	III+	IV+	V+	ALL
2002	Length±se	321	409±5	443±10			416±7
	(n)	(2)	(9)	(10)			(30)
	Weight±se	230	586±27	813±42			656±35
	Condition±se	0.69	0.85±0.03	0.93±0.02			0.88±0.02
2003	Length±se		396	446	498		426±11
	(n)		(2)	(1)	(1)		(9)
	Weight±se		545	550	1000		638±50
	Condition±se		0.88	0.62	0.81		0.82±0.04
2004	Length±se		461±11	540	473		477±8
	(n)		(11)	(1)	(1)		(20)
	Weight±se		1047±64	1300	1250		1144±50
	Condition±se		1.08±0.02	0.83	1.18		1.05±0.02
2005	Length±se		510±7	542±20	566±12		525±8
	(n)		(15)	(8)	(3)		(28)
	Weight±se		1398±67	1816±210	1983±160		1592±87
	Condition±se		1.04±0.03	1.10±0.03	1.09±0.06		1.07±0.02
2006	Length±se	367±5	514±4	568±10	581±13	596±13	504±6
	(n)	(26)	(93)	(12)	(21)	(3)	(187)
	Weight±se	447±17	1352±29	1890±94	2064±105	2203±172	1362±44
	Condition±se	0.89±0.01	0.98±0.01	1.03±0.04	1.04±0.02	1.04±0.02	0.98±0.01

Appendix 1. Landlocked salmon stocking since 1980, Cold Stream Pond, Maine.

YEAR	NUMBER STOCKED	FISH/LB.	MARK	#/ACRE	LBS. STOCKED	LBS/ACRE	STRAIN
1980	7250	7.9	RV	2.00	918	0.25	West Grand
1981	5000	11.5	Ad	1.38	435	0.12	West Grand
1982	3500	8.8	LV	0.96	398	0.11	West Grand
1983*	3500	7.7	BV	0.96	455	0.13	West Grand
1984	3500	6.4	RV	0.96	547	0.15	West Grand
1985	3500	9.4	Ad	0.96	372	0.10	West Grand
1986	3000	5.3	LV	0.83	566	0.16	West Grand
1987	3500	6.1	BV	0.96	574	0.16	West Grand
1988	3500	8.1	RV	0.96	432	0.12	West Grand
1989	3500	9.1	Ad	0.96	385	0.11	West Grand
1990	3500	6.9	LV	0.96	507	0.14	West Grand
1991	3000	10.0	BV	0.83	300	0.08	West Grand
1992	1500	9.7	RV	0.41	155	0.04	West Grand
1993	1500	7.5	Ad	0.41	200	0.06	West Grand
1994	1000	5.6	LV	0.28	179	0.05	West Grand
1995	1500	8.8	BV	0.41	170	0.05	West Grand
1996	1500	9.6	RV	0.41	156	0.04	West Grand
1997	1500	5.0	Ad	0.41	300	0.08	West Grand
1998	1500	11.0	LV	0.41	136	0.04	West Grand
1999	1500	5.8	BV	0.41	259	0.07	West Grand
2000	1500	6.6	RV	0.41	227	0.06	West Grand
2001	1000	6.6	Ad	0.28	152	0.04	West Grand
2002	1500	8.1	LV	0.41	185	0.05	West Grand
2003	1500	6.7	BV	0.41	224	0.06	West Grand
2004	500	6.8	RV	0.14	74	0.02	West Grand
2005	500	9.4	Ad	0.14	53	0.01	West Grand
2006	500	5.1	LV	0.14	98	0.03	West Grand

* An additional 82 retired brood stocked at 0.3/lb (IV+ West Grand albino carriers)

Appendix 2. Brook trout stocking since 1999, Cold Stream Pond.

YEAR	NO. STOCKED	LBS. STOCKED	FISH/LB.	NO./ACRE	TYPE	MARK	STRAIN	COMMENTS
1999	1000	57	17.5	0.3	FF	BV	037	SOURDNAHUNK
1999	1500	686	2.2	0.4	SY	NO	021	MHS
1999	190	380	0.5	0.1	AD	NO	037	SOURDNAHUNK
1999	88	176	0.5	0.0	AD	NO	038	KENNEBAGO
2000	1000	138	7.2	0.3	SY	RV	037	SOURDNAHUNK
2000	50	19.8	2.5	0.0	AD	NO	021	MHS
2001	2000	107.2	18.7	0.6	FF	AD	037	SOURDNAHUNK
2001	290	40	7.3	0.1	SY	AD	037	SOURDNAHUNK
2001	625	284	2.2	0.2	SY	AD	021	MHS
2001	875	130	6.7	0.2	SY	AD	037	SOURDNAHUNK
2002	1000	116	8.6	0.3	SY	LV, AD	037	SOURDNAHUNK
2003	750	235.9	3.2	0.2	SY	BV	043	MHS X KENN
2003	750	235.9	3.2	0.2	SY	BV	043	MHS X KENN
2004	1500	227.1	6.6	0.4	SY	RV	038	KENNEBAGO
2004	200	358.4	0.6	0.1	FY	UN	042	KENN X MHS
2004	200	358.4	0.6	0.1	FY	UN	042	KENN X MHS
2004	510	913.8	0.6	0.1	FY	UN	042	KENN X MHS
2004	793	1421.5	0.6	0.2	FY	UN	042	KENN X MHS
2005	1500	308.7	4.9	0.4	SY	AD	038	KENNEBAGO
2005	1555	2143.5	0.7	0.4	FY	UN	021	MHS
2006	1500	280.0	5.4	0.4	SY	LV	038	KENNEBAGO
2006	25000	19.4	1288.7	6.9	FRY	UNMK	042	KENN X MHS