

Appendix 15-F. Impact of dam construction and operation on Boggomoss springs

Spring ID	Complex name	Data source	FSL inundation extent	Modelled groundwater drawdown (m)	Modelled increase in Hutton Sandstone potentiometric surface - FSL (m)	Modelled increase in Precipice Sandstone potentiometric surface - FSL (m)	Modelled increase in water table elevation - FSL (m)	Modelled increase in Hutton Sandstone potentiometric surface - MSL (m)	Modelled increase in Precipice Sandstone potentiometric surface - MSL (m)	Modelled increase in water table elevation - MSL (m)
1	DawsonRiver6		Outside	NULL	NULL	1.055	1.342	NULL	-0.708	-0.403
2	Boggomoss		Inside	NULL	NULL	8.555	10.000	NULL	6.754	8.200
3	Boggomoss		Inside	NULL	NULL	10.165	6.821	NULL	8.053	5.021
4	DawsonRiver6		Inside	NULL	NULL	3.619	4.000	NULL	1.824	2.200
5	DawsonRiver6		Outside	NULL	NULL	3.774	3.623	NULL	2.025	1.823
6	DawsonRiver6		Outside	NULL	NULL	1.390	1.310	NULL	0.545	0.526
7	Boggomoss		Outside	NULL	NULL	2.863	0.421	NULL	1.448	0.081
8	Boggomoss		Outside	NULL	NULL	1.508	1.342	NULL	1.330	1.332
9	Boggomoss		Outside	NULL	NULL	1.845	1.847	NULL	1.468	1.460
10	Boggomoss		Outside	NULL	NULL	1.711	1.743	NULL	1.319	1.335
11	Boggomoss		Inside	NULL	NULL	18.894	11.000	NULL	15.242	9.200
12	Boggomoss		Inside	NULL	NULL	17.167	10.000	NULL	11.606	8.200
13	Boggomoss		Inside	NULL	NULL	17.167	10.000	NULL	11.606	8.200
14	Boggomoss		Inside	NULL	NULL	15.955	12.000	NULL	11.938	10.200
15	Boggomoss		Outside	NULL	NULL	8.138	0.236	NULL	5.333	-1.150
16	DawsonRiver3		Outside	NULL	NULL	1.037	1.039	NULL	1.000	1.002
17	DawsonRiver3		Outside	NULL	NULL	1.778	1.781	NULL	1.664	1.667
18	DawsonRiver3		Outside	NULL	NULL	1.227	1.229	NULL	1.108	1.110
19	DawsonRiver3		Outside	NULL	NULL	0.000	0.000	NULL	0.000	0.000
20	DawsonRiver3		Outside	NULL	NULL	2.289	2.295	NULL	2.124	2.130
21	DawsonRiver3		Outside	NULL	NULL	0.000	0.000	NULL	0.000	0.000
22	DawsonRiver6	Springs of Queensland - Distribution and Assessment (Version 5.0)	Outside	NULL	NULL	2.500	0.528	NULL	1.038	1.066
23	DawsonRiver6		Outside	NULL	NULL	0.850	1.114	NULL	-1.178	-0.865
24	DawsonRiver6		Outside	NULL	NULL	-0.374	-2.000	NULL	-2.494	-3.800
25	DawsonRiver6		Inside	NULL	NULL	-1.434	-3.543	NULL	-3.574	-5.343
26	DawsonRiver7		Outside	NULL	NULL	1.633	0.487	NULL	0.849	0.487
27	DawsonRiver6		Outside	NULL	NULL	1.501	1.518	NULL	-0.011	0.003
28	DawsonRiver7		Outside	NULL	NULL	1.633	0.487	NULL	0.849	0.487
29	Boggomoss		Inside	NULL	NULL	5.826	6.000	NULL	4.065	4.200
30	DawsonRiver6		Inside	NULL	NULL	0.834	-2.000	NULL	0.009	-3.800
31	DawsonRiver6		Inside	NULL	NULL	1.008	0.000	NULL	0.339	-1.800
32	DawsonRiver6		Inside	NULL	NULL	0.576	-0.028	NULL	-0.942	-1.828
33	Boggomoss		Inside	NULL	NULL	11.132	11.076	NULL	9.326	9.276
34	DawsonRiver3		Outside	0.023	NULL	0.280	0.279	NULL	0.236	0.235
35	DawsonRiver3		Outside	0.074	NULL	0.904	0.904	NULL	0.781	0.781
36	DawsonRiver3		Outside	0.000	NULL	0.000	0.000	NULL	0.000	0.000
37	Boggomoss		Inside	NULL	NULL	27.084	14.278	NULL	24.100	12.478
38	DawsonRiver8		Outside	NULL	NULL	1.162	0.000	NULL	0.239	0.000
39	DawsonRiver4		Outside	NULL	NULL	7.733	7.560	NULL	7.058	6.939
40	DawsonRiver4		Outside	NULL	NULL	6.290	2.744	NULL	5.794	2.744
41	DawsonRiver4		Outside	NULL	NULL	6.263	4.131	NULL	5.715	4.131
42	DawsonRiver2		Inside	NULL	NULL	11.620	0.000	NULL	9.793	-1.800
43	DawsonRiver6		Inside	NULL	NULL	26.447	10.000	NULL	23.037	8.200
44	Boggomoss		Inside	NULL	NULL	26.654	14.183	NULL	23.305	12.383
45	DawsonRiver4		Outside	0.577	NULL	7.646	7.701	NULL	7.048	7.093

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46	DawsonRiver4		Outside	0.729	NULL	8.415	4.720	NULL	7.762	4.720
47	DawsonRiver4		Outside	0.866	NULL	10.248	9.462	NULL	9.396	8.729
48	DawsonRiver4		Outside	0.663	NULL	9.787	8.287	NULL	8.984	8.287
49	DawsonRiver4		Outside	0.799	NULL	9.173	4.493	NULL	8.439	4.493
50	DawsonRiver4		Outside	1.598	NULL	7.759	7.805	NULL	7.127	7.158
51	DawsonRiver4		Outside	1.146	NULL	6.134	6.131	NULL	5.622	5.619
52	DawsonRiver4		Outside	NULL	NULL	9.076	9.168	NULL	8.241	8.360
53	Boggomoss		Inside	NULL	NULL	7.737	10.000	NULL	5.948	8.200
54	Boggomoss		Inside	NULL	NULL	22.102	13.000	NULL	17.838	11.200
55	Boggomoss		Outside	NULL	NULL	0.400	0.000	NULL	0.318	0.000
56	Boggomoss		Outside	NULL	NULL	1.099	1.142	NULL	0.494	0.512
57	Boggomoss		Outside	NULL	NULL	2.679	0.515	NULL	1.677	0.347
58	Boggomoss		Outside	NULL	NULL	1.455	1.582	NULL	0.888	0.968
59	DawsonRiver6		Inside	NULL	NULL	0.564	0.298	NULL	-1.071	-1.502
60	DawsonRiver6		Outside	NULL	NULL	0.520	0.000	NULL	-0.084	0.000
61	Boggomoss		Inside	NULL	NULL	8.537	8.502	NULL	6.728	6.702
62	Boggomoss		Outside	NULL	NULL	1.608	1.724	NULL	0.242	0.251
63	Boggomoss		Inside	NULL	NULL	20.902	13.000	NULL	16.735	11.200
64	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
65	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
66	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
67	DawsonRiver4		Outside	NULL	NULL	7.405	7.239	NULL	6.788	6.679
68	Boggomoss		Outside	NULL	NULL	2.404	-1.432	NULL	0.775	0.258
69	DawsonRiver3		Outside	0.273	NULL	2.654	2.656	NULL	2.387	2.388
319	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
320	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
321	CockatooCrk		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
538	Newton		Outside	NULL	NULL	NULL	NULL	NULL	NULL	NULL
B1	New		Inside	NULL	NULL	12.222	9.442	NULL	10.215	7.642
B10	Possible Fensham #51		Outside	0.079	NULL	1.296	1.297	NULL	1.168	1.170
B11	New		Outside	0.010	NULL	0.149	0.151	NULL	0.128	0.129
B12	Possible Fensham #34		Outside	0.005	NULL	0.096	0.098	NULL	0.084	0.085
B13	Possible Fensham #34		Outside	0.004	NULL	0.085	0.087	NULL	0.074	0.076
B14	Possible Fensham #36		Outside	0.038	NULL	0.683	0.685	NULL	0.602	0.603
B15	Possible Fensham #36		Outside	NULL	NULL	0.544	0.546	NULL	0.479	0.481
B16	Possible Fensham #69		Outside	0.037	NULL	0.443	0.444	NULL	0.394	0.395
B17	Possible Fensham #69	Chenoweth (2008)	Outside	0.036	NULL	0.072	0.073	NULL	0.064	0.065
B2	New		Inside	NULL	NULL	9.286	9.841	NULL	7.485	8.041
B3	New		Inside	NULL	NULL	8.074	9.940	NULL	6.281	8.140
B4	New		Inside	NULL	NULL	8.757	8.720	NULL	6.952	6.920
B5	New		Inside	NULL	NULL	15.200	8.754	NULL	12.562	6.954
B6	New		Inside	NULL	NULL	12.295	8.394	NULL	10.457	6.594
B7	New		Outside	1.013	NULL	6.520	6.523	NULL	5.986	5.988
B8	New		Outside	1.904	NULL	4.529	4.539	NULL	4.116	4.126
B9	New		Outside	0.272	NULL	1.720	1.721	NULL	1.558	1.559