

## **Contoocook Annual Water Use versus Stream Flow – Calendar Year 2006**

Water use was reported by 59 sources, no transfers and 24 returns in the Contoocook Water Management Planning Area. The Contoocook Designated River is made up of two Designated River segments – the North Branch and the Contoocook River main stem. The North Branch watershed contains three of the registered sources and two of the registered, measured returns. All reported water uses were included in this assessment.

In the North Branch watershed there are two hydroelectric facilities – Steeles Pond Hydro and Jackman Hydro. The Jackman Hydropower facility's intake is separated from its discharge location by 1.5 river miles and stream flow in this bypass reach is significantly reduced. Water use by hydroelectric facilities are not shown in the monthly graphs because inflow is expected to equal outflow and because the General Standard does not apply to hydroelectric facilities between their point of withdrawal and point of return per Env-Ws 1903.02(d). The other source in the North Branch watershed is the Hillsborough Water Works located near the headwaters of a tributary stream that affects the North Branch near its mouth.

The Contoocook River Water Management Planning Area has 15 hydroelectric dams registered as water users including the two in the North Branch watershed. The DD Bean and Son, Co. Inc. and EHC Hoague Sprague Hydro facilities have water returns separate from their intakes. There are 25 registered sources that are public water supplies, one bottled-water facility source and four industrial/commercial use sources. Two sources are used for bio-energy production. Irrigation for golf courses makes up five sources and snowmaking at Pats Peak uses four sources. Three sources are for institutional use at Crotched Mountain Rehabilitation Center and two sources are for mining. Measured, reported returns include seven waste water treatment returns, one industrial discharge, as well as the 16 dam returns. A water withdrawal in the Contoocook Water Management Planning Area is exported from the basin. Concord Water Works removes water from the Contoocook River and discharges it outside the watershed to Penacook Lake for storage.

The North Branch of the Contoocook River begins at the outlet of Rye Pond in Stoddard and continues 19.1 miles to its confluence with main stem. The North Branch portion of the Contoocook Water Management Planning Area covers 121 square miles and contains no active stream gages. A gage on the Warner River was used for surrogate stream flow data for the North Branch of the Contoocook. This gage more closely matches the size and conditions of the North Branch than do the gages on the main stem Contoocook at Peterborough and West Hopkinton. Data from the USGS 01086000 WARNER RIVER AT DAVISVILLE, NH measuring 146 square miles was used to generate stream flow values for the North Branch by areal transposition. This data is an approximation, not an actual measure, of North Branch stream flow.

The main stem of the Contoocook River begins at the outlet of Poole Pond in Rindge and continues 75 miles to its mouth at its confluence with the Merrimack River at the boundary of Boscawen and Concord. The North Branch's confluence is at the main stem's river mile 35.4 (0 miles at the mouth). The Contoocook Water Management Planning Area covers 764 square miles and includes two streamflow gages that were used in this assessment –USGS 01082000 CONTOOCCOOK RIVER AT PETERBOROUGH, NH measuring 68.1 square miles of the Water Management Planning Area and USGS 01085500 CONTOOCCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH measuring 427 square miles. For the main stem assessment, stream flow was transposed areal using these gages for all impact points upstream of Hopkinton Dam gage. Stream

flow below the Hopkinton Dam gage used that gage's flow plus areally transposed flows using the Warner gage for the drainage area below the Hopkinton Dam gage.

The North Branch was assessed as a separate Designated River and the results incorporated as a tributary into the main stem assessment. The North Branch Contoocook Designated River was not in compliance with the General Standard September 2006. During this month, the Designated River was not in compliance with the General Standard for 1.4 miles from the confluence of Beards Brook with the North Branch to the main stem Contoocook. Beards Brook drains Loon Pond which is used as Hillsborough's water supply.

In 2006, a short reach of the main stem of the Contoocook Designated River was not in compliance with the General Standard during the month of February through April, and July, August and October through December. In September, the Designated River was not in compliance with the General Standard there over a large reach and for a short reach downstream.

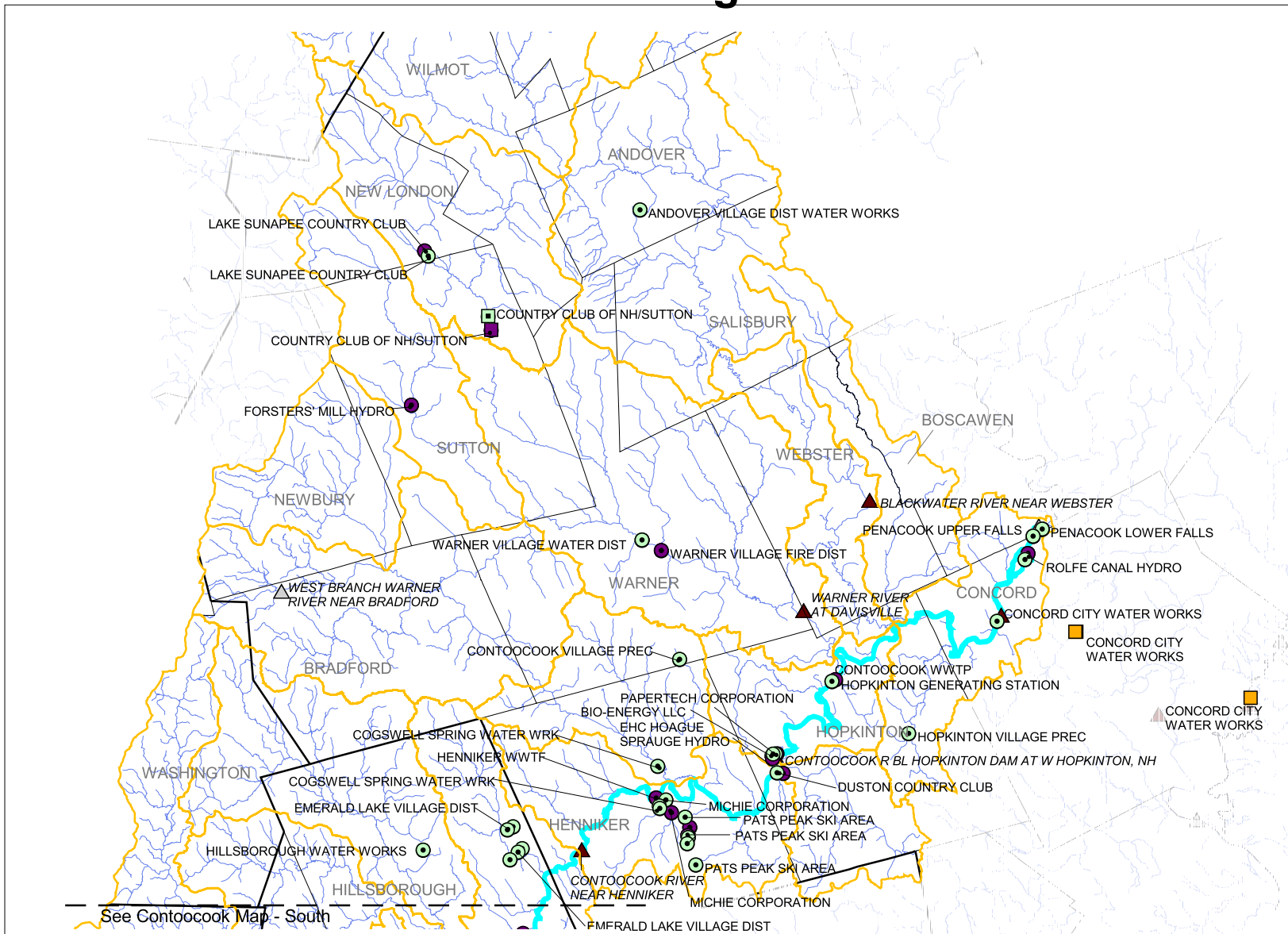
The General Standard usually increases continually from the headwaters to the end of a river—increasing with increased watershed area. The Contoocook River is heavily regulated by dams on both the mainstem and its tributaries. The General Standard varies markedly on the main stem of the Contoocook, in some months decreasing downstream and in others increasing more than during other months. This may reflect the variations in flow on the mainstem and from tributaries caused by storage and releases of water from impoundments.

<b>North Branch</b> of the Contoocook 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 (since 2003)
January	--	--	0.07%	--
February	--	--	0.10%	--
March	--	--	0.21%	--
April	--	--	0.17%	--
May	--	--	0.04%	--
June	--	--	0.07%	--
July	--	--	0.18%	2003, 2004
August	--	--	0.52%	2004
September	1.4 to 0	1.4	0.99%	2005
October	--	--	0.15%	2004
November	--	--	0.07%	--
December	--	--	0.11%	--

<b>Main Stem</b> of the Contoocook 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 (since 2003)
January	--	--	1.0%	2004, 2005
February	near 74.6	0.1	1.6%	2003, 2004, 2005
March	near 74.6	0.05	3.3%	2004, 2005
April	near 74.6	0.05	2.9%	--
May	--	--	1.2%	2004, 2005
June	--	--	1.2%	2004, 2005
July	near 74.6	0.05	3.5%	2003, 2004, 2005
August	near 74.6	0.15	6.1%	2003, 2004, 2005
September	74.6 to 67.6 and 46.8 to 46.4	7.4	10.2%	2003, 2004, 2005
October	near 74.6	0.02	2.3%	2004
November	near 74.6	0.03	1.2%	2003, 2004, 2005
December	near 74.6	0.02	2.8%	2004, 2005

The Contoocook Designated River drains directly into the Upper Merrimack Designated River. The results of these assessments are a component of that river's assessment.

# Contoocook River Affected Water User Facilities: Source and Discharge Locations - North



## Legend

Affected Water Users

- Source
- Discharge

Affected Water Users  
(Outside WMPA)

- Source
- Discharge

Water Users  
(Outside 500 ft)

- Source
- Discharge

Stream Gages

- ▲ Active
- △ Inactive

Designated Reach

Hydrology

State boundary

Town boundary

WMPA

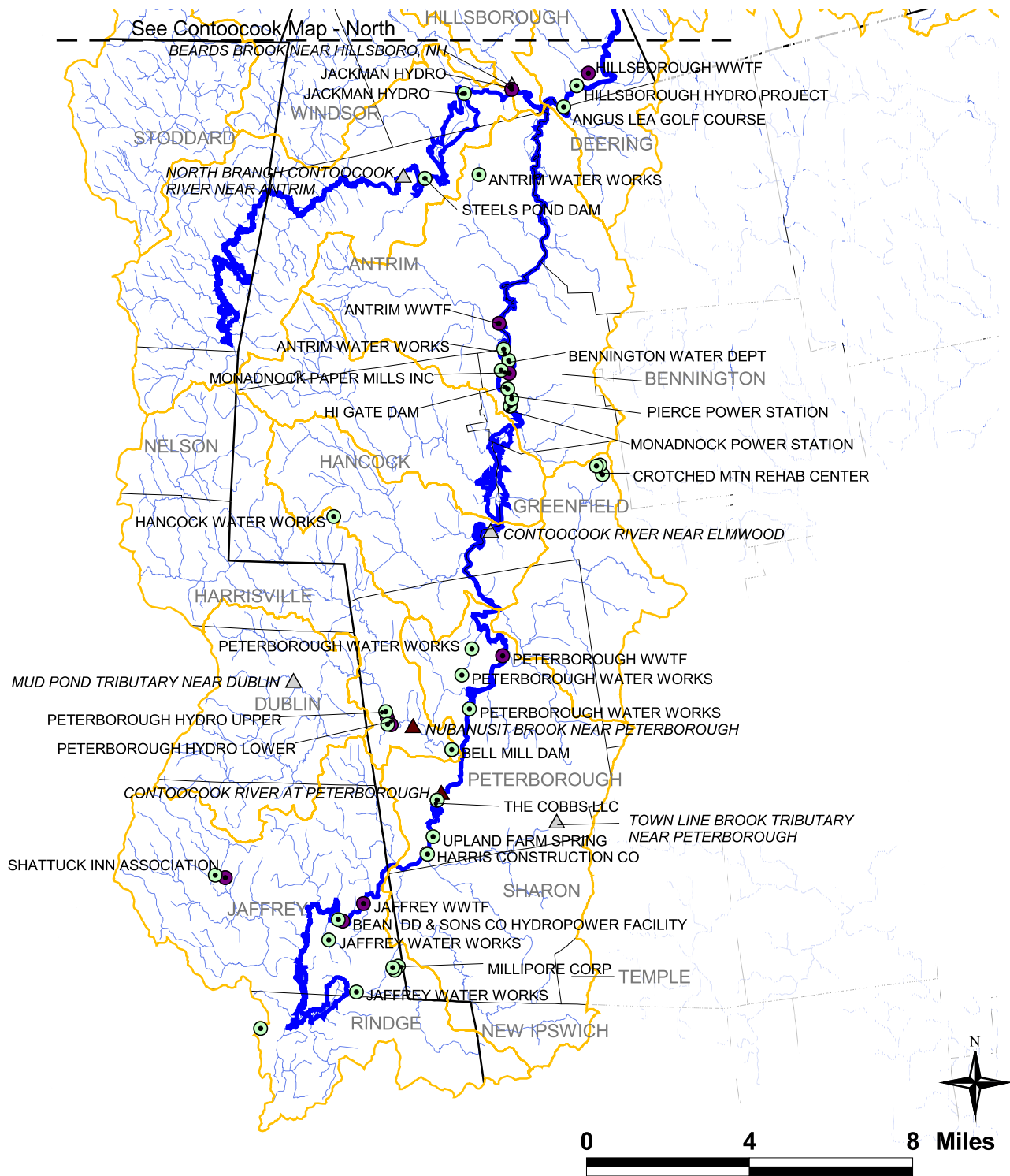
The coverages presented are under constant revision as new sites or facilities are added. They may not contain all of the potential or existing sites or facilities. NHDES is not responsible for the use or interpretation of this information. Not intended for legal purposes. Water users database last updated January 2007.

Map produced January 16, 2007.



0 1 2 3 4 Miles

# Contoocook River Affected Water User Facilities: Source and Discharge Locations - South
















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.

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## Legend

- |   |   |  |
|---|---|--|
| <b>Affected Water Users</b>   | <b>Affected Water Users (Outside WMPA)</b>  |  Designated Reach |
|  Source    |  Source    |  Hydrology        |
|  Discharge |  Discharge |  State boundary   |
| <b>Water Users (Outside 500 ft)</b>   | <b>Stream Gages</b>   |  Town boundary    |
|  Source    |  Active    |  WMPA             |
|  Discharge |  Inactive  |  |

2006 No. Br. Contoocook Water Use in CFS															
WU_NAME	FACILITY	WUSD_ID	AREA_SQMI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of No. Br. Contoocook R.	Rye Pond		0.64												
STEELS POND HYDRO	STEELS POND DAM	20604 20604-S01	57.24	16.8	67.7	48.2	3.6	2.3	4.3	50.8	18.9	15.6	14.9	33.2	40.4
STEELS POND HYDRO	STEELS POND DAM	20604 20604-D01	57.24	(16.8)	(67.7)	(48.2)	(3.6)	(2.3)	(4.3)	(50.8)	(18.9)	(15.6)	(14.9)	(33.2)	(40.4)
PUBLIC SERVICE CO OF NH	JACKMAN HYDRO	20149 20149-S01	63.01	0.0	181.0	82.0	32.5	134.6	0.0	4.6	21.7	24.8	177.9	323.3	148.5
PUBLIC SERVICE CO OF NH	JACKMAN HYDRO	20149 20149-D01	120.04	0.0	(181.0)	(82.0)	(32.5)	(134.6)	0.0	(4.6)	(21.7)	(24.8)	(177.9)	(323.3)	(148.5)
HILLSBOROUGH TOWN	HILLSBOROUGH WATER WORKS	20355 20355-S01	120.04	0.373	0.408	0.000	0.401	0.00	0.463	0.551	0.00	0.413	0.371	0.339	0.333
End of No. Br. Contoocook R	Confluence with Mainstem Contoocook		120.69												

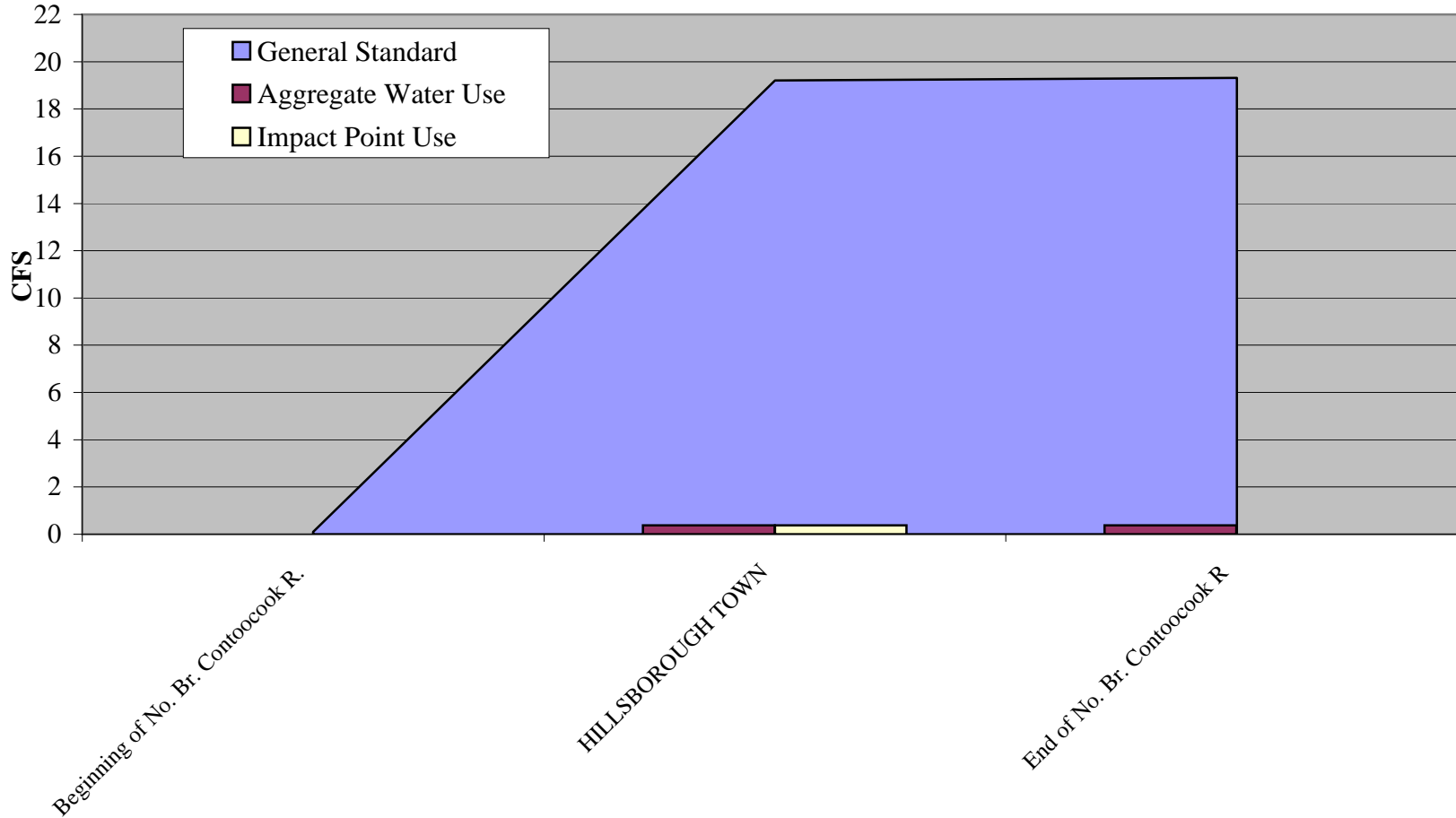
2006 No. Br. Contoocook Aggregate Water Use in CFS															
WU_NAME	FACILITY	WUSD_ID	AREA_SQMI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of No. Br. Contoocook R.	Rye Pond		0.64	0	0	0	0	0	0	0	0	0	0	0	0
HILLSBOROUGH TOWN	HILLSBOROUGH WATER WORKS	20355 20355-S01	120.04	0.373	0.408	0.408	0.401	0.446	0.463	0.551	0.495	0.413	0.371	0.339	0.333
End of No. Br. Contoocook R	Confluence with Mainstem Contoocook		120.69	0.373	0.408	0.408	0.401	0.446	0.463	0.551	0.495	0.413	0.371	0.339	0.333

2006 No. Br. Contoocook Estimated Monthly Stream Flow at Each Impact Point in CFS															
WU_NAME	FACILITY	WUSD_ID	AREA_SQMI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of No. Br. Contoocook R.	Rye Pond		0.64	2.8	2.1	1.0	1.3	5.5	3.5	1.6	0.5	0.2	1.3	2.8	1.6
HILLSBOROUGH TOWN	HILLSBOROUGH WATER WORKS	20355 20355-S01	120.04	527	390	195	238	1024	654	301	96	42	251	518	299
End of No. Br. Contoocook R	Confluence with Mainstem Contoocook		120.69	530	392	196	239	1029	657	303	96	42	252	521	301

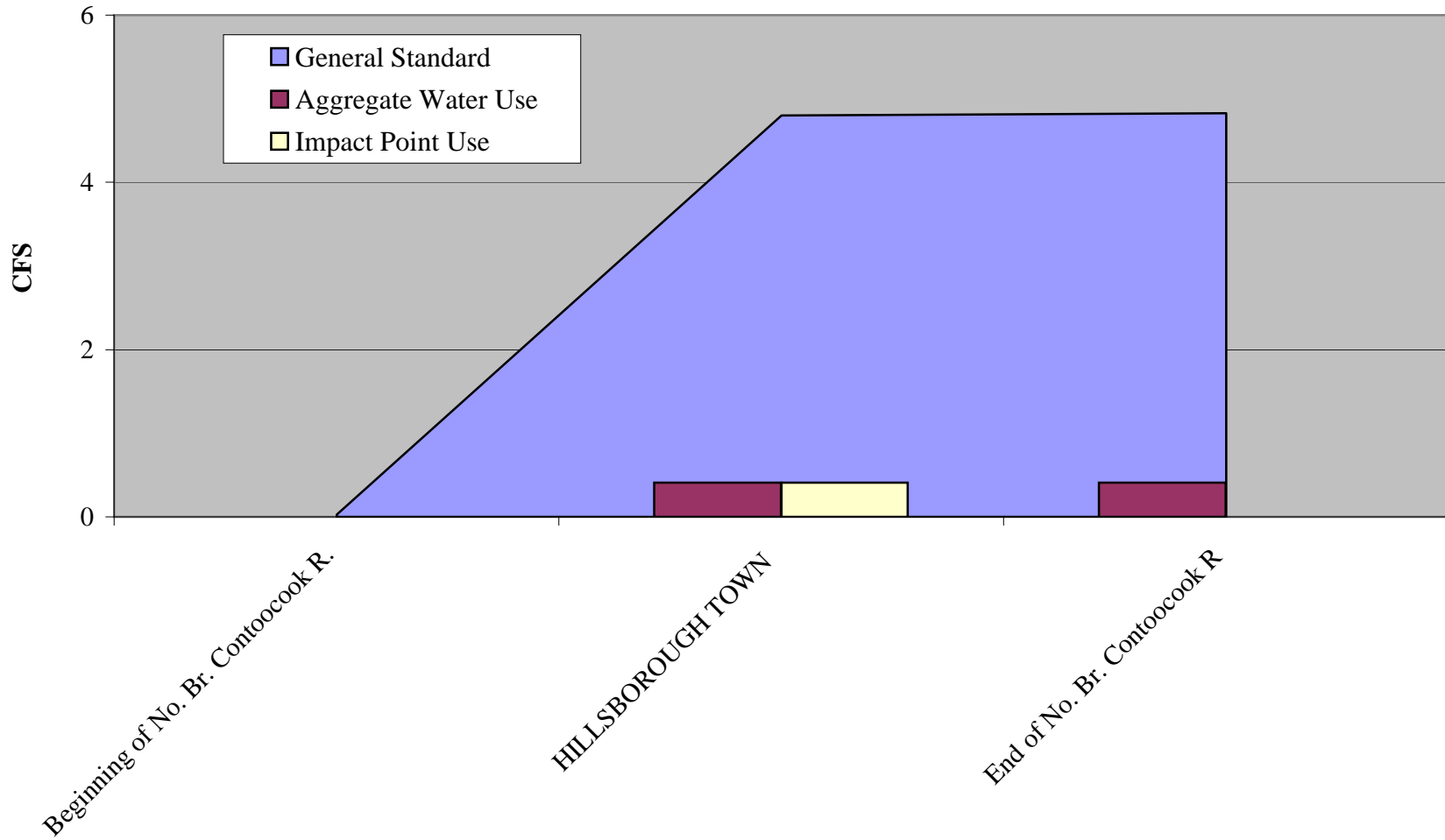
2006 No. Br. Contoocook Estimated Monthly General Standard at Each Impact Point in CFS															
WU_NAME	FACILITY	WUSD_ID	AREA_SQMI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of No. Br. Contoocook R.	Rye Pond		0.64	0.102	0.0256	0.0256	0.0256	0.102	0.102	0.0256	0.0128	0.00120	0.0256	0.102	0.0256
HILLSBOROUGH TOWN	HILLSBOROUGH WATER WORKS	20355 20355-S01	120.04	19	4.8	4.8	4.8	19	19	4.8	2.4	0.226	4.8	19	4.8
End of No. Br. Contoocook R	Confluence with Mainstem Contoocook		120.69	19	4.8	4.8	4.8	19	19	4.8	2.4	0.227	4.83	19	4.8

2006 No. Br. Contoocook Estimated Monthly Margin of the Aggregate Water Use Below the General Standard in CFS															
WU_NAME	FACILITY	WUSD_ID	AREA_SQMI	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of No. Br. Contoocook R.	Rye Pond		0.64	0.10	0.03	0.03	0.03	0.10	0.10	0.03	0.01	0.00	0.03	0.10	0.03
HILLSBOROUGH TOWN	HILLSBOROUGH WATER WORKS	20355 20355-S01	120.04	18.83	4.4	4.4	4.4	19	19	4.3	1.9	(0.19)	4.4	19	4.5
End of No. Br. Contoocook R	Confluence with Mainstem Contoocook		120.69	18.94	4.4	4.4	4.4	19	19	4.3	1.9	(0.19)	4.5	19	4.5

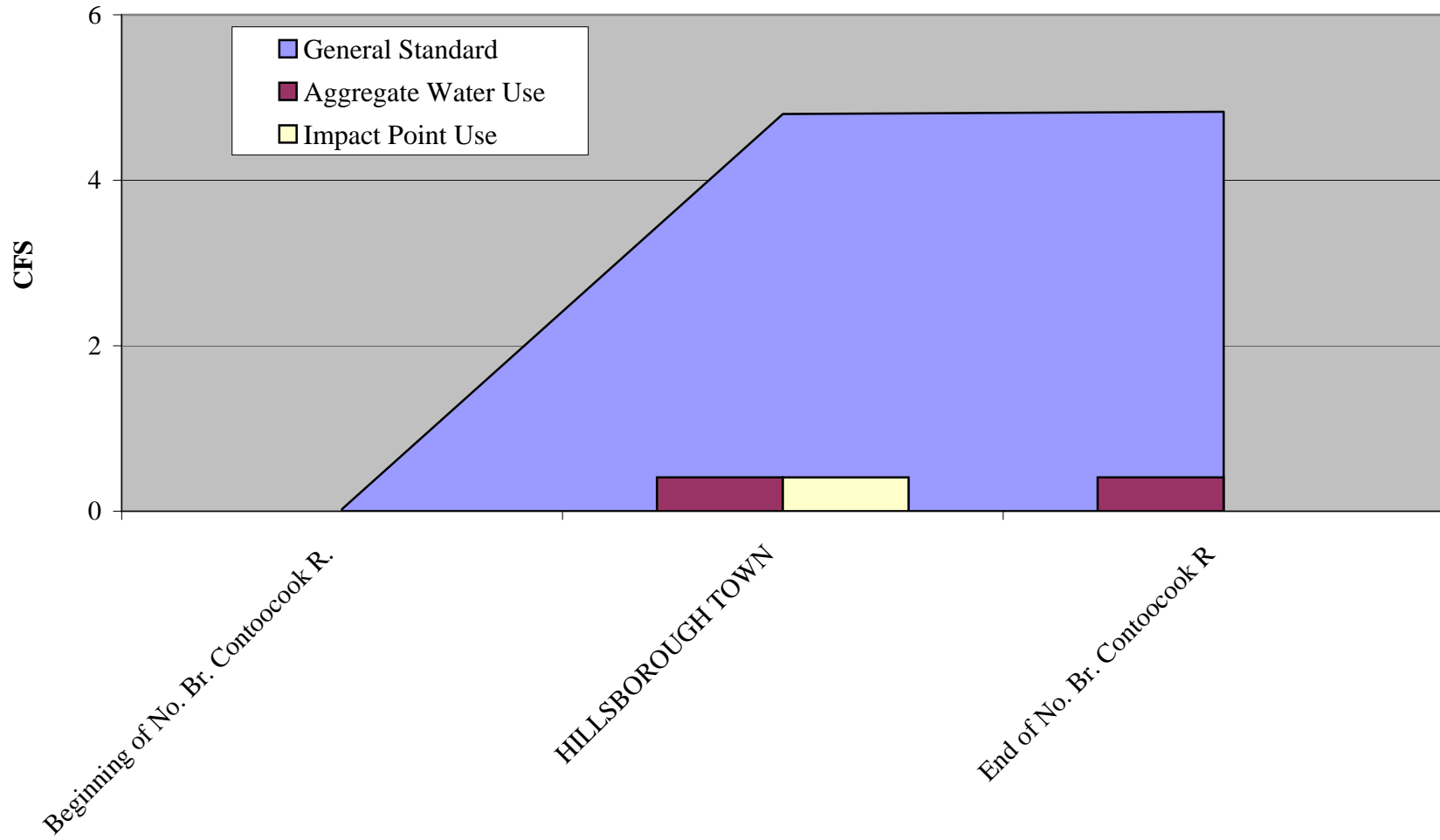
# January 2006 North Branch Contoocook



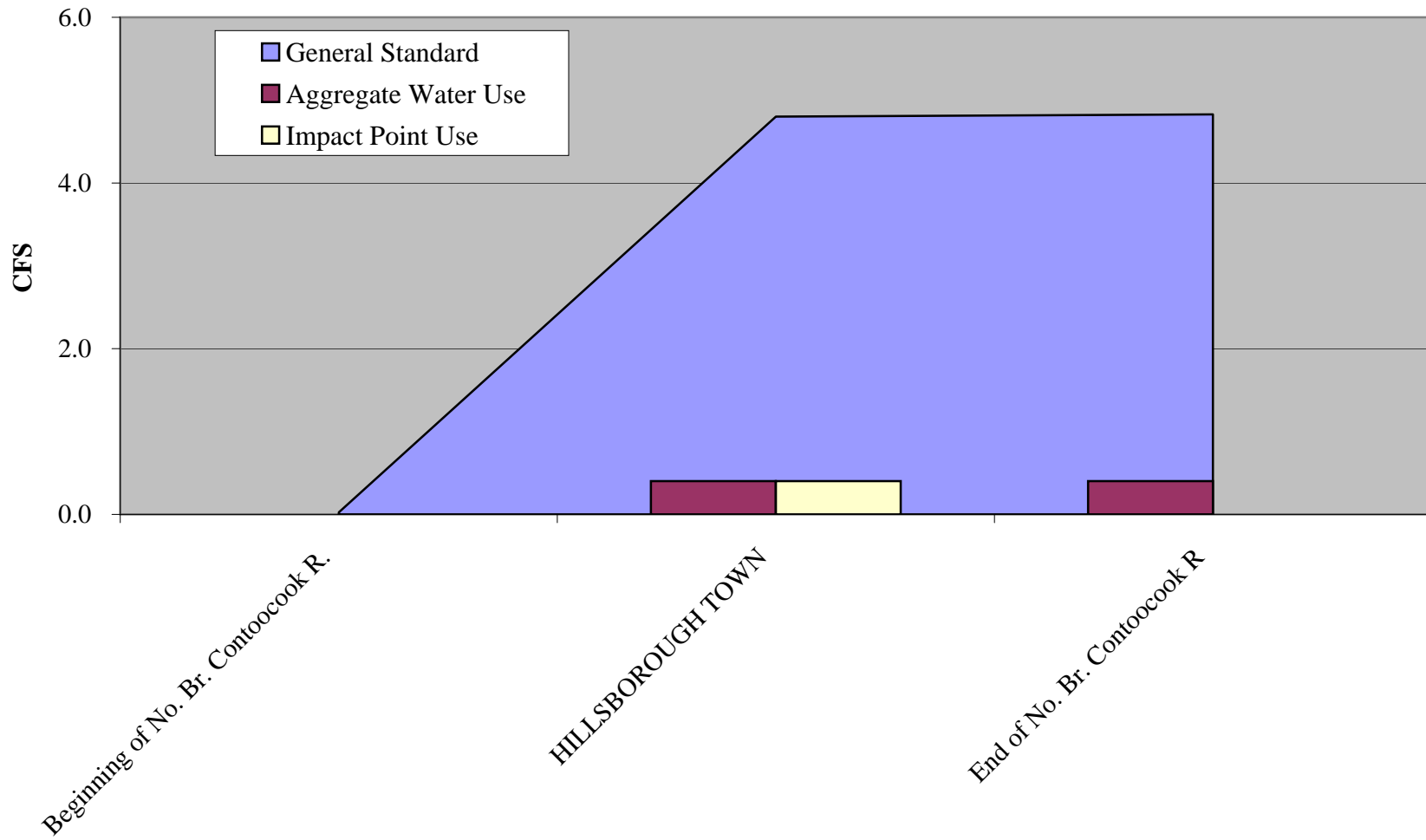
# February 2006 North Branch Contoocook



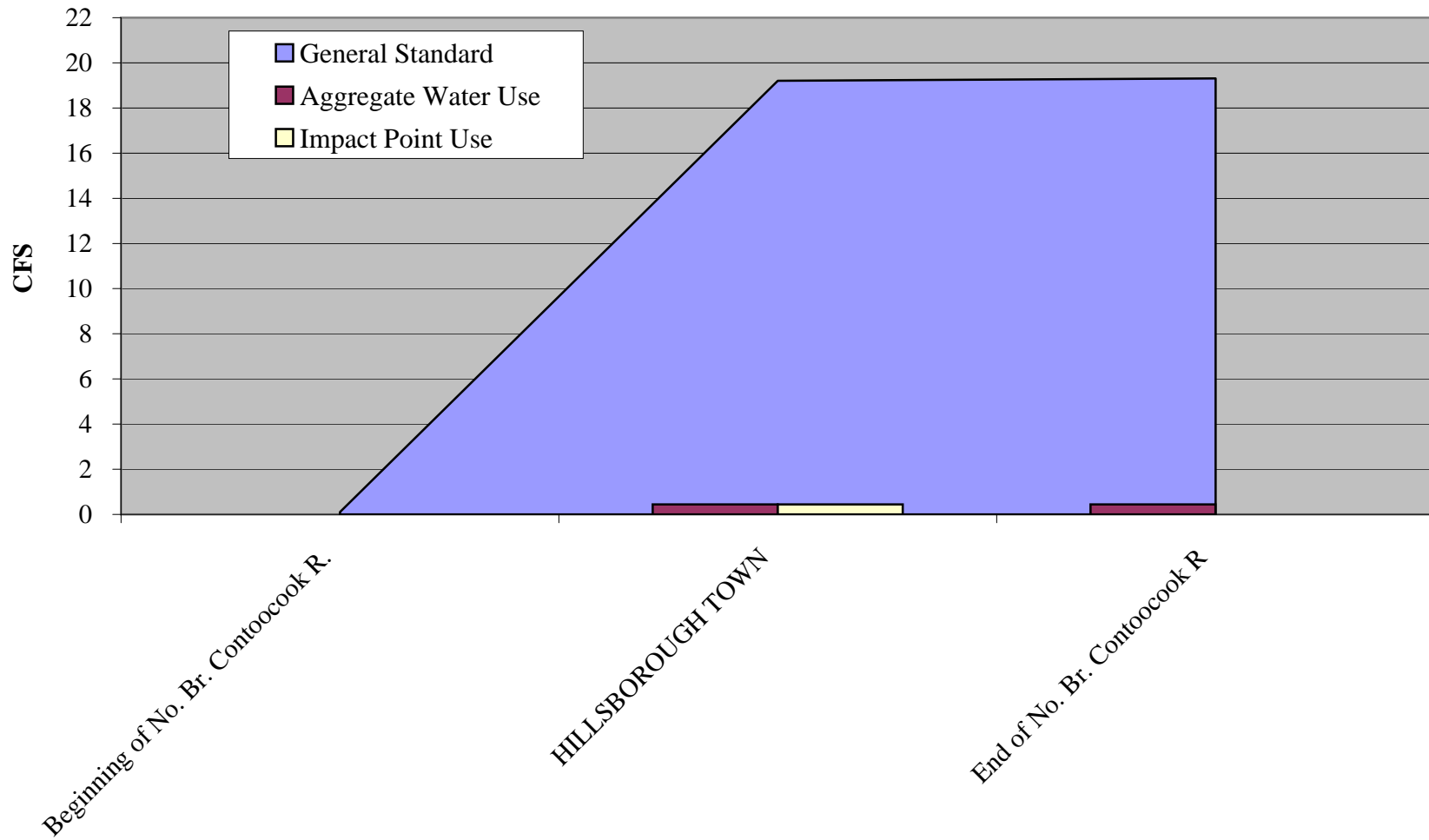
# March 2006 North Branch Contoocook



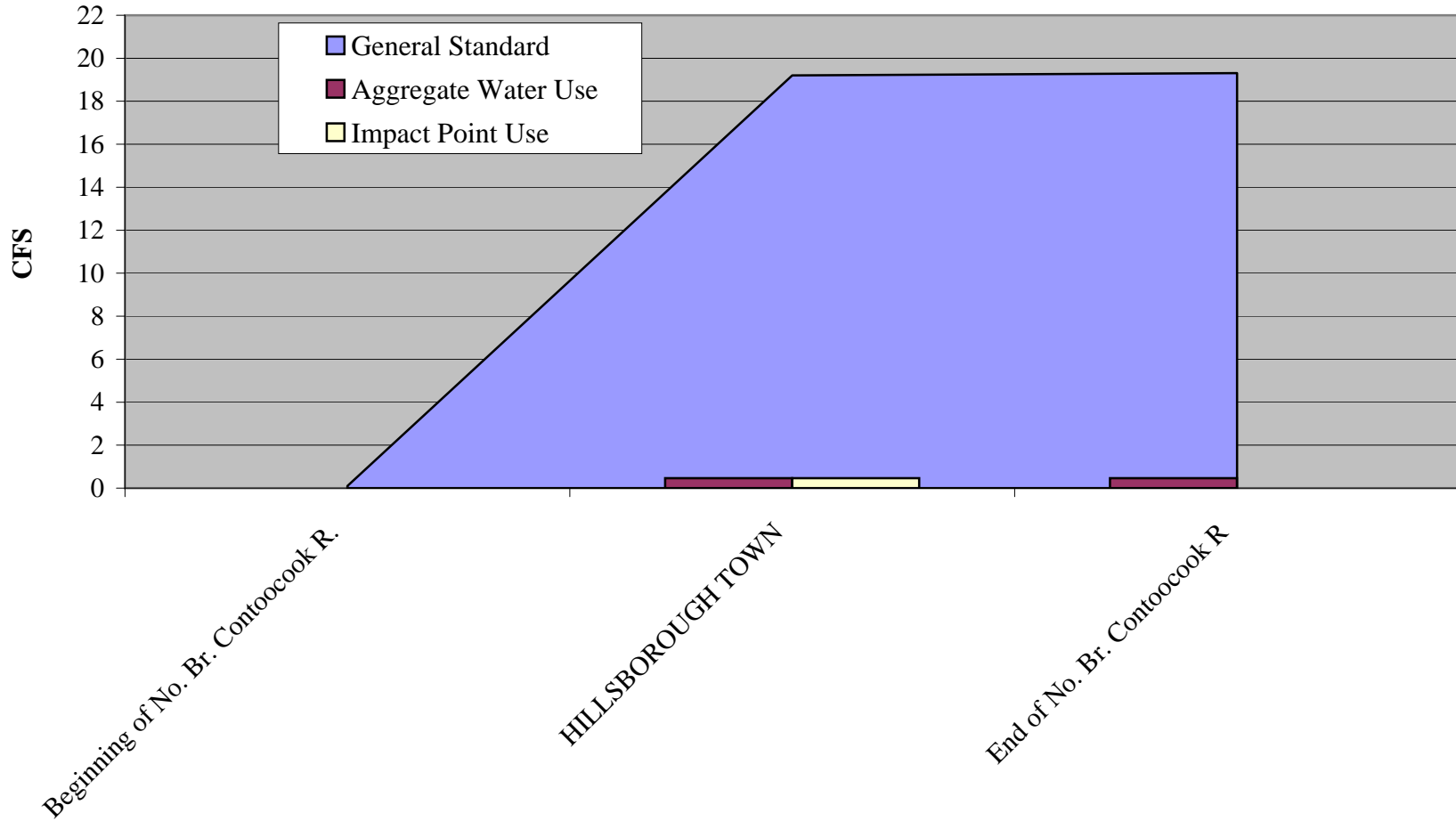
# April 2006 North Branch Contoocook



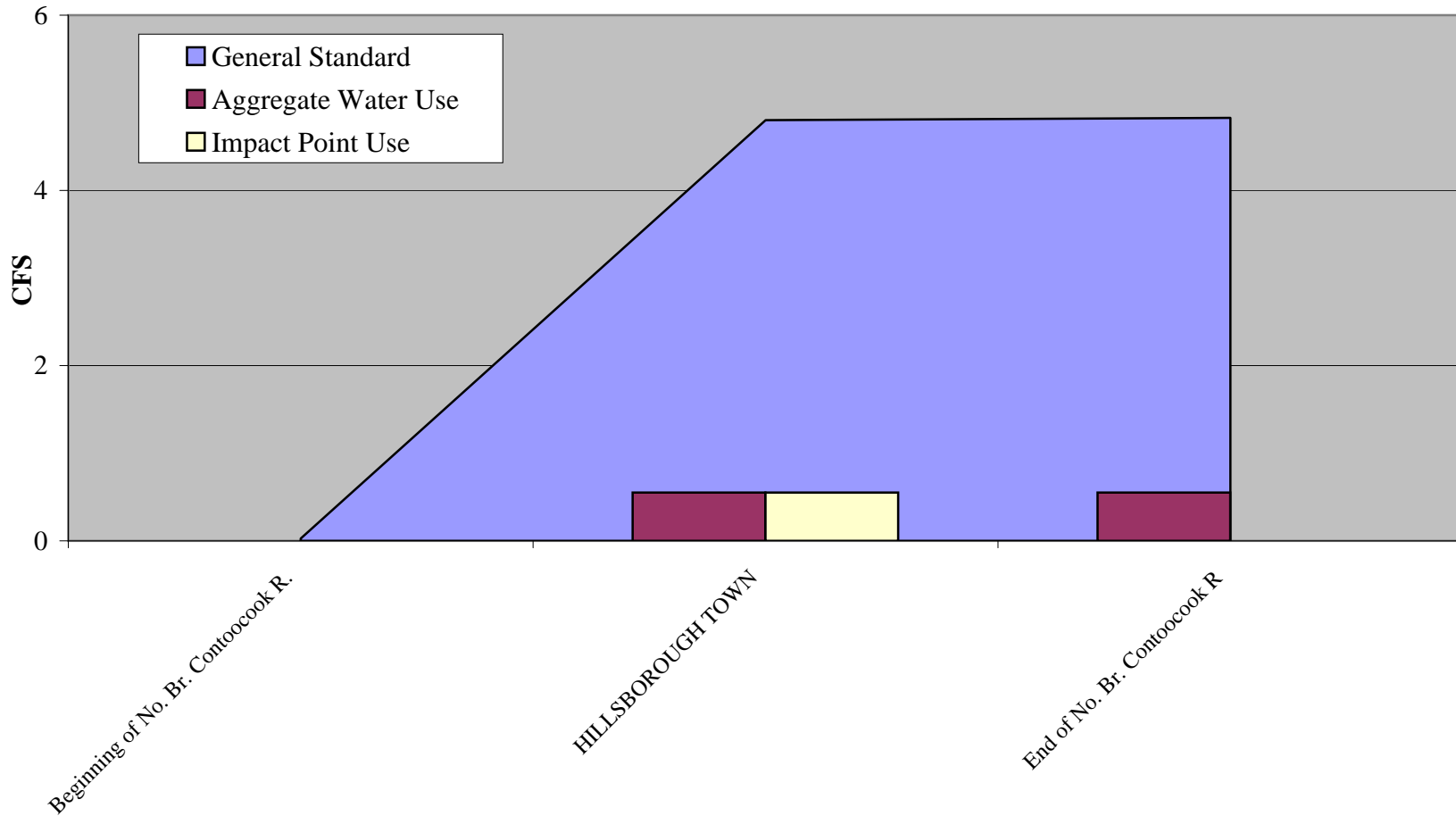
# May 2006 North Branch Contoocook



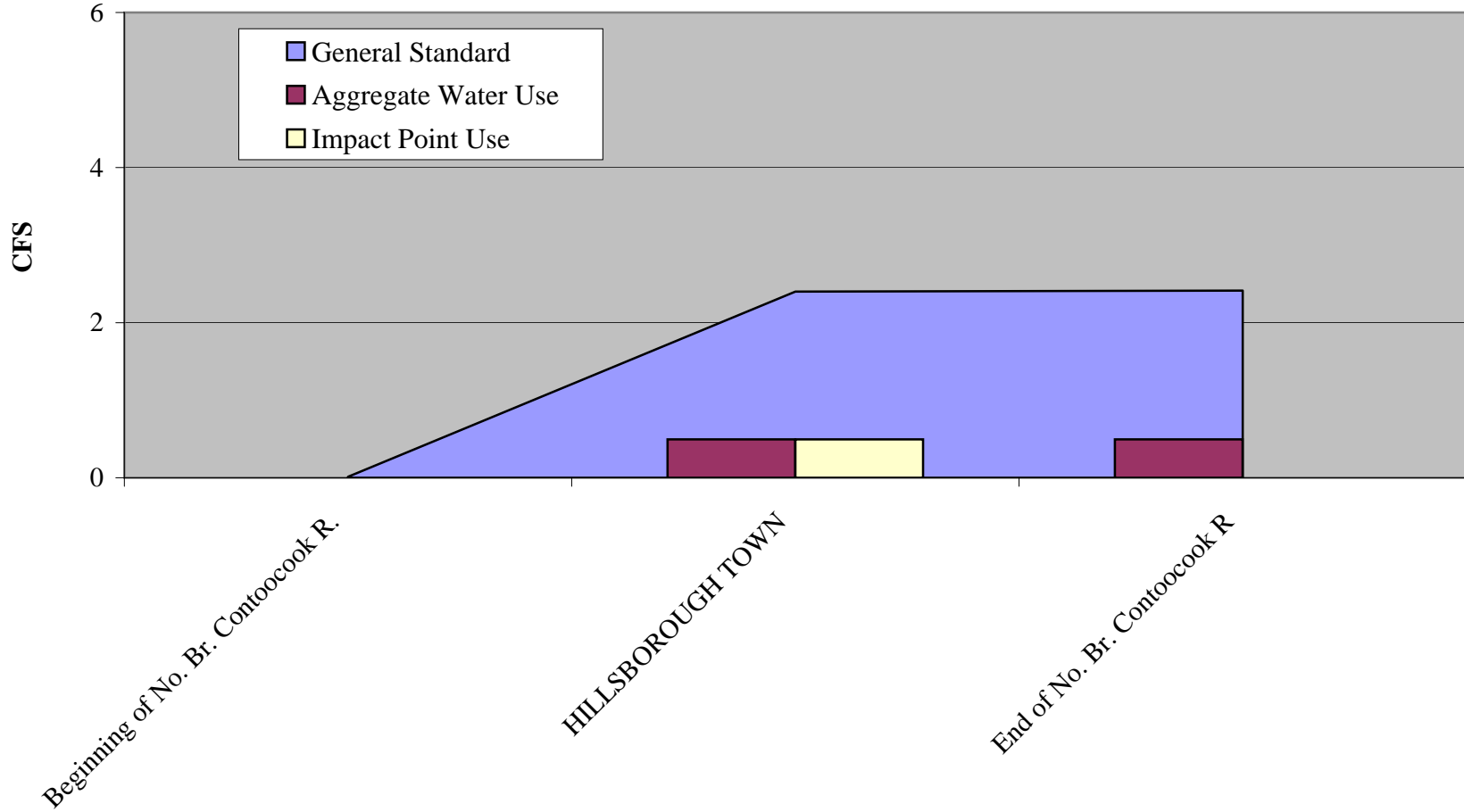
# June 2006 North Branch Contoocook



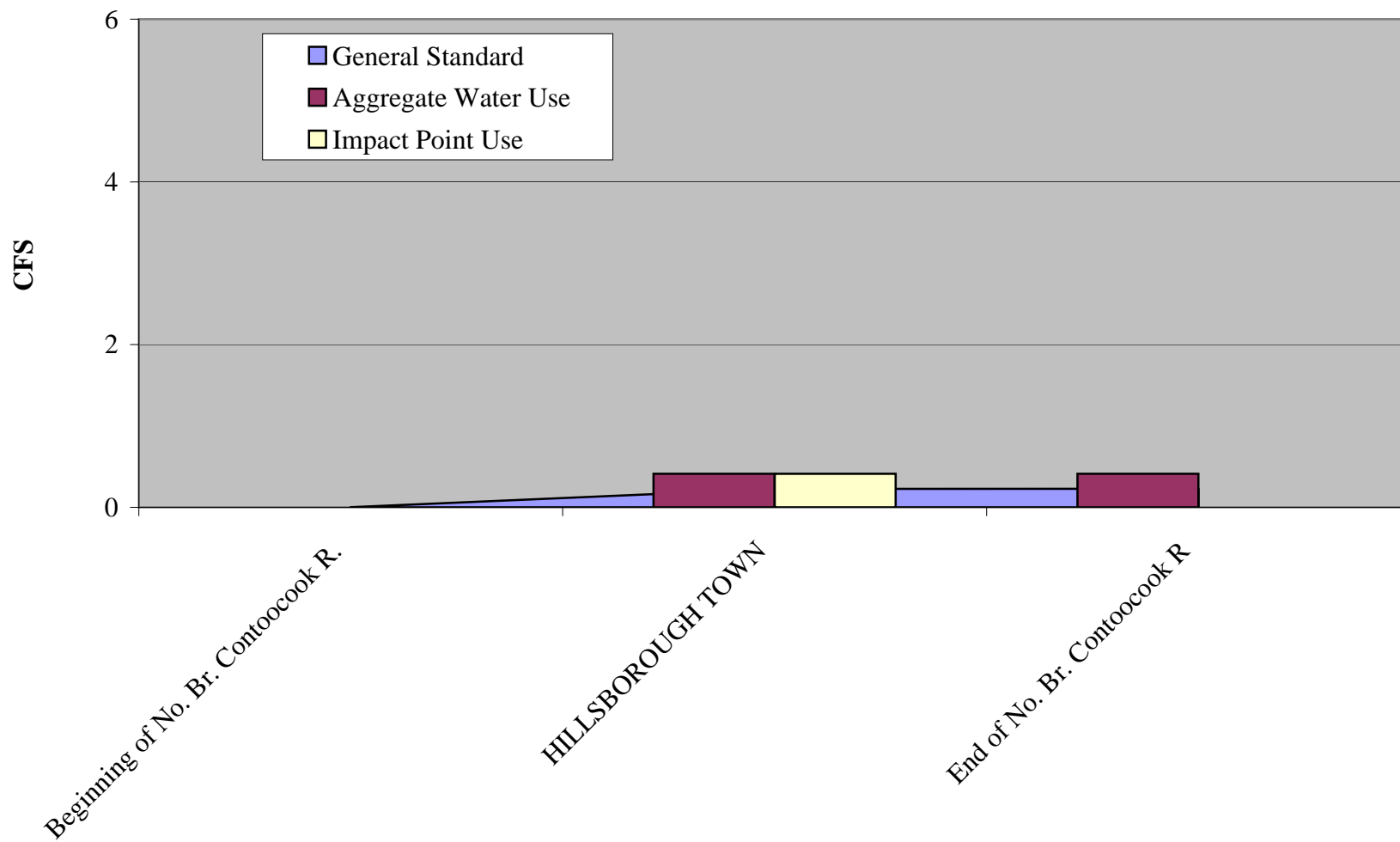
# July 2006 North Branch Contoocook



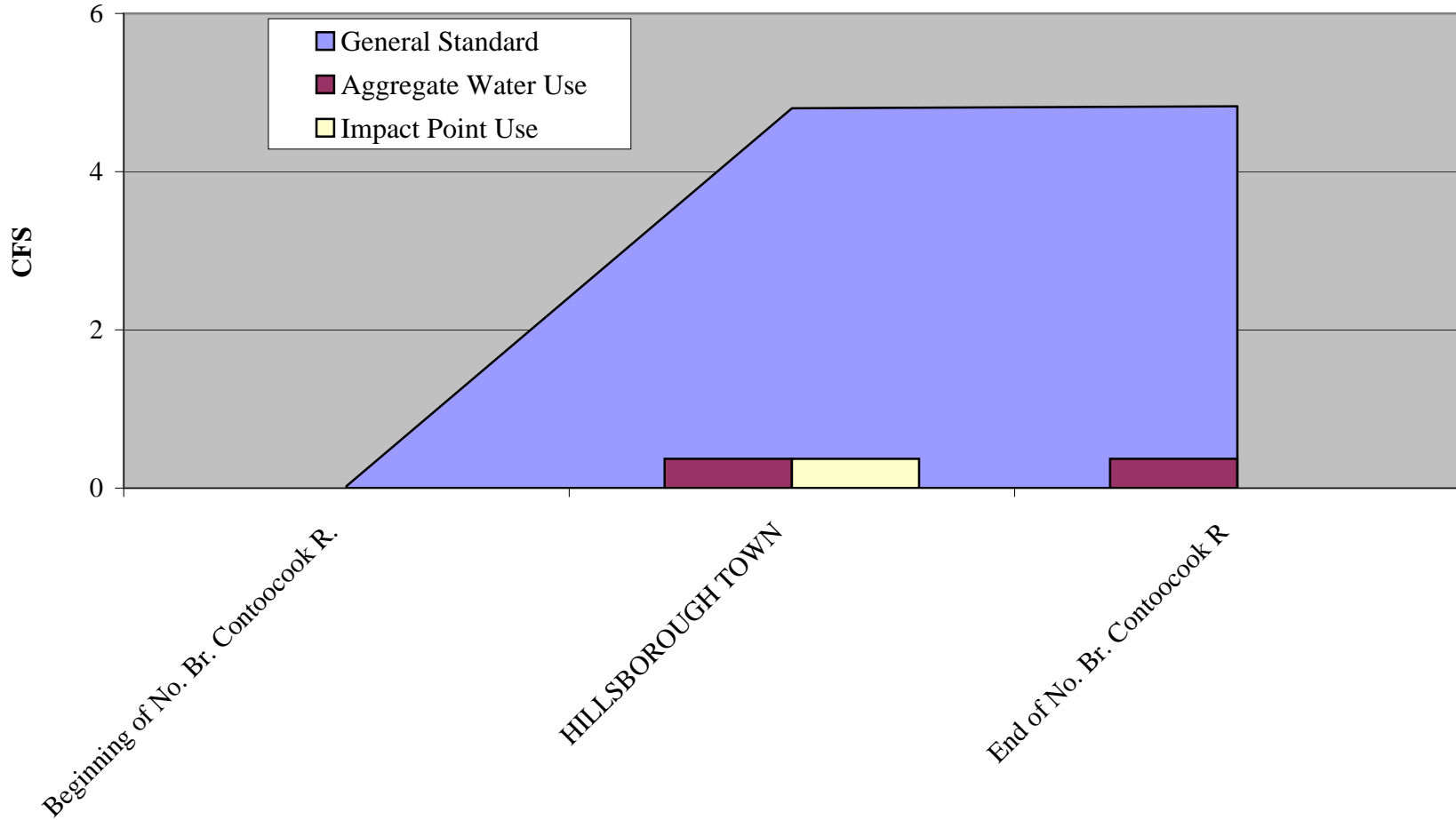
# August 2006 North Branch Contoocook



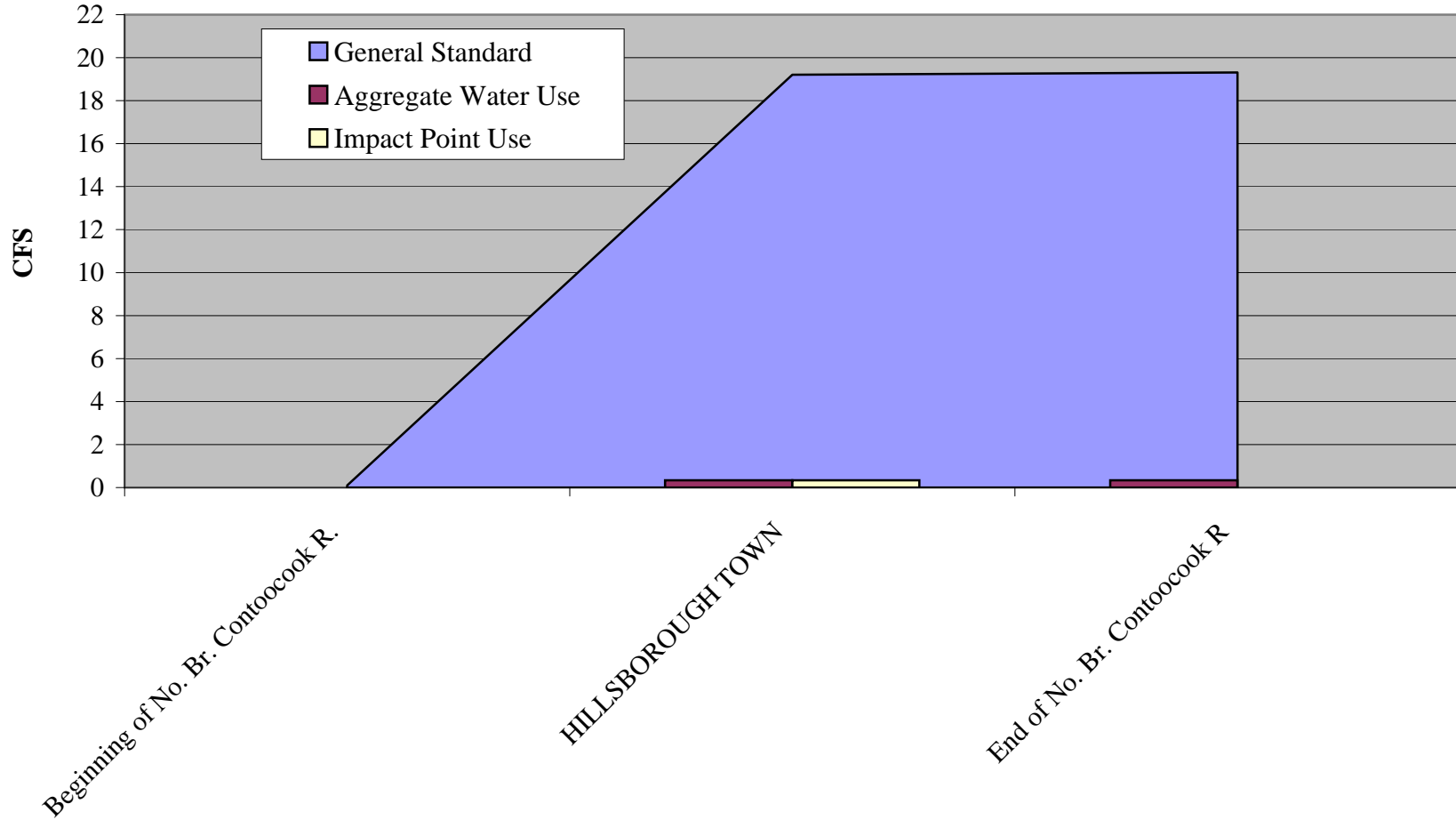
# September 2006 North Branch Contoocook



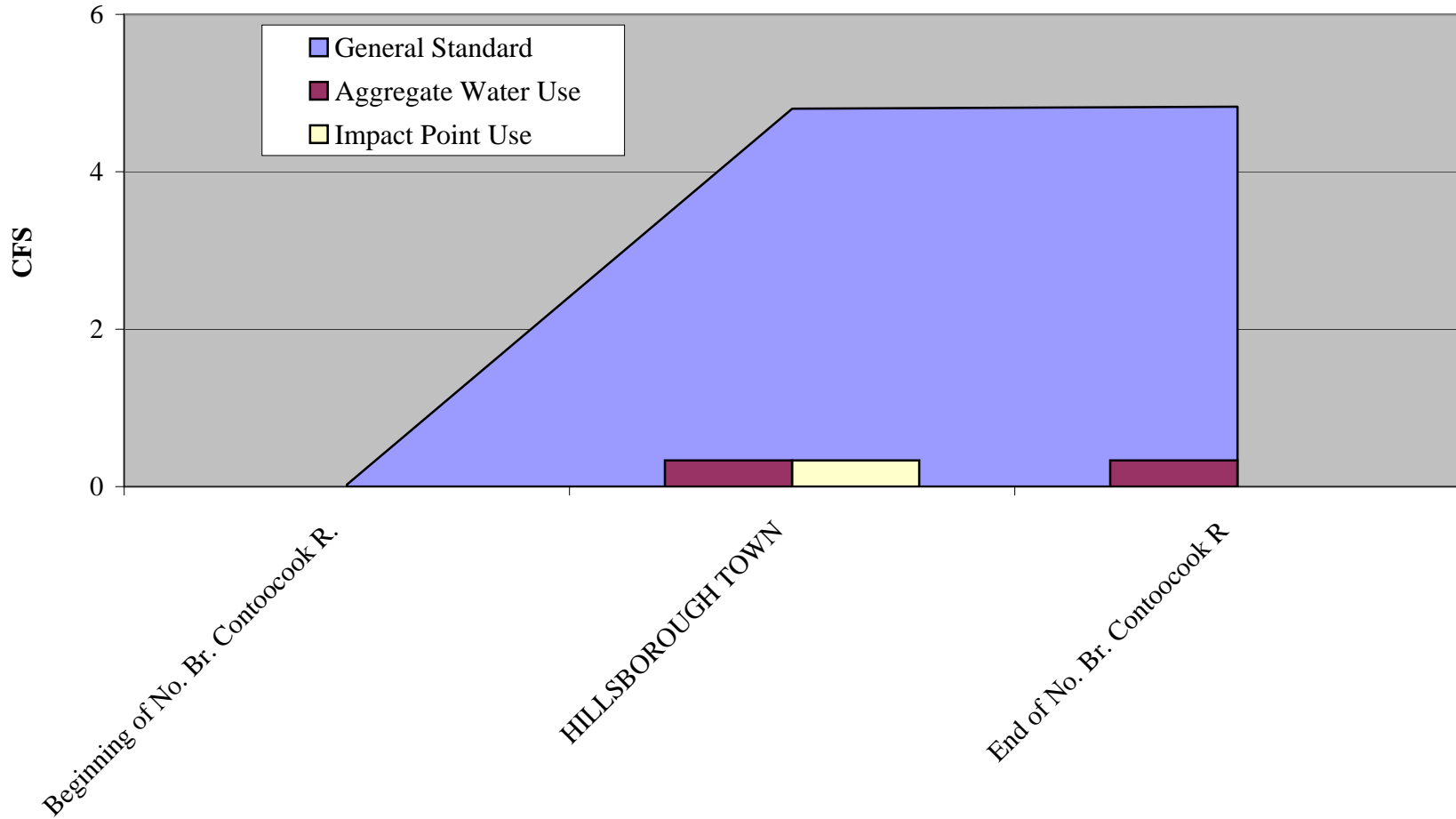
# October 2006 North Branch Contoocook



# November 2006 North Branch Contoocook



# December 2006 North Branch Contoocook





DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-S01	425.73	0.00	0.00	0.00	0.0112	0.0112	0.0928	0.0591	0.0352	0.00754	0.00	0.00	0.00
DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-D01	425.73												
CHI OPERATIONS INC	EHC HOAGUE SPRAUGE HYDRO	20465 20465-S01	425.78	232.862	182.800	267.022	265.333	191.869	279.453	236.278	8.540	6.472	236.847	332.402	339.898
BIO ENERGY LLC		20199 20199-S01	425.80	0	0	0	0	0	0	0	0	0	0	0	0
BIO ENERGY LLC		20199 20199-D01	425.80	0	0	0	0	0	0	0	0	0	0	0	0
CHI OPERATIONS INC	EHC HOAGUE SPRAUGE HYDRO	20465 20465-D01	425.91	(232.862)	(182.800)	(267.022)	(265.333)	(191.869)	(279.453)	(236.278)	(8.540)	(6.472)	(236.847)	(332.402)	(339.898)
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-S01	438.26	105.140	101.566	167.390	180.972	95.013	134.036	144.632	92.477	40.086	68.952	69.403	179.900
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-D01	438.26	(105.140)	(101.566)	(167.390)	(180.972)	(95.013)	(134.036)	(144.632)	(92.477)	(40.086)	(68.952)	(69.403)	(179.900)
HOPKINTON VILLAGE PREC	CONTOOCOOK WWTP	20090 20090-D01	438.26	(0.127)	(0.118)	(0.090)	(0.158)	(0.192)	(0.147)	(0.129)	(0.085)	0.000	(0.052)	(0.116)	(0.095)
WARNER VILLAGE FIRE DIST	WASTE WATER TREAT PLANT	20274 20274-D01	587.38	(0.090)	(0.084)	(0.073)	(0.077)	(0.171)	(0.139)	(0.108)	(0.097)	(0.088)	(0.096)	(0.116)	(0.104)
WARNER VILLAGE WATER DIST	WATER WORKS	20068 20068-S04	587.38	0.0596	0.0466	0.0529	0.0606	0.0570	0.0725	0.0740	0.0676	0.0541	0.0739	0.0569	0.00582
WARNER VILLAGE WATER DIST	WATER WORKS	20068 20068-S02	587.38	0.0550	0.0598	0.0602	0.0702	0.0737	0.0592	0.0620	0.0685	0.0852	0.0695	0.0638	0.0470
Warner River	Warner River		587.38												
LAKE SUNAPEE COUNTRY CLUB		20237 20237-S01	724.11	0.00	0.00	0.00	0.0140	0.0105	0.0623	0.0822	0.129	0.0212	0.00098	0.00	0.00
LAKE SUNAPEE COUNTRY CLUB		20237 20237-D01	724.11												
COUNTRY CLUB OF NH	COUNTRY CLUB OF NH/SUTTON	20226 20226-S01	724.11	0.00	0.00	0.00	0.00	0.0430	0.0331	0.0762	0.109	0.0348	0.00	0.00	0.00
COUNTRY CLUB OF NH	COUNTRY CLUB OF NH/SUTTON	20226 20226-D01	724.11												
ANDOVER VILLAGE DISTRICT	WATER WORKS	20001 20001-S01	724.11	0.091	0.102	0.776	0.614	0.104	0.110	0.110	0.109	0.095	0.102	0.082	0.080
Blackwater River	Blackwater River		724.11												
HOPKINTON VILLAGE PREC		20023 20023-S01	753.07	0.039	0.040	0.037	0.039	0.044	0.050	0.059	0.052	0.047	0.045	0.040	0.039
CONCORD CITY	WATER WORKS	20005 20005-S02	756.41	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0	0
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-S01	762.95	1739.12	1633.25	1080.18	1163.14	1489.18	1751.94	1293.42	520.86	254.66	1146.60	1764.58	1541.61
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-D01	762.95	(1739.12)	(1633.25)	(1080.18)	(1163.14)	(1489.18)	(1751.94)	(1293.42)	(520.86)	(254.66)	(1146.60)	(1764.58)	(1541.61)
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-S01	763.57	1716.01	1510.67	1137.93	1210.84	1346.25	1660.20	1359.27	585.89	304.06	1072.83	1724.77	1575.39
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-D01	763.57	(1716.01)	(1510.67)	(1137.93)	(1210.84)	(1346.25)	(1660.20)	(1359.27)	(585.89)	(304.06)	(1072.83)	(1724.77)	(1575.39)
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-S01	763.87	1606.28	1410.71	1087.17	1175.79	1286.43	1583.97	1268.95	569.80	308.85	1057.46	1388.91	1510.15
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-D01	763.87	(1606.28)	(1410.71)	(1087.17)	(1175.79)	(1286.43)	(1583.97)	(1268.95)	(569.80)	(308.85)	(1057.46)	(1388.91)	(1510.15)
End of DR at Confluence with Merrimack	End of DR at Confluence with Merrimack		764.02												
Tributaries and DR enpoints															

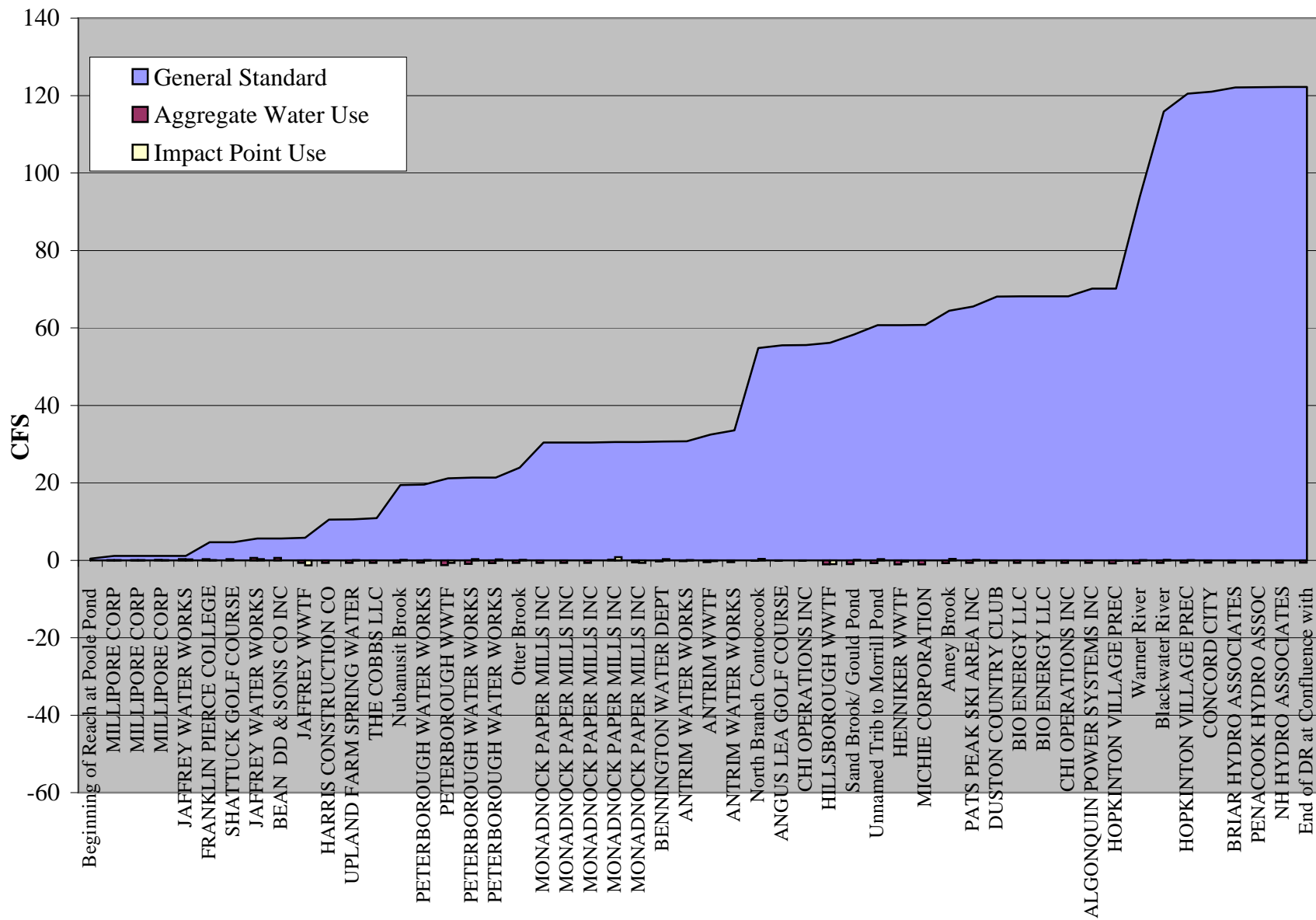
2006 Mainstem Contoocook Aggregate Water Use in CFS															
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of Reach at Poole Pond	Beginning of Reach at Poole Pond		2.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MILLIPORE CORP		20141 20141-S04	6.8	0.038	0.034	0.030	0.029	0.0068	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MILLIPORE CORP		20141 20141-S03	6.8	0.052	0.049	0.050	0.046	0.023	0.02	0.017	0.017	0.011	0.010	0.016	0.017
MILLIPORE CORP		20141 20141-S02	6.8	0.096	0.099	0.10	0.096	0.11	0.11	0.10	0.094	0.088	0.084	0.086	0.086
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S03	6.8	0.30	0.38	0.31	0.31	0.35	0.36	0.31	0.29	0.32	0.29	0.30	0.30
FRANKLIN PIERCE COLLEGE	FRANKLIN PIERCE COLLEGE	20598 20598-S09	29.2	0.32	0.41	0.34	0.34	0.37	0.37	0.33	0.31	0.34	0.32	0.33	0.30
SHATTUCK GOLF COURSE	SHATTUCK INN ASSOCIATION	20528 20528-S01	29.2	0.32	0.41	0.34	0.34	0.37	0.46	0.44	0.43	0.38	0.32	0.33	0.30
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S04	34.9	0.59	0.61	0.60	0.61	0.66	0.76	0.69	0.65	0.64	0.58	0.59	0.56
BEAN DD & SONS CO INC	HYDROPOWER FACILITY	20425 20425-D01	34.9	0.59	0.61	0.60	0.61	0.66	0.76	0.69	0.65	0.64	0.58	0.59	0.56
JAFFREY WWTF	WASTE WATER TREAT PLANT	20266 20266-D01	36.3	(0.70)	(0.48)	(0.099)	(0.085)	(0.43)	(0.560)	(0.120)	(0.009)	0.058	0.43	0.46	0.42
HARRIS CONSTRUCTION CO		20172 20172-S01	65.8	(0.70)	(0.48)	(0.099)	(0.032)	(0.35)	(0.470)	0.009	0.069	0.17	0.53	0.52	0.43
UPLAND FARM SPRING WATER	UPLAND FARM SPRING	20722 20722-S01	66.0	(0.69)	(0.47)	(0.073)	(0.018)	(0.33)	(0.442)	0.029	0.086	0.19	0.54	0.54	0.45
THE COBBS LLC	NOONE FALLS HYDRO	20420 20420-D01	68.1	(0.69)	(0.47)	(0.073)	(0.018)	(0.33)	(0.442)	0.029	0.086	0.19	0.54	0.54	0.45
Nubanusit Brook	Nubanusit Brook		121.2	(0.60)	(0.38)	0.011	0.065	(0.21)	(0.324)	0.123	0.18	0.26	0.61	0.58	0.50
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S02	122.1	(0.59)	(0.36)	0.033	0.079	(0.19)	(0.307)	0.140	0.20	0.28	0.63	0.60	0.51
PETERBOROUGH WWTF	WASTE WATER TREAT PLANT	20290 20290-D01	132.2	(1.3)	(1.3)	(0.773)	(0.564)	(0.87)	(1.152)	(0.726)	(0.67)	(0.40)	0.04	0.0031	0.0023
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S04	133.5	(0.96)	(1.2)	(0.325)	(0.465)	(0.58)	(1.034)	(0.551)	(0.45)	(0.35)	0.54	0.14	0.21
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S01	133.5	(0.75)	(0.88)	(0.292)	(0.086)	(0.21)	(0.502)	(0.067)	(0.078)	0.15	0.65	0.20	0.48
Otter Brook	Otter Brook		149.3	(0.68)	(0.80)	(0.221)	(0.018)	(0.13)	(0.414)	0.0057	(0.0023)	0.23	0.72	0.27	0.55
MONADNOCK PAPER MILLS INC	MONADNOCK POWER STATION	20325 20325-D01	190.0	(0.68)	(0.80)	(0.221)	(0.018)	(0.13)	(0.414)	0.0057	(0.0023)	0.23	0.72	0.27	0.55
MONADNOCK PAPER MILLS INC	PIERCE POWER STATION	20326 20326-D01	190.0	(0.68)	(0.80)	(0.221)	(0.018)	(0.13)	(0.414)	0.0057	(0.0023)	0.23	0.72	0.27	0.55
MONADNOCK PAPER MILLS INC	HI GATE DAM	20327 20327-D01	190.2	(0.68)	(0.80)	(0.221)	(0.018)	(0.13)	(0.414)	0.0057	(0.0023)	0.23	0.72	0.27	0.55
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-S02	190.8	0.15	(0.16)	0.618	0.72	0.65	0.253	0.61	0.92	1.1	1.5	1.0	1.3
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-D01	190.9	(0.55)	(0.71)	(0.054)	0.10	0.02	(0.398)	0.092	0.15	0.38	0.87	0.39	0.67
BENNINGTON WATER DEPT	WATER WORKS	20043 20043-S01	191.5	(0.27)	(0.39)	0.281	0.40	0.23	(0.261)	0.24	0.30	0.52	0.97	0.43	0.67
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S02	192.0	(0.23)	(0.39)	0.281	0.40	0.30	(0.100)	0.42	0.47	0.69	1.1	0.67	0.93
ANTRIM WWTF	WASTE WATER TREAT PLANT	20315 20315-D01	202.7	(0.46)	(0.60)	0.132	0.26	0.062	(0.378)	0.26	0.33	0.57	0.99	0.47	0.77
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S01	209.6	(0.46)	(0.60)	0.132	0.26	0.062	(0.378)	0.26	0.33	0.57	0.99	0.47	0.77
North Branch Contoocook Designated River	North Branch Contoocook Designated River		342.4	(0.088)	(0.19)	0.541	0.66	0.51	0.085	0.81	0.83	0.98	1.4	0.81	1.1
ANGUS LEA GOLF COURSE	GOLF COURSE	20619 20619-S01	346.8	(0.088)	(0.19)	0.541	0.70	0.54	0.093	0.89	0.87	1.01	1.4	0.81	1.1
CHI OPERATIONS INC	HILLSBOROUGH HYDRO PROJEC	20491 20491-D01	347.4	(0.088)	(0.19)	0.541	0.70	0.54	0.093	0.89	0.87	1.01	1.4	0.81	1.1
HILLSBOROUGH WWTF	WASTE WATER TREAT PLANT	20289 20289-D01	351.0	(1.1)	(1.1)	(0.066)	0.097	(0.48)	(1.0)	0.14	0.35	0.41	0.81	0.042	0.45
Sand Brook/ Gould Pond	Sand Brook/ Gould Pond		364.3	(0.98)	(0.99)	0.056	0.19	(0.38)	(0.90)	0.26	0.45	0.51	0.91	0.15	0.55
Unnamed Trib to Morrill Pond	Unnamed Trib to Morrill Pond		379.5	(0.71)	(0.73)	0.306	0.50	(0.075)	(0.62)	0.59	0.76	0.83	1.2	0.43	0.82
HENNIKER WWTF	WASTE WATER TREAT PLANT	20088 20088-D01	379.6	(1.1)	(1.1)	0.014	0.21	(0.52)	(1.1)	0.27	0.49	0.51	0.95	0.11	0.52
MICHIE CORPORATION	MICHIE CORPORATION	20211 20211-S01	379.8	(1.1)	(1.1)	0.014	0.42	(0.36)	(0.90)	0.46	0.69	0.80	1.2	0.30	0.74
Amey Brook	Amey Brook		402.8	(0.73)	(0.94)	0.21	0.64	(0.097)	(0.65)	0.77	1.0	1.1	1.4	0.51	1.1
PATS PEAK SKI AREA INC	PATS PEAK SKI AREA	20256 20256-S04	409.7	(0.67)	(0.94)	0.21	0.64	(0.097)	(0.65)	0.77	1.0	1.1	1.4	0.67	1.3
DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-S01	425.7	(0.67)	(0.94)	0.21	0.65	(0.085)	(0.55)	0.83	1.0	1.1	1.4	0.67	1.3
BIO ENERGY LLC		20199 20199-S01	425.8	(0.67)	(0.94)	0.21	0.65	(0.085)	(0.55)	0.83	1.0	1.1	1.4	0.67	1.3
BIO ENERGY LLC		20199 20199-D01	425.8	(0.67)	(0.94)	0.21	0.65	(0.085)	(0.55)	0.83	1.0	1.1	1.4	0.67	1.3
CHI OPERATIONS INC	EHC HOAGUE SPRAUGE HYDRO	20465 20465-D01	425.9	(0.67)	(0.94)	0.21	0.65	(0.085)	(0.55)	0.83	1.0	1.1	1.4	0.67	1.3
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-D01	438.3	(0.67)	(0.94)	0.21	0.65	(0.085)	(0.55)	0.83	1.0	1.1	1.4	0.67	1.3
HOPKINTON VILLAGE PREC	CONTOCOOK WWTP	20090 20090-D01	438.3	(0.80)	(1.06)	0.12	0.49	(0.28)	(0.70)	0.70	1.0	1.1	1.3	0.55	1.2
Warner River	Warner River		587.4	(0.77)	(1.03)	0.16	0.54	(0.32)	(0.71)	0.73	1.0	1.1	1.4	0.56	1.2
Blackwater River	Blackwater River		724.1	(0.68)	(0.93)	0.93	1.2	(0.16)	(0.50)	1.0	1.3	1.3	1.5	0.64	1.2
HOPKINTON VILLAGE PREC		20023 20023-S01	753.1	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3
CONCORD CITY	WATER WORKS	20005 20005-S02	756.4	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-D01	763.0	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-D01	763.6	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-D01	763.9	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3
End of DR at Confluence with Merrimack	End of DR at Confluence with Merrimack		764.0	(0.64)	(0.89)	0.97	1.2	(0.12)	(0.45)	1.1	1.4	1.3	1.5	0.68	1.3

2006 Mainstem Contoocook Estimated Monthly Stream Flow at Each Impact Point in CFS			DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	USGS 01082000 CONTOOCCOOK RIVER AT PETERBOROUGH, NH	Calculated Monthly mean (cfsm)	68.1	4.63	3.35	1.38	1.56	4.33	4.32	1.33	0.69	0.46	1.86	3.54	1.57
	USGS 01085500 CONTOOCCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	Calculated Monthly mean (cfsm)	426.0	4.42	3.73	1.65	1.55	4.11	5.25	1.60	0.71	0.53	1.99	4.17	2.31
	USGS 01086000 WARNER RIVER AT DAVISVILLE, NH	Calculated Monthly mean (cfsm)	145.4	4.39	3.25	1.62	1.98	8.53	5.45	2.51	0.80	0.35	2.09	4.32	2.49
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of Reach at Poole Pond	Beginning of Reach at Poole Pond		2.7	13	9.1	3.8	4.2	12	12	3.6	1.9	1.2	5.0	10	4.2
MILLIPORE CORP		20141 20141-S03	6.8	32	23	9.5	11	30	30	9.1	4.7	3.1	13	24	11
MILLIPORE CORP		20141 20141-S02	6.8	32	23	9.5	11	30	30	9.1	4.7	3.1	13	24	11
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S03	6.8	32	23	9.5	11	30	30	9.1	4.7	3.1	13	24	11
FRANKLIN PIERCE COLLEGE	FRANKLIN PIERCE COLLEGE	20598 20598-S09	29.2	135	98	40	45	126	126	39	20	13	54	103	46
SHATTUCK GOLF COURSE	SHATTUCK INN ASSOCIATION	20528 20528-S01	29.2	135	98	40	45	126	126	39	20	13	54	103	46
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S04	34.9	162	117	48	54	151	151	46	24	16	65	124	55
BEAN DD & SONS CO INC	HYDROPOWER FACILITY	20425 20425-D01	34.9	162	117	48	54	151	151	46	24	16	65	124	55
JAFFREY WWTF	WASTE WATER TREAT PLANT	20266 20266-D01	36.3	168	122	50	56	157	157	48	25	17	67	128	57
HARRIS CONSTRUCTION CO		20172 20172-S01	65.8	305	220	91	102	285	285	87	45	30	122	233	103
UPLAND FARM SPRING WATER	UPLAND FARM SPRING	20722 20722-S01	66.0	305	221	91	103	286	285	87	45	30	123	233	103
THE COBBS LLC	NOONE FALLS HYDRO	20420 20420-D01	68.1	315	228	94	106	295	295	90	47	31	127	241	107
Nubanusit Brook	Nubanusit Brook		121.2	557	413	173	188	521	541	166	84	57	228	440	203
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S02	122.1	561	416	174	190	525	545	167	84	57	229	444	205
PETERBOROUGH WWTF	WASTE WATER TREAT PLANT	20290 20290-D01	132.2	607	452	189	206	568	594	182	91	62	249	483	225
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S04	133.5	613	456	191	208	573	600	184	92	63	251	488	227
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S01	133.5	613	456	191	208	573	600	184	92	63	251	488	227
Otter Brook	Otter Brook		149.3	684	513	216	232	640	677	207	103	71	282	550	259
MONADNOCK PAPER MILLS INC	MONADNOCK POWER STATION	20325 20325-D01	190.0	866	661	280	295	809	881	270	132	92	362	713	345
MONADNOCK PAPER MILLS INC	PIERCE POWER STATION	20326 20326-D01	190.0	866	661	280	295	809	882	270	132	92	362	713	346
MONADNOCK PAPER MILLS INC	HI GATE DAM	20327 20327-D01	190.2	867	662	280	296	810	883	270	132	92	362	714	346
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-S02	190.8	869	664	281	297	812	886	271	133	92	363	717	347
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-D01	190.9	870	664	282	297	813	886	271	133	92	363	717	348
BENNINGTON WATER DEPT	WATER WORKS	20043 20043-S01	191.5	872	666	283	298	815	889	272	133	92	365	719	349
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S02	192.0	875	668	283	299	817	892	273	134	93	366	722	350
ANTRIM WWTF	WASTE WATER TREAT PLANT	20315 20315-D01	202.7	922	708	301	315	861	947	290	141	98	387	765	374
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S01	209.6	952	733	312	326	890	983	301	146	102	400	794	390
North Branch Contoocook	North Branch Contoocook		342.4	1529	1247	544	532	1425	1724	526	242	176	671	1378	731
ANGUS LEA GOLF COURSE	GOLF COURSE	20619 20619-S01	346.8	1548	1264	552	539	1443	1750	534	245	179	680	1398	744
CHI OPERATIONS INC	HILLSBOROUGH HYDRO PROJEC	20491 20491-D01	347.4	1551	1267	553	540	1445	1754	535	246	179	681	1401	745
HILLSBOROUGH WWTF	WASTE WATER TREAT PLANT	20289 20289-D01	351.0	1566	1281	560	545	1459	1775	542	248	181	688	1418	756
Sand Brook/ Gould Pond	Sand Brook/ Gould Pond		364.3	1622	1335	585	566	1511	1855	566	258	189	716	1480	794
Unnamed Trib to Morrill Pond	Unnamed Trib to Morrill Pond		379.5	1687	1397	613	590	1571	1947	594	270	198	748	1553	840
HENNIKER WWTF	WASTE WATER TREAT PLANT	20088 20088-D01	379.6	1687	1397	614	590	1571	1947	594	270	198	748	1553	840
MICHIE CORPORATION	MICHIE CORPORATION	20211 20211-S01	379.8	1688	1398	614	590	1572	1949	595	270	199	749	1554	841
Amey Brook	Amey Brook		402.8	1784	1493	658	626	1661	2091	638	287	213	798	1664	911
PATS PEAK SKI AREA INC	PATS PEAK SKI AREA	20256 20256-S04	409.7	1814	1521	671	636	1688	2134	651	292	217	812	1698	932
DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-S01	425.7	1880	1588	703	661	1750	2235	682	304	227	847	1777	983
BIO ENERGY LLC		20199 20199-S01	425.8	1881	1588	703	661	1750	2236	682	304	227	847	1777	983
BIO ENERGY LLC		20199 20199-D01	425.8	1881	1588	703	661	1750	2236	682	304	227	847	1777	983
CHI OPERATIONS INC	EHC HOAGUE SPRAUDE HYDRO	20465 20465-D01	425.9	1881	1589	703	662	1751	2236	682	304	227	847	1777	983
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-D01	438.3	1935	1629	723	686	1856	2304	713	314	231	873	1831	1014
HOPKINTON VILLAGE PREC	CONTOOCCOOK WWTP	20090 20090-D01	438.3	1935	1629	723	686	1856	2304	713	314	231	873	1831	1014
Warner River	Warner River		587.4	2591	2114	965	982	3127	3116	1088	433	283	1184	2474	1386
Blackwater River	Blackwater River		724.1	3191	2558	1187	1253	4293	3860	1431	542	330	1470	3065	1726
HOPKINTON VILLAGE PREC		20023 20023-S01	753.1	3319	2652	1235	1310	4540	4018	1504	565	340	1531	3190	1798
CONCORD CITY	WATER WORKS	20005 20005-S02	756.4	3333	2663	1240	1317	4569	4036	1512	568	341	1538	3204	1807
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-D01	763.0	3362	2685	1251	1330	4624	4072	1529	573	344	1551	3232	1823
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-D01	763.6	3365	2687	1252	1331	4630	4075	1530	573	344	1553	3235	1825
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-D01	763.9	3366	2688	1252	1331	4632	4077	1531	573	344	1553	3236	1825
End of DR at Confluence with Merrimack	End of DR at Confluence with Merrimack		764.0	3367	2688	1252	1332	4633	4078	1531	574	344	1553	3237	1826

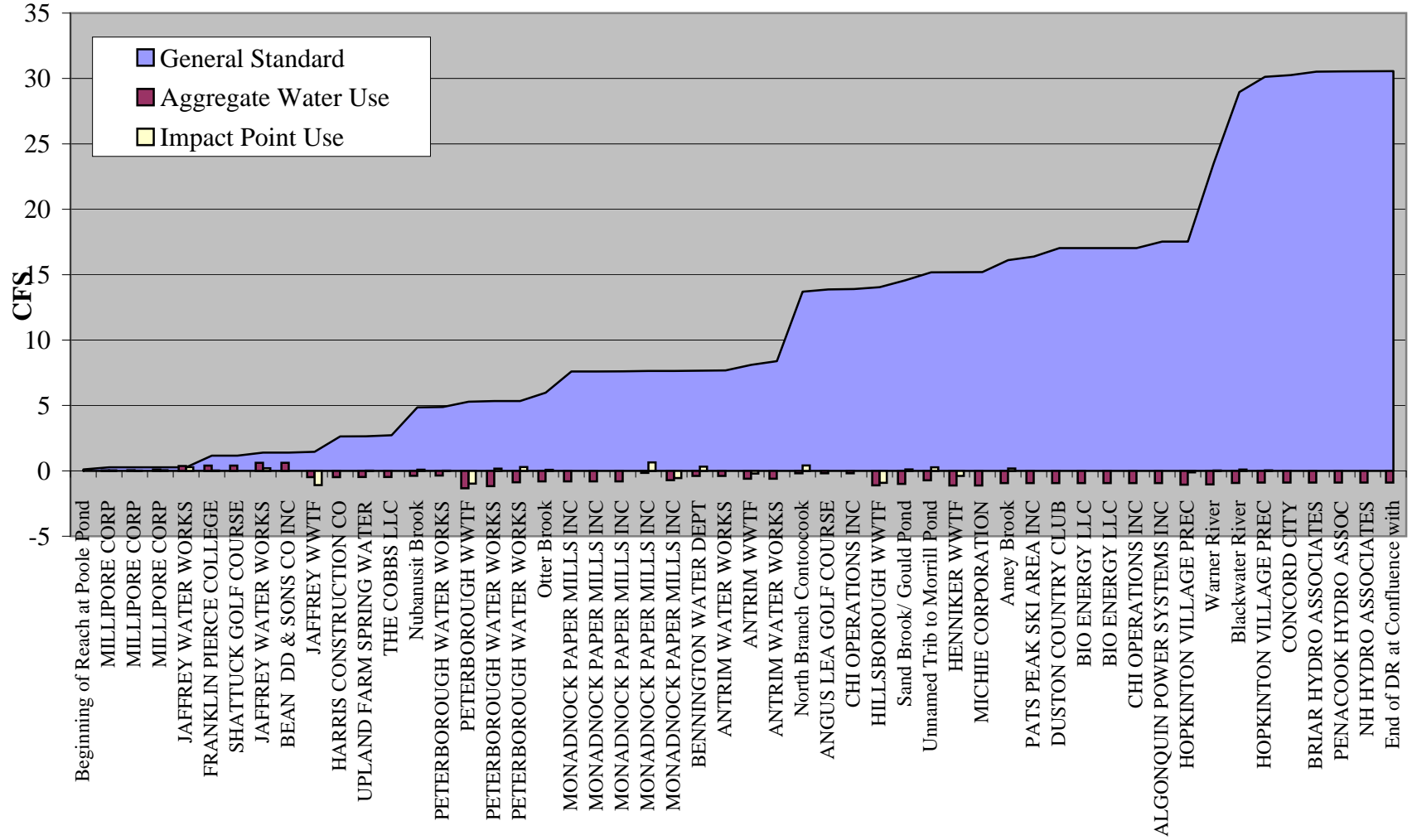
2006 Mainstem Contoocook Estimated Monthly General Standard at Each Impact Point in CFS	USGS 01082000 CONTOOCOOK RIVER AT PETERBOROUGH, NH	Calculated 7Q10 streamflow	68.1	0.092	6.3											
	USGS 01085500 CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH	Calculated 7Q10 streamflow	426.0	0.094	40.0											
	USGS 01086000 WARNER RIVER AT DAVISVILLE, NH	Calculated 7Q10 streamflow	145.4	0.038	5.5											
	WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Beginning of Reach at Poole Pond	Beginning of Reach at Poole Pond		2.7	0.43	0.11	0.11	0.11	0.43	0.43	0.11	0.05	0.01	0.11	0.11	0.11	
MILLIPORE CORP		20141 20141-S04	6.8	1.10	0.27	0.27	0.27	1.10	1.10	0.27	0.14	0.03	0.27	0.27	0.27	
MILLIPORE CORP		20141 20141-S03	6.8	1.10	0.27	0.27	0.27	1.10	1.10	0.27	0.14	0.03	0.27	0.27	0.27	
MILLIPORE CORP		20141 20141-S02	6.8	1.10	0.27	0.27	0.27	1.10	1.10	0.27	0.14	0.03	0.27	0.27	0.27	
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S03	6.8	1.10	0.27	0.27	0.27	1.10	1.10	0.27	0.14	0.03	0.27	0.27	0.27	
FRANKLIN PIERCE COLLEGE	FRANKLIN PIERCE COLLEGE	20598 20598-S09	29.2	4.7	1.2	1.17	1.17	4.7	4.7	1.17	0.58	0.13	1.17	1.17	1.17	
SHATTUCK GOLF COURSE	SHATTUCK INN ASSOCIATION	20528 20528-S01	29.2	4.7	1.2	1.17	1.17	4.7	4.7	1.17	0.58	0.13	1.17	1.17	1.17	
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S04	34.9	5.6	1.4	1.40	1.40	5.6	5.6	1.40	0.70	0.16	1.40	1.40	1.40	
BEAN DD & SONS CO INC	HYDROPOWER FACILITY	20425 20425-D01	34.9	5.6	1.4	1.40	1.40	5.6	5.6	1.40	0.70	0.16	1.40	1.40	1.40	
JAFFREY WWTF	WASTE WATER TREAT PLANT	20266 20266-D01	36.3	5.8	1.5	1.45	1.45	5.8	5.8	1.45	0.73	0.17	1.45	1.45	1.45	
HARRIS CONSTRUCTION CO		20172 20172-S01	65.8	10.5	2.6	2.6	2.6	11	10.5	2.6	1.32	0.30	2.6	2.6	2.6	
UPLAND FARM SPRING WATER	UPLAND FARM SPRING	20722 20722-S01	66.0	10.6	2.6	2.6	2.6	11	10.6	2.6	1.32	0.30	2.6	2.6	2.6	
THE COBBS LLC	NOONE FALLS HYDRO	20420 20420-D01	68.1	10.9	2.7	2.7	2.7	11	10.9	2.7	1.36	0.31	2.7	2.7	2.7	
Nubanusit Brook	Nubanusit Brook		121.2	19	4.8	4.8	4.8	19	19	4.8	2.4	0.56	4.8	4.8	4.8	
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S02	122.1	20	4.9	4.9	4.9	20	20	4.9	2.4	0.57	4.9	4.9	4.9	
PETERBOROUGH WWTF	WASTE WATER TREAT PLANT	20290 20290-D01	132.2	21	5.3	5.3	5.3	21	21	5.3	2.6	0.61	5.3	5.3	5.3	
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S04	133.5	21	5.3	5.3	5.3	21	21	5.3	2.7	0.62	5.3	5.3	5.3	
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S01	133.5	21	5.3	5.3	5.3	21	21	5.3	2.7	0.62	5.3	5.3	5.3	
Otter Brook	Otter Brook		149.3	24	6.0	6.0	6.0	24	24	6.0	3.0	0.69	6.0	6.0	6.0	
MONADNOCK PAPER MILLS INC	MONADNOCK POWER STATION	20325 20325-D01	190.0	30	7.6	7.6	7.6	30	30	7.6	3.8	0.88	7.6	7.6	7.6	
MONADNOCK PAPER MILLS INC	PIERCE POWER STATION	20326 20326-D01	190.0	30	7.6	7.6	7.6	30	30	7.6	3.8	0.88	7.6	7.6	7.6	
MONADNOCK PAPER MILLS INC	HI GATE DAM	20327 20327-D01	190.2	30	7.6	7.6	7.6	30	30	7.6	3.8	0.88	7.6	7.6	7.6	
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-S02	190.8	31	7.6	7.6	7.6	31	31	7.6	3.8	0.89	7.6	7.6	7.6	
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-D01	190.9	31	7.6	7.6	7.6	31	31	7.6	3.8	0.89	7.6	7.6	7.6	
BENNINGTON WATER DEPT	WATER WORKS	20043 20043-S01	191.5	31	7.7	7.7	7.7	31	31	7.7	3.8	0.89	7.7	7.7	7.7	
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S02	192.0	31	7.7	7.7	7.7	31	31	7.7	3.8	0.89	7.7	7.7	7.7	
ANTRIM WWTF	WASTE WATER TREAT PLANT	20315 20315-D01	202.7	32	8.1	8.1	8.1	32	32	8.1	4.1	0.94	8.1	8.1	8.1	
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S01	209.6	34	8.4	8.4	8.4	34	34	8.4	4.2	0.97	8.4	8.4	8.4	
North Branch Contoocook	North Branch Contoocook		342.4	55	14	14	14	55	55	14	6.8	6.8	14	55	14	
ANGUS LEA GOLF COURSE	GOLF COURSE	20619 20619-S01	346.8	55	14	14	14	55	55	14	6.9	6.9	14	55	14	
CHI OPERATIONS INC	HILLSBOROUGH HYDRO PROJEC	20491 20491-D01	347.4	56	14	14	14	56	56	14	6.9	6.9	14	56	14	
HILLSBOROUGH WWTF	WASTE WATER TREAT PLANT	20289 20289-D01	351.0	56	14	14	14	56	56	14	7.0	7.0	14	56	14	
Sand Brook/ Gould Pond	Sand Brook/ Gould Pond		364.3	58	15	15	15	58	58	15	7.3	7.3	15	58	15	
Unnamed Trib to Morrill Pond	Unnamed Trib to Morrill Pond		379.5	61	15	15	15	61	61	15	7.6	7.6	15	61	15	
HENNIKER WWTF	WASTE WATER TREAT PLANT	20088 20088-D01	379.6	61	15	15	15	61	61	15	7.6	7.6	15	61	15	
MICHIE CORPORATION	MICHIE CORPORATION	20211 20211-S01	379.8	61	15	15	15	61	61	15	7.6	7.6	15	61	15	
Amey Brook	Amey Brook		402.8	64	16	16	16	64	64	16	8.1	8.1	16	64	16	
PATS PEAK SKI AREA INC	PATS PEAK SKI AREA	20256 20256-S04	409.7	66	16	16	16	66	66	16	8.2	8.2	16	66	16	
DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-S01	425.7	68	17	17	17	68	68	17	8.5	8.5	17	68	17	
BIO ENERGY LLC		20199 20199-S01	425.8	68	17	17	17	68	68	17	8.5	8.5	17	68	17	
BIO ENERGY LLC		20199 20199-D01	425.8	68	17	17	17	68	68	17	8.5	8.5	17	68	17	
CHI OPERATIONS INC	EHC HOAGUE SPRAUGE HYDRO	20465 20465-D01	425.9	68	17	17	17	68	68	17	8.5	8.5	17	68	17	
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-D01	438.3	70	18	18	18	70	70	18	8.8	8.8	18	70	18	
HOPKINTON VILLAGE PREC	CONTOOCOOK WWTP	20090 20090-D01	438.3	70	18	18	18	70	70	18	8.8	8.8	18	70	18	
Warner River	Warner River		587.4	94	23	23	23	94	94	23	12	2.8	23	94	23	
Blackwater River	Blackwater River		724.1	116	29	29	29	116	116	29	14	3.4	29	116	29	
HOPKINTON VILLAGE PREC		20023 20023-S01	753.1	120	30	30	30	120	120	30	15	3.5	30	120	30	
CONCORD CITY	WATER WORKS	20005 20005-S02	756.4	121	30	30	30	121	121	30	15	3.6	30	121	30	
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-D01	763.0	122	31	31	31	122	122	31	15	3.6	31	122	31	
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-D01	763.6	122	31	31	31	122	122	31	15	3.6	31	122	31	
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-D01	763.9	122	31	31	31	122	122	31	15	3.6	31	122	31	
End of DR at Confluence with Merrimack	End of DR at Confluence with Merrimack		764.0	122	30.56	30.56	30.56	122.24	122.24	30.56	15	3.6	31	122	31	

2006 Mainstem Contoocook 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 Reach at Poole Pond	Beginning of Reach at Poole Pond		2.7	0.43	0.11	0.11	0.11	0.43	0.43	0.11	0.05	0.01	0.11	0.11	0.11
MILLIPORE CORP		20141 20141-S04	6.8	1.1	0.24	0.24	0.24	1.09	1.10	0.27	0.14	0.032	0.27	0.27	0.27
MILLIPORE CORP		20141 20141-S03	6.8	1.0	0.23	0.22	0.23	1.07	1.08	0.26	0.12	0.02	0.26	0.26	0.26
MILLIPORE CORP		20141 20141-S02	6.8	1.0	0.18	0.17	0.18	0.99	0.99	0.17	0.04	(0.056)	0.19	0.19	0.19
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S03	6.8	0.79	(0.10)	(0.041)	(0.037)	0.75	0.74	(0.041)	(0.15)	(0.29)	(0.016)	(0.026)	(0.021)
FRANKLIN PIERCE COLLEGE	FRANKLIN PIERCE COLLEGE	20598 20598-S09	29.2	4.3	0.76	0.83	0.82	4.3	4.3	0.84	0.28	(0.21)	0.84	0.84	0.87
SHATTUCK GOLF COURSE	SHATTUCK INN ASSOCIATION	20528 20528-S01	29.2	4.3	0.76	0.83	0.82	4.3	4.2	0.73	0.15	(0.24)	0.84	0.84	0.87
JAFFREY WATER WORKS	WATER WORKS	20051 20051-S04	34.9	5.0	0.79	0.80	0.79	4.9	4.8	0.71	0.050	(0.48)	0.82	0.81	0.84
BEAN DD & SONS CO INC	HYDROPOWER FACILITY	20425 20425-D01	34.9	5.0	0.79	0.80	0.79	4.9	4.8	0.71	0.050	(0.48)	0.82	0.81	0.84
JAFFREY WWTF	WASTE WATER TREAT PLANT	20266 20266-D01	36.3	5.8	1.45	1.45	1.45	5.8	5.8	1.45	0.73	0.11	1.02	0.99	1.0
HARRIS CONSTRUCTION CO		20172 20172-S01	65.8	10.5	2.6	2.6	2.6	10.5	10.5	2.6	1.25	0.13	2.1	2.1	2.2
UPLAND FARM SPRING WATER	UPLAND FARM SPRING	20722 20722-S01	66.0	10.6	2.6	2.6	2.6	10.6	10.6	2.6	1.23	0.12	2.1	2.1	2.2
THE COBBS LLC	NOONE FALLS HYDRO	20420 20420-D01	68.1	10.9	2.7	2.7	2.7	10.9	10.9	2.7	1.28	0.13	2.2	2.2	2.3
Nubanusit Brook	Nubanusit Brook		121.2	19	4.8	4.8	4.8	19	19	4.7	2.2	0.30	4.2	4.3	4.4
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S02	122.1	20	4.9	4.9	4.8	20	20	4.7	2.2	0.29	4.3	4.3	4.4
PETERBOROUGH WWTF	WASTE WATER TREAT PLANT	20290 20290-D01	132.2	21	5.3	5.3	5.3	21	21	5.3	2.6	0.61	5.2	5.3	5.3
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S04	133.5	21	5.3	5.3	5.3	21	21	5.3	2.7	0.62	4.8	5.2	5.1
PETERBOROUGH WATER WORKS	PETERBOROUGH WATER WORKS	20059 20059-S01	133.5	21	5.3	5.3	5.3	21	21	5.3	2.7	0.46	4.7	5.1	4.9
Otter Brook	Otter Brook		149.3	24	6.0	6.0	6.0	24	24	6.0	3.0	0.46	5.3	5.7	5.4
MONADNOCK PAPER MILLS INC	MONADNOCK POWER STATION	20325 20325-D01	190.0	30	7.6	7.6	7.6	30	30	7.6	3.8	0.65	6.9	7.3	7.0
MONADNOCK PAPER MILLS INC	PIERCE POWER STATION	20326 20326-D01	190.0	30	7.6	7.6	7.6	30	30	7.6	3.8	0.65	6.9	7.3	7.0
MONADNOCK PAPER MILLS INC	HI GATE DAM	20327 20327-D01	190.2	30	7.6	7.6	7.6	30	30	7.6	3.8	0.65	6.9	7.3	7.1
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-S02	190.8	30	7.6	7.0	6.9	30	30	7.0	2.9	(0.22)	6.1	6.6	6.3
MONADNOCK PAPER MILLS INC	PAPER MILL	20324 20324-D01	190.9	31	7.6	7.6	7.5	31	31	7.5	3.7	0.51	6.8	7.2	7.0
BENNINGTON WATER DEPT	WATER WORKS	20043 20043-S01	191.5	31	7.7	7.4	7.3	30	31	7.4	3.5	0.37	6.7	7.2	7.0
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S02	192.0	31	7.7	7.4	7.3	30	31	7.3	3.4	0.21	6.5	7.0	6.8
ANTRIM WWTF	WASTE WATER TREAT PLANT	20315 20315-D01	202.7	32	8.1	8.0	7.8	32	32	7.8	3.7	0.37	7.1	7.6	7.3
ANTRIM WATER WORKS	ANTRIM WATER WORKS	20316 20316-S01	209.6	34	8.4	8.3	8.1	33	34	8.1	3.9	0.41	7.4	7.9	7.6
North Branch Contoocook	North Branch Contoocook		342.4	55	14	13	13	54	55	13	6.0	5.9	12	54	13
ANGUS LEA GOLF COURSE	GOLF COURSE	20619 20619-S01	346.8	55	14	13	13	55	55	13	6.1	5.9	13	55	13
CHI OPERATIONS INC	HILLSBOROUGH HYDRO PROJEC	20491 20491-D01	347.4	56	14	13	13	55	55	13	6.1	5.9	13	55	13
HILLSBOROUGH WWTF	WASTE WATER TREAT PLANT	20289 20289-D01	351.0	56	14	14	14	56	56	14	6.7	6.6	13	56	14
Sand Brook/ Gould Pond	Sand Brook/ Gould Pond		364.3	58	15	15	14	58	58	14	6.8	6.8	14	58	14
Unnamed Trib to Morrill Pond	Unnamed Trib to Morrill Pond		379.5	61	15	15	15	61	61	15	6.8	6.8	14	60	14
HENNIKER WWTF	WASTE WATER TREAT PLANT	20088 20088-D01	379.6	61	15	15	15	61	61	15	7.1	7.1	14	61	15
MICHIE CORPORATION	MICHIE CORPORATION	20211 20211-S01	379.8	61	15	15	15	61	61	15	6.9	6.8	14	60	14
Amey Brook	Amey Brook		402.8	64	16	16	15	64	64	15	7.0	7.0	15	64	15
PATS PEAK SKI AREA INC	PATS PEAK SKI AREA	20256 20256-S04	409.7	66	16	16	16	66	66	16	7.2	7.1	15	65	15
DUSTON COUNTRY CLUB	DUSTON COUNTRY CLUB	20711 20711-S01	425.7	68	17	17	16	68	68	16	7.5	7.4	16	67	16
BIO ENERGY LLC		20199 20199-S01	425.8	68	17	17	16	68	68	16	7.5	7.4	16	67	16
BIO ENERGY LLC		20199 20199-D01	425.8	68	17	17	16	68	68	16	7.5	7.4	16	67	16
CHI OPERATIONS INC	EHC HOAGUE SPRAUGE HYDRO	20465 20465-D01	425.9	68	17	17	16	68	68	16	7.5	7.4	16	67	16
ALGONQUIN POWER SYSTEMS INC	HOPKINTON GENERATING STATION	20765 20765-D01	438.3	70	18	17	17	70	70	17	7.7	7.7	16	69	16
HOPKINTON VILLAGE PREC	CONTOOCCOOK WWTP	20090 20090-D01	438.3	70	18	17	17	70	70	17	7.8	7.7	16	70	16
Warner River	Warner River		587.4	94	23	23	23	94	94	23	11	1.63	22	93	22
Blackwater River	Blackwater River		724.1	116	29	28	28	116	116	28	13	2.1	27	115	28
HOPKINTON VILLAGE PREC		20023 20023-S01	753.1	120	30	29	29	120	120	29	14	2.2	29	120	29
CONCORD CITY	WATER WORKS	20005 20005-S02	756.4	121	30	29	29	121	121	29	14	2.2	29	120	29
BRIAR HYDRO ASSOCIATES	ROLFE CANAL HYDRO	20487 20487-D01	763.0	122	31	30	29	122	122	29	14	2.3	29	121	29
PENACOOK HYDRO ASSOC	PENACOOK UPPER FALLS	20490 20490-D01	763.6	122	31	30	29	122	122	29	14	2.3	29	121	29
NH HYDRO ASSOCIATES	PENACOOK LOWER FALLS	20489 20489-D01	763.9	122	31	30	29	122	122	29	14	2.3	29	122	29
End of DR at Confluence with Merrimack	End of DR at Confluence with Merrimack		764.0	122	31	30	29	122	122	30	14	2.3	29	122	29

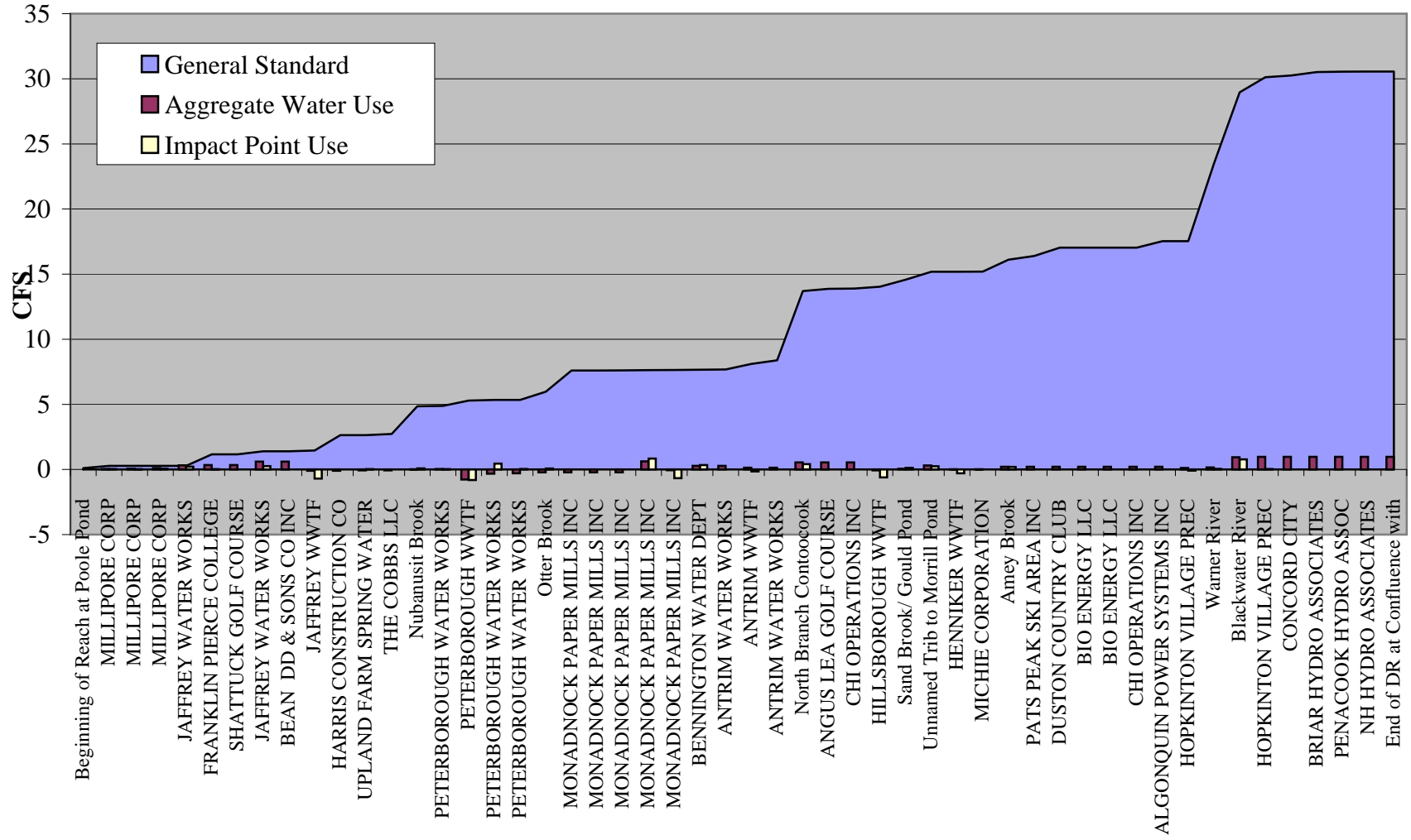
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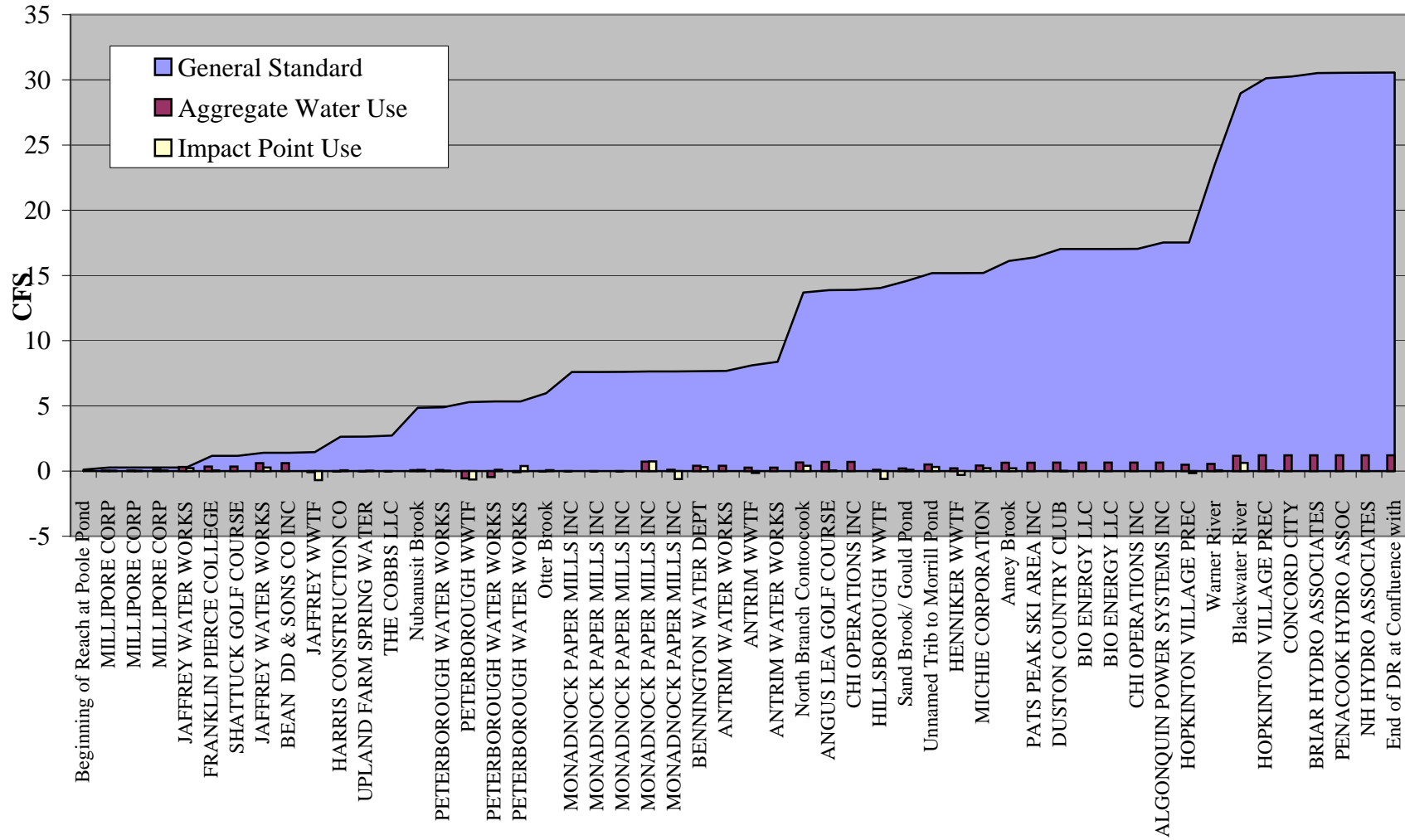
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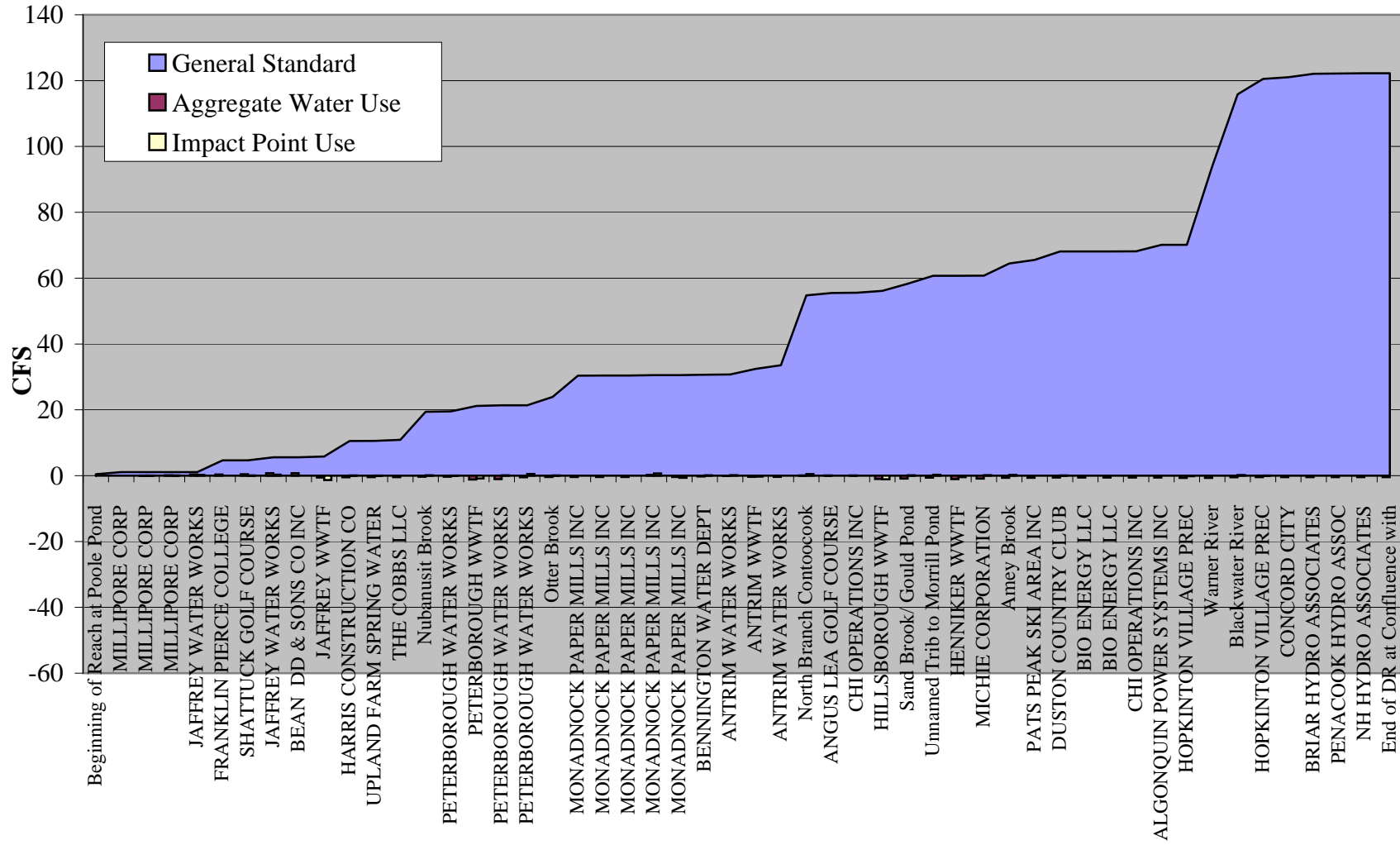
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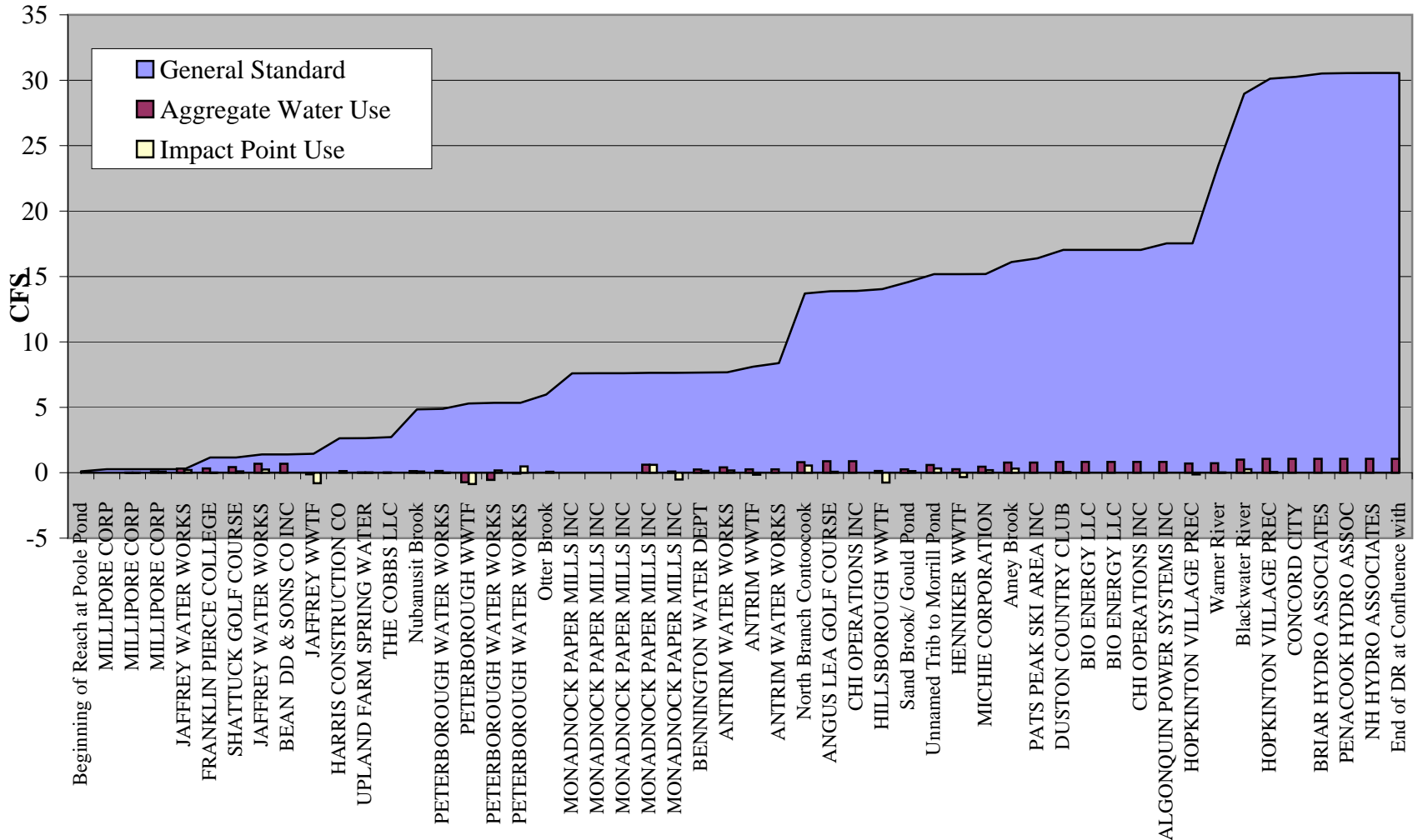
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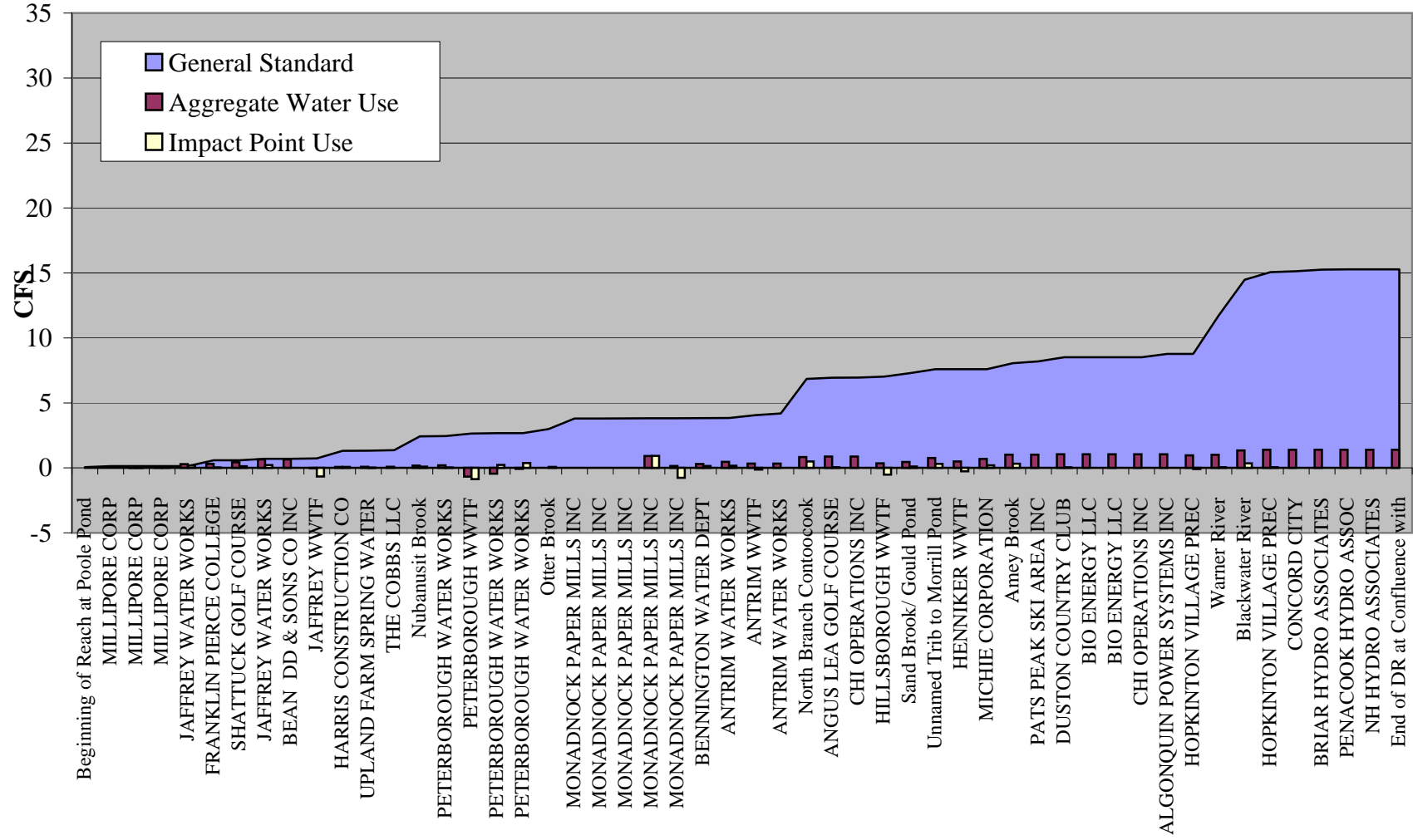
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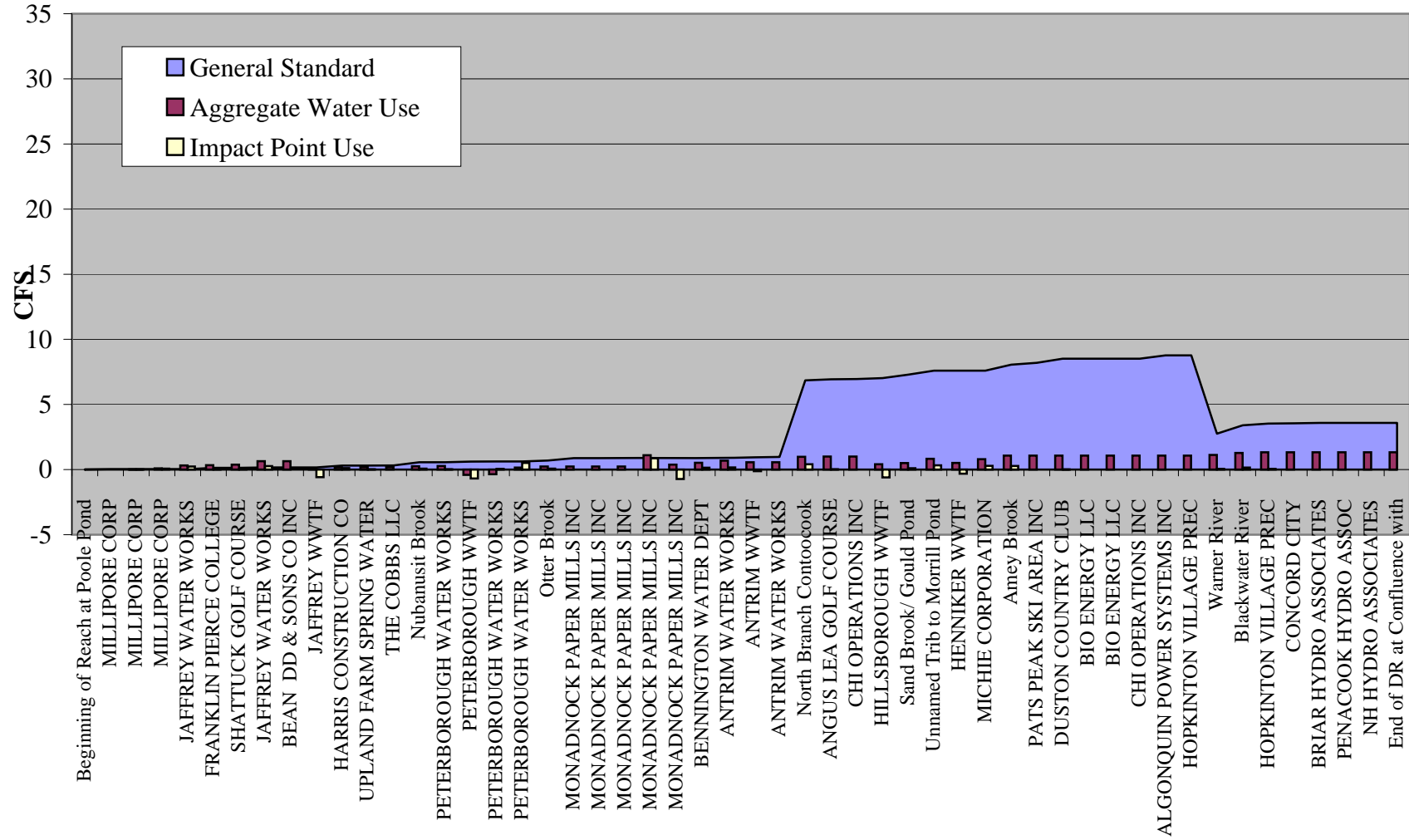
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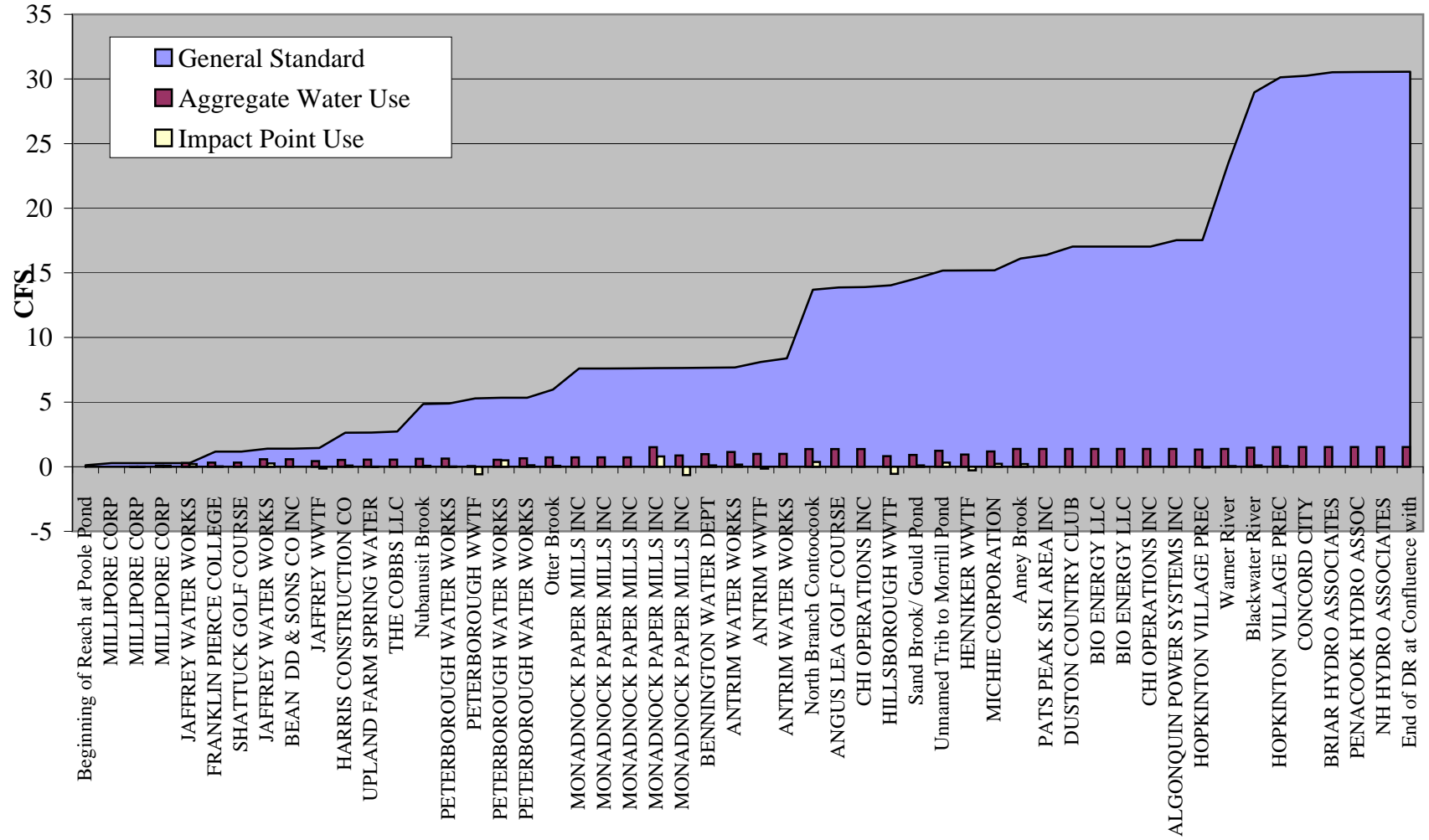
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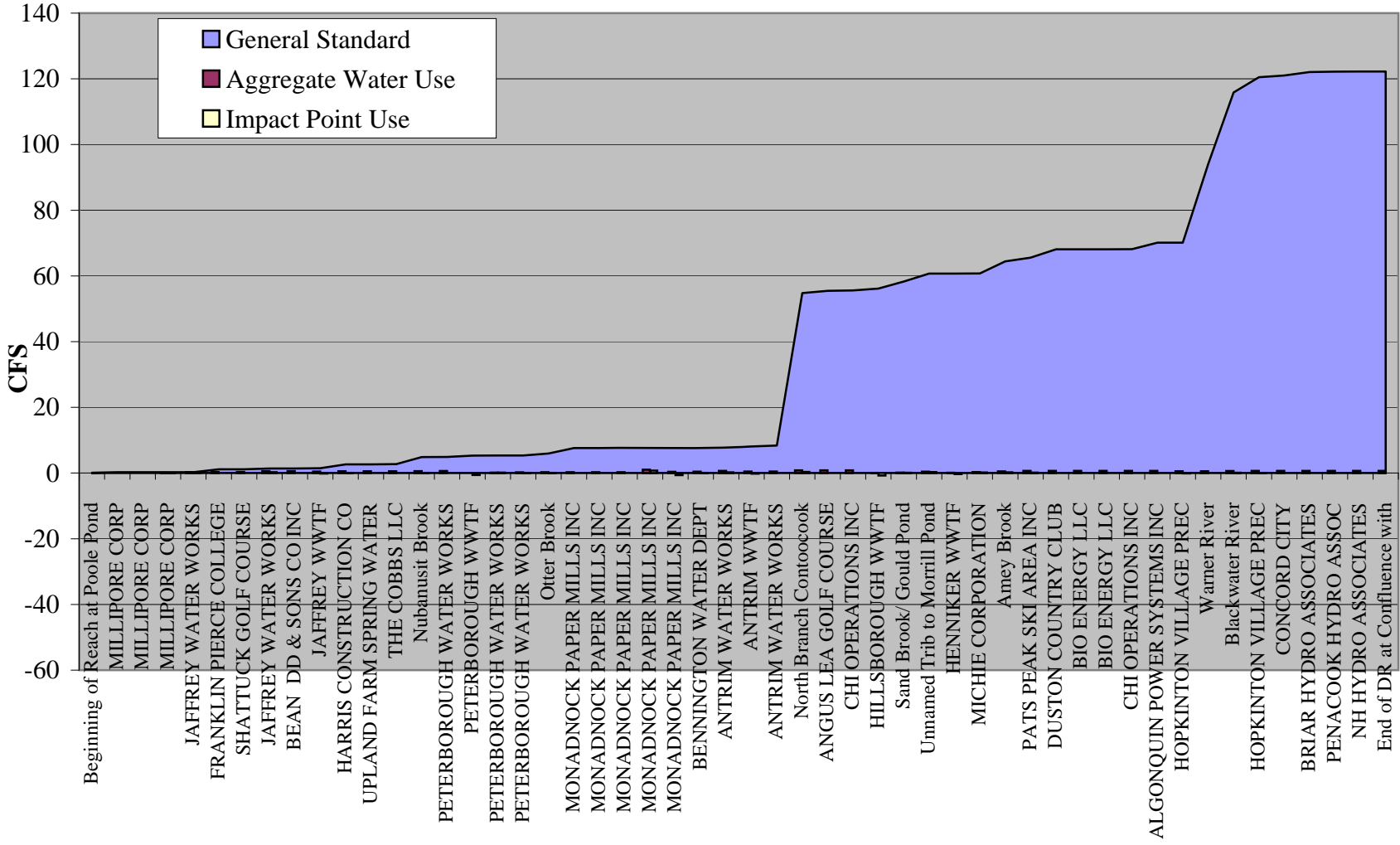
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# October 2006 MS Contoocook



# November 2006 MS Contoocook



# December 2006 MS Contoocook

