

MBMG RI 32  
Appendix A. Monitoring Site Summary

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GWIC ID	Site Type	Site Name	Latitude	Longitude	Ground Surface Altitude	Twn	Rng	Sec	Q_Sec	TD	Source	Aquifer	Monitoring Activity
6386	Well	MBMG RESEARCH * WELL 84-05 BROSTON WEST	48.10980277	-114.18095	2906	27N	20W	7	DDDD	23	Shallow alluvial aquifer	111ALVM	1-yr monthly manual, plus older
6419	Well	MBMG RESEARCH * 84-27 * EVERETT	48.21309875	-114.2724631	2916.29	28N	21W	4	DCDA	23	Shallow alluvial aquifer	111ALVM	Long-term quarterly, plus some logger
6455	Well	MBMG RESEARCH * 84-22 * JONES	48.25475549	-114.2545607	2936.87	29N	21W	27	ABBB	22	Shallow alluvial aquifer	111ALVM	Long-term quarterly, plus some logger
80319	Well	BROSTEN, ARNE M. & ALICE J.	48.11144312	-113.988543	3066	27N	19W	10	DDD	661	Deep confined aquifer	112ALVM	1-yr quarterly manual
80389	Well	BOLL JERRY	48.08882	-114.03589	3072	27N	19W	20	ACDB	247	Deep confined aquifer	112ALVM	Long-term quarterly
80736	Well	OTTOSEN DONOVAN	48.09635303	-114.0993576	3108.35	27N	20W	14	DDCB	140	Bedrock aquifer	400BELT	Long-term quarterly, plus some logger
80745	Well	BREVIK GERALD AND LINDA	48.09470226	-114.1368116	2902.66	27N	20W	22	BBBB	400	Deep confined aquifer	112ALVM	Long-term quarterly, plus some logger
81530	Well	JOHNSON, LARRY AND ARLENE	48.19763974	-114.0711319	3216.89	28N	19W	7	CCCC	171	Deep confined aquifer	112ALVM	Long-term quarterly
81636	Well	MAYER PAUL	48.2168	-114.07314	3321	28N	20W	1	DAAC	75	Bedrock aquifer	400BELT	Long-term logger data
81711	Well	FRANK JERRY	48.19312585	-114.073258	3180.35	28N	20W	13	AAAD	340	Bedrock aquifer	400BELT	Long-term quarterly
81772	Well	BROWN, BRADLEY F AND DESIREE D	48.18976387	-114.1461405	2958.13	28N	20W	16	ACC	500	Deep confined aquifer	112ALVM	2-yr logger data
81775	Well	WHITT, LANCE	48.18996447	-114.1412788	2957.77	28N	20W	16	ADCA	140	Deep confined aquifer	112ALVM	1-yr logger data
82139	Well	FLATHEAD COUNTY PARK BOARD	48.2040922	-114.2293022	2929.94	28N	21W	8	ACDB	297	Deep confined aquifer	112ALVM	Long-term quarterly
82279	Well	SMITH, KEN	48.19659414	-114.216836	2948.83	28N	21W	13	ABAB	486	Deep confined aquifer	112ALVM	1-yr logger data, plus
82288	Well	SIDERIUS, TOM & TERRY	48.19189296	-114.2361152	2945.27	28N	21W	14	BDAC	180	Deep confined aquifer	112ALVM	1-yr monthly manual, plus one-time water quality
82381	Well	KEVIN PECINOVSKY	48.18404796	-114.2900642	2945	28N	21W	17	DDAC	229	Deep confined aquifer	112ALVM	Long-term quarterly
82578	Well	WATSON, JIM * SPRING BROOK RANCH	48.16111026	-114.3200275	2930.98	28N	21W	30	ACCC	130	Deep confined aquifer	112ALVM	1-yr monthly manual
82934	Well	PLUM CREEK TIMBER COMPANY	48.19602825	-114.3747948	3050.23	28N	22W	15	AAAA	220	Deep confined aquifer	112ALVM	Long-term quarterly

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83435	Well	LIBERTY, BRETT	48.30153583	-114.136949	3045	29N	20W	3	DDBA	340	Deep confined aquifer	112ALVM	1-yr monthly manual, plus older
83538	Well	QUIGLEY, EMMETT & SUSAN	48.28584021	-114.170805	3056.34	29N	20W	9	CCD	200	Deep confined aquifer	112ALVM	1-yr logger data
83662	Well	BATES, GORDON AND PAM	48.25415	-114.115	3089	29N	20W	26	AACA	120	Bedrock aquifer	400BELT	Long-term quarterly
83716	Well	LARSON, STEVE	48.24751238	-114.1838282	2985.76	29N	20W	29	ACCD	338	Deep confined aquifer	112ALVM	Long-term quarterly, plus some logger
83875	Well	CREIGHTON DAVE	48.29854199	-114.3068833	3045.27	29N	21W	5	CCCD	260	Deep confined aquifer	112ALVM	Long-term quarterly
84525	Well	CARMALT NUGGET	48.2842	-114.4249	3119	29N	22W	8	DCDC	73	Deep confined aquifer	112ALVM	Long-term logger data
84560	Well	KRUEGER FRED H.	48.28085751	-114.3691229	3058.27	29N	22W	14	BBDD	220	Deep confined aquifer	112ALVM	Long-term logger data, very long-term manual
84618	Well	NIELSEN GRANT T	48.266925	-114.4163056	3086	29N	22W	21	BBCD	28	Shallow alluvial aquifer	111ALVM	Short-term manual, adjacent to deep well
84619	Well	NIELSEN GRANT T.	48.26688999	-114.4162692	3085.6	29N	22W	21	BBCD	257	Deep confined aquifer	112ALVM	2-yr logger data
84669	Well	KOSKI JEFF AND TAMI	48.24797	-114.40579	3091	29N	22W	28	ACCC	210	Deep confined aquifer	112ALVM	Very long-term quarterly
84687	Well	ALLICK, ROGER	48.24765243	-114.4211841	3118.1	29N	22W	29	ADCB	231	Deep confined aquifer	112ALVM	Long-term quarterly
84734	Well	DEPT OF STATE LANDS	48.23524426	-114.349849	3054.66	29N	22W	36	BCBD	452	Deep confined aquifer	112ALVM	1-yr logger data
84737	Well	FLATHEAD COMMUNITY COLLEGE	48.23151196	-114.3315919	3010.07	29N	22W	36	DAAD	205	Deep confined aquifer	112ALVM	1-month logger data for baro-efficiency
85274	Well	MEADOW LAKE ESTATES AND COUNTRY CLUB	48.39235109	-114.2133101	3206.34	30N	20W	6	CBA A	360	Deep confined aquifer	112ALVM	Long-term logger data
85628	Well	HENNEBERG THOMAS * FV-N-09	48.34286743	-114.1851764	3058.24	30N	20W	20	DCCA	149	Deep confined aquifer	112ALVM	Long-term quarterly
85689	Well	TURNER LORIN (BECKY) * FV-N-04	48.34416534	-114.1449769	3074.02	30N	20W	22	CDAC	308	Deep confined aquifer	112ALVM	Long-term quarterly
85940	Well	MT DEPARTMENT OF TRANSPORTATION	48.37263732	-114.3169359	3035.25	30N	21W	8	DCBC	176	Deep confined aquifer	112ALVM	Long-term quarterly
86054	Well	ROSS CHAD	48.37390079	-114.2383303	3005.18	30N	21W	12	CCBA	144	Deep confined aquifer	112ALVM	Long-term quarterly
86411	Well	PARK KNOLL HOME OWNERS ASSOCIATION	48.38930306	-114.3424642	3120.97	30N	22W	1	DCBC	389	Deep confined aquifer	112ALVM	Long-term quarterly

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86565	Well	GASCOIGNE WILLIAM	48.29854082	-114.3080653	3048.42	30N	22W	21	DBBC	560	Bedrock aquifer	400BELT	Long-term quarterly
87873	Well	COLUMBIA FALLS ALUMINUM TEST WELL * 03	48.40032601	-114.1370106	3147.71	31N	20W	34	DDCC	168	Deep confined aquifer	112ALVM	Long-term logger data
88197	Well	NELSON SHIRLEY	48.40173188	-114.4611731	2994.75	31N	23W	36	DDDB	168	Deep confined aquifer	112ALVM	Long-term quarterly
120810	Well	MT DEPT OF HWYS	48.17860652	-114.4182179	3142.62	28N	22W	20	AADA	408	Deep confined aquifer	112ALVM	Long-term quarterly
130530	Well	MATTER FRED	48.07199792	-113.9503743	3218.18	27N	19W	25	ABAD	460	Bedrock aquifer	400BELT	Long-term quarterly
131524	Well	TRINITY LUTHERAN CHURCH CEMETERY	48.25545861	-114.3081896	3031.17	29N	21W	20	CCCC	278	Deep confined aquifer	112ALVM	Very Long-term quarterly
131916	Well	GREAT NORTHERN POWDER GUIDES JAY AND KYLANNE SANDELIN	48.59771	-114.61839	3245	33N	23W	30	BDAC	35	Shallow alluvial aquifer	111ALVM	Long-term quarterly
133916	Well	BROWN D.	47.86184314	-114.5534629	2960	24N	23W	9	BAA	170	Deep confined aquifer	112ALVM	Very Long-term quarterly
134212	Well	ROCKWELL, CAROL	48.07393649	-113.9657473	3096.33	27N	19W	26	ADDC	108	Deep confined aquifer	112ALVM	Long-term quarterly, plus logger
141562	Well	BOON, JAN M AND DANIEL B	48.10042473	-114.1803348	2905.58	27N	20W	17	CCBB	400	Deep confined aquifer	112ALVM	Long-term quarterly, plus logger
141665	Well	MARTI, FRANK AND DOROTHY	48.25738	-114.45288	3303	29N	22W	19	CDAC	252	Bedrock aquifer	400BELT	Long-term quarterly
143331	Well	ARLINT, BILL & LINDA	48.1899444	-114.2192028	2952	28N	21W	13	BCAC	200	Deep confined aquifer	112ALVM	1-yr quarterly manual
148187	Well	LANDWEHR, JIM * FVGS A-2	48.34806329	-114.1969264	3043.02	30N	20W	20	CBBB	157	Deep confined aquifer	112ALVM	Long-term logger data
148188	Well	NORMILE JIM	48.34820738	-114.1990453	3044.68	30N	20W	19	DAAD	518	Deep confined aquifer	112ALVM	Long-term quarterly, plus logger
148189	Well	DAVIES, RICHARD AND CAROL	48.34691179	-114.1991149	3043.19	30N	20W	19	DAAC	342	Deep confined aquifer	112ALVM	Long-term quarterly, plus logger
148191	Well	CARLSON GRAVEL PIT * B-2	48.34778419	-114.2984953	3074.23	30N	21W	21	CABDD	397.5	Deep confined aquifer	112ALVM	Mid-term logger data
148193	Well	MORRELL KEVIN AND HEATHER FVGS * C	48.32062	-114.34792	3173.96	30N	22W	36	BDCC	437.5	Deep confined aquifer	112ALVM	Long-term quarterly
148194	Well	FVGS MONITORING WELL * D	48.3198314	-114.3903309	2983.97	30N	22W	34	CBAA	377.5	Bedrock aquifer	400BELT	Mid-term quarterly plus manual

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148741	Well	MIKOWSKI ANTHONY & DENISE	48.10873281	-114.0205351	3052.94	27N	19W	16	ABBD	284	Deep confined aquifer	112ALVM	Short-term logger data
150622	Well	HELGELAND, LEE AND BARBRA	48.14290833	-114.0562711	3021.21	28N	19W	31	DACC	43	Shallow alluvial aquifer	111ALVM	Long-term logger data
152867	Well	LARSEN, JIM	48.0964488	-114.0458378	3066.87	27N	19W	17	CCDD	260	Deep confined aquifer	112ALVM	Short-term logger data
152883	Well	FOSTER, KRIS AND WADE	48.09639039	-114.2149164	2911.08	27N	21W	13	CDDD	360	Deep confined aquifer	112ALVM	Long-term quarterly, plus logger
153329	Well	SUNRAY DEVELOPMENT * BIG MTN WELL	48.459185	-114.356968	3560	31N	22W	11	DDCB	361	Bedrock aquifer	400BELT	Long-term logger data
154871	Well	BOLL JERRY	48.08875	-114.03553	3067	27N	19W	20	ACDD	18	Shallow alluvial aquifer	111ALVM	Long-term quarterly
154971	Well	NIELSEN ROSE	48.26673711	-114.4148497	3085.05	29N	22W	21	BBDC	220	Deep confined aquifer	112ALVM	Short-term manual (marginal)
158200	Well	NICHOLS RON AND SABRINA	48.34321874	-114.1295519	3201.65	30N	20W	23	CCCA	170	Bedrock aquifer	400BELT	Long-term quarterly
160661	Well	HODGEBOOM, FRED AND JOAN	48.14996331	-114.0416319	3138.63	28N	19W	32	BDA	298	Glacial drift confined aquifer	112ALVM	Short-term logger data
160791	Well	HODGEBOOM FRED * MW-1	48.14703218	-114.0501695	3012	28N	19W	32	BDDD	19	Shallow alluvial aquifer	111ALVM	Short-term logger data
168764	Well	BIGFORK COUNTY WATER SEWER DISTRICT	48.10415822	-114.1812757	2903	27N	20W	18	ADD	76	Shallow alluvial aquifer	111ALVM	Short-term manual (marginal)
169098	Well	CITY OF KALISPELL	48.22613844	-114.3283472	3009	29N	21W	31	CCCD	544	Deep confined aquifer	112ALVM	Long-term logger data
173086	SPRING	KALISPELL PUBLIC WORKS - NOFFSINGER SPRING	48.21558966	-114.3117625	2944.97	28N	21W	6	DACD		Surface water		One-time water quality
188742	Well	FVGS MONITORING WELL D * ANNULAR SPACE	48.31983089	-114.3903298	2985.03	30N	22W	34	CBAA		Shallow alluvial aquifer	111ALVM	Mid-term quarterly manual
196428	SPRING	ELLIOTT SPRING	48.11819936	-114.0988607	2939.81	27N	20W	11	ACDC		Surface water		1-year discharge and Water quality
196429	SPRING	JESSUP MILL POND * SPRING #14	48.198068	-114.103645	2942	28N	20W	11	DCCA		Surface water		One-time water quality
214543	Well	STATE OF MONTANA, DEPT. OF MILITARY AFFAIRS	48.25698262	-114.3257615	3025.73	29N	21W	19	CDBC	322	Deep confined aquifer	112ALVM	Short-term logger data
235164	Well	ECHO LAKE STATE OF MONTANA-FWP BOAT RAMP/PARK	48.13034084	-114.0384134	3026.62	27N	19W	5	DBB	83	Outwash aquifer	112OTSH	Short-term logger data

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236497	Well	NORTH SHORE SUBDIVISION * DEEP	48.09256109	-114.1859652	2898	27N	20W	19	AAC	760	Deep confined aquifer	112ALVM	Short-term manual plus logger
255198	SPRING	SIDERIUS TOM & TERRY	48.19001433	-114.2374779	2895.97	28N	21W	14	BDCD		Surface water		One-time water quality
256774	Well	WAYDE, FOSTER	48.09635384	-114.2150037	2911.89	27N	21W	13	CDDD	48	Shallow alluvial aquifer	111ALVM	Short-term logger data
256981	SPRING	JESSUP MILL POND * SPRING #9	48.200828	-114.099906	2975	28N	20W	11			Surface water		One-time water quality
256983	SPRING	JESSUP MILL POND SPRING #6	48.200261	-114.100866	2946	28N	20W	11			Surface water		One-time water quality
256986	POND	JESSUP MILL POND	48.19822865	-114.1154351	2939.61	28N	20W	11			Surface water		One-time water quality
257611	STREAM	USGS GAGING STATION FLATHEAD RIVER * #12369000	48.0925	-114.113889		27N	20W	23			Surface water		One-time water quality
257759	SPRING	JESSUP MILL POND SPRING #22	48.198717	-114.110806	2939	28N	20W	11	DCDA		Surface water		One-time water quality
258747	Well	CARLSON, MARK	48.34539318	-114.296305	3057.56	30N	21W	21	CADD	450	Deep confined aquifer	112ALVM	Short-term logger data
258945	Well	CARLSON GRAVEL PIT * CGPH	48.34623352	-114.2907998	3087.81	30N	21W	21	DBDA	117	Shallow alluvial aquifer	111ALVM	Very Short-term logger data
259405	LAKE	HELGELAND, LEE * LAKE-OF-THE-WOODS STAFF GAUGE	48.14359139	-114.0568066		28N	19W	31	DBDD		Surface water		Long-term stage
259406	Well	LEE HELGELAND PIEZOMETER-LAKE OF THE WOODS	48.14341708	-114.0567919	3009.3	28N	19W	31		13	Shallow alluvial aquifer	111ALVM	Short-term manual
260563	STREAM	FLATHEAD RIVER AT HOLT DEEP HOLE (OLD SOUTH BRIDGE)	48.08304	-114.11474		27N	20W	23			Surface water		One-time water quality
260564	STREAM	FLATHEAD RIVER DEEP HOLE AT HALF MOON SLOUGH (HMS)	48.16711	-114.21883		28N	21W	25			Surface water		One-time water quality
260888	Well	BIGFORK WATER & SEWER DISTRICT * BFF-2	48.10351479	-114.1821525	2907.01	27N	20W	18	ADD	672	Deep confined aquifer	112ALVM	Short-term manual plus logger
260889	Well	BIGFORK WATER & SEWER DISTRICT * BFF-3	48.10352334	-114.1820728	2907.7	27N	20W	18	ADD	365	Confining unit	112TILL	Short-term manual
260891	Well	BIGFORK WATER & SEWER DISTRICT * BFF-4	48.10353169	-114.1819999	2907.86	27N	20W	18	ADD	80	Shallow alluvial aquifer	111ALVM	Short-term manual plus logger

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260892	Well	BIGFORK WATER & SEWER DISTRICT * BFF-1	48.1035369	-114.1819344	2907.64	27N	20W	18	ADD	717	Deep confined aquifer	112ALVM	Short-term manual plus logger
262314	Well	DNRC-MBMG * SWAN_3	48.097157	-113.98066	3065.84	27N	19W	14	CCAD	518	Deep confined aquifer	112ALVM	Short-term logger data
262320	Well	DNRC-MBMG * SWAN_1	48.09688833	-113.9805775	3066	27N	19W	14	CCAD	505	Deep confined aquifer	112ALVM	Short-term manual
262321	Well	DNRC-MBMG * SWAN_2	48.09712691	-113.9806724	3065.28	27N	19W	14	CCAD	404	Deep confined aquifer	112ALVM	Short-term manual plus logger
262322	Well	DNRC-MBMG * SWAN_4	48.097107	-113.980602	3067.96	27N	19W	14	CCAD	60	Shallow alluvial aquifer	111ALVM	Short-term manual plus logger
262323	Well	SMITH, KEN * MBMG_KS_1_INTERMEDIATE	48.19653647	-114.2169773	2949.06	28N	21W	13	BABB	217	Deep confined aquifer	112ALVM	Short-term manual
262324	Well	SMITH, KEN * MBMG_KS_2 SHALLOW MONITORING	48.1965531	-114.2169156	2948.84	28N	21W	13	BABB	66	Shallow alluvial aquifer	111ALVM	Short-term manual
262325	Well	SMITH, KEN * MBMG_KS_3 DEEP MONITORING WELL	48.19659141	-114.217362	2950.54	28N	21W	13	BABB	480	Deep confined aquifer	112ALVM	Short-term manual
262326	STREAM	CRESTON FISH HATCHERY * MILL CREEK STAFF GAUGE	48.1976	-114.11791		28N	20W	10	DDD		Surface water		3-years stage
262421	Well	NORTH SHORE SUBDIVISION * SHALLOW B-8	48.09150156	-114.1766536	2895.65	27N	20W	20	BCAA	30.7	Shallow alluvial aquifer	111ALVM	Short-term manual
702934	Well	EVANS TOM AND JULIE	48.25367	-114.12665	2995	29N	20W	26	BBAD	422	Deep confined aquifer	112ALVM	Long-term quarterly