

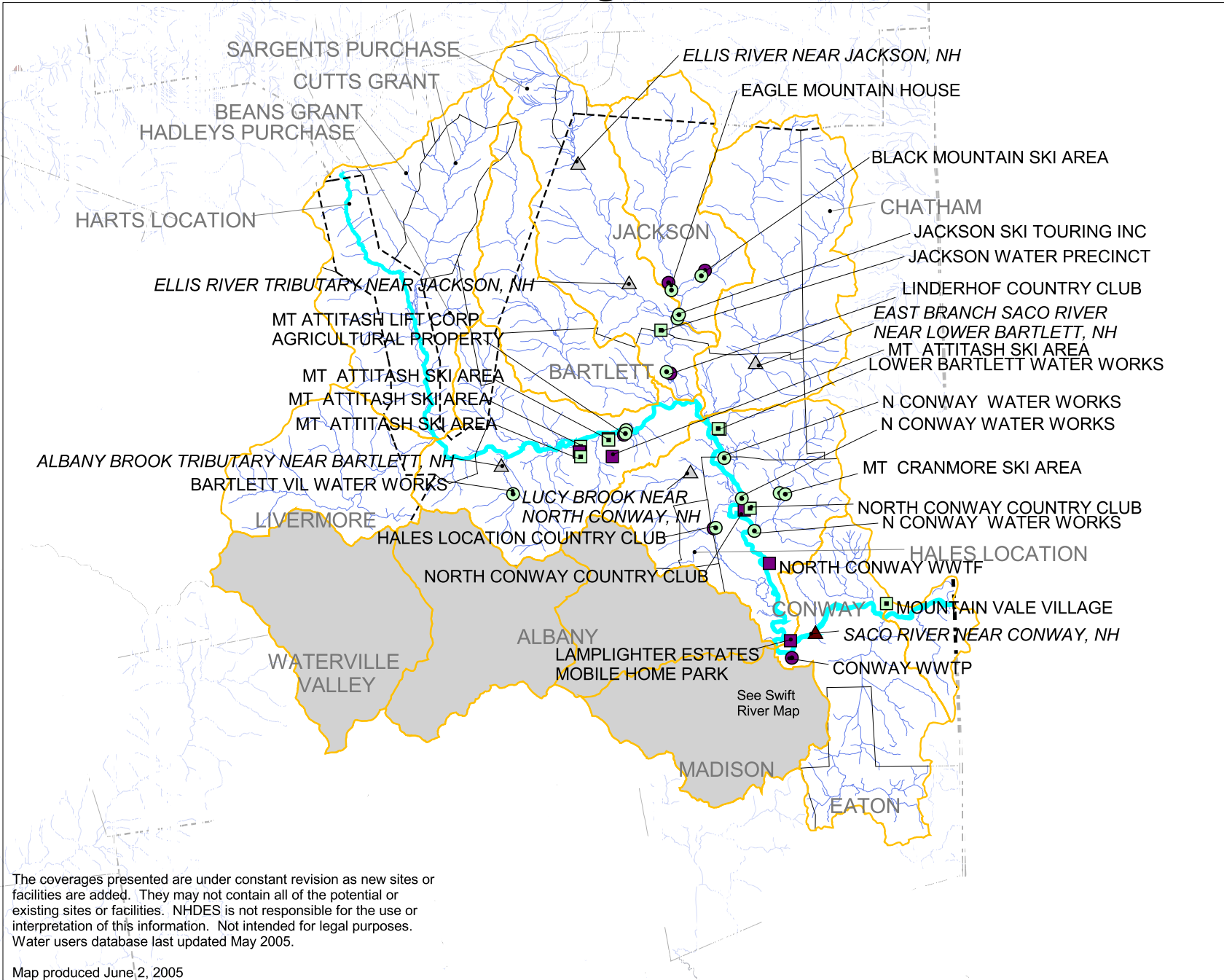
Saco Annual Water Use versus Stream Flow – Calendar Year 2004

Water use was reported for 18 sources and 2 returns in the Saco Water Management Planning Area. All registered water users in the Water Management Planning Area were used in this assessment. The Saco Water Management Planning Area includes the Swift Water Management Planning Area, which has been described in detail separately. The Swift includes two water supply facilities and a gravel mining operation that use five sources and have no registered, measured returns. The Water Management Planning Area has no hydroelectric facilities. Water use was highest during January, February and December for snowmaking despite the shutdown of operations in 2004 of two of the four ski operations: Attitash Bear Peak and Jackson Ski Touring. Four country clubs use water for golf course irrigation mainly from late spring through fall. Four water supplies withdraw water year-round. Two waste water treatment facilities discharge water in the Water Management Planning Area.

The beginning of the Designated River is the Saco Lake dam in Crawford Notch State Park. The Saco Designated River continues 29 miles to the New Hampshire/Maine state line in Conway. The Saco Water Management Planning Area covers 425 square miles and includes 114 square miles of the Swift Water Management Planning Area. The Saco WMPA includes a stream flow gage in Conway (USGS 01064500 Saco River near Conway, NH) that measures 385 square miles of the WMPA. For this report the streamflow was transposed areal from the gage to all impact points on the Designated River. The 2004 assessment resulted in no months when the river was not in compliance with the General Standard.

Saco Designated River	River Miles not in Compliance with General Standard (0 at the D/S end of the DR)	Length of River Miles not in Compliance with General Standard	Maximum value of Aggregate WU /Stream flow	2003 Months not in Compliance with the General Standard
January	--	--	0.87%	x
February	--	--	1.01%	--
March	--	--	0.25%	--
April	--	--	0.05%	--
May	--	--	0.09%	--
June	--	--	0.27%	--
July	--	--	0.38%	--
August	--	--	0.27%	--
September	--	--	0.16%	--
October	--	--	0.34%	--
November	--	--	0.11%	--
December	--	--	0.43%	--

Saco River Affected Water User Facilities: Source and Discharge Locations



Legend

- Affected Water Users**
 - Source
 - Discharge
- Water Users (outside 500ft of hydrology)**
 - Source
 - Discharge
- Stream Gages**
 - ▲ Active
 - △ Inactive
- Designated Reach**
 - Cyan line
- Hydrology**
 - Blue line
- County boundary**
 - - - Dashed line
- Town boundary**
 - Solid line
- WMPA**
 - Yellow outline



The coverages presented are under constant revision as new sites or facilities are added. They may not contain all of the potential or existing sites or facilities. NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes. Water users database last updated May 2005.

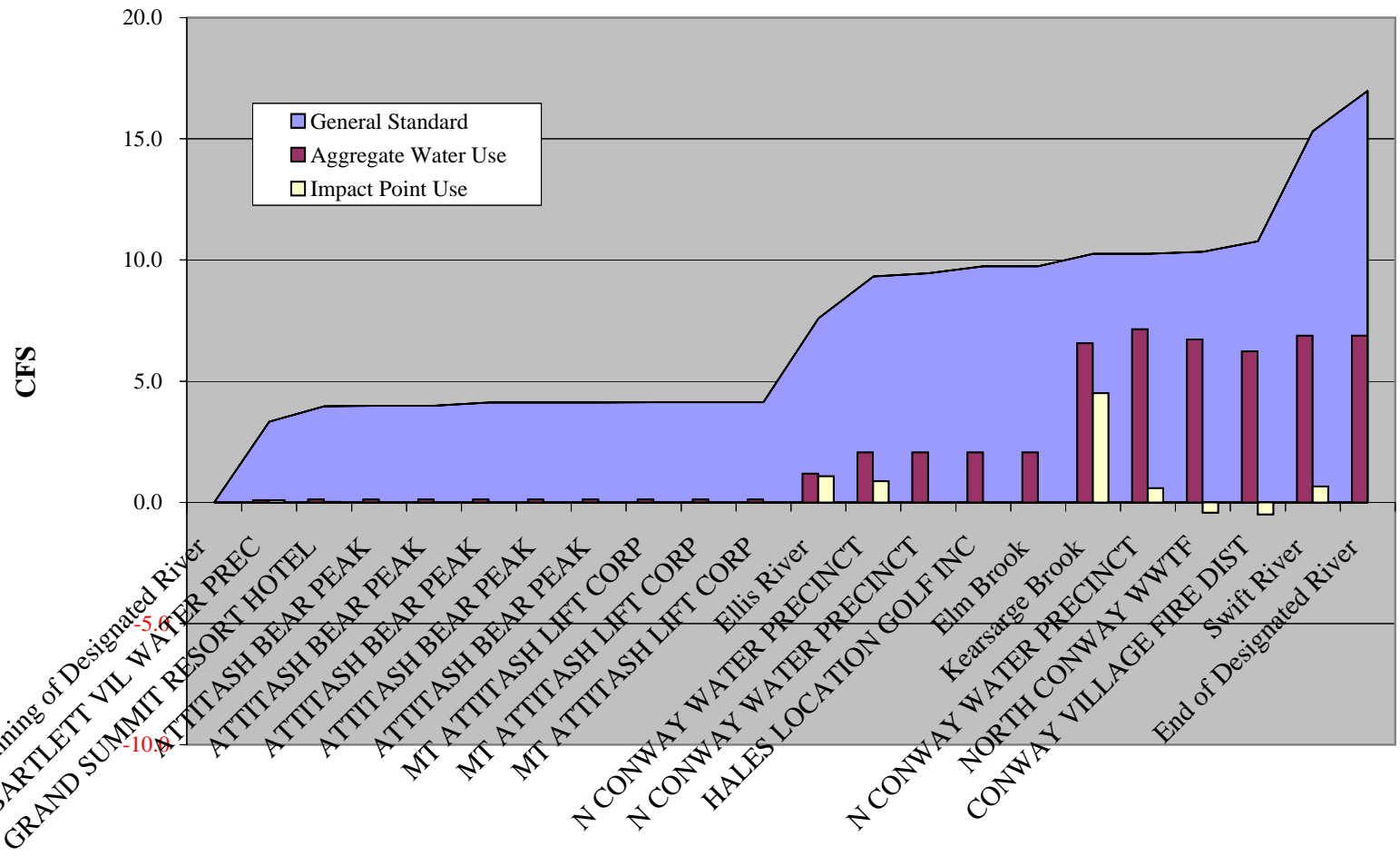
Map produced June 2, 2005

2004 Saco Water Use in CFS																	RIVERMILE
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Beginning of Designated River			0.1														
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.26	0.087	0.103	0.110	0.128	0.118	0.091	0.156	0.087	0.085	0.080	0.085	0.084		
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.077	0.024	0.031	0.024	0.017	0.029	0.033	0.037	0.047	0.031	0.023	0.012	0.021		
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-D02	99.077														
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-D01	99.077														
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S04	99.65														
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S03	99.65														
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S02	102.97														
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S01	102.97														
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-D01	102.97														
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S02	103.33														
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S01	103.33														
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-D01	103.33														
LINDERHOF COUNTRY CLUB	LINDERHOF COUNTRY CLUB	20727 20727-S01	189.74	0.000	0.000	0.000	0.000	0.129	0.189	0.226	0.205	0.111	0.000	0.000	0.000		
LINDERHOF COUNTRY CLUB	LINDERHOF COUNTRY CLUB	20727 20727-D01	189.74														
EAGLE MOUNTAIN HOUSE	EAGLE MOUNTAIN HOUSE	20720 20720-S01	189.74	0.000	0.000	0.000	0.000	0.011	0.019	0.024	0.030	0.025	0.007	0.000	0.000		
EAGLE MOUNTAIN HOUSE	EAGLE MOUNTAIN HOUSE	20720 20720-D01	189.74														
JACKSON SKI TOURING INC	JACKSON SKI TOURING INC	20638 20638-S02	189.74														
JACKSON SKI TOURING INC	JACKSON SKI TOURING INC	20638 20638-S01	189.74														
ALPINE RESOURCES CORP	BLACK MOUNTAIN SKI AREA	20410 20410-S01	189.74	0.973	0.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.873		
ALPINE RESOURCES CORP	BLACK MOUNTAIN SKI AREA	20410 20410-D01	189.74														
JACKSON WATER PRECINCT	WATER WORKS	20510 20510-S01	189.74	0.099	0.101	0.079	0.060	0.070	0.082	0.113	0.112	0.096	0.088	0.063	0.064		
Ellis River			189.74														
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.88	0.874	0.900	0.780	0.676	0.737	0.900	0.883	0.897	0.740	0.756	0.648	0.791		
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.29	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.049	0.029	0.016	0.017	0.004		
HALES LOCATION GOLF INC	HALES LOCATION COUNTRY CL	20719 20719-S01	243.61	0.000	0.000	0.000	0.007	0.047	0.129	0.087	0.071	0.056	0.048	0.000	0.000		
HALES LOCATION GOLF INC	HALES LOCATION COUNTRY CL	20719 20719-D01	243.61														
Elm Brook			243.61														
NORTH CONWAY COUNTRY CLUB	NORTH CONWAY COUNTRY CLUB	20254 20254-D01	243.89														
CRANMORE INC/LBO HOLDING	MT CRANMORE SKI AREA	20501 20501-S02	256.28	2.127	1.012	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.037		
CRANMORE INC/LBO HOLDING	MT CRANMORE SKI AREA	20501 20501-S01	256.28	2.377	0.966	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.037		
NORTH CONWAY COUNTRY CLUB	NORTH CONWAY COUNTRY CLUB	20254 20254-S01	256.28	0.000	0.000	0.000	0.000	0.075	0.064	0.090	0.057	0.039	0.007	0.000	0.000		
Kearsarge Brook			256.28														
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.39	0.582	0.452	0.368	0.379	0.502	0.644	0.714	0.669	0.633	0.592	0.605	0.676		
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.359	(0.424)	0	0	(0.438)	(0.570)	0	(0.669)	0	0	0	0	0		
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	269.35	(0.493)	(0.320)	(0.364)	(0.562)	(0.486)	(0.419)	(0.376)	(0.341)	(0.376)	(0.350)	(0.321)	(0.450)		
Swift River			382.80	0.655	0.650	0.610	0.852	0.900	1.188	0.816	1.042	0.971	0.896	0.985	0.681		
End of Designated River			424.60														
2004 Saco Aggregate Water Use in CFS																	RIVERMILE
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
Beginning of Designated River			0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.3	0.087	0.10	0.11	0.13	0.12	0.091	0.16	0.087	0.085	0.080	0.085	0.084		
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.1	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S04	99.7	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S03	99.7	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S02	103.0	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S01	103.0	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-D01	103.0	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S02	103.3	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S01	103.3	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-D01	103.3	0.11	0.13	0.13	0.15	0.15	0.12	0.19	0.13	0.12	0.10	0.10	0.10		
Ellis River			189.7	1.2	0.56	0.21	0.21	0.36	0.41	0.56	0.48	0.35	0.20	0.16	1.0		
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.9	2.1	1.5	1.0	0.88	1.1	1.3	1.4	1.4	1.1	1.0	0.81	1.8		
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.3	2.1	1.5	1.0	0.88	1.1	1.3	1.5	1.4	1.1	1.0	0.82	1.8		
HALES LOCATION GOLF INC	HALES LOCATION COUNTRY CL	20719 20719-S01	243.6	2.1	1.5	1.0	0.89	1.1	1.4	1.5	1.5	1.2	1.0	0.82	1.8		
Elm Brook			243.6	2.1	1.5	1.0	0.89	1.1	1.4	1.5	1.5	1.2	1.0	0.82	1.8		
Kearsarge Brook			256.3	6.6	3.4	1.1	0.89	1.2	1.5	1.6	1.6	1.2	1.0	0.82	5.9		
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.4	7.1	3.9	1.5	1.3	1.7	2.2	2.4	2.2	1.8	1.6	1.4	6.6		
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.4	6.7	3.9	1.5	0.83	1.1	2.2	1.7	2.2	1.8	1.6	1.4	6.6		
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	269.3	6.2	3.6	1.1	0.27	0.66	1.7	1.3	1.9	1.5	1.3	1.1	6.1		
Swift River			382.8	6.9	4.2	1.7	1.1	1.6	2.9	2.1	2.9	2.4	2.2	2.1	6.8		

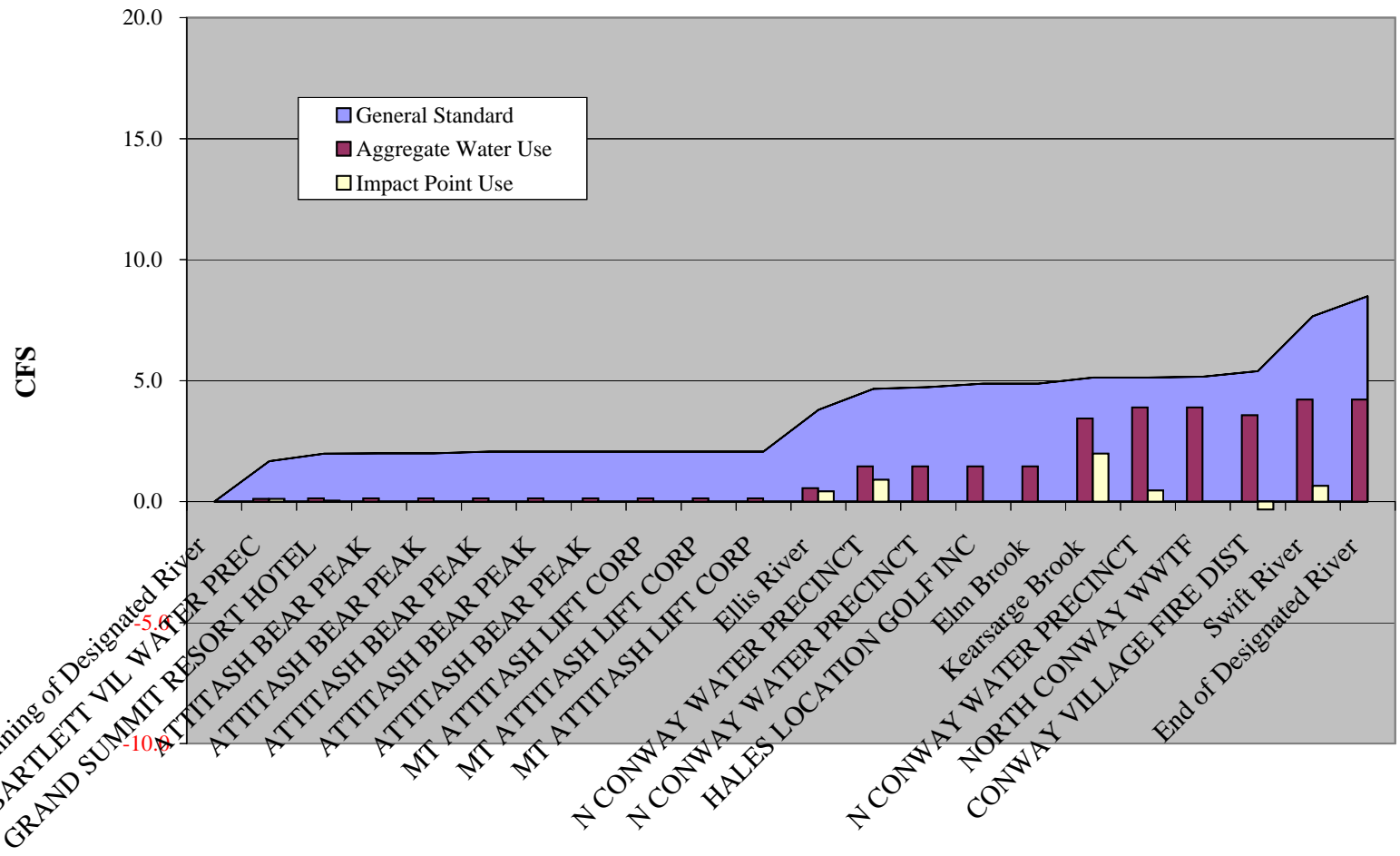
2004 Saco Estimated Monthly Margin of the Aggregate Water Use Below the General Standard in CFS

WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	RIVERMILE
Beginning of Designated River			0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.3	3.2	1.6	3.2	13.2	3.2	3.2	1.5	3.2	3.2	1.6	3.2	3.2	29.0
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.1	3.9	1.8	3.8	15.7	3.8	3.8	1.8	3.8	3.8	1.9	3.9	3.9	29.0
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S04	99.7	3.9	1.9	3.9	15.8	3.8	3.9	1.8	3.9	3.9	1.9	3.9	3.9	25.5
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S03	99.7	3.9	1.9	3.9	15.8	3.8	3.9	1.8	3.9	3.9	1.9	3.9	3.9	25.5
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S02	103.0	4.0	1.9	4.0	16.3	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	24.6
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-S01	103.0	4.0	1.9	4.0	16.3	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	24.6
ATTITASH BEAR PEAK	MT ATTITASH SKI AREA	20438 20438-D01	103.0	4.0	1.9	4.0	16.3	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	24.6
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S02	103.3	4.0	1.9	4.0	16.4	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	23.8
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-S01	103.3	4.0	1.9	4.0	16.4	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	23.8
MT ATTITASH LIFT CORP	AGRICULTURAL PROPERTY	20591 20591-D01	103.3	4.0	1.9	4.0	16.4	4.0	4.0	1.9	4.0	4.0	2.0	4.0	4.0	23.8
Ellis River			189.7	6.4	3.2	7.4	30.2	7.2	7.2	3.2	7.1	7.2	3.6	7.4	6.5	21.1
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.9	7.3	3.2	8.3	36.4	8.2	8.0	3.2	7.9	8.2	3.7	8.5	7.5	17.6
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.3	7.4	3.3	8.5	36.9	8.4	8.1	3.3	8.0	8.3	3.8	8.6	7.6	15.9
HALES LOCATION GOLF INC	HALES LOCATION COUNTRY CL	20719 20719-S01	243.6	7.7	3.4	8.8	38.1	8.6	8.3	3.3	8.2	8.6	3.9	8.9	7.9	15.7
Elm Brook			243.6	7.7	3.4	8.8	38.1	8.6	8.3	3.3	8.2	8.6	3.9	8.9	7.9	15.9
Kearsarge Brook			256.3	3.7	1.7	9.2	40.1	9.0	8.7	3.5	8.7	9.0	4.1	9.4	4.3	14.9
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.4	3.1	1.2	8.8	39.8	8.5	8.1	2.8	8.0	8.4	3.5	8.8	3.7	14.1
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.4	3.6	1.3	8.9	40.5	9.2	8.2	3.5	8.1	8.5	3.6	8.9	3.7	12.0
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	269.3	4.5	1.8	9.7	42.8	10.1	9.0	4.1	8.9	9.3	4.1	9.7	4.6	7.3
Swift River			382.8	8.4	3.4	13.6	60.1	13.8	12.4	5.5	12.4	12.9	5.5	13.2	8.5	14.5
End of Designated River	NH/ME border		424.6	10.1	4.3	15.3	66.8	15.4	14.1	6.4	14.1	14.5	6.3	14.9	10.2	0.0

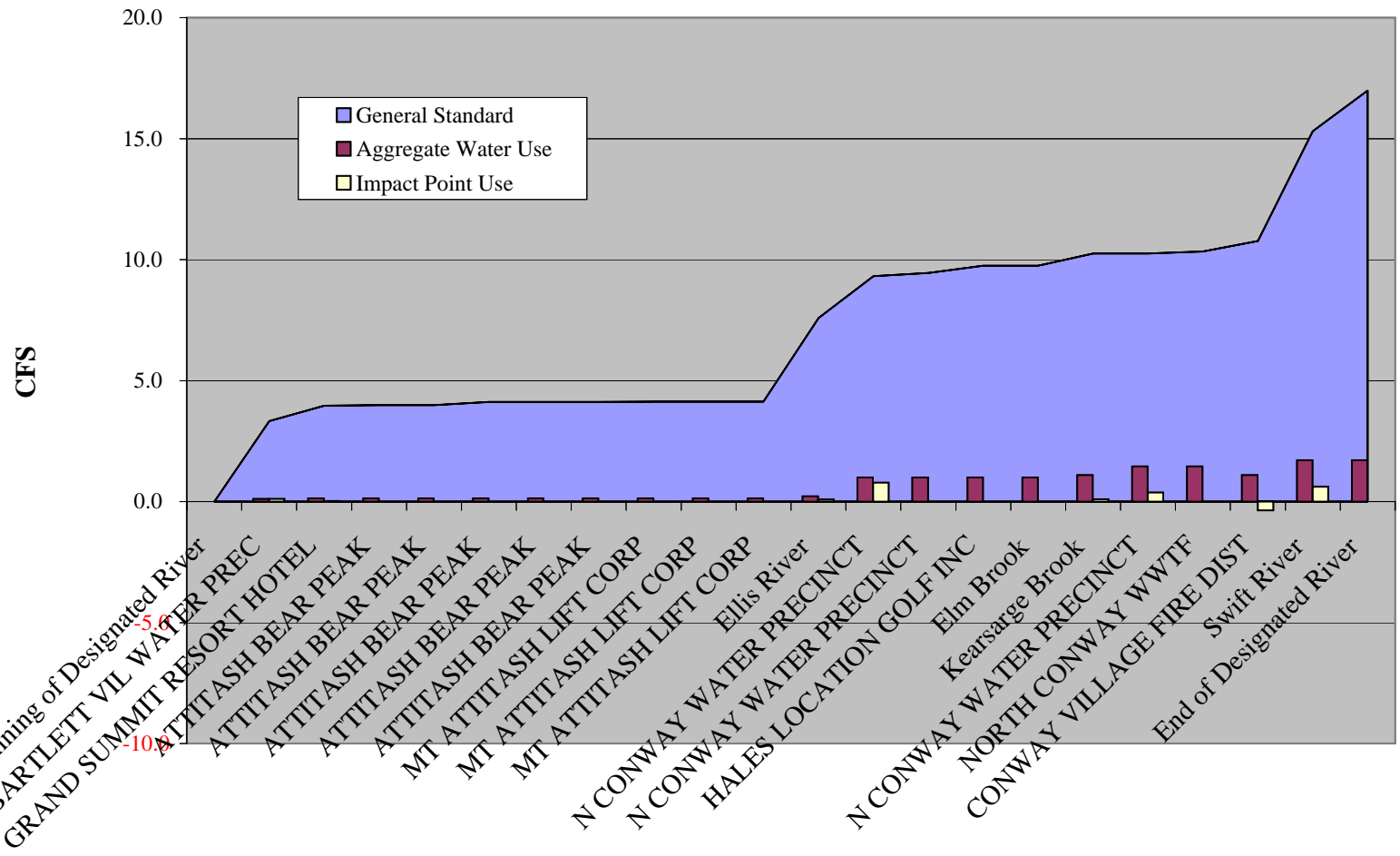
January 2004 Saco



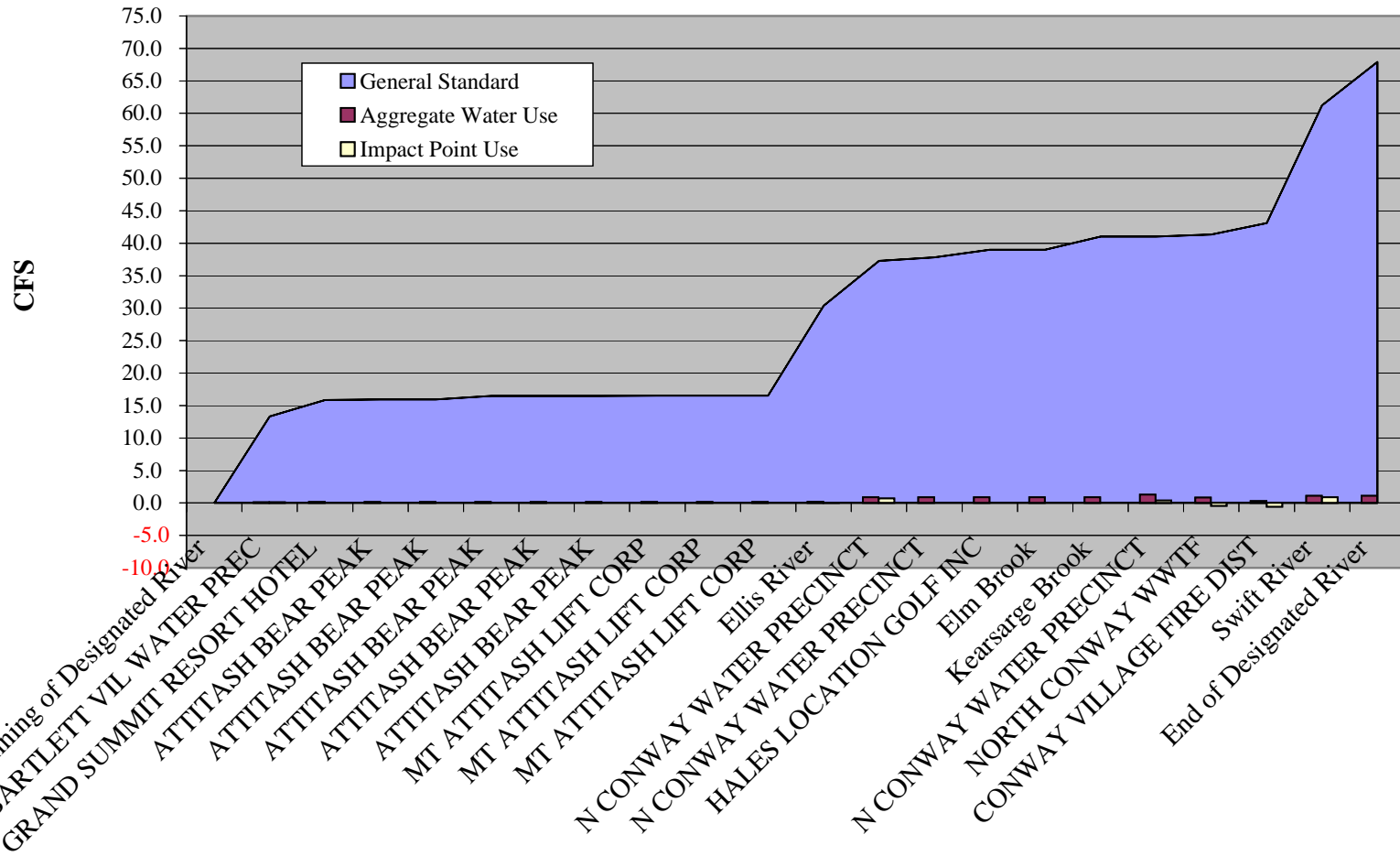
February 2004 Saco



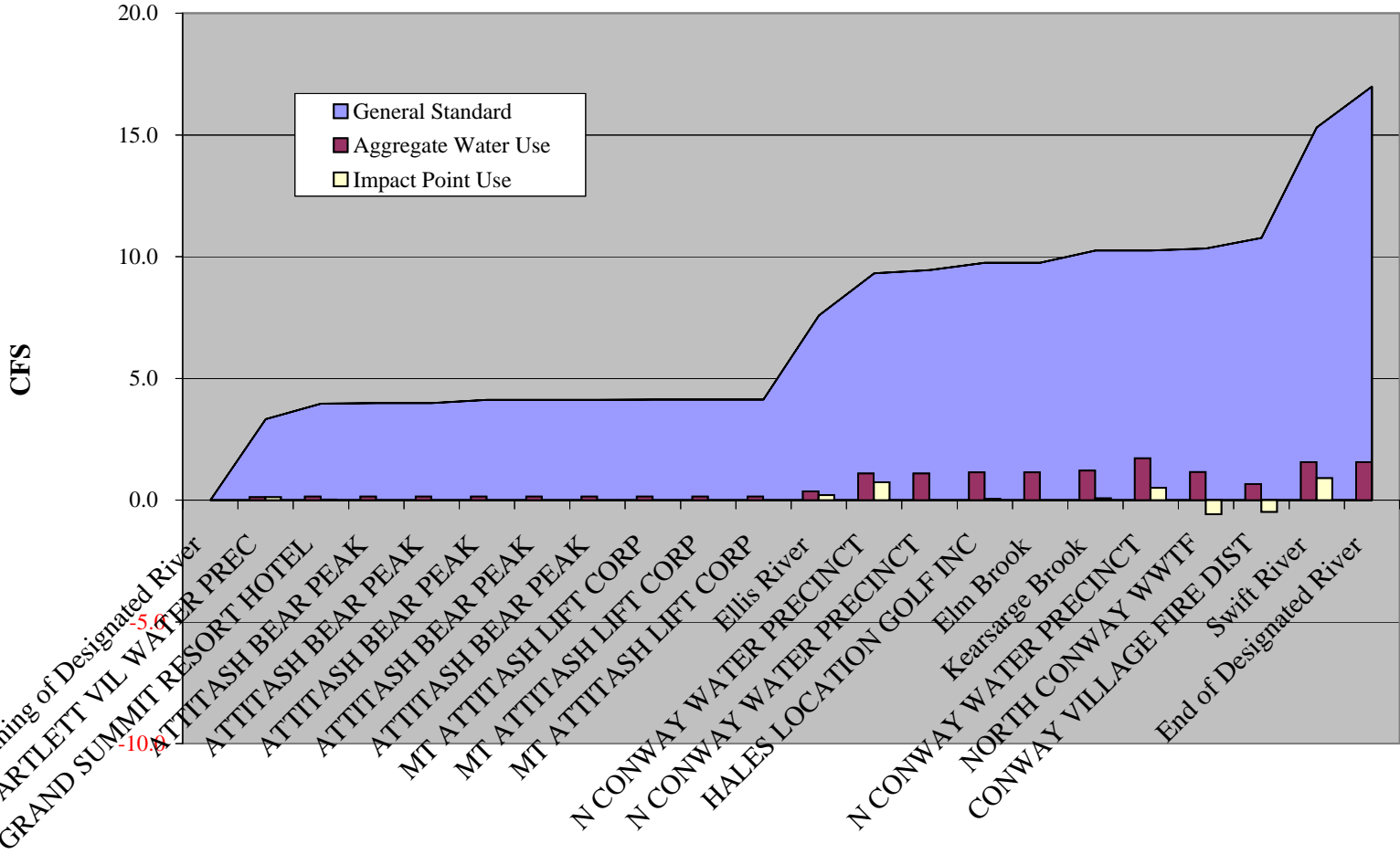
March 2004 Saco



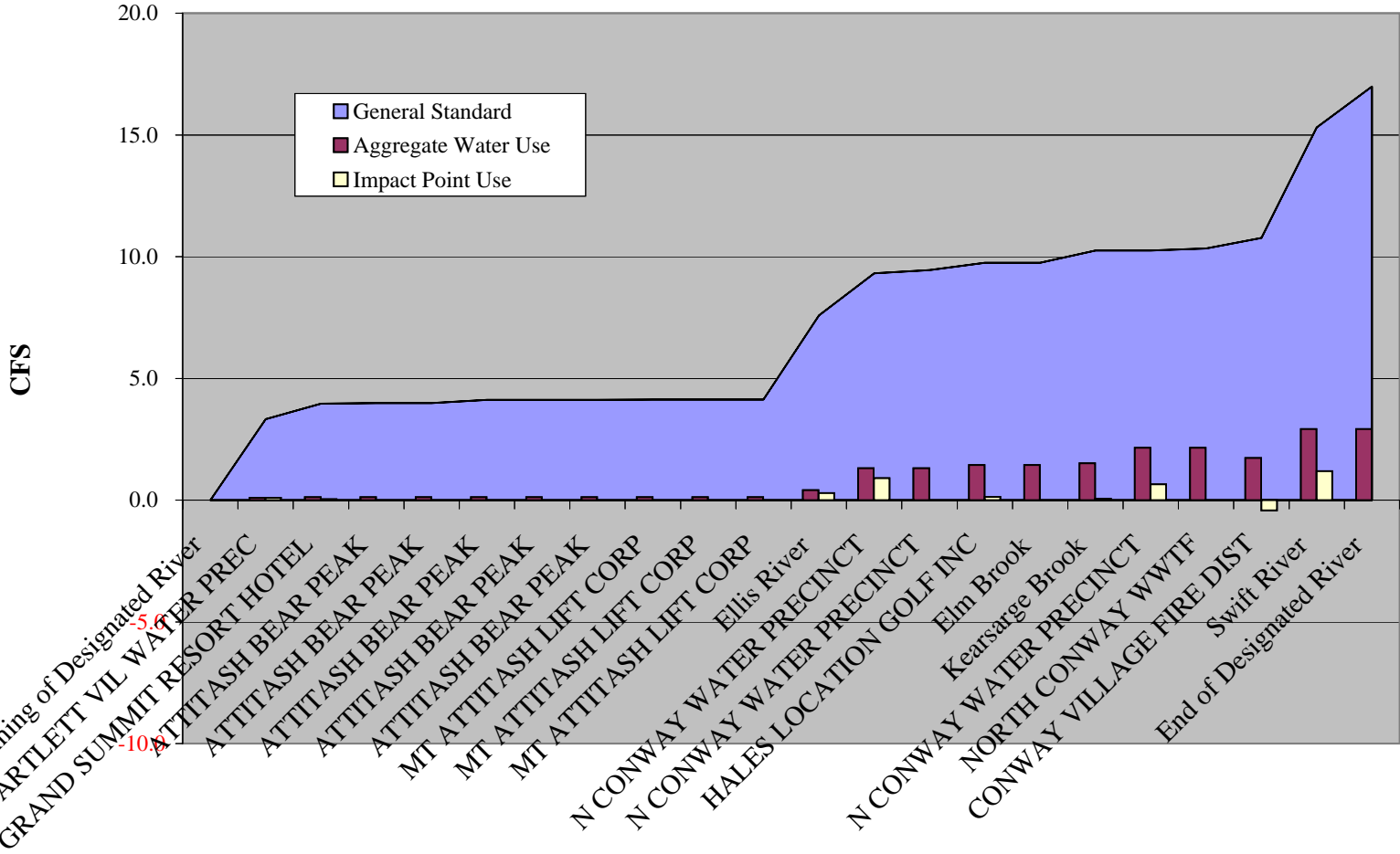
April 2004 Saco



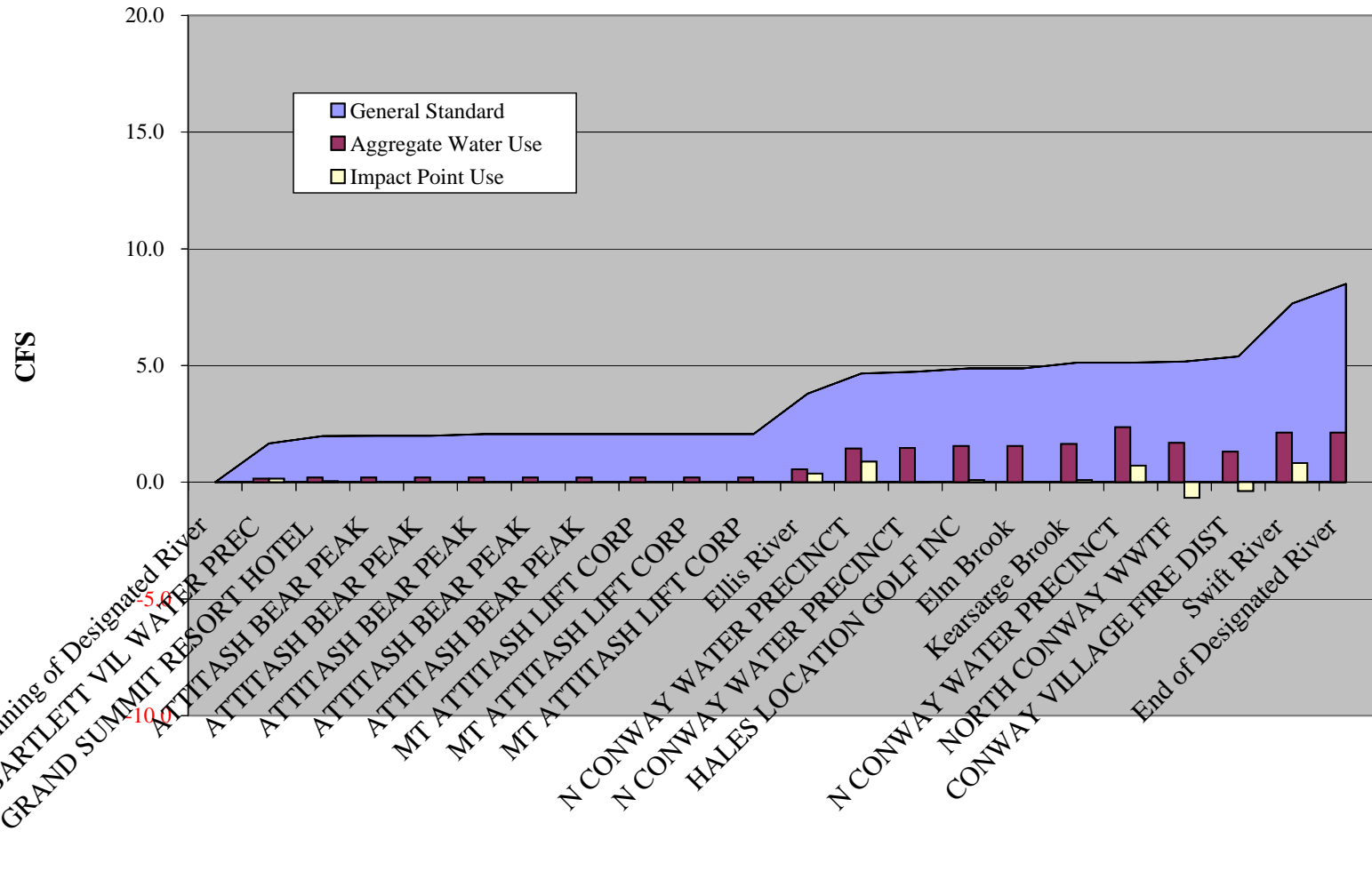
May 2004 Saco



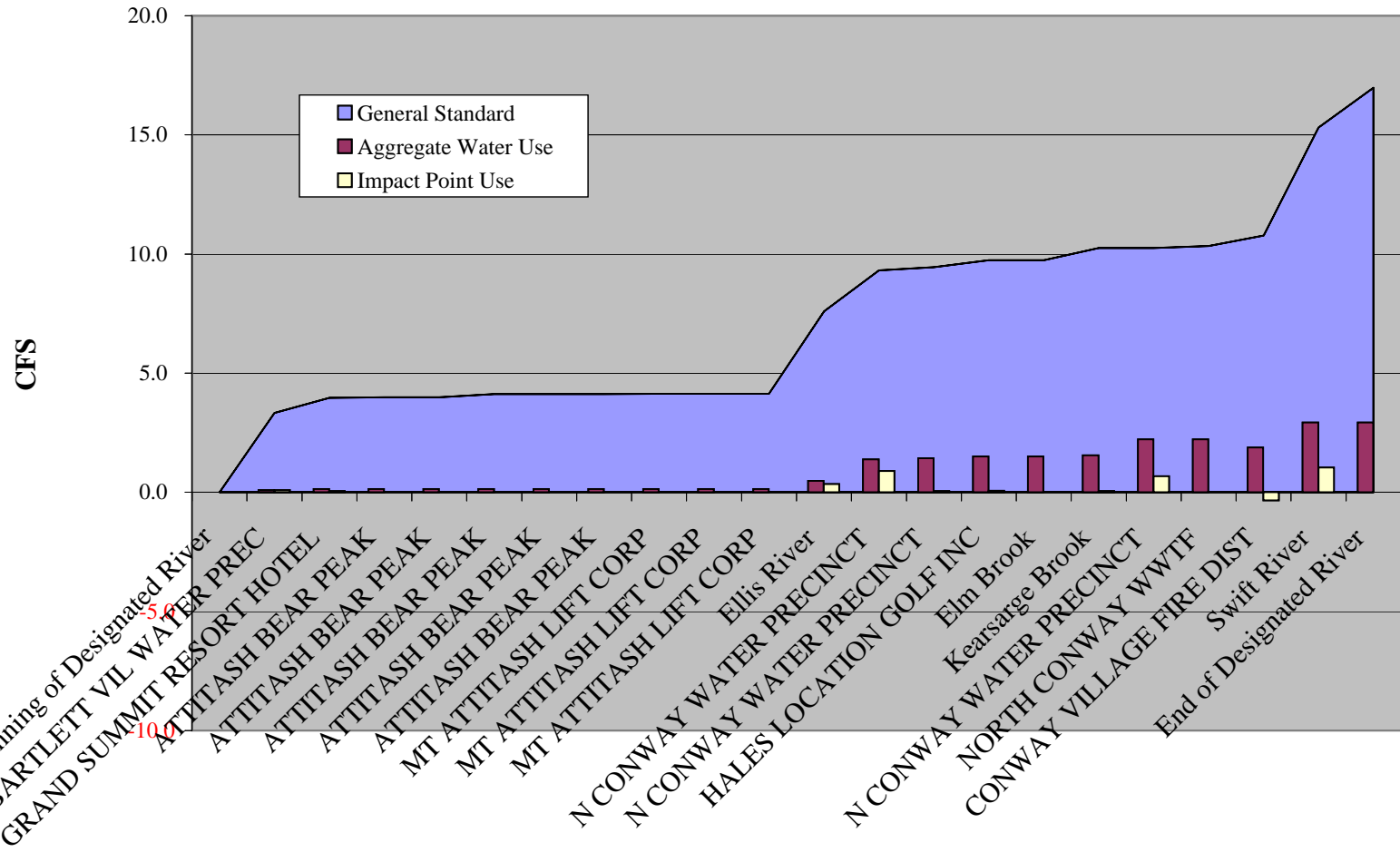
June 2004 Saco



July 2004 Saco

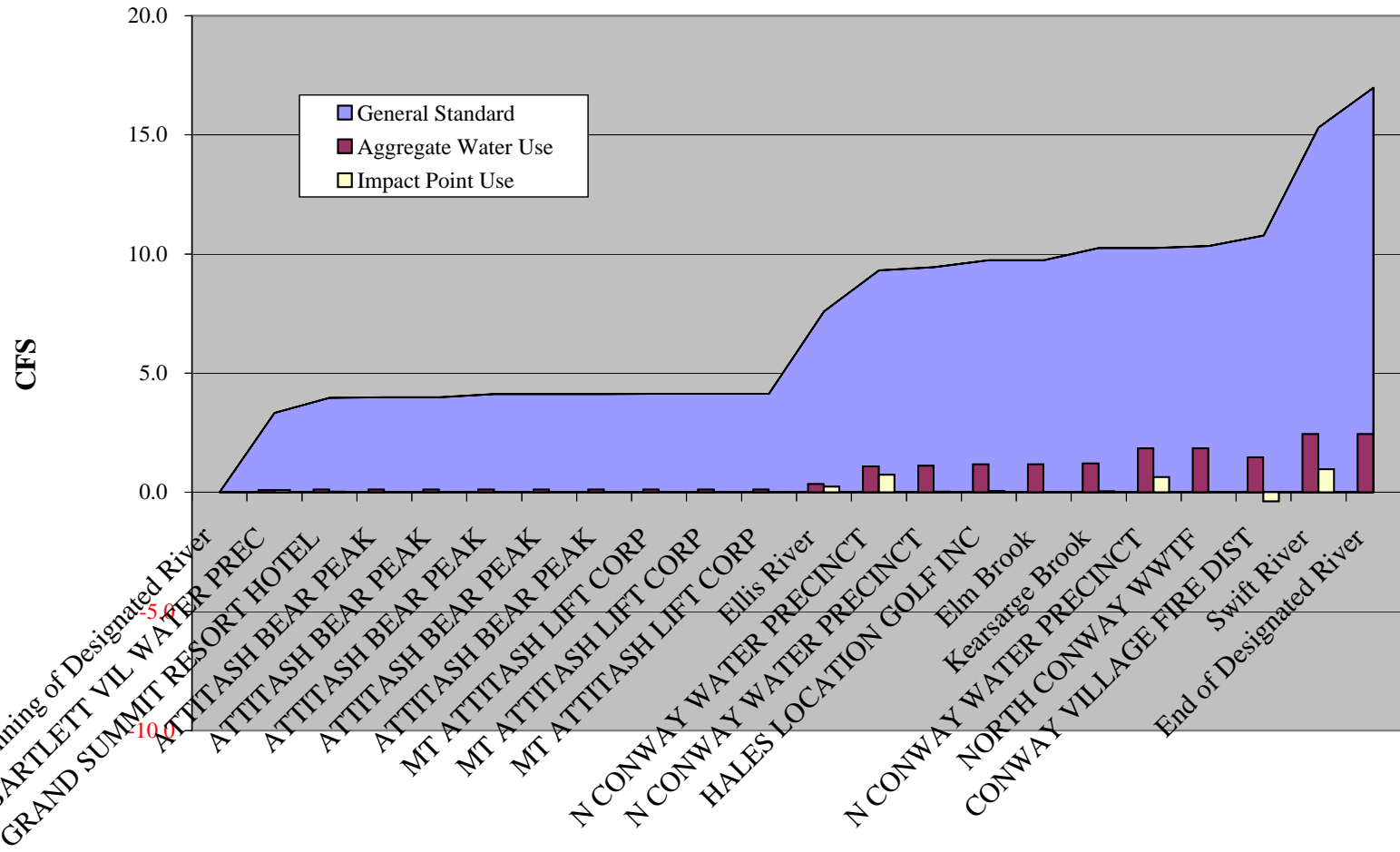


August 2004 Saco



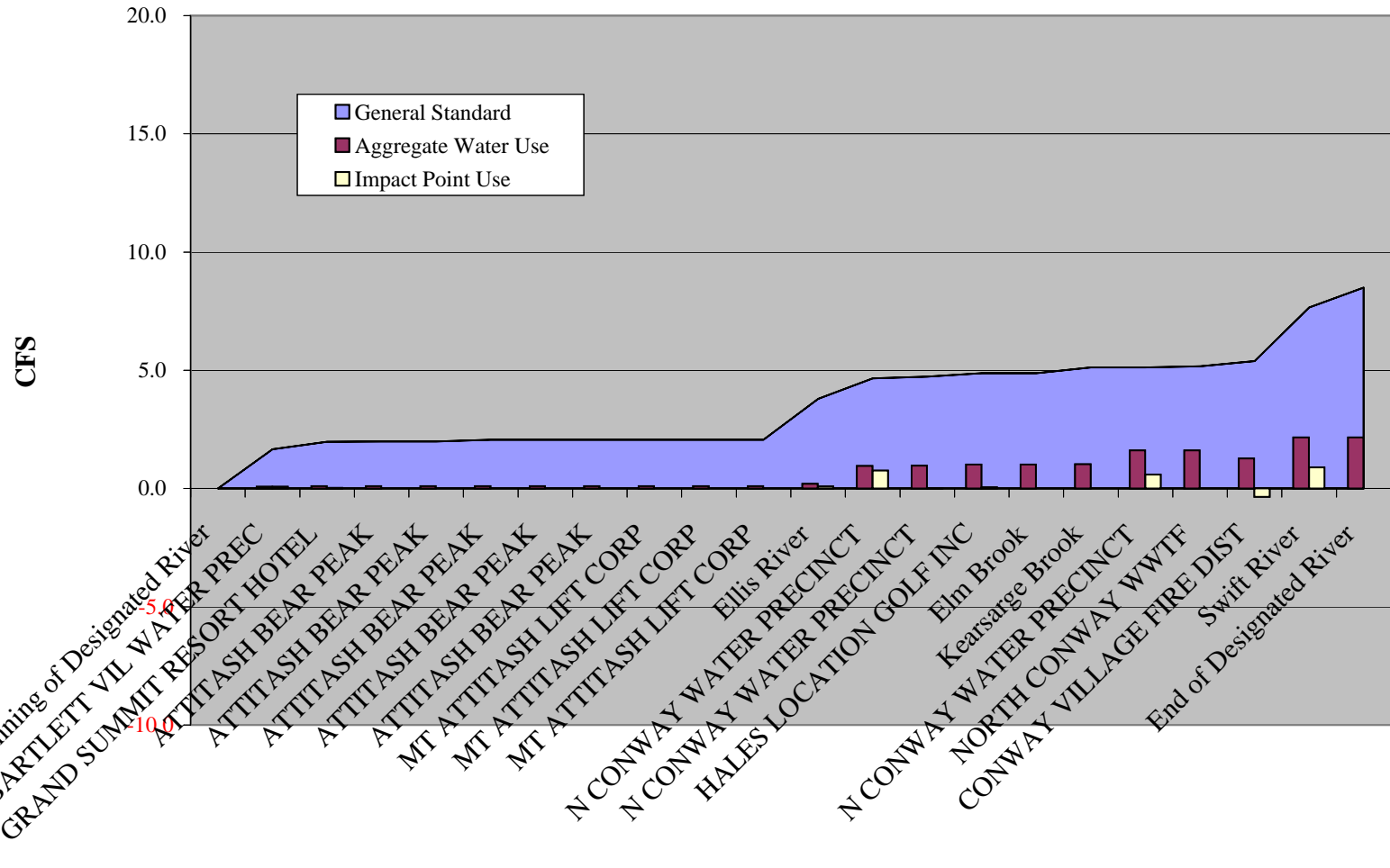
5.0
10.0

September 2004 Saco

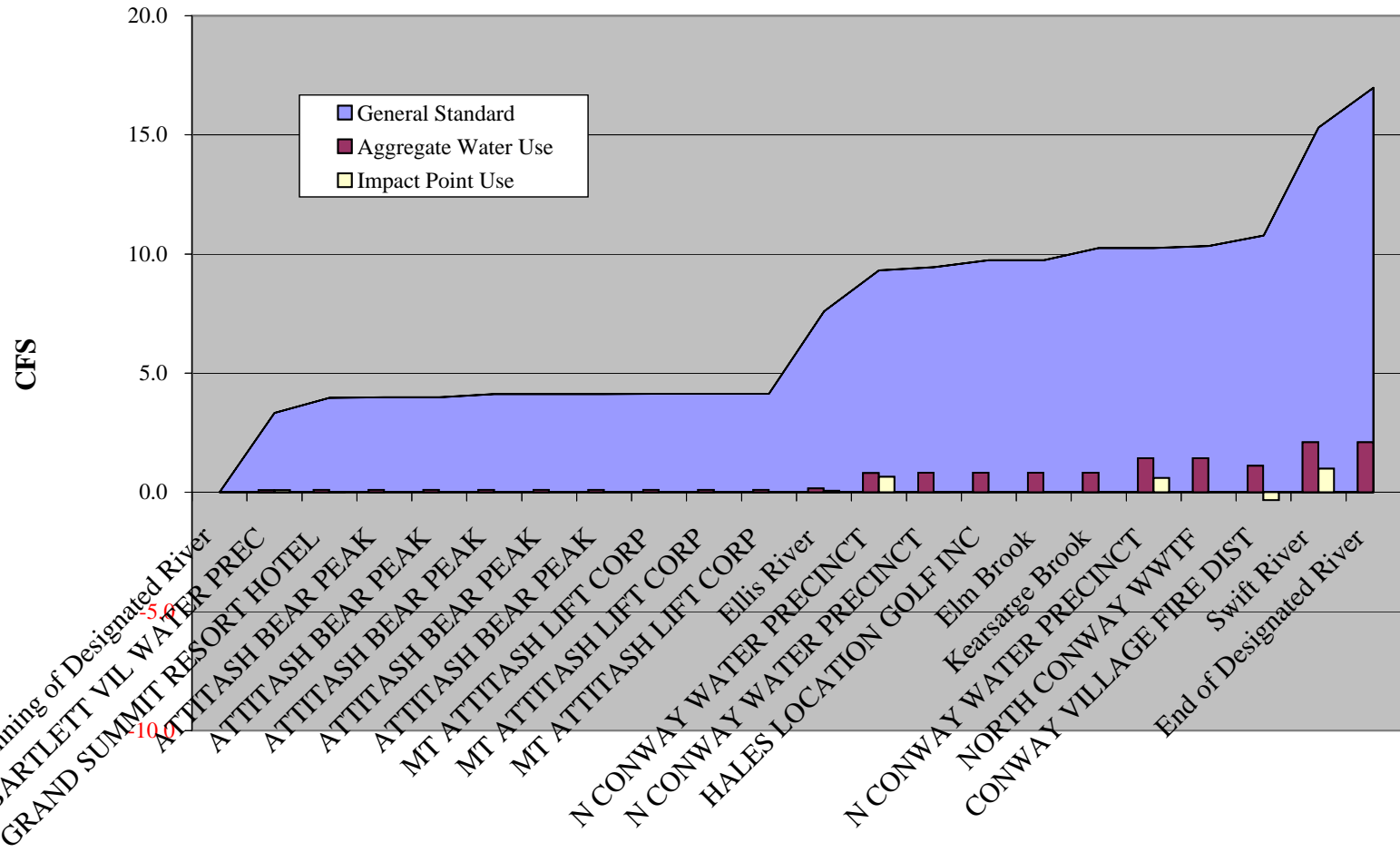


5.6
10.0

October 2004 Saco



November 2004 Saco



CFS

20.0

15.0

10.0

5.0

0.0

■ General Standard
■ Aggregate Water Use
■ Impact Point Use

Beginning of Designated River
 BARTLETT VIL WATER PREC
 GRAND SUMMIT RESORT HOTEL
 ATTITASH BEAR PEAK
 ATTITASH BEAR PEAK
 ATTITASH BEAR PEAK
 ATTITASH BEAR PEAK
 MT ATTITASH BEAR PEAK
 MT ATTITASH BEAR PEAK
 MT ATTITASH LIFT CORP
 N CONWAY WATER PRECINCT
 N CONWAY WATER PRECINCT
 HALES LOCATION GOLF INC
 N CONWAY WATER PRECINCT
 N CONWAY WATER PRECINCT
 Elm Brook
 Kearsarge Brook
 NORTH CONWAY WWTF
 CONWAY VILLAGE FIRE DIST
 Swift River
 End of Designated River

5.6

10.0

December 2004 Saco

