

Appendix A

Summary of Observed Summer 2002 - 2004 Mean Daily Water Temperatures and Flows along NFFR

Table A-1
Summary of Observed Summer Mean Daily Water Temperatures (°C) along NFFR

Station	Month	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
NFFR at Chester (NF1)	June	15.4	9.6	12.7	12.9	10.0	11.3	13.7	8.3	11.8
	July	16.8	14.7	15.7	16.5	11.8	14.4	16.0	13.0	14.7
	Aug	16.1	12.8	14.2	15.1	12.6	13.4	15.1	12.7	13.9
	Sept	14.0	9.8	11.5	14.0	9.8	11.6	13.0	8.3	11.1
Hamilton Branch at Road bridge (HB1)	June	12.4	10.1	11.8	15.3	10.0	12.2	12.4	9.7	11.7
	July	12.6	11.5	12.0	12.4	10.8	11.5	12.7	11.5	12.2
	Aug	12.7	11.0	11.8	12.0	10.9	11.5	12.2	10.8	11.5
	Sept	11.7	9.3	10.4	11.4	9.4	10.3	12.0	8.4	10.3
Hamilton Branch Powerhouse (HB2)	June	13.4	10.9	12.6	21.1	11.6	15.3	15.8	12.0	13.9
	July	14.0	12.4	13.3	16.6	11.8	13.1	14.6	13.2	13.8
	Aug	19.1	16.1	17.5	19.2	15.2	18.0	16.7	12.3	15.7
	Sept	17.0	9.5	14.4	18.6	9.1	15.4	16.7	12.6	14.9
Lake Almanor at Canyon Dam near surface (LA1-S)	June	22.5	16.9	19.7	---	---	---	21.6	17.2	19.6
	July	25.3	21.7	23.6	26.3	24.7	25.3	24.3	21.3	22.8
	Aug	25.4	21.8	23.1	24.8	21.5	22.4	23.7	21.3	22.5
	Sept	22.5	18.1	20.0	22.4	18.4	20.0	21.0	17.6	19.2
Lake Almanor at Canyon Dam near bottom (LA1-B)	June	9.3	8.2	8.9	---	---	---	14.7	13.0	13.9
	July	10.4	9.3	9.9	9.9	9.8	9.9	14.9	10.5	13.4
	Aug	11.2	10.5	10.8	10.7	9.9	10.2	11.3	10.7	11.0
	Sept	11.4	11.1	11.3	10.9	10.6	10.8	11.1	9.8	10.0
NFFR below Canyon Dam (NF2)	June	11.9	10.6	11.3	10.8	9.8	10.4	19.9	15.7	17.8
	July	13.0	11.8	12.5	11.9	10.8	11.5	22.5	19.9	21.1
	Aug	13.4	12.9	13.3	12.4	11.9	12.2	22.1	20.2	21.2
	Sept	14.1	13.3	13.7	12.9	12.3	12.6	20.0	17.0	18.4
NFFR at Seneca Bridge (NF3)	June	14.7	11.8	13.5	13.9	11.2	13.0	17.7	13.4	16.0
	July	15.7	14.2	15.0	15.5	12.7	14.2	19.9	17.3	18.6
	Aug	15.6	13.5	14.5	14.4	13.1	13.7	19.2	17.0	18.2
	Sept	14.6	12.2	13.4	14.0	11.7	12.8	17.3	13.4	15.5
NFFR above Caribou PH (NF4)	June	15.6	12.3	14.3	14.9	11.8	13.9	16.4	12.3	15.0
	July	16.8	15.0	15.9	16.8	13.5	15.2	18.1	16.0	17.1
	Aug	16.3	13.9	15.0	15.6	13.6	14.4	17.6	15.4	16.6
	Sept	15.0	12.1	13.4	14.8	11.8	13.1	16.0	12.2	14.2
Butt Valley Powerhouse [Corrected] (BV1)	June	16.1	14.8	15.5	16.3	11.7	14.1	18.7	14.7	17.4
	July	21.7	17.8	20.2	19.1	15.4	17.4	21.3	18.4	19.7
	Aug	21.9	20.4	21.2	20.4	19.3	19.8	21.8	20.2	21.1
	Sept	21.3	17.9	19.3	20.6	17.8	18.9	20.3	16.8	18.6

Note:

- 1) All values are mean daily water temperatures computed from hourly temperature measurements. Monthly statistics represent the maximum, minimum, and mean daily water temperatures based on the hourly temperature measurements. For example, the maximum June temperature represents the maximum mean daily temperature measured in June.
- 2) Refer to Figure 2-1 for station locations.

Table A-1
Summary of Observed Summer Mean Daily Water Temperatures (°C) along NFFR
(Continued)

Station	Month	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
Butt Valley Res. at Caribou Intake Near surface (BV2-S)	June	22.1	18.3	20.1	22.7	18.3	20.2	21.8	18.4	20.1
	July	24.4	22.1	23.3	24.6	19.0	21.7	23.9	21.7	22.6
	Aug	24.0	21.7	22.7	22.5	21.0	21.6	23.1	21.5	22.4
	Sept	22.2	18.4	20.1	22.0	18.4	19.9	21.5	17.4	19.5
Butt Valley Res. at Caribou Intake Near bottom (BV2-B)	June	11.9	9.4	10.4	11.9	9.6	10.8	17.5	12.0	14.7
	July	18.5	11.9	15.0	16.1	12.1	13.8	20.7	17.4	19.3
	Aug	20.8	18.7	20.0	18.9	16.4	18.2	21.5	20.7	21.1
	Sept	20.6	18.2	19.3	19.1	17.5	18.2	20.7	17.2	19.0
Butt Creek above Butt Valley Reservoir (BC1)	June	15.1	11.6	13.9	15.2	11.2	13.5	14.4	10.2	13.2
	July	16.0	13.7	14.7	16.2	13.0	14.5	15.2	12.9	14.0
	Aug	14.8	11.9	13.1	14.6	12.0	12.9	13.8	11.9	12.8
	Sept	13.1	9.5	11.1	12.9	9.8	11.1	12.0	8.8	10.7
Butt Creek below Butt Valley Reservoir (BC2)	June	10.7	10.4	10.6	10.9	10.5	10.7	10.7	10.4	10.6
	July	10.8	10.6	10.7	11.0	10.6	10.8	10.8	10.6	10.7
	Aug	10.8	10.5	10.7	10.9	10.6	10.7	10.8	10.6	10.7
	Sept	10.7	10.4	10.5	10.8	10.4	10.6	10.6	10.3	10.5
Butt Creek at Mouth (BC3)	June	12.1	10.6	11.5	12.2	10.8	11.8	12.2	10.5	11.7
	July	12.8	11.9	12.4	13.1	11.5	12.3	12.9	12.0	12.5
	Aug	12.9	11.7	12.4	12.6	11.9	12.3	13.1	12.2	12.7
	Sept	12.6	11.3	12.0	12.7	11.3	12.1	12.6	11.2	12.1
Caribou No. 1 Powerhouse [corrected] (CARB1)	June	13.3	12.3	12.7	11.2	10.9	11.0	18.0	16.4	17.2
	July	21.0	16.3	19.3	19.1	16.4	18.1	21.1	18.0	19.9
	Aug	21.9	21.2	21.4	20.0	17.5	19.5	21.7	20.8	21.2
	Sept	21.3	18.2	19.7	20.1	18.0	19.1	20.8	16.8	19.1
Caribou No. 2 Powerhouse [corrected] (CARB2A)	June	21.5	17.4	19.3	19.3	16.7	18.2	21.0	17.7	19.6
	July	24.0	21.9	23.2	23.4	18.4	20.4	22.7	21.0	22.0
	Aug	23.7	21.5	22.5	21.9	21.0	21.4	22.7	21.4	22.1
	Sept	22.1	18.3	19.9	21.8	19.2	20.2	21.4	17.4	19.4
Belden Reservoir At Intake (BD1)	June	21.5	18.1	19.5	19.3	15.8	18.1	20.0	15.8	17.8
	July	22.8	19.3	21.5	21.7	17.3	19.3	21.9	19.4	20.8
	Aug	22.6	21.4	21.9	21.1	20.3	20.7	22.2	21.1	21.7
	Sept	21.7	18.4	19.8	21.0	18.2	19.4	21.1	17.3	19.1
NFFR below Belden Dam (NF5)	June	18.9	15.9	17.4	18.2	14.1	16.8	19.1	15.2	17.0
	July	21.1	17.8	19.4	20.8	17.1	18.5	21.6	18.7	20.3
	Aug	21.2	20.2	20.7	20.5	18.4	19.8	21.8	20.8	21.4
	Sept	20.9	16.8	18.8	20.5	17.6	19.0	20.8	17.1	18.8

Table A-1
Summary of Observed Summer Mean Daily Water Temperatures (°C) along NFFR
(Continued)

Station	Month	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
Mosquito Creek At mouth (MC1)	June	14.4	11.4	13.0	---	---	---	13.8	10.6	12.6
	July	15.6	13.8	14.7	---	---	---	15.1	13.2	14.3
	Aug	15.3	12.9	13.9	15.0	12.8	13.5	14.5	13.2	13.8
	Sept	13.7	11.3	12.2	14.0	11.0	12.2	13.2	10.4	11.9
NFFR near Queen Lily Campground (NF6)	June	19.0	15.7	17.1	17.9	14.3	16.6	18.8	15.1	16.9
	July	21.1	18.1	19.5	20.6	17.3	18.5	21.2	18.5	20.0
	Aug	21.1	19.6	20.3	20.3	18.0	19.3	21.4	20.2	20.8
	Sept	20.9	19.3	18.0	19.9	16.7	17.9	20.2	16.1	17.7
NFFR near Gansner Bar (NF7)	June	19.3	16.2	17.5	18.4	14.9	16.9	19.0	14.7	17.1
	July	21.3	18.5	19.7	20.9	17.3	18.9	21.2	18.5	20.0
	Aug	21.1	19.1	20.1	20.5	17.9	19.3	21.3	19.9	20.5
	Sept	20.5	16.1	17.6	20.0	16.3	17.6	19.9	15.4	17.4
East Branch NFFR at mouth (EB1)	June	22.3	17.8	20.8	21.7	16.7	19.4	22.3	15.9	19.9
	July	25.5	22.4	23.8	26.4	20.1	23.1	24.8	21.1	23.0
	Aug	24.3	19.9	21.8	24.0	20.1	21.4	23.1	20.4	21.7
	Sept	21.6	15.9	18.2	21.3	16.4	18.3	20.6	14.6	17.7
NFFR at Belden Town Bridge (NF8)	June	21.2	17.1	19.4	20.5	16.5	18.7	20.8	15.5	18.9
	July	22.9	20.4	21.4	22.9	18.8	21.0	22.9	20.2	21.5
	Aug	22.3	19.5	20.7	22.0	19.2	20.4	22.0	20.1	21.0
	Sept	21.0	16.1	18.0	21.1	16.4	18.2	20.2	15.1	17.6
Belden Powerhouse (BD2)	June	18.7	17.7	18.0	19.2	15.6	18.1	20.0	16.6	18.8
	July	22.5	19.0	21.2	21.7	17.4	19.3	22.0	19.4	20.9
	Aug	22.6	21.4	21.8	21.1	20.3	20.7	22.2	21.1	21.7
	Sept	21.7	18.3	19.8	21.1	18.2	19.5	21.1	17.3	19.2
Yellow Creek Near mouth (YC1)	June	17.0	12.3	15.0	15.7	11.6	14.0	15.6	10.7	14.1
	July	18.6	16.0	17.1	18.9	13.8	16.3	17.2	14.7	16.0
	Aug	17.7	14.0	15.6	17.5	13.9	15.1	16.2	14.5	15.3
	Sept	15.4	11.8	13.1	15.3	11.5	13.0	14.4	10.6	12.6
Chips Creek Near mouth (CHIP)	June	16.2	10.6	13.6	14.4	9.0	11.5	14.4	9.4	12.5
	July	17.9	15.4	16.8	18.1	12.8	15.6	17.0	14.3	15.7
	Aug	17.7	14.5	15.9	17.2	14.2	15.2	16.5	14.7	15.5
	Sept	15.9	12.1	13.7	15.8	12.1	13.6	14.8	10.9	13.0
NFFR below Rock Creek Dam (NF9)	June	---	---	---	19.1	14.7	17.4	19.9	14.0	17.7
	July	---	---	---	22.0	18.0	19.8	21.9	19.4	20.9
	Aug	---	---	---	21.4	19.8	20.3	21.9	20.7	21.3
	Sept	---	---	---	20.6	17.3	18.8	20.6	16.7	18.5
NFFR at NF-57 Insitu Recorder (NF10)	June	20.7	20.1	20.3	19.1	14.9	17.6	19.9	14.1	17.7
	July	22.5	20.0	21.3	22.1	18.1	19.9	21.9	19.5	20.9
	Aug	22.1	20.5	21.2	21.6	19.9	20.4	21.9	20.6	21.3
	Sept	21.2	17.6	19.1	20.7	17.3	18.8	20.6	16.6	18.5

Table A-1
Summary of Observed Summer Mean Daily Water Temperatures (°C) along NFFR
(Continued)

Station	Month	2002			2003			2004		
		max	Min	mean	max	min	mean	max	min	mean
Milk Ranch Creek Near mouth (MR1)	June	16.0	10.6	14.0	15.8	11.0	13.4	15.7	9.7	13.6
	July	17.9	14.8	16.4	19.1	12.7	15.8	17.7	14.2	15.9
	Aug	17.2	13.3	15.0	17.3	13.4	14.9	16.4	14.0	15.2
	Sept	18.1	11.1	12.7	15.9	10.9	13.1	14.3	10.1	12.4
Chambers Creek Near mouth (CHAM)	June	16.5	9.0	13.7	15.7	9.7	12.6	16.0	9.3	13.2
	July	18.8	14.9	16.9	19.7	12.7	16.1	18.3	14.2	16.2
	Aug	18.1	13.9	15.7	17.7	14.2	15.3	17.1	14.2	15.8
	Sept	16.3	11.6	13.8	15.8	12.1	13.6	15.2	10.8	13.4
NFFR near Tobin Blw Granite Crk (NF11)	June	20.9	16.0	18.6	19.3	14.1	17.1	20.1	14.3	17.8
	July	22.8	20.2	21.5	22.6	17.9	20.2	22.2	19.7	21.1
	Aug	22.5	19.8	21.0	21.7	19.6	20.3	21.9	20.3	21.1
	Sept	21.0	17.3	18.8	20.9	17.0	18.6	20.4	16.3	18.3
Jackass Creek Near mouth (JC1)	June	16.5	9.6	14.1	16.9	11.4	14.1	16.5	10.6	14.2
	July	18.9	15.0	17.0	20.3	13.0	16.6	18.7	14.8	16.7
	Aug	18.3	13.7	15.9	18.4	14.3	16.1	17.6	14.8	16.3
	Sept	16.5	12.2	14.2	17.8	12.7	14.8	15.8	11.6	14.0
NFFR abv Bucks Creek (NF12)	June	21.0	15.9	18.6	19.3	14.2	17.2	20.2	14.4	17.9
	July	22.9	20.2	21.6	22.7	17.8	20.3	22.3	19.8	21.2
	Aug	22.6	19.7	21.0	21.8	19.6	20.3	22.0	20.4	21.2
	Sept	21.1	17.2	18.8	21.0	16.8	18.6	20.5	16.3	18.3
Bucks Creek Near Mouth (BUCK1)	June	18.1	12.4	16.0	17.1	12.3	15.2	17.7	11.1	15.5
	July	20.4	16.8	18.6	21.0	14.5	17.6	19.9	16.2	17.8
	Aug	19.3	14.8	16.9	18.8	15.0	16.5	18.2	15.6	16.8
	Sept	17.1	12.0	14.0	17.7	12.1	14.4	15.9	10.8	13.5
Bucks Creek Powerhouse (BUCK2)	June	18.6	13.2	15.6	13.5	10.5	12.4	13.4	11.3	12.4
	July	18.9	15.6	16.7	14.1	11.6	13.2	15.1	13.5	14.4
	Aug	15.5	13.5	14.3	15.7	11.9	13.5	13.4	12.4	12.8
	Sept	13.7	12.6	13.0	11.9	11.1	11.4	13.8	12.8	13.5
NFFR abv Rock Creek Powerhouse (NF13)	June	21.0	15.8	18.6	17.9	13.3	15.7	19.3	13.3	16.5
	July	22.8	19.4	20.7	23.0	15.4	18.7	21.1	18.6	19.5
	Aug	21.8	17.6	19.3	22.0	16.3	18.4	19.0	17.3	18.1
	Sept	18.1	15.0	16.3	17.1	14.2	15.6	19.2	15.7	17.2
Rock Creek Powerhouse (RC1)	June	20.1	16.1	18.1	19.6	14.8	17.7	20.1	14.3	17.8
	July	22.6	19.6	21.3	22.3	18.5	20.1	22.3	19.8	21.3
	Aug	22.6	21.0	21.7	22.0	20.4	20.9	22.5	21.4	21.9
	Sept	21.7	18.4	19.8	21.2	18.1	19.5	21.4	17.4	19.7

Table A-1
Summary of Observed Summer Mean Daily Water Temperatures (°C) along NFFR
(Continued)

Station	Month	2002			2003			2004		
		max	Min	mean	max	min	mean	max	min	mean
Rock Creek Near mouth (RC2)	June	17.6	11.4	14.8	16.4	9.5	12.8	17.4	10.0	14.3
	July	19.7	16.5	18.1	20.6	14.2	17.4	19.4	15.8	17.6
	Aug	19.3	15.6	17.1	22.0	16.3	18.4	18.1	16.1	17.2
	Sept	17.1	13.7	14.8	17.7	13.5	15.1	16.6	12.5	14.6
NFFR abv Grizzly Creek (NF14)	June	20.8	16.7	18.4	18.5	14.1	16.9	19.8	14.0	17.2
	July	22.2	20.3	21.2	22.2	17.4	19.6	21.6	19.4	20.7
	Aug	21.9	19.6	20.7	21.8	19.2	20.0	21.3	20.0	20.6
	Sept	20.5	17.1	18.5	20.1	16.8	18.2	20.0	16.5	18.3
Grizzly Creek Near mouth (GR1)	June	18.3	12.7	15.9	17.1	13.5	15.5	18.1	12.1	15.8
	July	20.8	17.8	19.3	21.2	15.1	18.2	20.3	17.3	18.8
	Aug	20.5	16.4	18.0	20.0	16.4	17.5	19.1	17.2	18.1
	Sept	17.8	13.5	15.0	18.4	13.4	15.3	17.2	12.1	14.7
NFFR at NF-56 blw Grizzly Crk (NF15)	June	20.9	16.2	18.4	18.6	14.0	16.9	19.7	14.3	17.3
	July	22.1	20.4	21.3	22.4	17.3	19.8	21.7	19.4	20.7
	Aug	22.0	19.5	20.6	21.9	19.3	20.0	21.3	19.9	20.6
	Sept	20.5	16.9	18.4	20.3	16.7	18.2	19.9	16.3	18.1
NFFR abv Cresta Powerhouse (NF16)	June	21.2	16.4	18.7	18.9	14.4	17.2	20.0	14.7	17.6
	July	22.6	20.9	21.7	22.7	17.7	20.1	22.1	19.7	21.1
	Aug	22.4	19.6	20.9	22.1	19.5	20.2	21.6	20.2	20.9
	Sept	20.7	17.1	18.5	20.6	16.5	18.3	20.2	16.5	18.3
Cresta Powerhouse (CR1)	June	20.8	16.3	18.5	18.5	13.9	16.8	19.8	13.8	17.1
	July	22.5	20.4	21.4	22.3	17.4	19.7	21.5	19.4	20.7
	Aug	22.5	20.1	21.0	22.0	19.5	20.2	21.2	20.1	20.7
	Sept	20.7	17.3	18.7	20.1	17.0	18.3	20.1	16.7	18.5
Middle Fork Feather River At Milsap Bar (MB1)	June	21.1	15.2	18.2	16.9	13.4	15.6	20.1	14.0	17.7
	July	23.3	20.5	21.9	23.4	19.0	21.4	22.5	19.9	21.0
	Aug	22.9	18.6	20.3	22.3	18.6	19.6	21.3	19.2	20.3
	Sept	19.9	16.2	17.3	20.0	16.6	18.0	19.2	13.7	16.5

Table A-2
Summary of Observed Summer Mean Daily Flows (cfs)

Station	Month	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
NFFR near Chester (NF1) [Temporary]	June	397	214	298	645	392	504	800	282	467
	July	212	139	175	373	206	273	346	143	196
	Aug	136	112	120	220	151	177	142	108	123
	Sept	111	97	104	152	121	135	132	103	110
Hamilton Branch at Road A13 Bridge (HB1) [Temporary]	June	85.5	69.7	76.8	267	89	124	111	74.0	83.2
	July	95.0	67.7	76.8	111	80	92	104	70.6	85.1
	Aug	78.0	75.8	76.5	96	69	76	101	68.5	93.3
	Sept	76.2	61.0	71.7	100	65	69	80.7	67.3	77.3
Hamilton Branch Powerhouse (NF-83)	June	38	32	34	197	35.3	77.1	78.8	27.7	56.9
	July	35	0	23	38.4	0.0	23.0	50.8	0.0	27.3
	Aug	92	11	79	199	33.4	155	84.5	0.0	19.3
	Sept	79	35	72	171	37.8	141	174	83.6	117
NFFR below Canyon Dam (NF-2) [Permanent]	June	36.5	36.5	36.5	36.5	36.1	36.2	35.6	34.7	35.4
	July	36.9	36.1	36.5	36.1	36.1	36.1	37.0	33.4	35.1
	Aug	36.1	35.2	35.8	36.1	35.2	35.6	38.4	34.7	36.1
	Sept	35.2	34.7	34.9	35.2	34.3	35.0	37.9	37.0	37.5
NFFR above Caribou PH (NF4) [Temporary]	June	83.2	77.6	80.1	88.8	72.6	79.4	69.2	65.1	67.0
	July	77.3	74.9	75.9	72.2	66.6	69.1	66.3	63.8	64.9
	Aug	75.4	73.3	74.2	71.8	64.8	66.4	64.6	62.2	63.4
	Sept	73.5	71.2	72.7	64.7	61.8	63.2	64.7	63.3	63.8
Butt Valley Powerhouse (NF-71)	June	1084	0	115	1,320	0.0	919	1,820	0	643
	July	1283	0	746	1,433	800	1,175	1,702	435	1,274
	Aug	1439	159	984	1,818	1,134	1,386	1,726	1,330	1,616
	Sept	1615	504	1436	1,914	0.0	1,339	1,360	499	1,136
Butt Creek at ABC Tunnel (NF-4) [Permanent]	June	71.8	48.3	56.2	214	78.7	123	84.8	57.4	66.7
	July	47.6	43.6	45.6	78.0	63.4	69.5	62.7	49.4	53.1
	Aug	43.8	42.1	42.9	67.8	58.5	61.2	49.4	44.9	47.1
	Sept	42.4	40.9	41.6	58.5	54.5	56.4	48.3	44.6	45.4
Butt Creek at Mouth (BC3) [Temporary]	June	14.2	14.0	14.1	15.9	15.1	15.4	15.4	14.4	14.7
	July	14.2	13.7	13.9	15.1	14.9	15.0	15.6	15.0	15.2
	Aug	14.3	14.1	14.2	15.5	14.8	15.1	15.1	14.8	15.0
	Sept	14.6	14.1	14.3	14.9	14.5	14.7	15.7	15.0	15.3
Caribou No. 1 Powerhouse (NF-63)	June	325	0	21	252	0.0	31.0	466	0	146
	July	564	0	285	997	0.0	346	865	127	539
	Aug	744	129	516	977	135	467	771	232	546
	Sept	716	247	503	610	0.0	272	404	0	171

Table A-2
Summary of Observed Summer Mean Daily Flows (cfs)
(Continued)

Station	Month	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
Caribou No. 2	June	722	108	245	1,296	369	974	911	32.3	347
Powerhouse (NF-263)	July	735	0	332	1,300	0.0	798	1,022	17.1	703
	Aug	719	33	484	1,405	452	948	1,108	818	979
	Sept	1070	245	912	1,253	647	1,100	1,040	638	845
Oak Flat Powerhouse (NF-103)	June	0	116	105	117	108	113	119	105	113
	July	0	116	64.5	116	109	114	117	105	112
	Aug	111	116	114	116	0.0	98.7	116	96.2	112
	Sept	0	114	49.2	112	44.9	56.4	115	54.9	67.4
NFFR below Belden Dam (NF-70) [Permanent]	June	145	143	144	147	141	143	149	144	145
	July	144	142	143	147	141	143	148	142	145
	Aug	144	142	143	147	141	143	146	143	145
	Sept	143	62	69	138	62.9	66.8	146	65.1	81.4
Mosquito Creek At mouth (MC1) [Estimate]	June	7.5	5.1	6.2	16.5	9.0	12.1	8.9	6.3	7.4
	July	5.1	4.2	4.6	9.1	6.2	7.5	6.3	5.5	5.8
	Aug	4.1	4.0	4.1	6.2	4.7	5.4	5.5	5.3	5.4
	Sept	4.2	4.1	4.1	5.4	3.8	4.3	5.3	5.3	5.3
East Branch NFFR near NFFR (NF-51) [Permanent]	June	334	117	187	1,204	225	537	395	127	224
	July	118	51.4	79.9	211	106	148	149.1	58.8	95.8
	Aug	60.9	45.0	52.5	151	84.3	108	64.8	47.0	57.1
	Sept	62.0	48.8	55.9	106	82.5	92.6	75.2	55.7	64.7
Belden Powerhouse (NF-74)	June	830	0	121	1,328	287	955	1,286	0	418
	July	1216	0	518	1,441	742	1,110	1,689	538	1,132
	Aug	1504	241	1001	1,714	769	1,279	1,682	1,107	1,434
	Sept	1513	677	1108	1,788	545	1,329	1,622	609	1,078
Yellow Creek Near mouth (YC1) [Temporary]	June	117	64.5	81.5	210	117	156	178	88.9	122
	July	63.6	52.4	56.9	116	75.3	91.2	101	60.1	71.5
	Aug	53.7	50.8	52.2	85.7	66.0	71.7	59.9	51.9	55.5
	Sept	54.0	48.8	51.3	67.7	61.3	64.0	57.5	50.7	52.4
Chips Creek Near mouth (CHIP) [Estimate]	June	107	33.8	64.3	229	57.9	109	127	47.7	83.6
	July	33.3	18.2	25.7	55.9	27.4	38.5	45.9	17.2	28.2
	Aug	17.7	14.4	15.5	27.0	18.0	21.8	16.8	12.6	14.0
	Sept	14.3	12.4	13.3	17.8	13.5	15.4	12.6	12.3	12.4
NFFR below Rock Creek Dam (NF-57) [Permanent]	June	1133	170	267	1,079	238	281	1,117	272	313
	July	774	150	216	733	193	222	803	249	275
	Aug	553	191	209	540	190	207	707	252	270
	Sept	650	196	229	667	191	213	690	229	259

Table A-2
Summary of Observed Summer Mean Daily Flows (cfs)
(Continued)

Station	Mont	2002			2003			2004		
		max	min	mean	max	min	mean	max	min	mean
Milk Ranch Creek	June	9.8	6.4	8.2	82.8	16.8	38.3	22.2	9.85	14.5
Near mouth	July	6.2	4.1	5.0	16.6	6.3	9.3	9.55	5.67	7.16
(MR1)	Aug	4.2	3.4	3.7	8.9	5.2	7.0	5.66	4.61	5.03
[Temporary]	Sept	3.5	3.2	3.3	5.2	4.3	4.8	4.99	4.33	4.52
Chambers Creek	June	46.9	9.9	25.2	78.3	22.1	41.9	32.3	8.7	17.9
Near mouth	July	9.7	4.6	4.1	21.3	8.8	13.8	8.3	3.8	5.4
(CHAM)	Aug	4.4	3.0	3.5	8.6	4.7	6.4	3.8	3.3	3.5
[Estimate]	Sept	3.0	2.5	2.7	5.0	3.0	3.7	3.3	3.3	3.3
Bucks Creek	June	24.1	19.0	21.7	200	28.6	63.5	26.9	20.7	23.5
Near Mouth	July	18.8	13.8	16.1	28.3	19.2	23.5	20.2	14.5	16.7
(BUCK1)	Aug	13.7	10.7	12.1	20.9	16.7	18.2	14.5	12.1	13.3
[Temporary]	Sept	13.5	10.2	12.2	16.6	15.1	15.8	13.6	11.6	11.9
Bucks Creek	June	51	5	19	338	53.2	273	226	96.4	178
Powerhouse	July	194	1	83	250	0.0	117	262	70.2	132
(NF-20)	Aug	228	0	113	221	1.4	132	241	129	195
	Sept	237	109	171	223	37.8	197	192	33.5	87.5
Rock Creek	June	1342	204	479	2,450	596	1,917	1,210	486	787
Powerhouse	July	1358	97	756	1,701	1,058	1,424	2,007	789	1,327
(NF-64)	Aug	1596	184	1095	2,033	829	1,531	1,867	1,055	1,583
	Sept	1744	422	1466	2,024	545	1,485	1,690	537	1,213
Rock Creek	June	44.5	8.9	21.6	118	13.9	36.2	70.6	10.5	31.4
Near mouth	July	8.7	3.0	5.8	13.1	4.7	7.6	9.7	3.1	4.9
(RC2)	Aug	2.8	2.1	2.3	4.6	2.8	3.5	3.1	2.9	2.9
[Estimate]	Sept	2.1	1.7	1.9	3.4	2.9	3.1	2.9	2.9	2.9
Grizzly Creek	June	38.8	28.9	33.6	72.6	44.5	56.4	51.1	31.0	39.7
Near mouth	July	28.4	20.0	24.1	44.3	24.1	32.9	30.0	18.7	23.4
(GR1)	Aug	20.2	15.1	17.5	28.2	18.1	21.9	18.6	12.5	15.6
[Temporary]	Sept	16.9	12.9	14.6	19.4	14.4	16.4	16.4	10.6	11.7
NFFR below	June	1109	271	321	561	262	325	371	251	279
Grizzly Creek	July	805	235	265	834	269	299	553	248	273
(NF-56) ³	Aug	568	236	260	625	253	284	712	236	273
[Permanent]	Sept	667	240	262	531	175	268	712	254	281
Cresta	June	1576	243	600	3,475	1,515	2,570	1,617	879	1,184
Powerhouse	July	1457	12	820	1,958	1,041	1,543	2,290	885	1,487
(NF-62)	Aug	1698	216	1135	2,209	879	1,620	2,082	1,130	1,766
	Sept	1898	544	1658	2,223	479	1,631	1,818	419	1,287