

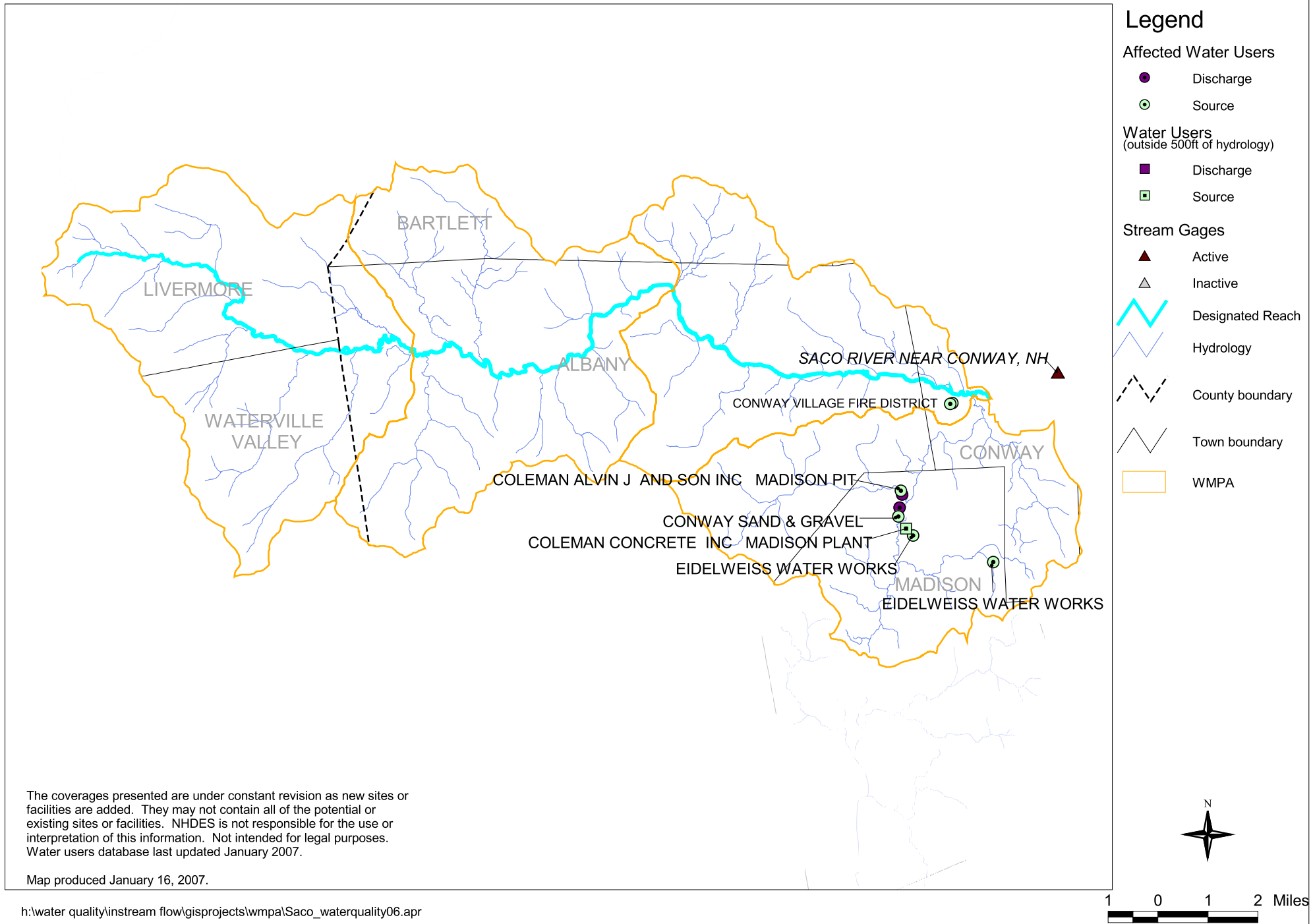
Swift Annual Water Use versus Stream Flow – Calendar Year 2006

Water use was reported by five sources and no discharges in the Swift Water Management Planning Area. Three of these sources are in the Pequawket Brook watershed, which impacts only the lowest reaches of the Designated-portion of the Swift River. Water use includes two water supplies (Eidelweiss Water Works and Conway Village Fire District) and a gravel mining operation (Coleman Inc).

The beginning of the Designated River is at its headwaters in Livermore and it continues 26 miles to its confluence with the Saco River in Conway. The Swift River is a tributary of the Saco River. The results of this assessment are a component of that river’s assessment. The Swift Water Management Planning Area covers 114 square miles. A stream flow gage in Conway downstream of the Designated River (USGS 01064500 SACO RIVER NEAR CONWAY, NH), measures 385 square miles of the Saco and Swift River watersheds. For this report the stream flow was transposed areally from the gage to the impact point on the Designated River. This year’s assessment resulted in no months that were not in compliance with the General Standard.

Swift 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	--	--	0.12%	--
February	--	--	0.20%	--
March	--	--	0.35%	--
April	--	--	0.21%	--
May	--	--	0.11%	--
June	--	--	0.20%	--
July	--	--	0.43%	--
August	--	--	0.95%	--
September	--	--	1.27%	--
October	--	--	0.18%	--
November	--	--	0.13%	--
December	--	--	0.24%	--

Swift River Affected Water User Facilities: Source and Discharge Locations



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.

2006 Swift 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 DR	headwaters		0.48												
CONWAY VILLAGE FIRE DIST		20311 20311-S02	85.85	0.295	0.313	0.323	0.304	0.329	0.309	0.340	0.315	0.272	0.244	0.224	0.235
CONWAY VILLAGE FIRE DIST		20311 20311-S01	85.85	0.184	0.183	0.170	0.010	0.190	0.178	0.283	0.222	0.159	0.133	0.175	0.214
COLEMAN ALVIN J AND SON INC	MADISON PIT	20539 20539-S01	114.11	0.000	0.000	0.000	0.398	0.370	0.397	0.362	0.444	0.366	0.389	0.409	0.212
COLEMAN ALVIN J AND SON INC	MADISON PIT	20539 20539-D01	114.11												
PIKE INDUSTRIES INC	CONWAY SAND & GRAVEL	20193 20193-S01	114.11												
PIKE INDUSTRIES INC	CONWAY SAND & GRAVEL	20193 20193-D01	114.11												
EIDELWEISS WATER WORKS	EIDELWEISS WATER WORKS	20067 20067-S03	114.11	0.082	0.084	0.068	0.071	0.068	0.080	0.100	0.095	0.071	0.061	0.074	0.085
EIDELWEISS WATER WORKS	EIDELWEISS WATER WORKS	20067 20067-S02	114.11	0.018	0.018	0.015	0.008	0.017	0.015	0.017	0.016	0.010	0.010	0.011	0.014
EIDELWEISS WATER WORKS	EIDELWEISS WATER WORKS	20067 20067-S01	114.11												
Pequawket Brook			114.11												
end of DR	Confluence of Swift and Saco		114.18												
Tributaries and DR endpoints															

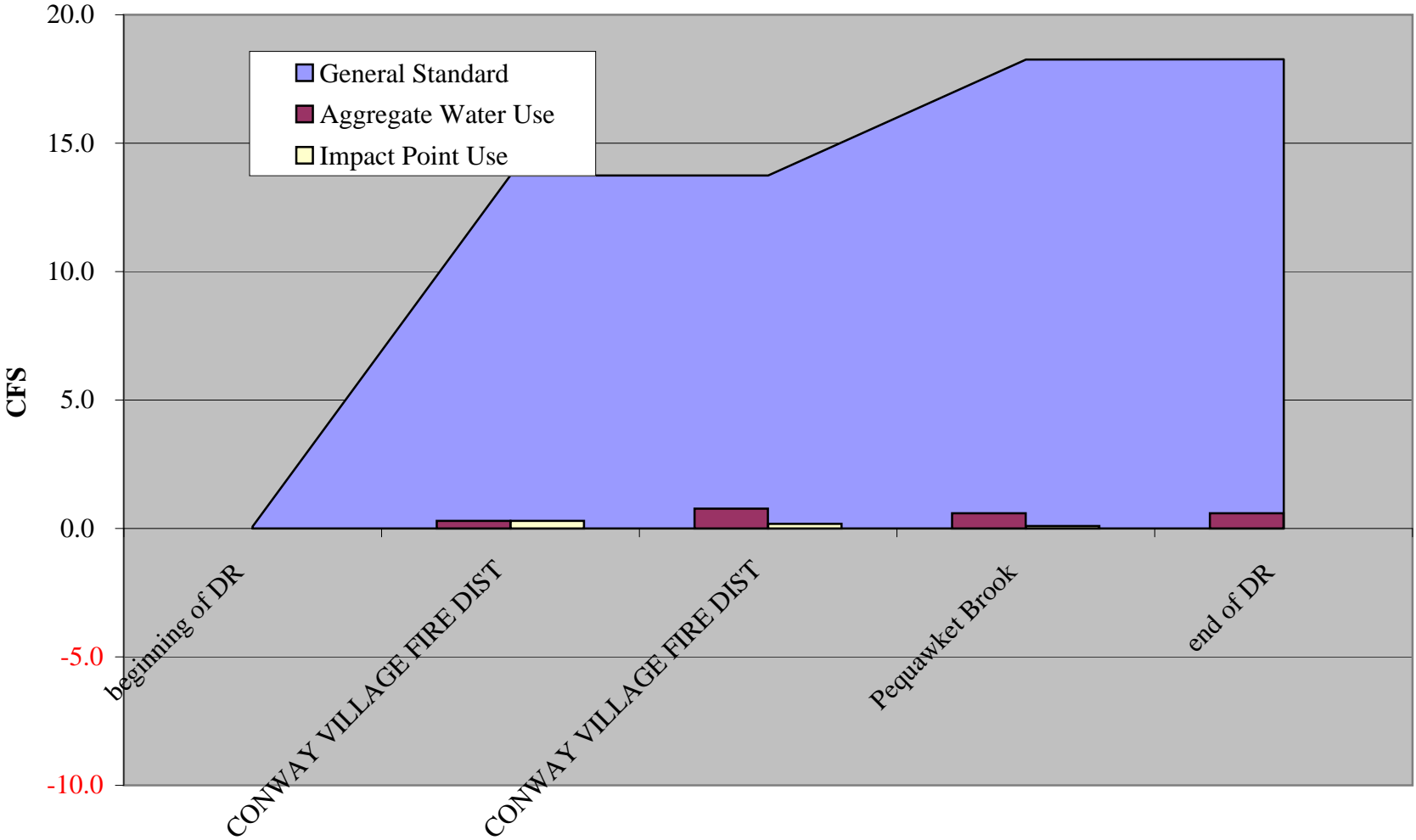
2006 Swift Water Use in CFS															
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
beginning of DR	headwaters		0.48	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CONWAY VILLAGE FIRE DIST		20311 20311-S02	85.85	0.295	0.313	0.323	0.304	0.329	0.309	0.340	0.315	0.272	0.244	0.224	0.235
CONWAY VILLAGE FIRE DIST		20311 20311-S01	85.85	0.184	0.183	0.170	0.010	0.190	0.178	0.283	0.222	0.159	0.133	0.175	0.214
Pequawket Brook			114.11	0.100	0.103	0.083	0.477	0.455	0.493	0.480	0.554	0.448	0.460	0.494	0.310
end of DR	Confluence of Swift and Saco		114.18	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

2006 Swift 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	
	USGS 01064500 Saco River near Conway, NH		Calculated monthly mean streamflow in CFSM	385	4.61	2.92	1.65	3.36	7.94	4.36	2.27	1.01	0.61	4.10	6.17	2.77
beginning of DR	headwaters		0.48	2.20	1.40	0.79	1.60	3.79	2.08	1.08	0.48	0.29	1.96	2.94	1.32	
CONWAY VILLAGE FIRE DIST		20311 20311-S02	85.92	395.67	251.28	141.69	288.55	682.21	374.69	194.82	86.74	52.26	352.60	530.24	238.34	
CONWAY VILLAGE FIRE DIST		20311 20311-S01	85.92	395.67	251.28	141.69	288.55	682.21	374.69	194.82	86.74	52.26	352.60	530.24	238.34	
Pequawket Brook			114.11	525.50	333.73	188.18	383.23	906.06	497.64	258.75	115.21	69.41	468.29	704.22	316.54	
end of DR	Confluence of Swift and Saco		114.18	525.84	333.95	188.30	383.48	906.65	497.96	258.91	115.28	69.46	468.60	704.68	316.75	

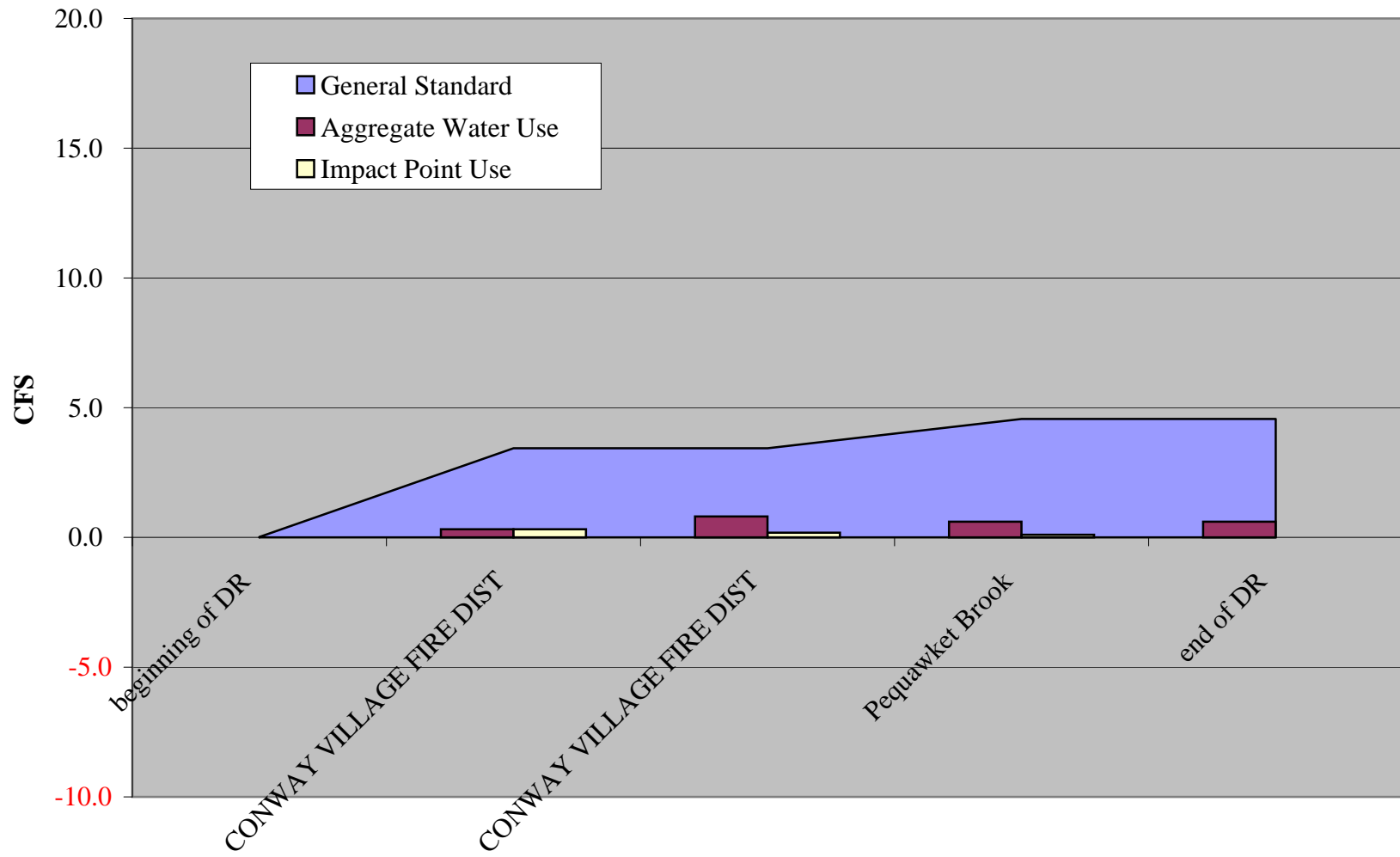
2006 Saco Estimated Monthly General Standard at Each Impact Point in CFS				General Standard in cfs/m												
WU_NAME	FACILITY	WUSD_ID	DA on DR (SQ MILE)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
beginning of DR	headwaters		0.48	0.08	0.02	0.02	0.02	0.08	0.08	0.02	0.02	0.01	0.08	0.08	0.02	
CONWAY VILLAGE FIRE DIST		20311 20311-S02	85.92	13.75	3.44	3.44	3.44	13.75	13.75	3.44	3.44	1.72	13.75	13.75	3.44	
CONWAY VILLAGE FIRE DIST		20311 20311-S01	85.92	13.75	3.44	3.44	3.44	13.75	13.75	3.44	3.44	1.72	13.75	13.75	3.44	
Pequawket Brook			114.11	18.26	4.56	4.56	4.56	18.26	18.26	4.56	4.56	2.28	18.26	18.26	4.56	
end of DR	Confluence of Swift and Saco		114.18	18.27	4.57	4.57	4.57	18.27	18.27	4.57	4.57	2.28	18.27	18.27	4.57	

2006 Swift 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 DR	headwaters		0.48	0.019	0.019	0.019	0.076	0.076	0.019	0.019	0.010	0.019	0.076	0.076	0.076	
CONWAY VILLAGE FIRE DIST		20311 20311-S02	85.92	3.1	3.1	3.1	13.5	13.4	3.1	3.0	1.3	3.1	13.4	13.5	13.5	
CONWAY VILLAGE FIRE DIST		20311 20311-S01	85.92	2.6	2.7	2.7	13.1	13.0	2.6	2.4	0.7	2.6	13.0	13.0	13.0	
Pequawket Brook			114.11	4.0	4.0	4.0	17.6	17.3	3.5	3.4	1.1	3.6	17.3	17.3	17.6	
end of DR	Confluence of Swift and Saco		114.18	4.0	4.0	4.0	17.6	17.3	3.5	3.4	1.1	3.6	17.3	17.3	17.6	

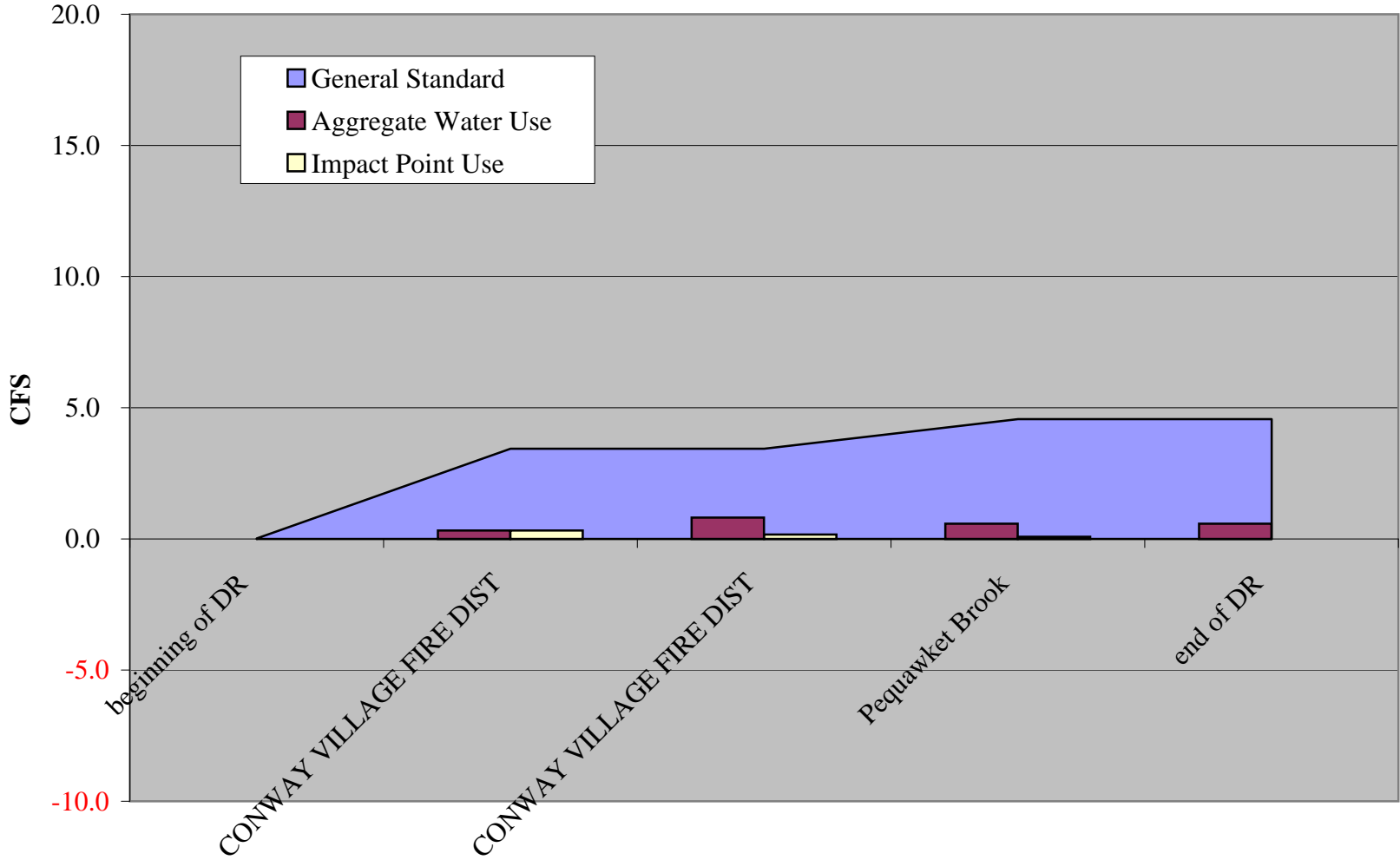
January 2006 Swift



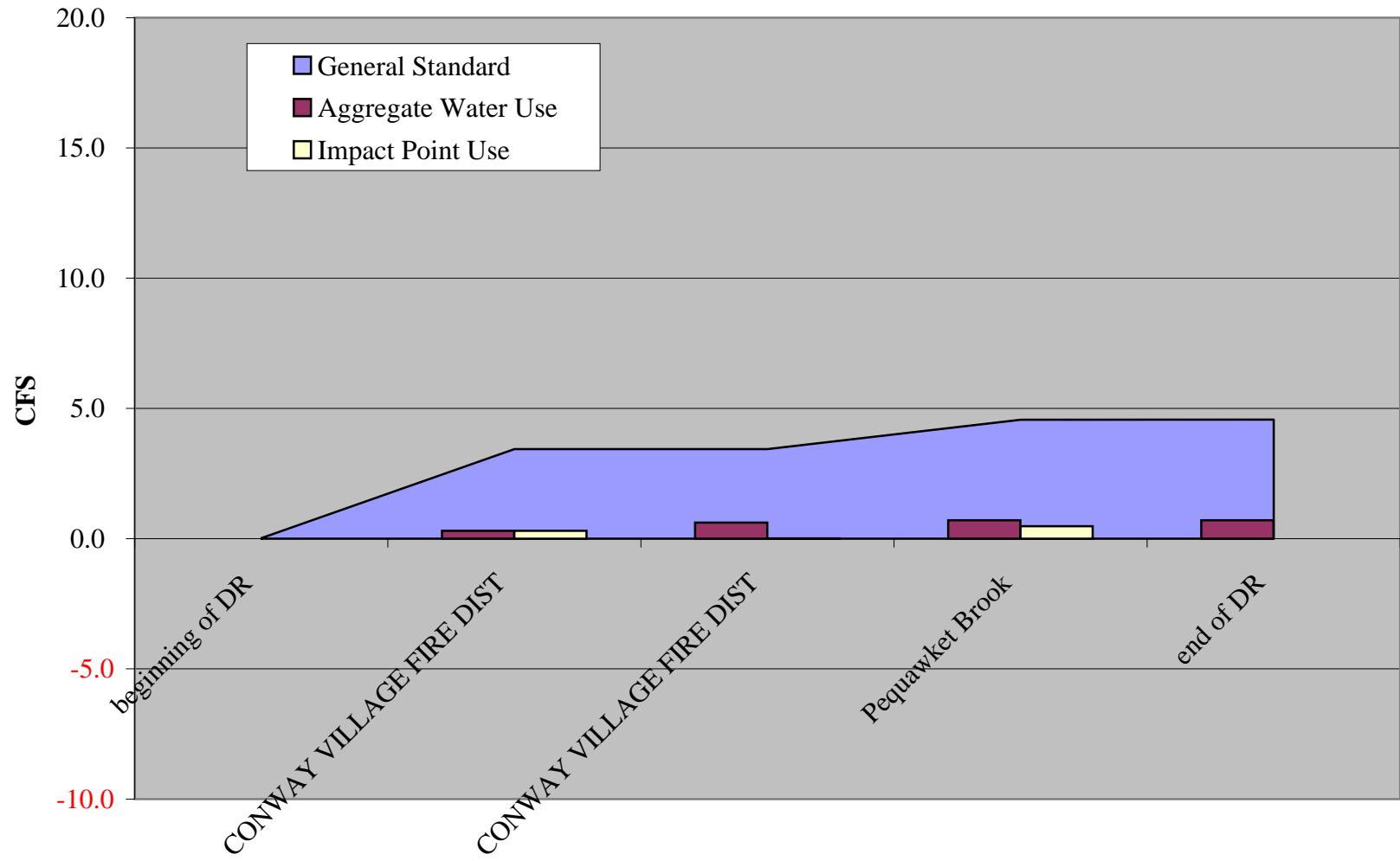
February 2006 Swift



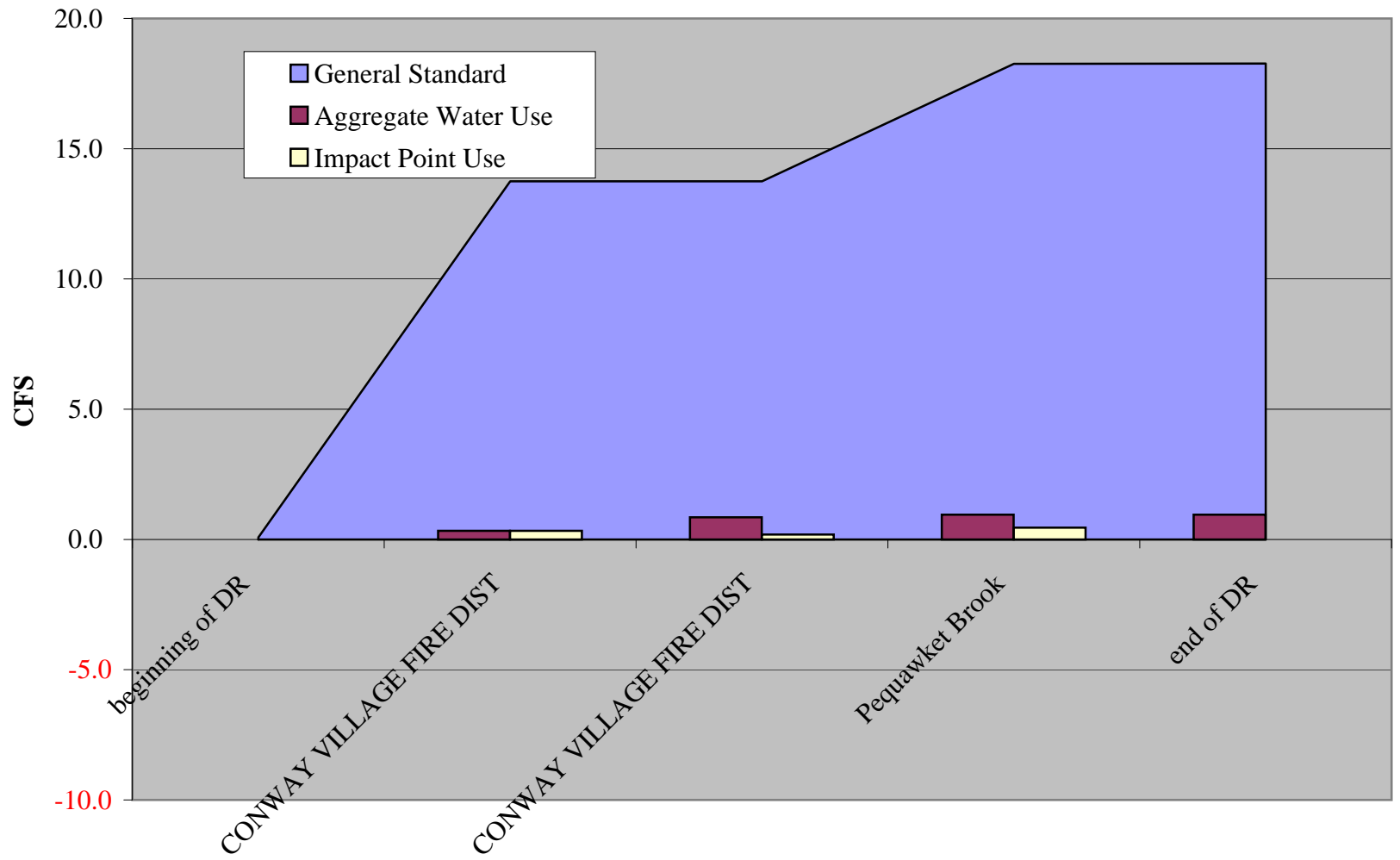
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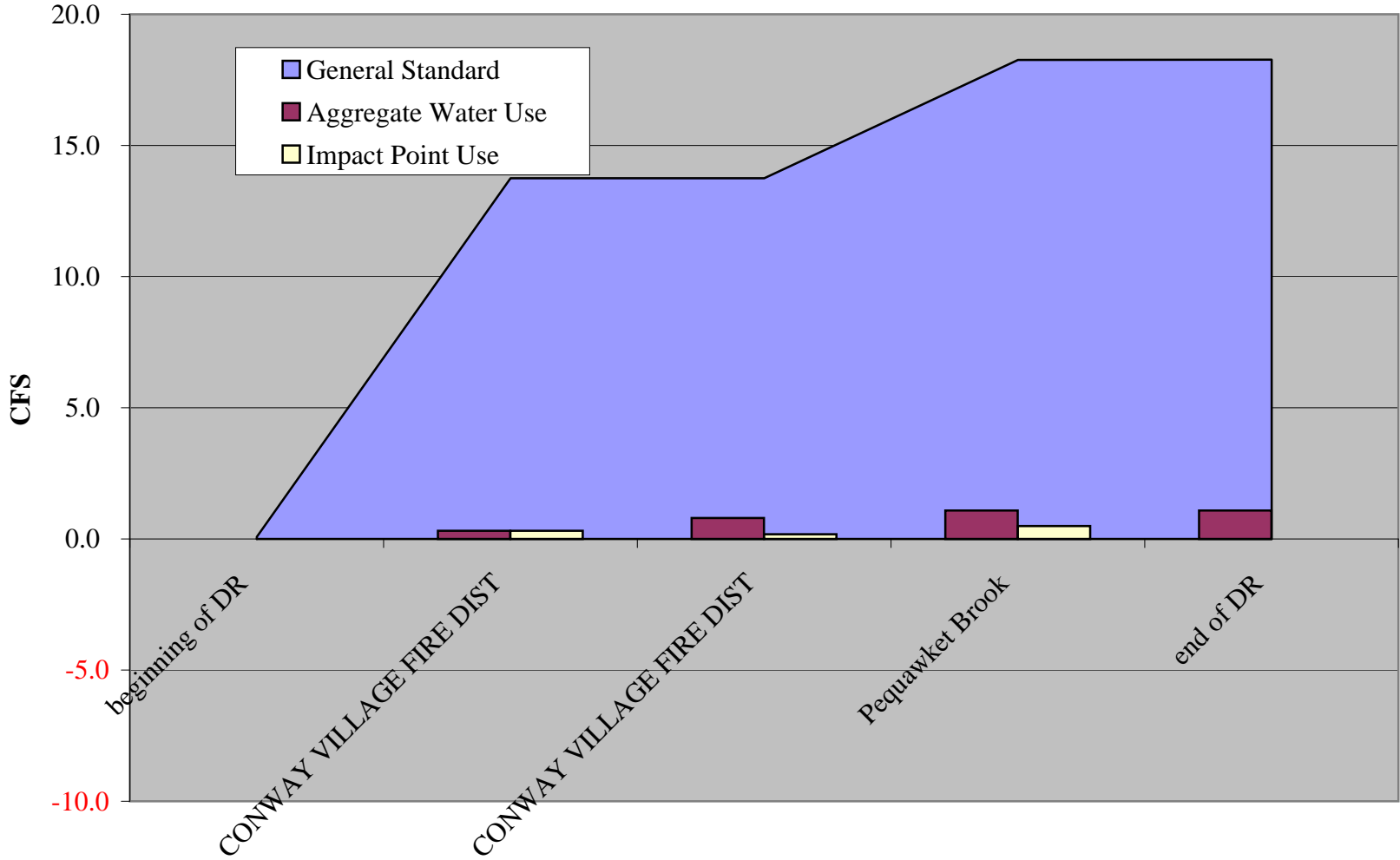
April 2006 Swift



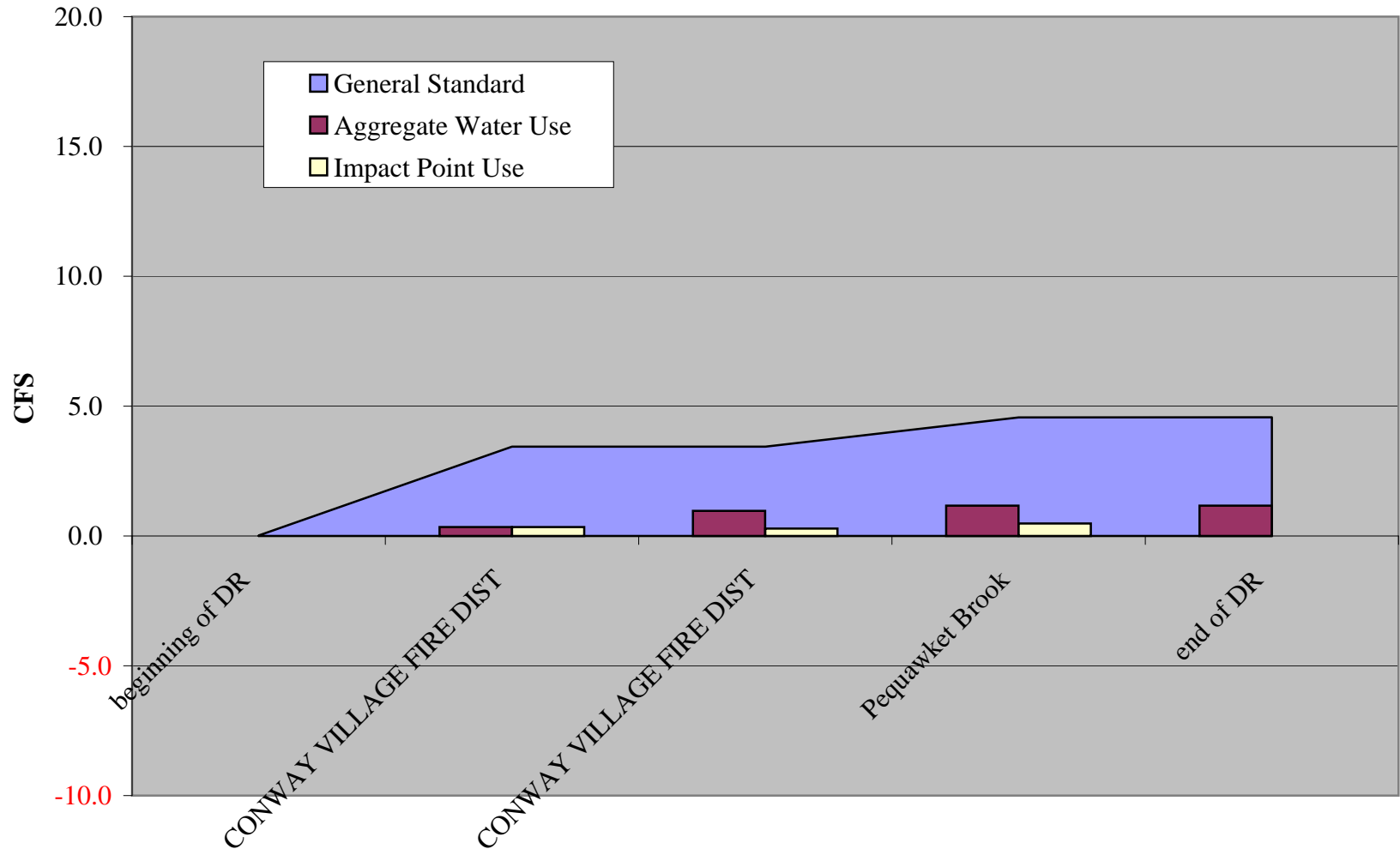
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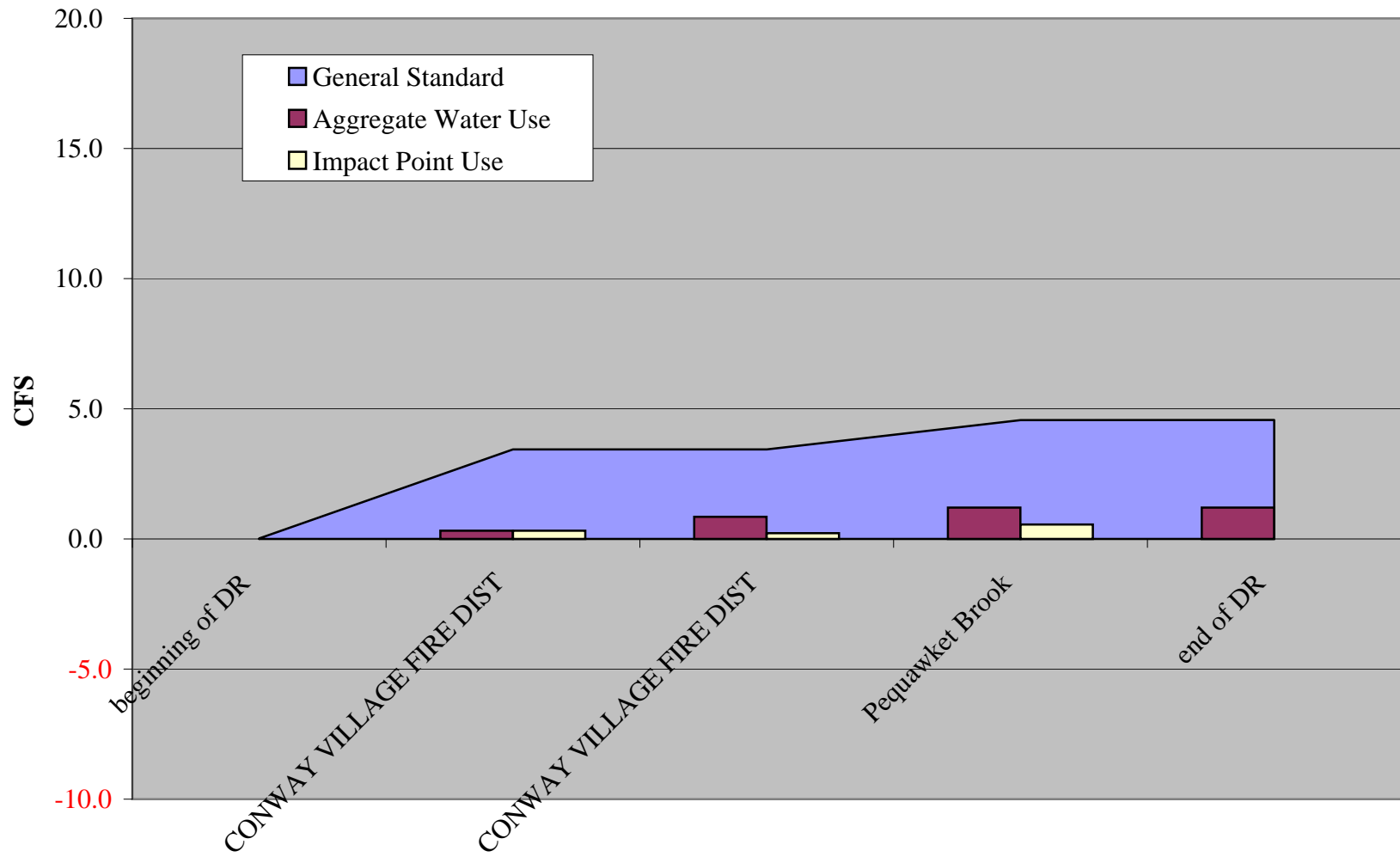
June 2006 Swift



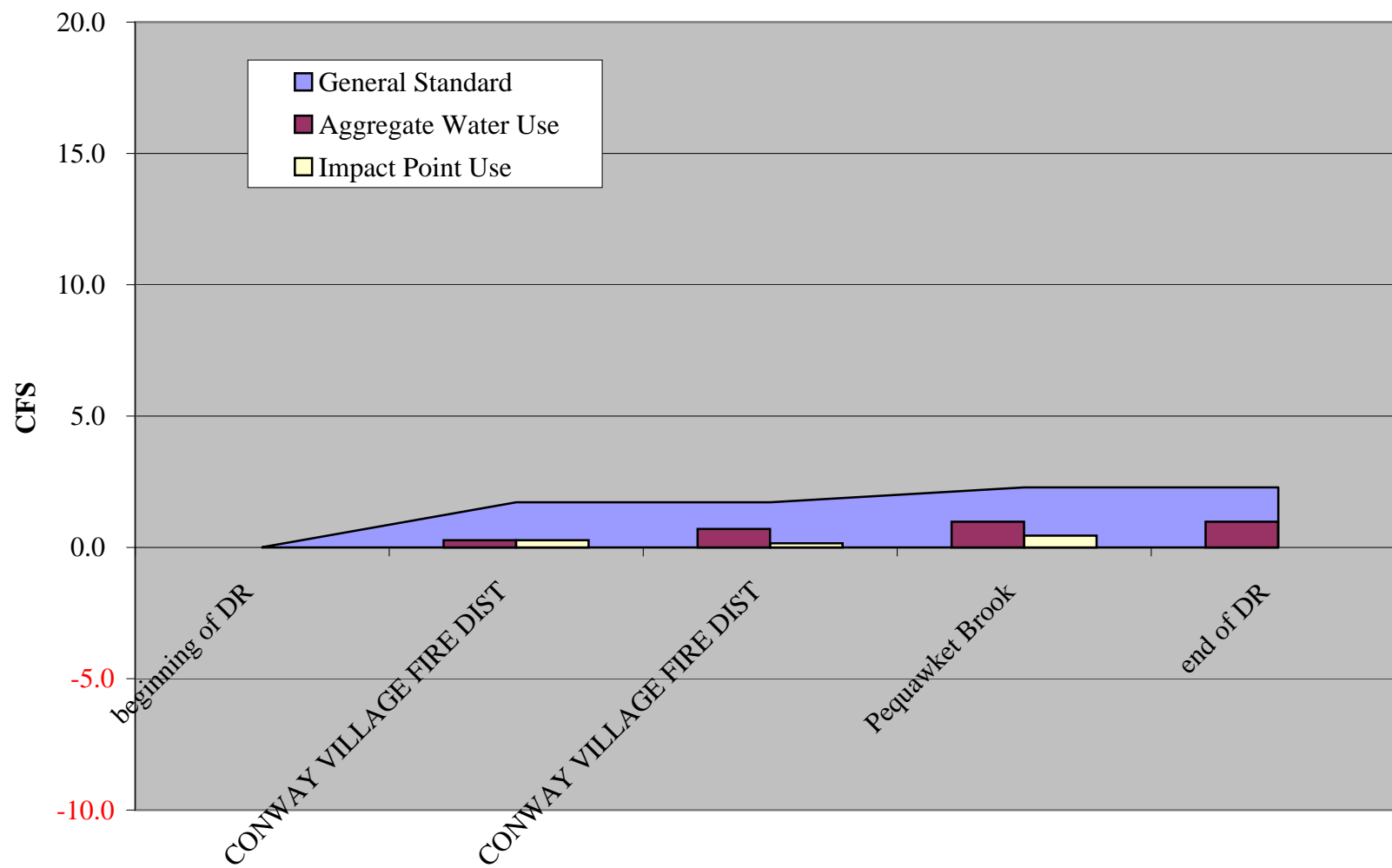
July 2006 Swift



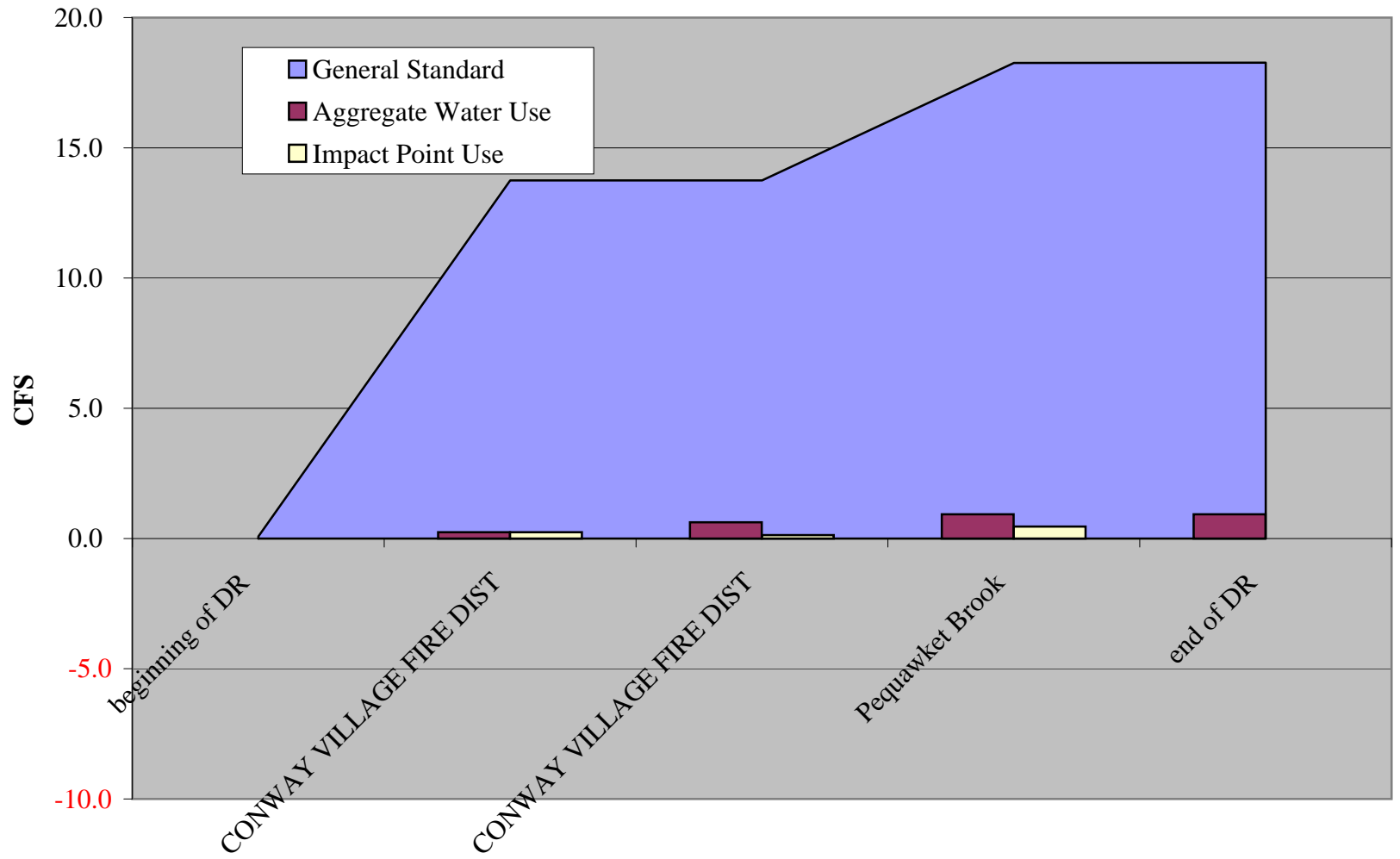
August 2006 Swift



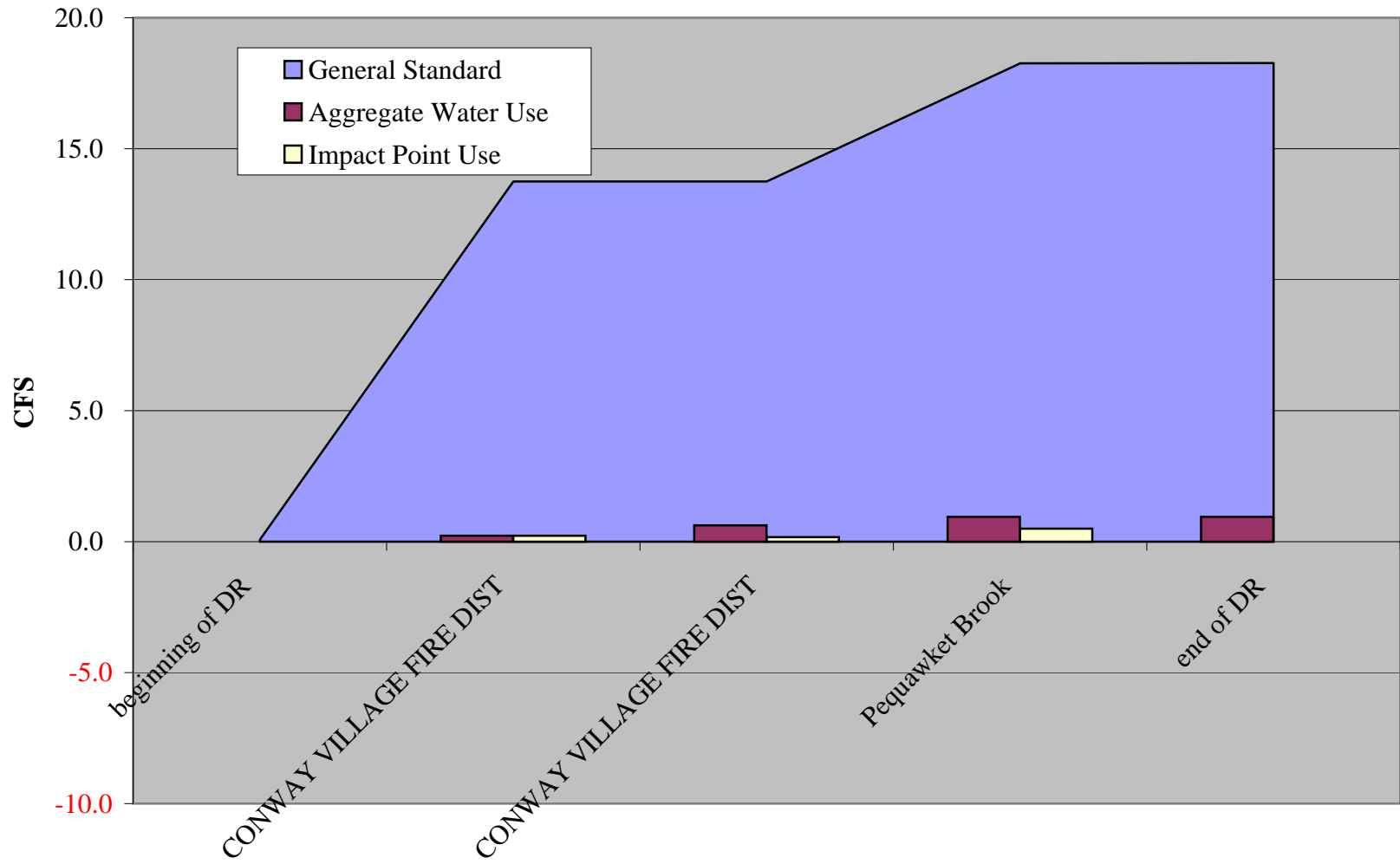
September 2006 Swift



October 2006 Swift



November 2006 Swift



December 2006 Swift

