APPENDIX B

GROUNDWATER QUALITY IN THE WYOMING PRB
(Sources: BLM 2003b, 2004b; Larson 1984; Larson and Daddow 1984; Meyer 2004; Ogle 2001.)

TABLE B-1
GROUNDWATER QUALITY DATA
FORT UNION AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County or Geologic Unit	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Cloride (mg/L)	Flouride (mg/L)	Boron (umg/L)	Iron (ug/L)	SAR
42N 069W 07BAC	47	69	7	1968	CAMPBELL	120	8	613	32	17	161	8	396	186	4	0	5	550	6
43N 69W 19AB	43	69	19	1968	CAMPBELL	170	9	1,490	61	30	385	9	333	828	4	1	10	490	10
43N 72W 36BCC	43	72	36	1978	CAMPBELL	693	8	2,570	310	180	180	10	320	1,600	4	0	--	120,000	2
45N 71W 05BAD	45	71	5	1977	CAMPBELL	400	7	792	30	12	240	10	790	62	41	1	160	700	9
47N 72W 18CA	47	72	18	1975	CAMPBELL	--	7	1,430	180	52	210	8	340	790	7	0	50	630	4
47N 72W 18DA	47	72	18	1975	CAMPBELL	--	8	697	35	11	210	10	515	160	8	0	60	40	8
48N 69W 11DC	48	69	11	1976	CAMPBELL	420	8	1,210	8	3	400	3	542	510	8	1	120	50	31
48N 69W 22AC	48	69	22	1976	CAMPBELL	400	8	1,260	8	3	410	3	408	610	13	1	90	110	31
48N 69W 35ABD	48	69	35	1968	CAMPBELL	170	9	1,190	15	5	410	4	590	440	7	1	80	70	23
48N 70W 17BC	48	70	17	1968	CAMPBELL	300	7	1,950	367	81	78	7	32	1,360	9	0	50	670	1
49N 75W 29CAC	49	75	29	1958	CAMPBELL	2,111	8	1,290	15	9	510	--	1,231	118	34	--	--	--	26
49N 75W 32DCC	49	75	32	1958	CAMPBELL	2,832	8	1,010	19	5	380	--	781	150	70	--	--	--	20
50N 71W 21BBB	50	71	21	1974	CAMPBELL	220	8	2,790	330	150	380	40	753	1,500	11	1	80	20	4
50N 71W 27ABA	50	71	27	1975	CAMPBELL	--	8	333	6	1	130	5	354	3	5	1	50		13
50N 71W 27BCB	50	71	27	1949	CAMPBELL	540	8	270	8	4	91	3	283	3	7	1	190	50	7
50N 71W 33BAC	50	71	33	1974	CAMPBELL	152	8	3,070	290	160	500	23	895	1,600	44	1	120	430	6
51N 69W 20BD	50	69	20	1968	CAMPBELL	206	9	1,340	28	4	450	5	620	530	1	3	100	90	21
51N 71W 23CD	50	71	23	1968	CAMPBELL	219	8	1,440	119	65	261	16	519	703	8	1	250	80	5
51N 71W 32CDC	50	71	32	1968	CAMPBELL	311	8	1,020	57	29	320	11	1,150	1	10	1	70	600	9
51N 76W 9BB	51	76	9	1968	CAMPBELL	1,800	8	1,160	24	3	455	17	1,231	0	21	101	100	60	23
52N 70W 02AB	52	70	2	1968	CAMPBELL	750	9	781	7	1	300	2	629	144	6	2	150	70	28
52N 70W 11CA	52	70	11	1968	CAMPBELL	635	9	825	5	5	325	2	702	123	10	2	180	270	25
52N 70W 25DB	52	70	25	1968	CAMPBELL	505	9	948	5	2	360	2	594	266	7	3	70	160	34
53N 70W 26CC	53	70	26	1968	CAMPBELL	720	9	790	5	3	309	2	655	130	7	3	160	120	27
53N 71W 12DD	53	71	12	1968	CAMPBELL	780	9	820	3	1	320	2	729	117	6	2	140	110	41
53N 73W 24AC	53	73	24	1968	CAMPBELL	173	8	2,740	379	102	431	17	1,350	1,120	9	1	30	580	5
53N 74W 35AB	53	74	35	1976	CAMPBELL	210	7	3,220	300	130	480	10	259	2,100	6	0	120	190	6
53N 76W 26AAA	53	76	26	1968	CAMPBELL	1,043	9	1,160	22	10	440	14	1,304	0	13	1	110	1,400	20
54N 70W 9DCC	54	70	9	1968	CAMPBELL	900	8	740	3	0	285	1	580	148	4	3	130	60	45
54N 71W 01CD	54	71	1	1968	CAMPBELL	270	9	924	10	1	335	2	569	281	6	1	30	210	27
55N 69W 35BB	55	69	35	1968	CAMPBELL	320	8	1,650	145	82	280	9	652	781	14	1	120	1,000	5
55N 70W 14ADC	55	70	14	1968	CAMPBELL	930	9	701	3	0	268	1	524	151	6	2	280	100	43
55N 72W 25CA	55	72	25	1975	CAMPBELL	spring	8	209	36	12	14	9	177	24	3	1	160	50	1
55N 73W 26	55	73	26	1977	CAMPBELL	465	7	1,120	49	34	360	12	1,290	8	6	1	90	20	10
55N 75W 9BC	55	75	9	1968	CAMPBELL	1,095	9	1,220	12	7	490	8	1,377	1	16	2	120	460	28
56N 70W 34BDA	56	70	34	1968	CAMPBELL	580	9	792	3	1	300	2	539	206	6	1	190	60	38
56N 72W 31DDA	56	72	31	1976	CAMPBELL	683	7	891	33	19	260	10	542	290	8	1	--	60	9

TABLE B-1
GROUNDWATER QUALITY DATA
FORT UNION AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County or Geologic Unit	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Cloride (mg/L)	Flouride (mg/L)	Boron (umg/L)	Iron (ug/L)	SAR
56N 73W 25BBA	56	73	25	1977	CAMPBELL	442	8	1,940	73	83	480	15	580	990	6	0	100	60	9
56N 74W 4CB	56	74	4	1976	CAMPBELL	3,850	8	1,330	1	0	450	2	1,609	24	41	7	380	40	124
56N 76W 25CB	56	76	25	1976	CAMPBELL	850	8	2,060	26	18	800	12	2,330	24	21	1	160	160	29
57N 70W 19DD	57	70	19	1976	CAMPBELL	606	9	657	2	0	220	1	380	230	7	1	110	110	43
57N 71W 14BD	57	71	14	1968	CAMPBELL	615	9	661	2	1	254	1	521	129	5	2	130	150	37
57N 74W 8BA	57	74	8	1976	CAMPBELL	212	7	1,210	16	9	470	6	1,370	11	9	1	120	230	23
58N 71W 26DA	58	71	26	1968	CAMPBELL	350	8	668	3	0	252	1	433	183	4	2	160	90	40
58N 73W 24DC	58	73	24	1968	CAMPBELL	12	8	2,380	268	68	370	52	585	1,310	5	1	5,400	50	5
39N 72W 6BD	39	72	6	1968	CONVERSE	1,104	8	287	9	1	94	1	176	81	3	0	50	30	8
39N 73W 23DCD	39	73	23	1980	CONVERSE	1,092	8	351	47	6	60	5	207	110	4	0	--	490	2
40N 68W 23DD	40	68	23	1969	CONVERSE	433	8	377	3	2	152	2	400	4	7	1	20	--	17
41N 68W 28DB	41	68	28	1974	CONVERSE	99	8	1,840	180	87	290	16	288	1,110	4	0	70	790	4
51N 77W 20CC	51	77	20	1961	JOHNSON	758	8	1,000	7	3	410	5	--	0	13	3	14	180	33
52N 77W 3AB	52	77	3	1960	JOHNSON	828	8	1,220	14	3	500	5	--	1	23	1	70	450	32
53N 77W 10CDC	53	77	10	1960	SHERIDAN	424	8	1,540	22	8	620	7	--	1	24	1	110	470	29
54N 76W 5AC	54	76	5	1961	SHERIDAN	710	8	1,290	19	3	524	6	--	0	16	1	70	720	29
54N 77W 5DB	54	77	5	1961	SHERIDAN	1,185	8	981	6	2	400	5	--	0	17	1	150	80	36
55N 77W 11BA	55	77	11	1978	SHERIDAN	800	8	1,390	8	5	760	12	976	23	72	4	210	70	52
55N 77W 28DD	55	77	28	1962	SHERIDAN	500	8	915	12	3	374	5	--	1	16	2	--	200	25
56N 78W 22AC	56	78	22	1961	SHERIDAN	165	8	981	7	3	400	4	--	2	7	2	150	140	32
56N 85W 31BD	56	85	31	1976	SHERIDAN	116	8	547	31	14	140	4	390	150	7	1	140	20	5
57N 76W 20BD	57	76	20	1960	SHERIDAN	265	8	1,340	12	2	555	4	--	2	21	1	120	880	39
57N 83W 3AB	57	83	3	1962	SHERIDAN	120	8	1,160	8	3	490	5	--	0	8	2	--	190	37
57N 84W 19BD	57	84	19	1962	SHERIDAN	126	8	1,900	31	29	810	17	--	55	23	201	--	100	25
57N 85W 19AA	57	85	19	1962	SHERIDAN	180	8	888	14	5	360	4	--	0	57	2	--	140	21
58N 84W 29CDD	58	84	29	1962	SHERIDAN	1,260	8	742	3	3	335	2	--	0	13	4	--	580	33
433652 105075501	42	69	15	1999	S1-TR clinker	sprng	8	187	35	10	8	7	141	28	3	1	--	--	0
442232 105264101	51	71	30	1999	S2-TR clinker	sprng	8	1,200	210	65	46	25	195	720	12	1	--	--	1
433408 105270101	42	72	36	1999	C1-Wyodak	--	7	395	17	9	130	6	439	0	7	2	--	--	6
435411 105294001	45	72	3	1999	C4-Wyodak	--	7	571	23	15	190	9	615	0	24	2	--	--	8
440808 106070601	48	77	16	1999	C11-BigGeor	--	7	2,720	51	39	1,000	48	3,134	0	21	1	--	--	26
4410471 105535401	49	75	32	1999	C15-Wyodak	--	7	624	25	14	190	13	707	1	7	1	--	--	8
443241 105360802	53	73	26	1999	C17-Canyon	--	8	1,040	62	33	330	12	962	1	11	1	--	--	8
43.88 105.73	45	74	10	1999	Canyon	1,400	7	900	52	16	300	7	1,000	12	9	1	--	--	9
43.887 105.73128	45	74	10	1999	Anderson	1,200	7	970	38	18	340	6	1,020	5	48	1	--	--	11
44.0887 105.60644	48	73	35	1999	Wyodak	1,000	7	660	34	18	210	12	760	0	9	1	--	--	7
44.08138 105.61156	47	73	3	1999	Wyodak	950	7	710	37	24	220	12	800	2	14	1	--	--	7

TABLE B-1
GROUNDWATER QUALITY DATA
FORT UNION AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County or Geologic Unit	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Cloride (mg/L)	Flouride (mg/L)	Boron (umg/L)	Iron (ug/L)	SAR
44..482 105.47708	47	72	14	1999	Wyodak	600	7	530	26	12	170	7	600	0	12	1	--	--	7
43.7796 105.45448	44	72	24	1999	Wyodak	800	7	400	20	8	130	6	460	0	10	1	--	--	6
44.09563 106.0562	48	77	36	1999	Big George	1,300	8	2,010	9	28	780	18	2,320	0	16	--	--	--	29
44.3671 105.75997	51	74	28	1999	Anderson	750	8	540	14	5	220	4	580	1	12	1	--	--	13
44.21950 105.48659	49	72	14	1999	Anderson	500	7	780	44	21	240	9	890	9	9	1	--	--	7
44.3682 105.55089	51	72	30	1999	Wyodak	400	7	990	57	36	300	13	1,130	1	9	1	--	--	8
44.7492 105.597	55	73	14	1999	Pawnee	500	8	800	30	14	290	8	880	3	10	1	--	--	11
44.6267 105.7655	54	74	28	1999	Wall	1,220	7	1,060	50	22	350	14	1,220	1	12	1	--	--	10
43.892 105.467	45	72	11	2000	Anderson	550	7	410	17	9	140	6	450	0	12	1	--	--	7
44.24217 105.44584	49	71	7	2000	Anderson	300	7	850	45	21	270	9	980	2	10	1	--	--	8
44.62621 106.02277	54	76	29	2000	Anderson	640	8	1,240	19	9	500	7	1,380	0	11	1	--	--	24
44.803 105.894	56	75	28	2000	Wall	--	8	1,550	15	9	630	8	1,740	0	18	1	--	--	32
44.7936 105.82395	56	75	36	2000	Anderson	370	8	1,390	35	19	530	8	1,570	2	6	0	--	--	18

TABLE B-2
GROUNDWATER
QUALITY DATA
WASATCH AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Flouride (mg/L)	Boron (µmg/L)	Iron (µg/L)	SAR
42N 70W 32AA	42	70	32	1968	CAMPBELL	280	8	929	66	30	241	7	745	185	23	1	30	700	6
42N 71W 26BBC	42	71	26	1968	CAMPBELL	110	8	1,720	17,935	310	8	197	1,080	7	0	40	170	--	0
42N 74W 6AC	42	74	6	1968	CAMPBELL	225		941	146	33	112	7	210	515	16	0	20	80	2
42N 70W 11DA	43	70	11	1968	CAMPBELL	45	8	1,440	244	66	83	18	227	885	3	1	--	30	1
43N 71W 21ADB	43	71	21	1978	CAMPBELL	100	8	1,320	96	23	310	8	240	750	9	0	--	150	7
43N 72W 16CC	43	72	16	1968	CAMPBELL	345	9	1,790	340	100	68	9	318	1,100	2	0	100	890	1
44N 70W 28CBC	44	70	28	1968	CAMPBELL	261	9	785	40	10	221	5	366	306	13	1	10	440	8
44N 71W 10DD	44	71	10	1968	CAMPBELL	124	8	1,710	299	110	74	7	242	1,080	6	0	60	30	1
44N 72W 15BA	44	72	15	1966	CAMPBELL	145	7	2,660	448	157	122	13	340	1,730	7	1	310	1,030	1
44N 73W 35CC	44	73	35	1968	CAMPBELL	205	8	1,070	75	17	238	3	118	672	3	0	10	30	6
45N 71W 2AAA	45	71	2	1968	CAMPBELL	155	8	1,240	100	26	268	6	361	630	19	1	60	2,300	6
45N 72W 36BCC	45	72	36	1978	CAMPBELL	218	8	3,760	460	250	300	12	410	2,500	16	0	--	3,200	3
45N 74W 17CB	45	74	17	1968	CAMPBELL	259	8	1,520	136	19	309	5	82	1,000	5	0	20	60	7
45N 75W 34BB	45	75	34	1968	CAMPBELL	160	8	487	92	36	26	4	358	135	2	0	10	970	1
46N 72W 27AAC	46	72	27	1968	CAMPBELL	125	8	705	55	8	176	5	268	308	12	1	30	--	6
46N 73W 34CCD	46	73	34	1968	CAMPBELL	200	8	1,300	130	31	271	5	573	555	12	0	50	610	6
46N 74W 9CB	46	74	9	1968	CAMPBELL	281	8	726	34	8	195	2	120	410	9	0	10	40	8
46N 75W 9BD	46	75	9	1968	CAMPBELL	400	7	983	44	11	250	3	88	604	18	0	20	520	9
46N 76W 10DA	46	76	10	1968	CAMPBELL	90	8	1,890	198	123	231	4	274	1,160	15	0	120	20	3
47N 72W 7CBD	47	72	7	1976	CAMPBELL	156	8	649	35	8	200	5	475	98	11	--	70	10	8
47N 75W 13BCC	47	75	13	1968	CAMPBELL	355	8	1,310	225	74	96	5	350	720	3	0	30	40	1
47N 73W 8DDC	47	73	8	1968	CAMPBELL	311	8	766	33	6	205	3	98	457	5	0	20	80	9
47N 76W 26CD	47	76	26	1968	CAMPBELL	300	8	1,040	61	10	257	3	90	656	5	0	0	130	8
48N 71W 34CB	48	71	34	1968	CAMPBELL	114	7	1,450	151	51	307	12	984	412	10	1	90	4,860	6
48N 72W 13AA	48	72	13	1968	CAMPBELL	122	8	1,880	300	156	62	8	375	1,110	7	1	150	180	1
48N 73W 31AD	48	73	31	1968	CAMPBELL	305	8	1,520	151	31	285	6	180	948	2	0	30	20	6
48N 75W 14BD	48	75	14	1976	CAMPBELL	195	9	312	5	1	110	1	223	61	16	1	40	90	12
49N 75W 34CA	49	75	34	1976	CAMPBELL	515	9	646	9	2	190	2	180	330	16	0	40	90	15
49N 76W 27AAA	49	76	27	1968	CAMPBELL	1,000	8	726	9	2	300	3	779	7	10	2	110	460	24
50N 71W 20ADC	50	71	20	1949	CAMPBELL	6	7	1,490	195	112	58	67	304	856	8	1	630	10	1
50N 72W 20CAA	50	72	20	1949	CAMPBELL	160	8	430	85	32	9	6	249	149	4	1	0	270	0
50N 74W 31CB	50	74	31	1968	CAMPBELL	290	7	1,220	50	17	312	3	123	768	2	1	20	0	10
50N 75W 30BD	50	75	30	1968	CAMPBELL	400	8	395	7	2	138	2	217	121	9	1	20	20	12
51N 71W 22CDC	50	71	22	1949	CAMPBELL	sprng	8	286	53	11	14	11	164	79	3	1	230	10	0
51N 72W 22CB	51	72	22	1968	CAMPBELL	100	8	1,070	79	38	306	10	1,120	73	1	1	360	370	7
52N 73W 25DD	52	73	25	1968	CAMPBELL	210	7	273	58	13	10	2	146	100	1	1	10	1,400	0
52N 75W 17AD	52	75	17	1968	CAMPBELL	938	8	506	10	4	198	3	549	1	9	1	30	40	13
53N 74W 7BCC	53	74	7	1968	CAMPBELL	120	8	4,080	440	159	640	15	366	2,630	5	0	100	2,600	7

TABLE B-2
GROUNDWATER
QUALITY DATA
WASATCH AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Cloride (mg/L)	Flouride (mg/L)	Boron (µmg/L)	Iron (µg/L)	SAR
53N 75W 4AC	53	75	4	1968	CAMPBELL	130	8	3,180	153	145	660	12	236	2,070	7	0	60	20	9
53N 76W 22AB	53	76	22	1976	CAMPBELL	1,050	8	891	7	3	350	7	970	15	18	1	110	190	28
40N 73W 8CD	40	73	8	1969	CONVERSE	310	8	588	30	4	165	2	189	277	4	0	40	20	8
40N 74W 21AC	40	74	21	1969	CONVERSE	30	8	395	100	22	8	4	295	102	2	0	10	10	0
44N 76W 8CDC	44	76	8	1969	JOHNSON	760	8	420	8	1	141	15	--	201	2	0	80	30	12
44N 78W 24ACA	44	78	24	1969	JOHNSON	265	8	781	17	4	246	3	--	413	7	1	140	160	14
44N 79W 20DAC	44	79	20	1969	JOHNSON	103	8	720	53	19	182	5	--	232	4	0	120	1,400	5
45N 78W 14CDD	45	78	14	1969	JOHNSON	480	8	320	1	2	112	2	--	92	6	1	40	180	15
45N 80W 1DAC	45	80	1	1969	JOHNSON	141	8	1,690	60	16	459	2	--	1,040	18	1	110	500	14
46N 77W 31BA	46	77	31	1961	JOHNSON	203	8	359	4	0	121	1	--	149	10	1	100	150	17
46N 80W 20BB	46	80	20	1961	JOHNSON	370	7	2,150	118	35	510	5	--	1,360	22	0	60	70	11
49N 81W 33BB	49	81	33	1961	JOHNSON	255	7	1,010	117	44	141	5	--	593	12	0	90	720	3
49M 82W 2BB	49	82	2	1961	JOHNSON	318	8	486	75	40	36	5	--	139	4	0	100	1,600	1
50N 79W 19BC	50	79	19	1960	JOHNSON	600	8	1,210	156	45	181	3	--	569	19	0	90	420	3
50N 82W 11CB	50	82	11	1961	JOHNSON	460	7	1,350	183	48	175	4	--	780	7	0	210	2,700	3
51N 79W 16BA	51	79	16	1960	JOHNSON	164	8	668	27	11	202	3	--	183	10	1	90	190	8
51N 82W 26BB	51	82	26	1967	JOHNSON	60	8	814	119	25	159	2	--	97	4	0	20	--	3
52N 79W 12CC	52	79	12	1960	JOHNSON	160	8	581	5	2	235	2	--	1	12	1	120	200	22
52N 82W 13DB	52	82	13	1961	JOHNSON	246	7	4,620	321	313	660	25	--	3,020	19	0	530	13,000	6
53N 79W 7BC	53	79	7	1962	SHERIDAN	280	8	625	6	2	252	2	675	2	18	1	--	80	23
53N 80W 2DB	50	80	2	1962	SHERIDAN	260	7	3,410	317	282	342	10	--	1,990	9	1	--	410	3
53N 82W 11CD	53	82	11	1962	SHERIDAN	143	8	920	15	5	378	3	--	15	2	1	--	240	22
53N 83W 7DD	53	83	7	1961	SHERIDAN	42	8	141	34	11	2	1	--	1	0	0	10	10	0
54N 79W 21BDD	54	79	21	1960	SHERIDAN	121	8	860	20	5	317	2	--	145	3	1	110	260	16
54N 80W 24BC	54	80	24	1962	SHERIDAN	120	8	4,950	457	403	450	26	--	3,010	8	1	--	8,100	4
54N 81W 14BC	54	81	14	1961	SHERIDAN	110	8	1,090	46	3	379	4	--	157	3	0	70	10	15
54N 82W 29BA	54	82	29	1962	SHERIDAN	60	7	672	136	36	49	7	--	157	1	0	--	3,700	1
54N 83W 3BA	54	83	3	1961	SHERIDAN	245	8	2,090	108	34	567	10	--	1,020	6	0	--	1,200	12
54N 84W 11AB	54	84	11	1960	SHERIDAN	160	8	383	3	62	22	2	--	64	2	0	180	240	1
55N 79W 30BBA	55	79	30	1960	SHERIDAN	200	8	821	8	2	336	5	--	3	11	1	120	410	27
55N 82W 5DC	55	82	5	1962	SHERIDAN	155	8	897	13	3	405	3	--	1	11	1	--	90	26
56N 81W 29BD	56	81	29	1960	SHERIDAN	378	8	627	3	0	243	1	--	118	6	2	120	120	39
56N 82W 35AA	56	82	35	1962	SHERIDAN	87	7	6,620	470	519	800	13	--	4,080	45	1	--	25,000	6
57N 79W 25CC	57	79	25	1961	SHERIDAN	95	8	4,920	220	136	1,140	12	--	3,110	7	0	190	40	15
57N 80W 31BB	57	80	31	1961	SHERIDAN	160	8	2,880	106	10	816	6	--	1,690	8	0	110	120	20
57N 81W 7CB	57	81	7	1962	SHERIDAN	510	8	834	6	2	350	3	--	3	16	2	--	140	32
440253 105385702	47	73	16	1999	W1-wasatch	--	9	263	6	2	97	2	251	13	8	1	--	--	9
440542 105351802	48	73	36	1999	W-2 wasatch	--	8	562	12	7	180	7	461	100	17	1	--	--	10

TABLE B-2
GROUNDWATER
QUALITY DATA
WASATCH AQUIFER
PRB WYOMING

Location	Township	Range	Section	Date	County	Depth (feet)	pH (units)	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Cloride (mg/L)	Flouride (mg/L)	Boron (µmg/L)	Iron (µg/L)	SAR
440724 105291301	48	72	22	1999	W-3 wasatch	--	8	527	19	6	180	5	555	23	6	1	--	--	9
440724 105291302	48	72	22	1999	W-4 wasatch	--	8	3,490	450	93	480	12	157	2,400	5	0	--	--	5
441019 105414502	49	74	36	1999	W-6 wasatch	--	8	1,010	8	24	330	13	1,244	10	0	2	--	--	13
441451 105375502	49	73	3	1999	W-7 wasatch	--	9	1,660	7	94	280	18	882	740	14	1	--	--	6

TABLE B-3
GROUNDWATER QUALITY
ALLUVIAL AQUIFER
WYOMING PRB

Location	Township	Range	Section	Date	County	Depth (feet)	pH	TDS (mg/L)	Calcium (mg/l)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Flouride (mg/L)	Boron (µmg/L)	Iron (µg/L)	SAR
50N 71W 27AAC	50	71	27	1974	CAMPBELL	18	7.7	2,180	260	130	290	14	443	1,100	160	1	280	50	4
50N 71W 27BAD	50	71	27	1975	CAMPBELL	19	7.5	6,610	370	520	980	18	746	4,300	38	1	480	--	8
53N 73W 12AB	53	73	12	1968	CAMPBELL	108	7.8	566	19	9	205	6	604	7	11	1	40	990	10
54N 71W 1CD	54	71	1	1968	CAMPBELL	37	8.7	757	25	12	241	4	513	204	7	1	60	120	10
55N 72W 32CDD	55	72	32	1968	CAMPBELL	60	8.4	992	35	40	262	18	709	258	13	1	120	410	7
56N 71W 30DBB	56	71	30	1977	CAMPBELL	23	7	2,110	280	120	160	27	370	1,300	8	1	500	120	2
58N 71W 25DC	58	71	25	1968	CAMPBELL	18	7.9	3,460	225	129	712	21	688	1,980	25	1	240	20	9
43N 79W 11DD	43	79	11	1950	JOHNSON	12	7.4	3,320	395	197	355	13	--	1,820	207	1	200	140	4
43N 80W 20CC	43	80	20	1950	JOHNSON	16	7.4	1,400	137	69	218	8	--	668	119	0	100	1,500	4
43N 82W 12AD	43	82	12	1950	JOHNSON	17	7.4	1,250	171	58	149	6	--	608	106	0	100	610	3
43N 82W 29AC	43	82	29	1950	JOHNSON	18	7.5	4,320	305	146	895	4	693	2,540	70	1	300	240	11
44N 82W 17DD	44	82	17	1969	JOHNSON	12	8.1	1,550	280	95	200	4	373	712	58	0	140	50	3
45N 78W 33AD	45	78	33	1950	JOHNSON	22	7.4	3,380	403	137	495	9	418	1,890	177	1	100	--	5
49N 77W 20BA	49	77	20	1960	JOHNSON	31	7.4	2,240	302	87	287	9	--	1,220	194	0	210	5,000	4
50N 82W 6AD	50	82	6	1962	JOHNSON	26	7.3	106	22	5	6	0	96	10	0	0	--	--	0
53N 86W 27CD	53	86	27	1960	JOHNSON	spring	6.7	72	10	3	5	1	58	3	0	0	10	220	0
53N 80W 18CA	50	80	18	1961	SHERIDAN	23	7.6	1,700	201	124	181	13	--	883	9	0	320	270	2
54N 84W 14BB	54	84	14	1962	SHERIDAN	65	7.6	272	72	18	12	1	--	8	0	0		80	0
56N 82W 34DC	56	82	34	1961	SHERIDAN	56	7.8	1,960	273	136	168	15	--	1,020	6	1	220	4,300	2

TABLE B-4
GROUNDWATER QUALITY
TULLOCK AQUIFER
POWDER RIVER BASIN
WYOMING

Location	Township	Range	Section	Date	County	Depth (feet)	pH	TDS (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	Potassium (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Flouride (mg/L)	Baron (µmg/L)	Iron (µg/L)	SAR
55N 77W 11BA	55	77	11	1978	SHERIDAN	2,470	8	2,290	9	4	1,200	14	1,440	32	290	6	820	70	48