

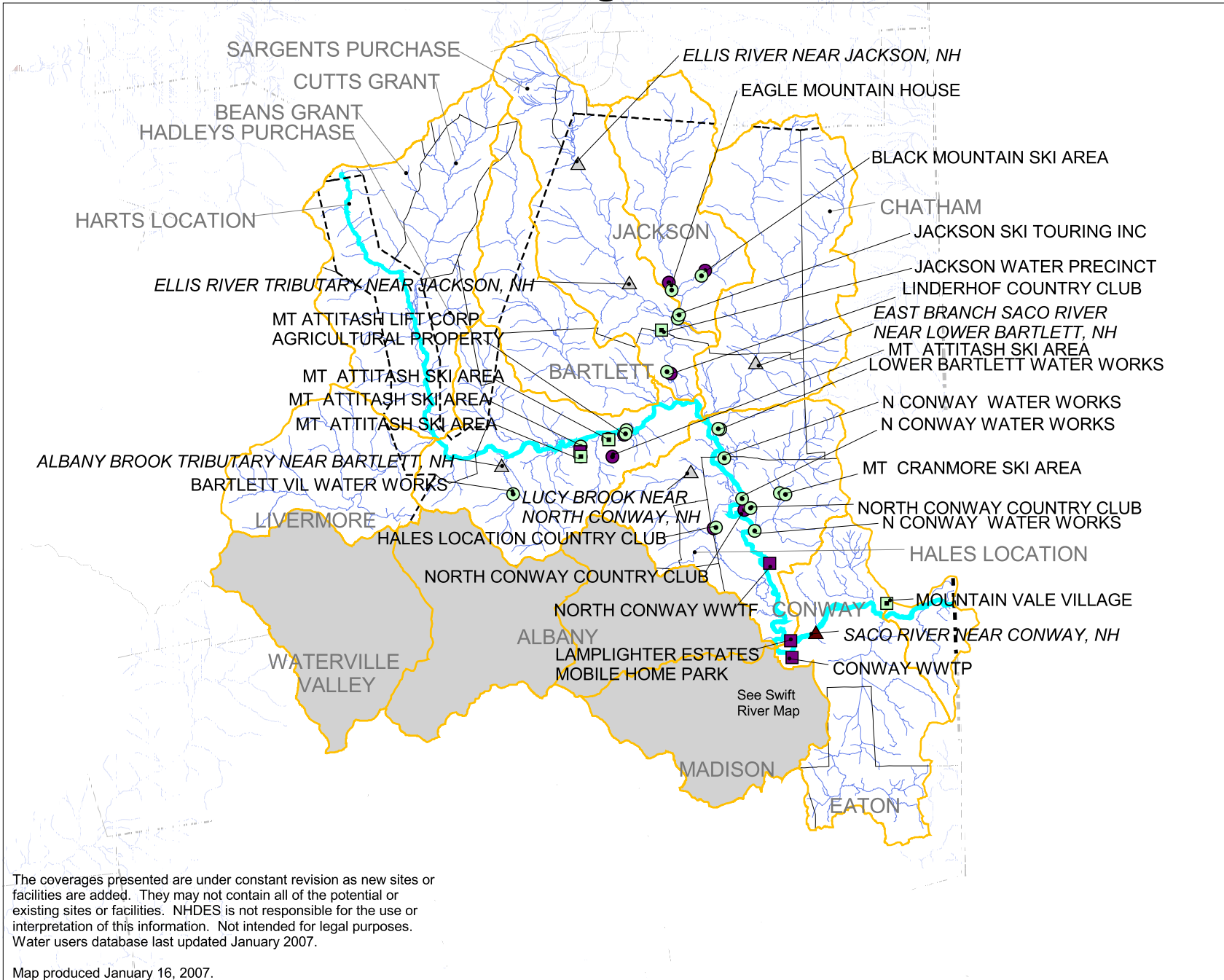
Saco Annual Water Use versus Stream Flow – Calendar Year 2005

Water use was reported for 19 sources, and 2 measured 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 four water supply facilities, one mining facility and no registered, measured returns. The Water Management Planning Area has no hydroelectric facilities. Ten water supplies withdraw water year-round from ten sources. There are five snowmaking source and four golf course irrigation sources. Two waste water treatment facilities discharge water in the Water Management Planning Area. Water use was highest during January and December reflecting use for snowmaking, followed by July and August when use increased for domestic water supplies and golf course irrigation.

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. This year's assessment found the river in compliance with the General Standard for all of 2005.

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	Previously not in Compliance with the General Standard (2003 to present)
January	--	--	1.20%	2003
February	--	--	1.20%	--
March	--	--	0.87%	--
April	--	--	0.08%	--
May	--	--	0.16%	--
June	--	--	0.41%	--
July	--	--	0.87%	--
August	--	--	2.14%	--
September	--	--	0.86%	--
October	--	--	0.16%	--
November	--	--	0.19%	--
December	--	--	0.28%	--

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**
 - Thick orange line



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 January 2007.

Map produced January 16, 2007.

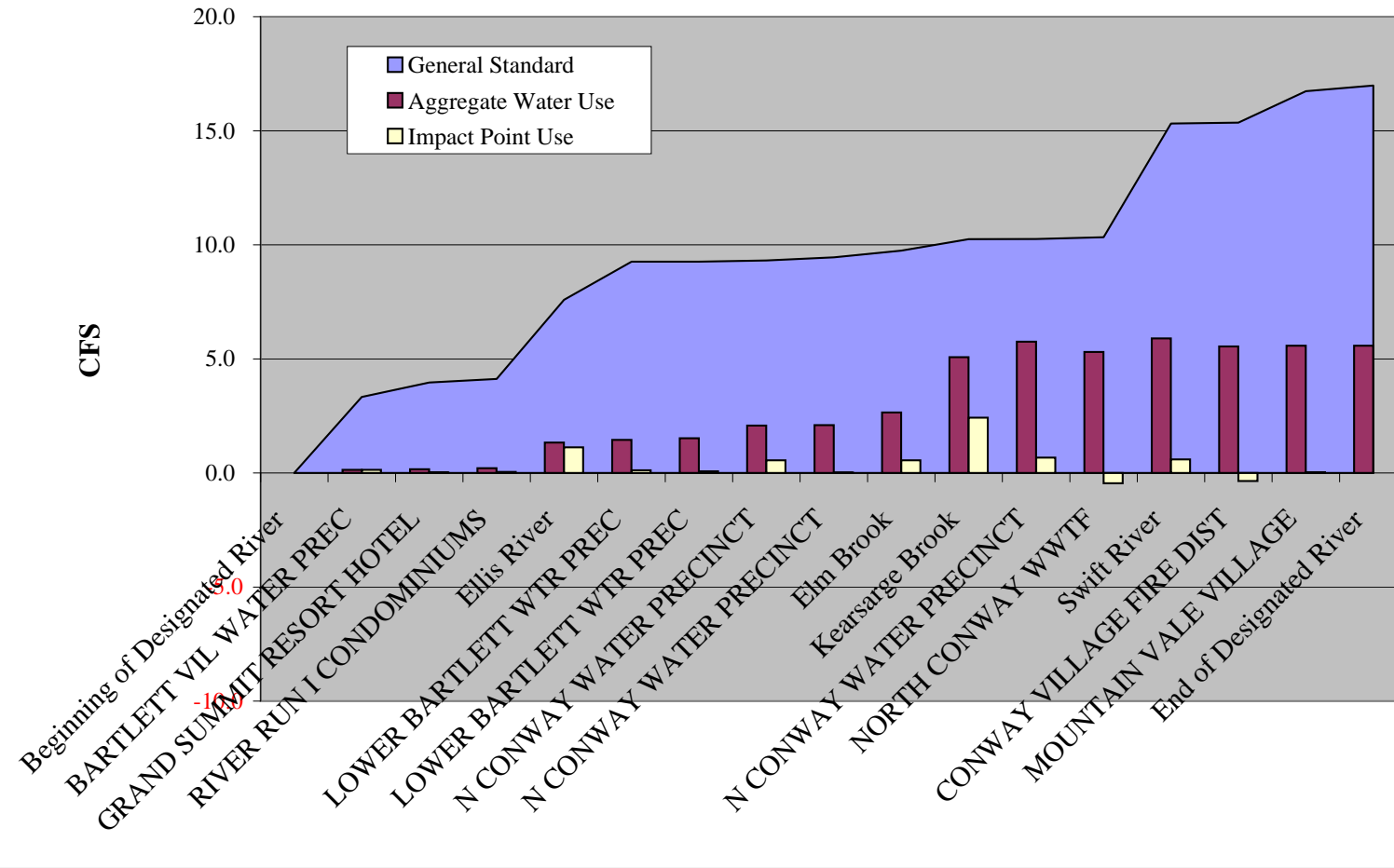
2005 Saco Aggregate Water Use in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Beginning of Designated River			0.1	0	0	0	0	0	0	0	0	0	0	0	0	0
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.26	0.136	0.147	0.147	0.230	0.196	0.175	0.218	0.203	0.134	0.208	0.166	0.233	
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.08	0.164	0.177	0.178	0.245	0.210	0.204	0.264	0.249	0.160	0.233	0.181	0.257	
RIVER RUN I CONDOMINIUMS	RIVER RUN I CONDOMINIUMS	20737 20737-S01	102.97	0.207	0.221	0.219	0.268	0.239	0.254	0.319	0.308	0.202	0.275	0.218	0.299	
Ellis River			189.74	1.330	0.550	0.301	0.326	0.416	0.618	0.739	0.657	0.406	0.359	0.279	1.120	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S02	231.59	1.448	0.681	0.429	0.468	0.526	0.688	1.035	1.095	0.799	0.683	0.470	1.332	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S01	231.59	1.521	0.777	0.506	0.560	0.644	0.887	1.230	1.121	0.799	0.687	0.470	1.349	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.88	2.077	1.735	1.427	1.266	1.368	1.748	2.037	1.928	1.422	1.474	1.232	2.181	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.29	2.095	2.046	1.620	1.499	1.521	2.029	2.608	2.458	1.569	1.578	1.346	2.396	
Elm Brook			243.61	2.651	3.005	2.541	2.204	2.244	2.890	3.414	3.265	2.192	2.366	2.108	3.227	
Kearsarge Brook			256.28	5.077	3.434	2.541	2.204	2.269	2.936	3.489	3.328	2.230	2.391	2.265	4.868	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.39	5.752	3.581	2.557	2.482	2.705	3.428	3.953	3.822	2.889	2.951	2.682	5.002	
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.36	5.302	3.085	2.113	2.035	2.246	2.770	3.953	3.143	2.367	2.340	2.241	5.002	
Swift River			382.86	5.899	3.688	2.691	2.740	3.197	3.853	5.121	4.349	3.345	3.269	3.185	5.639	
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	383.85	5.547	3.386	2.337	2.105	2.550	3.276	4.726	4.044	3.027	2.458	2.593	5.190	
MOUNTAIN VALE VILLAGE	MOUNTAIN VALE VILLAGE	20733 20733-S01	418.33	5.578	3.415	2.362	2.132	2.586	3.323	4.762	4.078	3.055	2.487	2.621	5.216	
End of Designated River	NH/ME border		424.58	5.578	3.415	2.362	2.132	2.586	3.323	4.762	4.078	3.055	2.487	2.621	5.216	

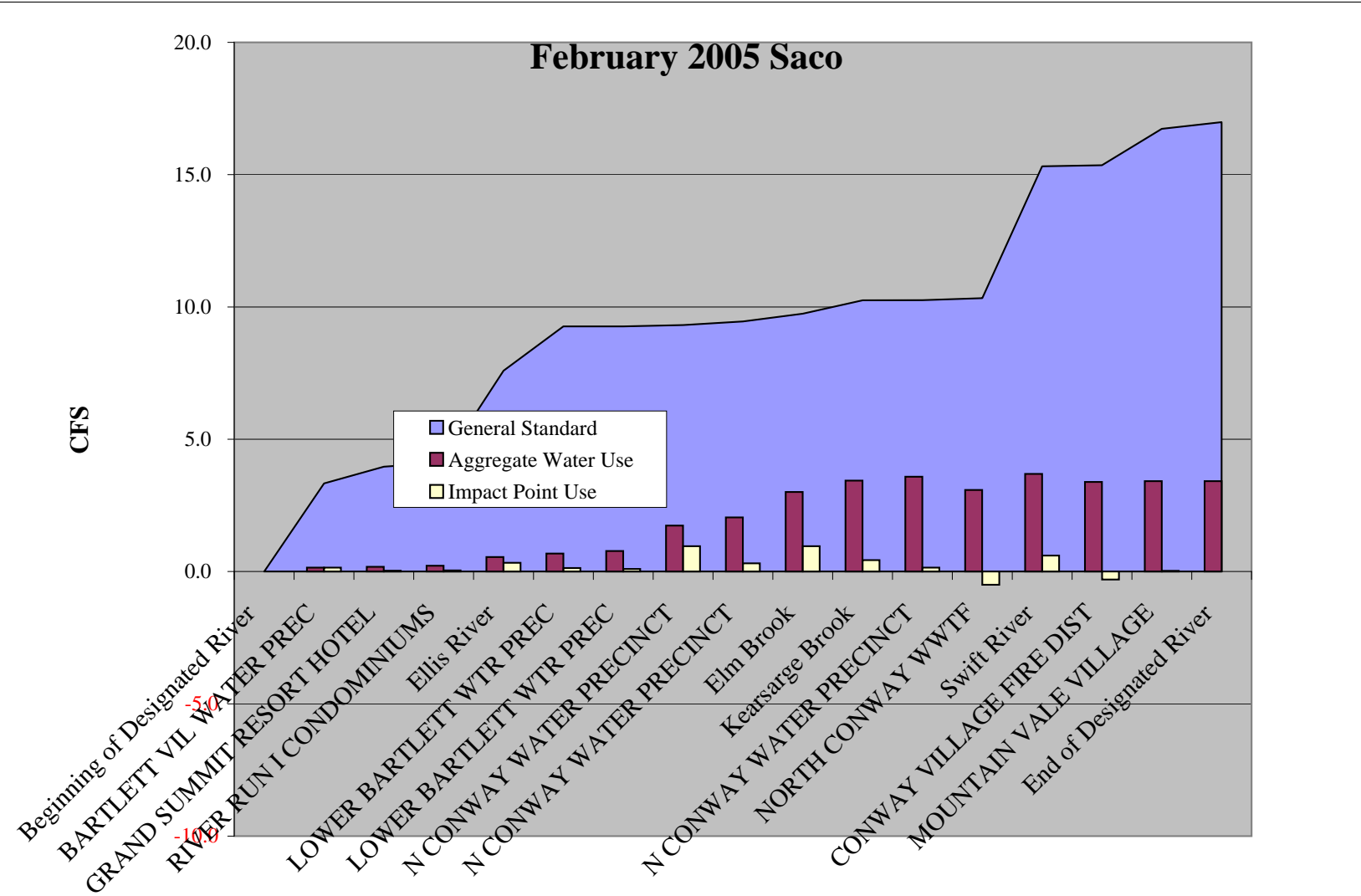
2005 Saco Estimated Monthly Stream Flow at Each Impact Point in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Beginning of Designated River			0.1	0	0	0	0	1	0	0	0	0	0	1	1	1
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.26	155	97	100	993	550	273	148	58	109	613	451	580	
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.08	185	115	119	1182	654	325	176	69	130	729	537	690	
RIVER RUN I CONDOMINIUMS	RIVER RUN I CONDOMINIUMS	20737 20737-S01	102.97	192	120	123	1228	680	338	183	72	135	758	558	717	
Ellis River			189.74	354	221	227	2263	1252	623	338	132	249	1397	1029	1322	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S02	231.59	432	270	277	2762	1528	760	412	162	304	1705	1256	1613	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S01	231.59	432	270	277	2762	1528	760	412	162	304	1705	1256	1613	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.88	434	271	279	2778	1537	765	415	162	306	1714	1263	1622	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.29	441	275	283	2818	1560	776	421	165	310	1739	1281	1646	
Elm Brook			243.61	454	284	292	2906	1608	800	434	170	320	1793	1321	1697	
Kearsarge Brook			256.28	478	299	307	3057	1691	841	456	179	336	1886	1389	1785	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.39	478	299	307	3058	1692	842	456	179	336	1887	1390	1786	
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.36	482	301	309	3082	1705	848	460	180	339	1902	1401	1800	
Swift River			382.86	714	446	458	4566	2527	1257	682	267	502	2818	2076	2667	
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	383.85	716	447	459	4578	2533	1260	683	268	504	2825	2081	2674	
MOUNTAIN VALE VILLAGE	MOUNTAIN VALE VILLAGE	20733 20733-S01	418.33	780	487	501	4990	2761	1373	745	292	549	3079	2268	2914	
End of Designated River	NH/ME border		424.58	792	495	508	5064	2802	1394	756	296	557	3125	2302	2958	

2005 Saco Estimated Monthly General Standard at Each Impact Point in CFS			General Standard in cfs/m													
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	0.004	0.004	0.004	0.02	0.02	0.004	0.004	0.002	0.004	0.02	0.02	0.02	
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.26	3.3	3.3	3.3	13.3	13.3	3.3	3.3	1.7	3.3	13.3	13.3	13.3	
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.08	4.0	4.0	4.0	15.9	15.9	4.0	4.0	2.0	4.0	15.9	15.9	15.9	
RIVER RUN I CONDOMINIUMS	RIVER RUN I CONDOMINIUMS	20737 20737-S01	102.97	4.1	4.1	4.1	16.5	16.5	4.1	4.1	2.1	4.1	16.5	16.5	16.5	
Ellis River			189.74	7.6	7.6	7.6	30.4	30.4	7.6	7.6	3.8	7.6	30.4	30.4	30.4	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S02	231.59	9.3	9.3	9.3	37.1	37.1	9.3	9.3	4.6	9.3	37.1	37.1	37.1	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S01	231.59	9.3	9.3	9.3	37.1	37.1	9.3	9.3	4.6	9.3	37.1	37.1	37.1	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.88	9.3	9.3	9.3	37.3	37.3	9.3	9.3	4.7	9.3	37.3	37.3	37.3	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.29	9.5	9.5	9.5	37.8	37.8	9.5	9.5	4.7	9.5	37.8	37.8	37.8	
Elm Brook			243.61	9.7	9.7	9.7	39.0	39.0	9.7	9.7	4.9	9.7	39.0	39.0	39.0	
Kearsarge Brook			256.28	10.3	10.3	10.3	41.0	41.0	10.3	10.3	5.1	10.3	41.0	41.0	41.0	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.39	10.3	10.3	10.3	41.0	41.0	10.3	10.3	5.1	10.3	41.0	41.0	41.0	
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.36	10.3	10.3	10.3	41.3	41.3	10.3	10.3	5.2	10.3	41.3	41.3	41.3	
Swift River			382.86	15.3	15.3	15.3	61.3	61.3	15.3	15.3	7.7	15.3	61.3	61.3	61.3	
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	383.85	15.4	15.4	15.4	61.4	61.4	15.4	15.4	7.7	15.4	61.4	61.4	61.4	
MOUNTAIN VALE VILLAGE	MOUNTAIN VALE VILLAGE	20733 20733-S01	418.33	16.7	16.7	16.7	66.9	66.9	16.7	16.7	8.4	16.7	66.9	66.9	66.9	
End of Designated River	NH/ME border		424.58	17.0	17.0	17.0	67.9	67.9	17.0	17.0	8.5	17.0	67.9	67.9	67.9	

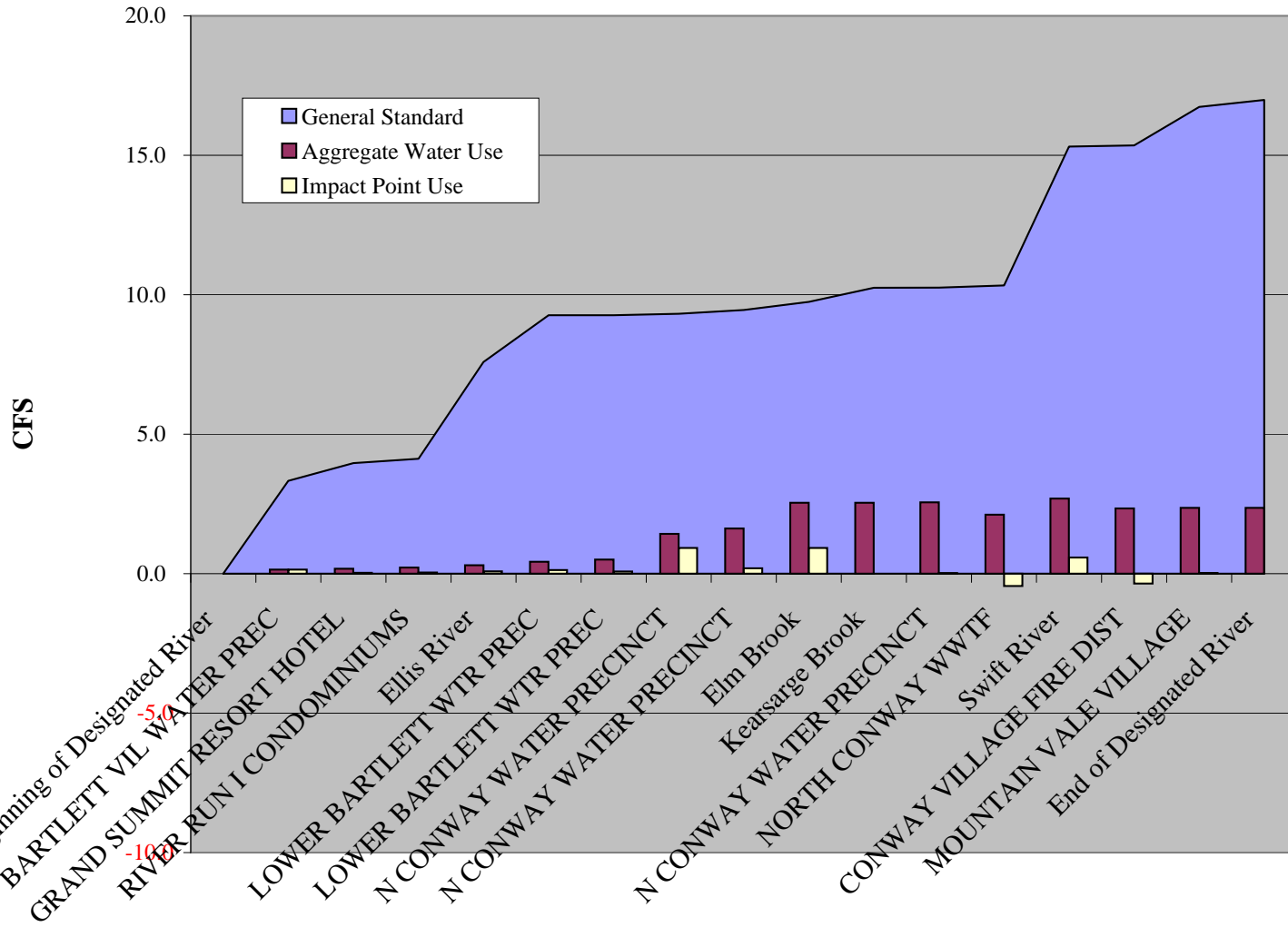
2005 Saco Estimated Monthly Margin of the Aggregate Water Use Below the General Standard in CFS																
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Beginning of Designated River			0.1	0.004	0.004	0.004	0.02	0.02	0.004	0.004	0.002	0.004	0.02	0.02	0.02	
BARTLETT VIL WATER PREC	WATER WORKS	20330 20330-S01	83.26	3.2	3.2	3.2	13.1	13.1	3.2	3.1	1.5	3.2	13.1	13.2	13.1	
GRAND SUMMIT RESORT HOTEL	BEAR PEAK AT ATTITASH	20695 20695-S01	99.08	3.8	3.8	3.8	15.6	15.6	3.8	3.7	1.7	3.8	15.6	15.7	15.6	
RIVER RUN I CONDOMINIUMS	RIVER RUN I CONDOMINIUMS	20737 20737-S01	102.97	3.9	3.9	3.9	16.2	16.2	3.9	3.8	1.8	3.9	16.2	16.3	16.2	
Ellis River			189.74	6.3	7.0	7.3	30.0	29.9	7.0	6.9	3.1	7.2	30.0	30.1	29.2	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S02	231.59	7.8	8.6	8.8	36.6	36.5	8.6	8.2	3.5	8.5	36.4	36.6	35.7	
LOWER BARTLETT WTR PREC	WATER WORKS	20391 20391-S01	231.59	7.7	8.5	8.8	36.5	36.4	8.4	8.0	3.5	8.5	36.4	36.6	35.7	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S04	232.88	7.2	7.6	7.9	36.0	35.9	7.6	7.3	2.7	7.9	35.8	36.0	35.1	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S03	236.29	7.4	7.4	7.8	36.3	36.3	7.4	6.8	2.3	7.9	36.2	36.5	35.4	
Elm Brook			243.61	7.1	6.7	7.2	36.8	36.7	6.9	6.3	1.6	7.6	36.6	36.9	35.7	
Kearsarge Brook			256.28	5.2	6.8	7.7	38.8	38.7	7.3	6.8	1.8	8.0	38.6	38.7	36.1	
N CONWAY WATER PRECINCT	WATER WORKS	20358 20358-S02	256.39	4.5	6.7	7.7	38.5	38.3	6.8	6.3	1.3	7.4	38.1	38.3	36.0	
NORTH CONWAY WWTF	NORTH CONWAY WWTF	20718 20718-D01	258.36	5.0	7.2	8.2	39.3	39.1	7.6	6.4	2.0	8.0	39.0	39.1	36.3	
Swift River			382.86	9.4	11.6	12.6	58.5	58.1	11.5	10.2	3.3	12.0	58.0	58.1	55.6	
CONWAY VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20208 20208-D01	383.85	9.8	12.0	13.0	59.3	58.9	12.1	10.6	3.6	12.3	59.0	58.8	56.2	
MOUNTAIN VALE VILLAGE	MOUNTAIN VALE VILLAGE	20733 20733-S01	418.33	11.2	13.3	14.4	64.8	64.3	13.4	12.0	4.3	13.7	64.4	64.3	61.7	
End of Designated River	NH/ME border		424.58	11.4	13.6	14.6	65.8	65.3	13.7	12.2	4.4	13.9	65.4	65.3	62.7	

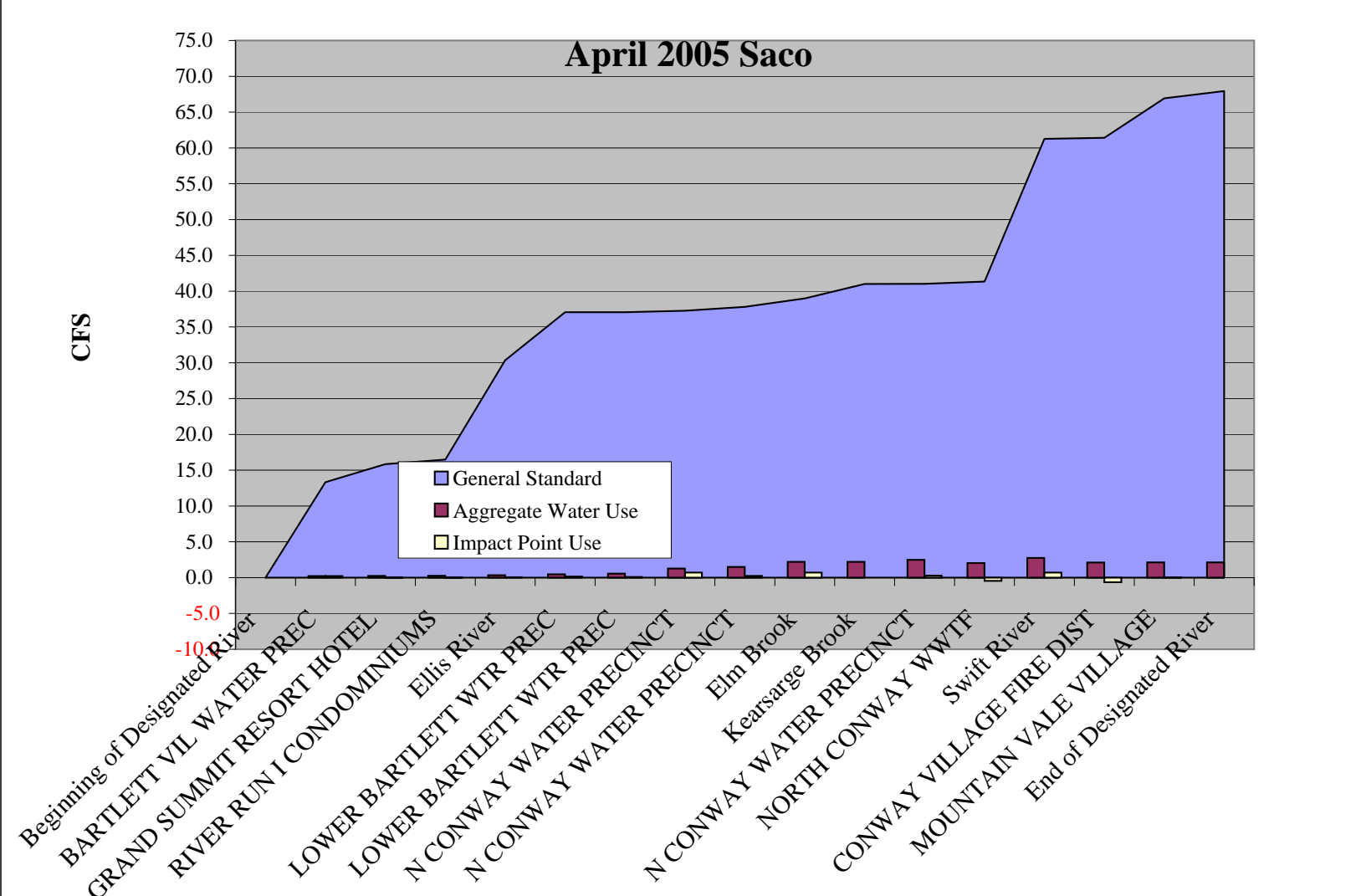
January 2005 Saco

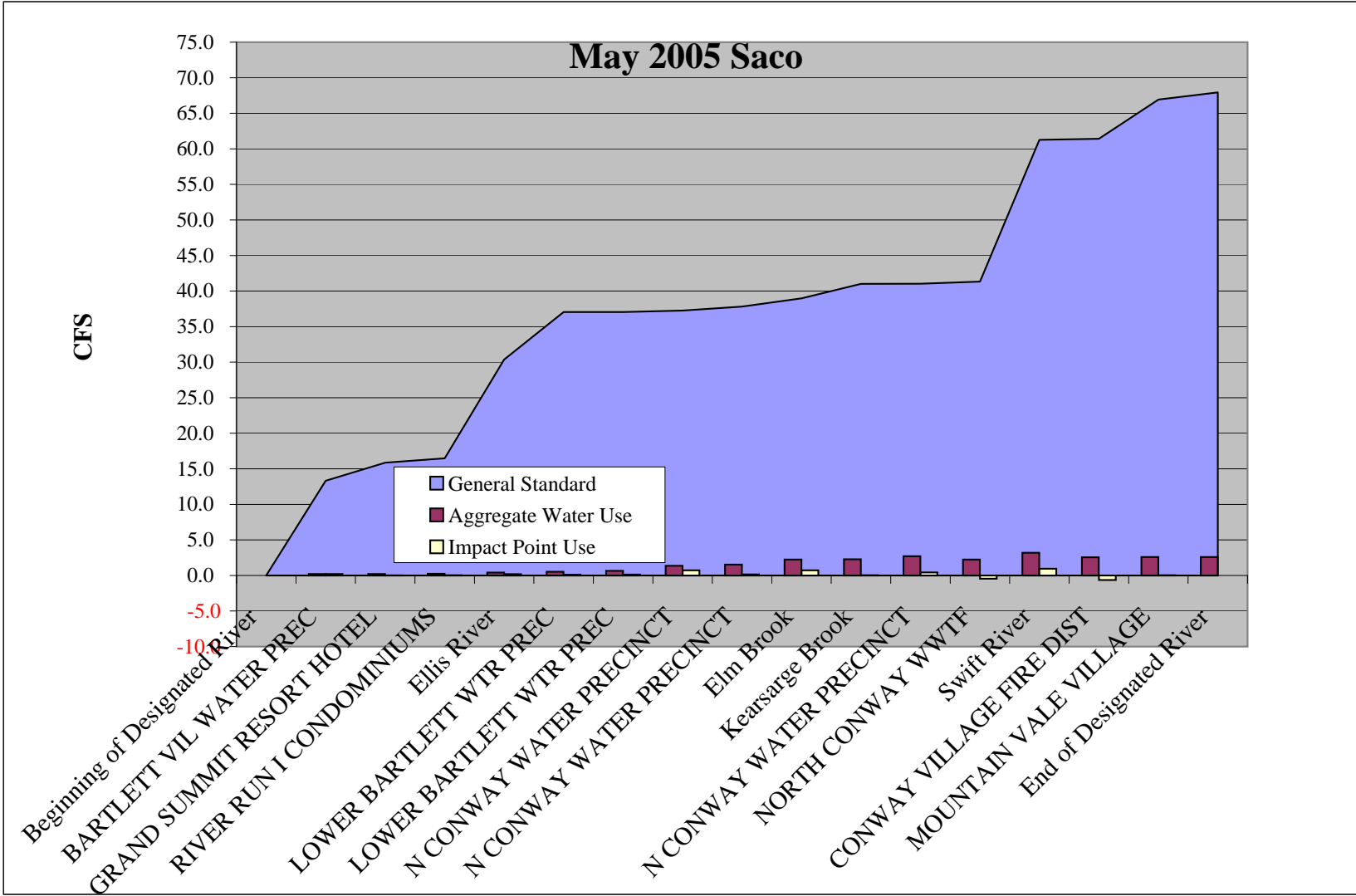


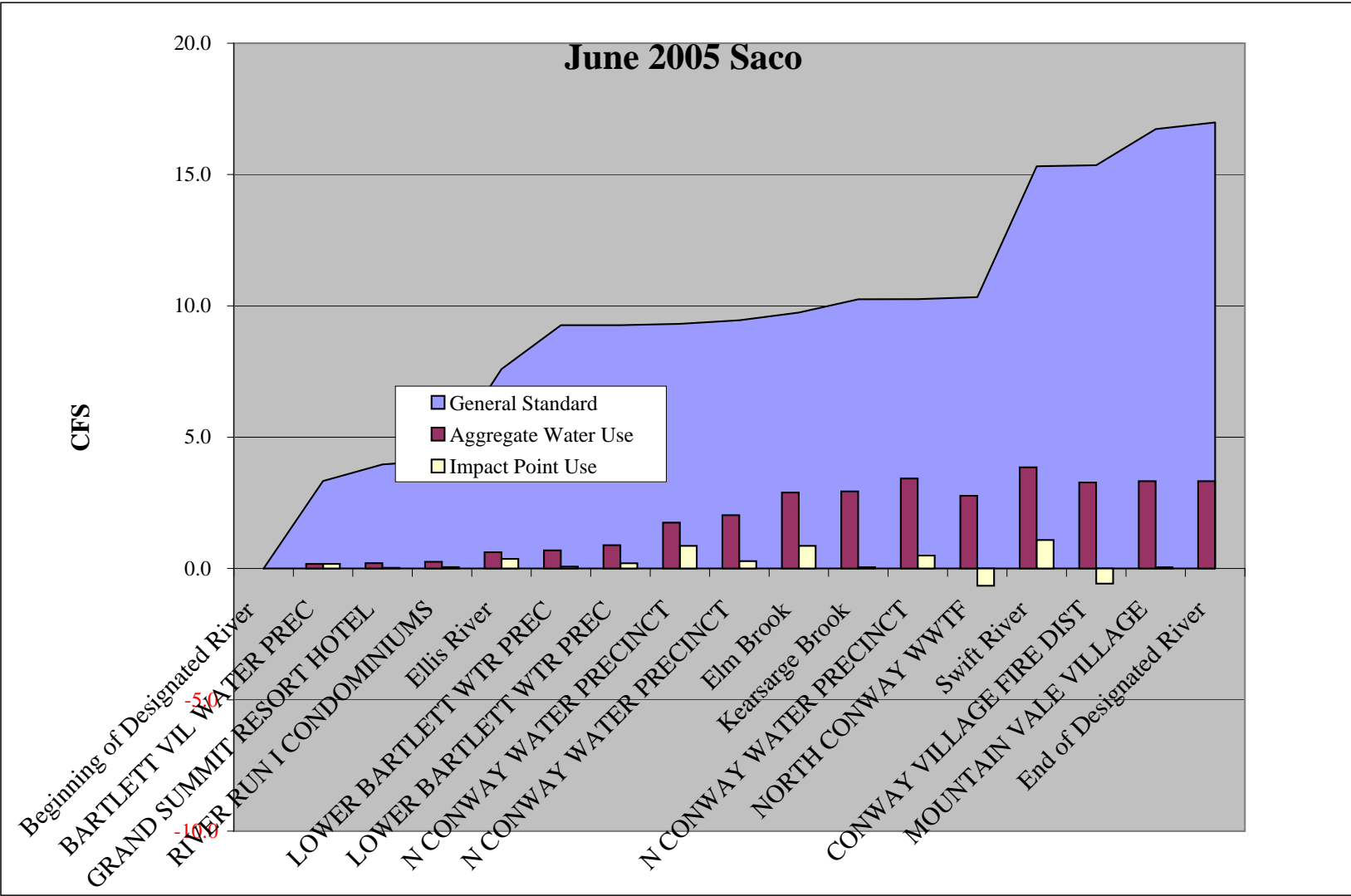


March 2005 Saco









July 2005 Saco

CFS

- General Standard
- Aggregate Water Use
- Impact Point Use

Beginning of Designated River
 BARTLETT VIL WATER PREC
 GRAND SUMMIT RESORT HOTEL
 RIVER RUN I CONDOMINIUMS
 LOWER BARTLETT WTR PREC
 LOWER BARTLETT WTR PREC
 N CONWAY WATER PRECINCT
 N CONWAY WATER PRECINCT
 Elm Brook
 Kearsarge Brook
 NORTH CONWAY PRECINCT
 CONWAY WWTF
 Swift River
 MOUNTAIN VILE VILLAGE
 End of Designated River

20.0
15.0
10.0
5.0
0.0

-5.0
-10.0

