
APPENDIX A

USGS Water Quality Data, 2001

SNAKE RIVER BASIN

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1994, June to September 1995, May to September 1996.

INSTRUMENTATION:--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 22.5°C July 22, 24, Aug. 11, 1994.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM CF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	
OCT														
26...	1357	347	595	10.3	113	7.6	275	9.5	8.5	59	18.4	3.30	4.52	
30...	1050	324	590	9.5	101	7.9	287	5.5	7.0	59	18.2	3.21	4.66	
NOV														
15...	1155	276	591	10.9	103	8.2	325	5.0	2.3	69	21.3	3.74	4.74	
DEC														
12...	1200	257	588	11.7	104	7.5	308	-7.0	.00	61	19.1	3.35	4.96	
12...	1230	257	590	11.3	100	8.3	311	-8.0	.00	62	19.4	3.31	4.97	
JAN														
18...	1320	277	600	10.4	94	7.8	294	-4.0	1.4	57	17.6	3.12	5.06	
FEB														
22...	1000	310	594	11.3	107	7.7	284	5.0	2.6	52	16.2	2.82	5.00	
MAR														
08...	1100	282	602	12.0	109	7.6	295	-2.0	1.5	55	17.2	3.03	4.93	
MAY														
02...	1130	1390	595	11.0	105	7.7	150	3.0	2.9	47	14.2	2.70	2.10	
15...	0830	5520	593	10.1	101	7.7	82	9.5	4.6	29	9.00	1.56	.90	
JUN														
12...	0945	770	590	8.7	103	8.0	194	14.2	11.4	50	15.2	2.84	2.68	
JUL														
24...	0930	276	598	8.8	113	8.1	303	19.8	15.3	69	21.0	3.87	4.53	
AUG														
07...	0900	204	602	8.6	112	8.0	341	18.8	16.6	75	23.0	4.26	5.35	
SEP														
18...	0940	218	599	8.6	100	8.2	358	5.0	11.0	82	25.1	4.66	5.42	
DATE		SODIUM AD-SORP-TION RATIO (00931)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AM-MONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT														
26...	2	30.4	--	15.9	2.3	33.2	30.6	.26	176	188	183	<.041	.09	
30...	2	33.3	76	17.6	.2	33.7	31.9	.27	171	196	188	<.041	.11	
NOV														
15...	2	36.6	--	18.8	2.1	35.0	38.0	.29	161	216	209	<.041	.08	
DEC														
12...	2	35.9	80	18.7	2.5	37.4	33.3	.28	144	208	203	<.041	.29	
12...	2	37.5	--	20.3	2.6	36.8	34.2	.28	145	209	206	<.041	.19	
JAN														
18...	2	35.1	--	20.1	2.5	37.1	32.0	.28	153	205	204	<.041	.13	
FEB														
22...	2	35.0	--	17.9	2.7	37.5	29.0	.26	157	188	188	<.041	.10	
MAR														
08...	2	34.8	--	18.9	2.6	37.8	30.4	.27	152	200	187	<.041	.10	
MAY														
02...	.8	12.2	--	6.7	.9	17.6	12.1	.16	447	119	98	<.041	.25	
15...	.4	4.7	--	2.8	.4	9.8	4.4	.08	924	62	52	<.040	.50	
JUN														
12...	1	18.6	--	9.0	1.3	24.2	18.3	.18	274	132	127	<.040	.12	
JUL														
24...	2	33.2	--	16.8	2.1	32.4	33.6	.27	150	201	211	<.040	.08	
AUG														
07...	2	38.7	--	19.8	2.1	34.5	41.5	.30	120	218	233	E.033	.09	
SEP														
18...	2	41.1	--	22.5	2.1	34.5	45.6	.33	141	240	239	<.040	.10	

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(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN. NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER, DISS, REC. (UG/L) (49260) (46342)	ALA- CHLOR, WATER, DISS, REC. (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)
OCT 26...	<.047	<.018	.005	--	--	10	E2.2	--	--	--	--	--	--
30...	E.025	<.018	<.060	1.5	<.2	10	3.4	<.002	<.004	<.002	<.005	<.007	<.010
NOV 15...	E.041	<.018	.009	--	--	M	3.3	--	--	--	--	--	--
DEC 12...	E.038	<.018	E.036	1.4	.4	M	3.2	--	--	--	--	--	--
12...	E.044	<.018	.011	--	--	10	3.6	--	--	--	--	--	--
JAN 18...	E.044	<.018	.011	--	--	M	E2.8	--	--	--	--	--	--
FEB 22...	E.042	<.018	.010	1.1	--	20	E2.8	<.002	<.004	<.002	<.005	<.007	<.010
MAR 08...	E.044	<.018	.013	--	--	10	<3.2	<.002	<.004	<.002	<.005	<.007	<.010
MAY 02...	.051	<.018	.063	3.2	--	30	5.4	<.002	<.004	<.002	<.005	<.007	<.010
15...	E.043	.030	.344	--	--	30	5.6	<.002	<.004	<.002	<.005	<.007	<.010
JUN 12...	E.025	<.020	.016	1.7	--	M	E2.2	<.002	<.004	<.002	<.005	<.007	<.010
JUL 24...	E.023	<.020	.011	--	--	10	4.7	<.002	<.004	<.002	<.005	<.007	<.010
AUG 07...	E.026	<.020	.007	1.1	--	10	E2.7	<.002	<.004	<.002	<.005	<.007	<.010
SEP 18...	<.050	<.020	.010	--	--	10	4.2	<.002	<.004	<.002	<.005	<.007	<.010

DATE	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL WATER, FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
30...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	E.003	<.021	<.002	<.009	<.005
NOV 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
MAR 08...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
MAY 02...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
15...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
JUN 12...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
JUL 24...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
AUG 07...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005
SEP 18...	<.002	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.021	<.002	<.009	<.005

SNAKE RIVER BASIN

13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
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WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	PCNOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS- SOLVED (UG/L) (39341)	LIN- URON WATER FLTRD 0.7 U (UG/L) (82666)	MALA- THON, DIS- SOLVED (UG/L) (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U (UG/L) (82686)	METHYL PARA- THON WAT FLT 0.7 U (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)	MOL- INATE WATER FLTRD 0.7 U (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U (UG/L) (82684)	P, P' DDE DISSOLV (UG/L) (34653)	PARA- THON, DIS- SOLVED (UG/L) (39542)	PFB- ULATE WATER FLTRD 0.7 U (UG/L) (82669)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 30...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
NOV 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAR 08...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAY 02...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
MAY 15...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JUN 12...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
JUL 24...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
AUG 07...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
SEP 18...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)
OCT 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 30...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
NOV 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 22...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
MAR 08...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
MAY 02...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
MAY 15...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
JUN 12...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
JUL 24...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
AUG 07...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
SEP 18...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002

SNAKE RIVER BASIN

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13010065 SNAKE RIVER ABOVE JACKSON LAKE AT FLAGG RANCH, WY--Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT			
26...	--	1	.94
30...	<.009	4	3.5
NOV			
15...	--	1	.75
DEC			
12...	--	6	4.2
12...	--	2	1.4
JAN			
18...	--	2	1.5
FEB			
22...	<.009	2	1.7
MAR			
08...	<.009	1	.76
MAY			
02...	<.009	17	64
15...	<.009	330	4920
JUN			
12...	<.009	4	8.3
JUL			
24...	<.009	1	.75
AUG			
07...	<.009	1	.55
SEP			
18...	<.009	1	.59

E -- Estimated value.

M -- Presence verified, not quantified.

SNAKE RIVER BASIN

447

13013650 SNAKE RIVER AT MOOSE, WY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	FONOPOS WATER DISS REC (04095)	LINDANE DIS- SOLVED (39341)	LIN- URON WATER FLTRD 0.7 U GF, REC (82666)	MALA- THION, DIS- SOLVED (39532)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (82667)	METO- LACHLOR WATER DISSOLV (39415)	METRI- BUZIN WATER DISSOLV (82630)	MCL- INATE WATER FLTRD 0.7 U GF, REC (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (82684)	P.P. DDE DISSOLV (34653)	PARA- THION, DIS- SOLVED (39542)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (82669)
OCT 30...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 26...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.007	<.002
AUG 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	PRO- METON, WATER, DISS, REC (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROPA- CHLOR, WATER, DISS, REC (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (82685)	SI- MAZINE, WATER, DISS, REC (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (82665)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (82678)
OCT 30...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 26...	<.010	<.006	<.011	<.015	<.004	<.010	<.011	<.023	<.011	<.016	<.034	<.005	<.002
AUG 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (82661)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (80155)
OCT 30...	<.009	2	5.5
DEC 11...	--	3	7.5
FEB 20...	--	5	11
APR 20...	--	14	41
JUN 26...	<.009	14	181
AUG 06...	--	21	285

E -- Estimated value.
M -- Presence verified, not quantified.

SALT RIVER BASIN

13027500 SALT RIVER ABOVE RESERVOIR, NEAR ETNA, WY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT 31...	0955	504	618	9.6	98	8.0	472	5.5	7.0	<.041	.987	E.004	<.018
FEB 21...	1015	331	624	10.3	91	8.1	486	3.0	2.0	<.041	1.01	.008	<.018
APR 19...	1545	557	630	10.1	105	8.2	483	13.0	8.5	<.041	.639	E.003	<.018
JUN 27...	1100	306	625	10.0	114	8.2	471	22.0	12.0	E.022	.800	.007	<.020
AUG 07...	0925	265	630	7.5	85	8.1	477	23.0	12.0	E.021	.934	.008	<.020

DATE	E COLI, MTEC MF WATER (COL/100 ML) (31633)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
OCT 31...	--	E11k	35	48
FEB 21...	E11k	E12k	38	34
APR 19...	45	82	77	116
JUN 27...	E17k	21	21	17
AUG 07...	58	59	34	24

E -- Estimated value.

k -- Counts outside acceptable range (non-ideal colony count).