

Groundwater-Level Response to Virginia Earthquake, August 23, 2011: Selected USGS Virginia Monitoring Wells

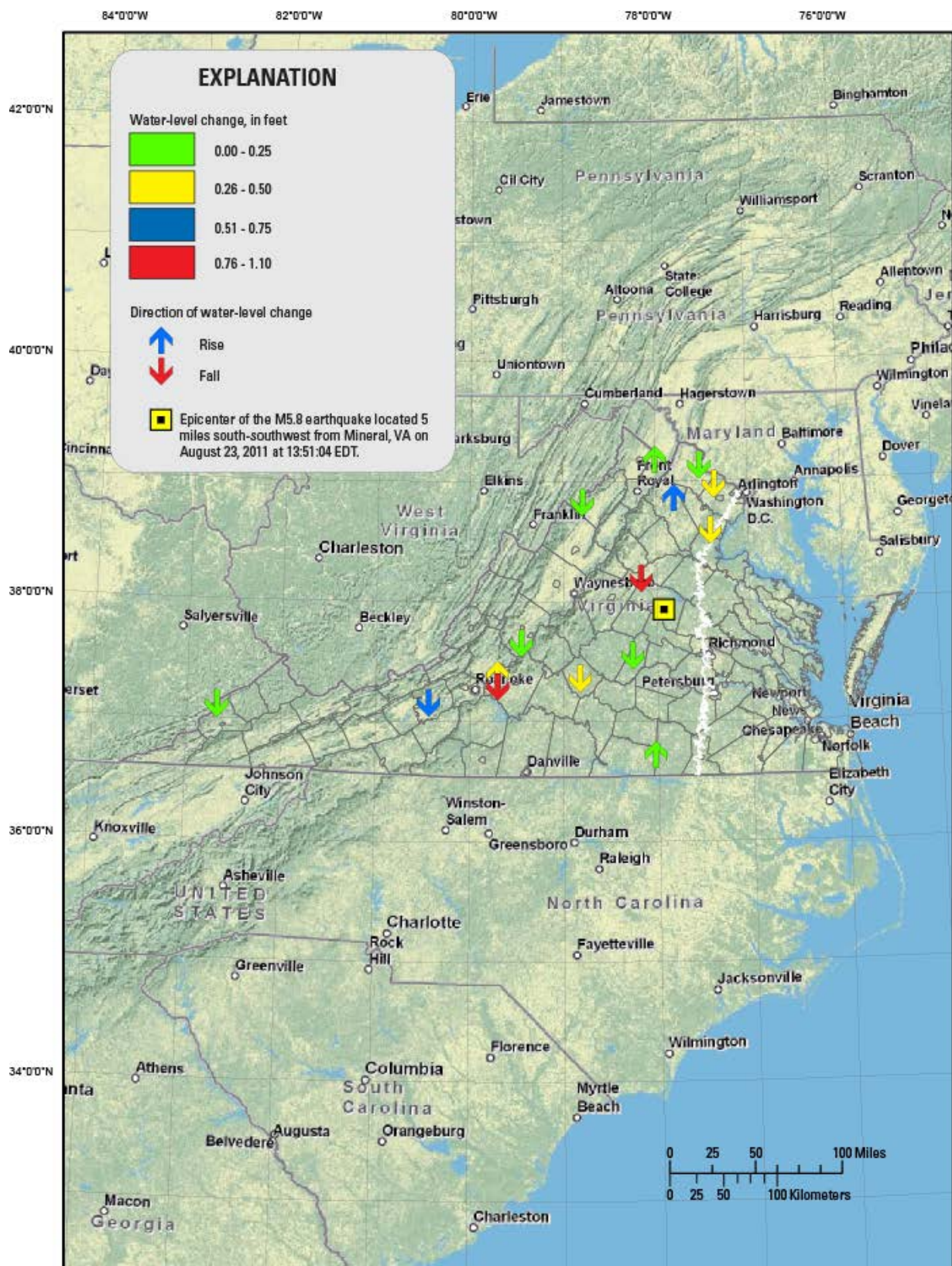
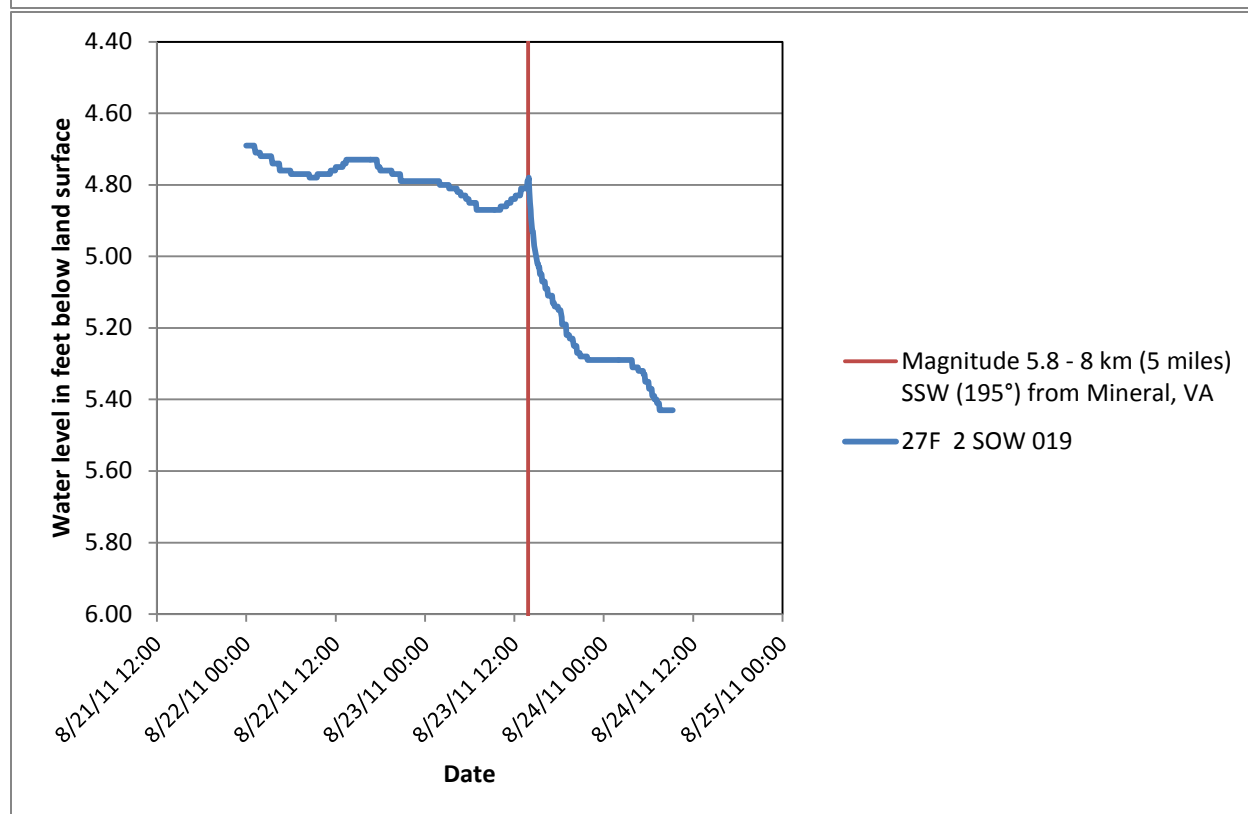
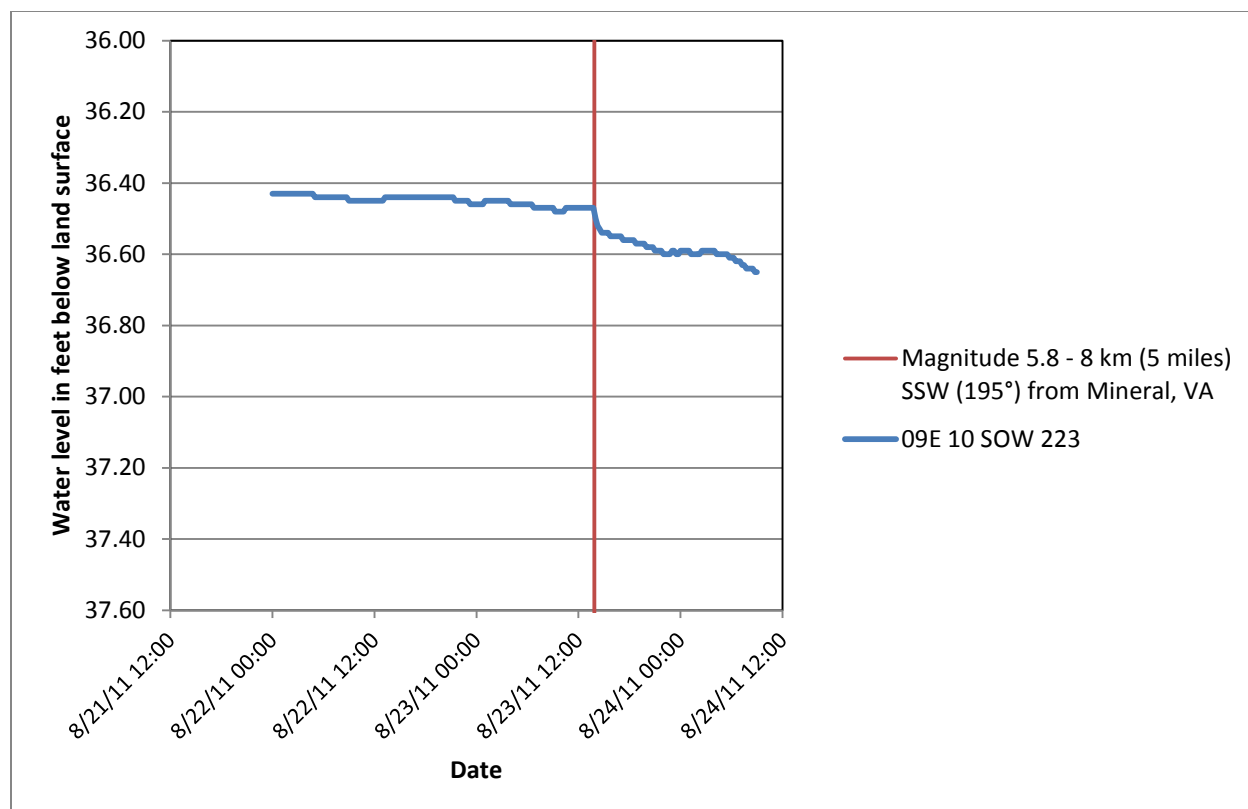
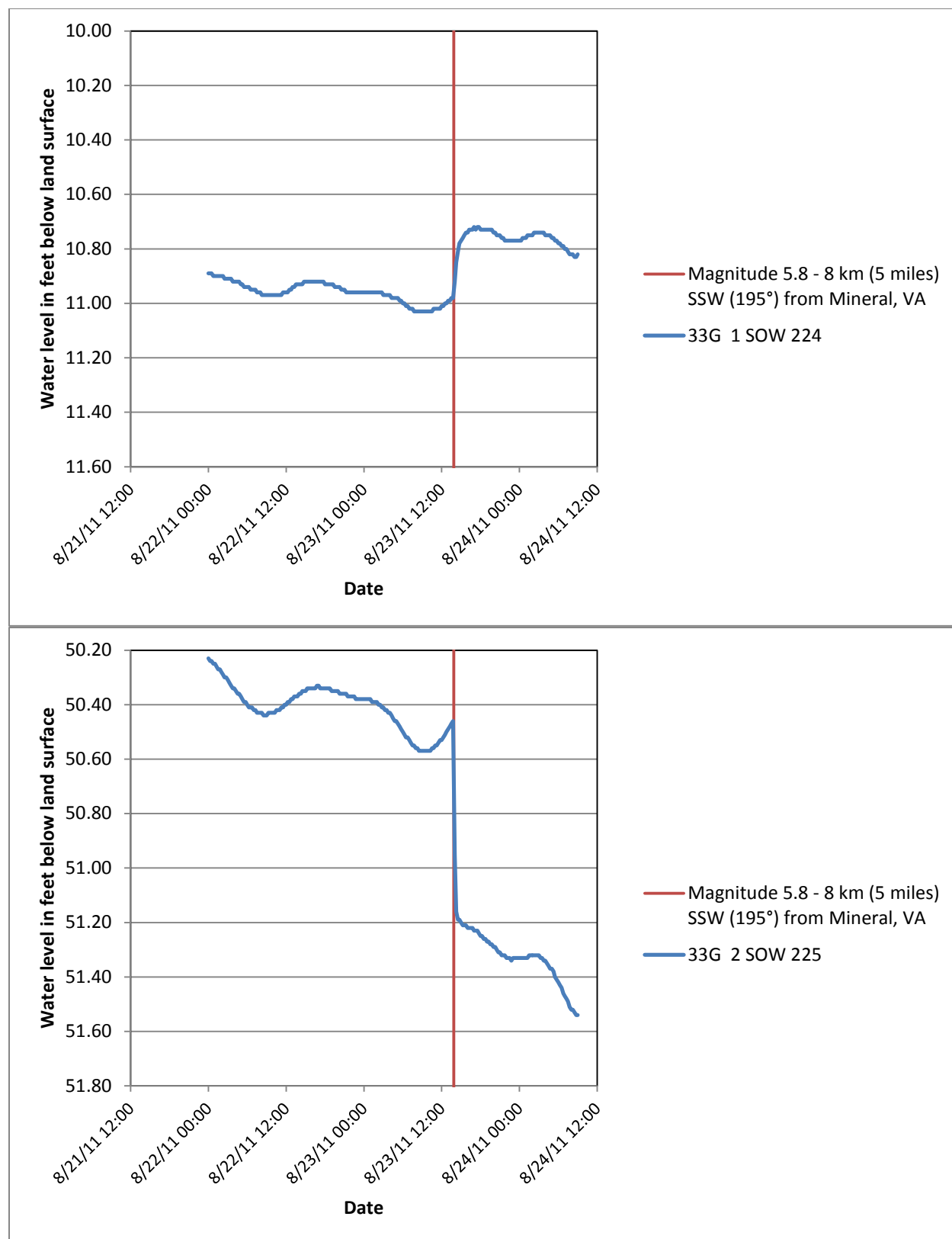


Figure 1. Location of wells affected by the M5.8 earthquake located 5 miles south-southwest from Mineral, VA on August 23, 2011 at 13:51:04 EDT.

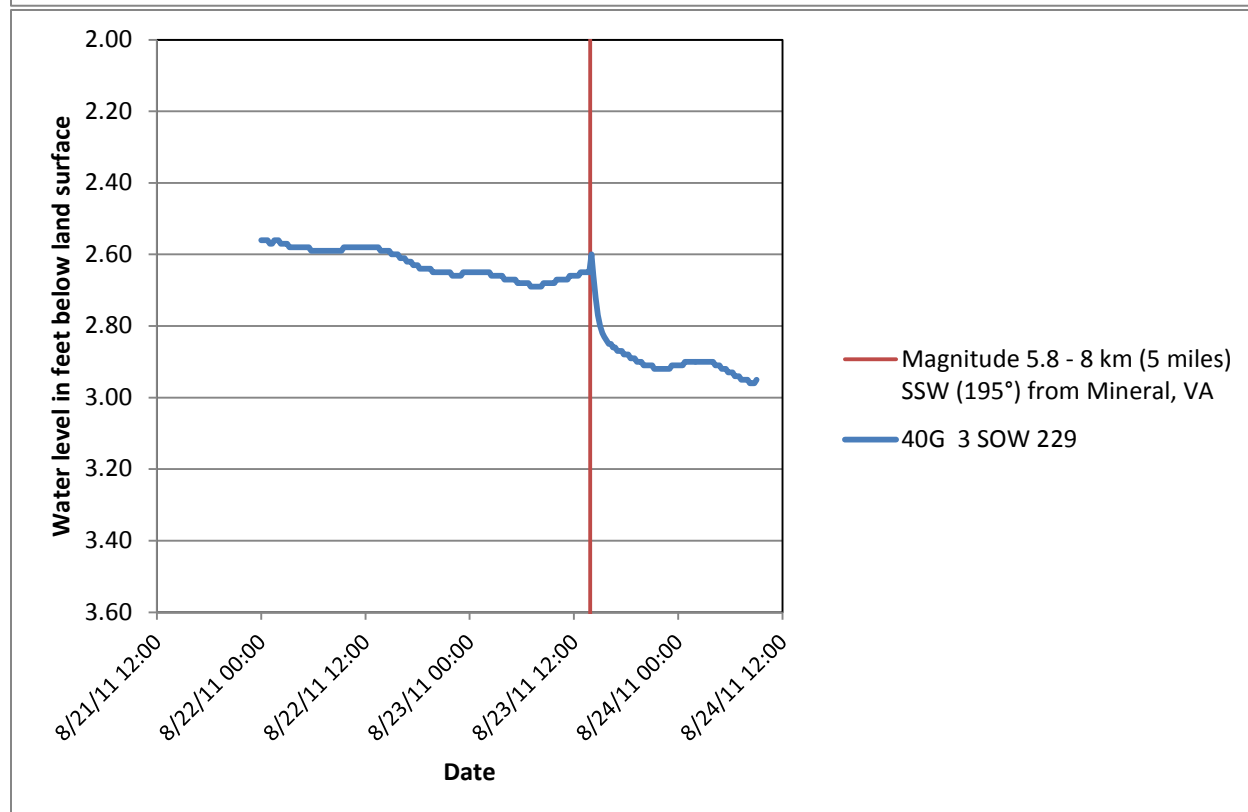
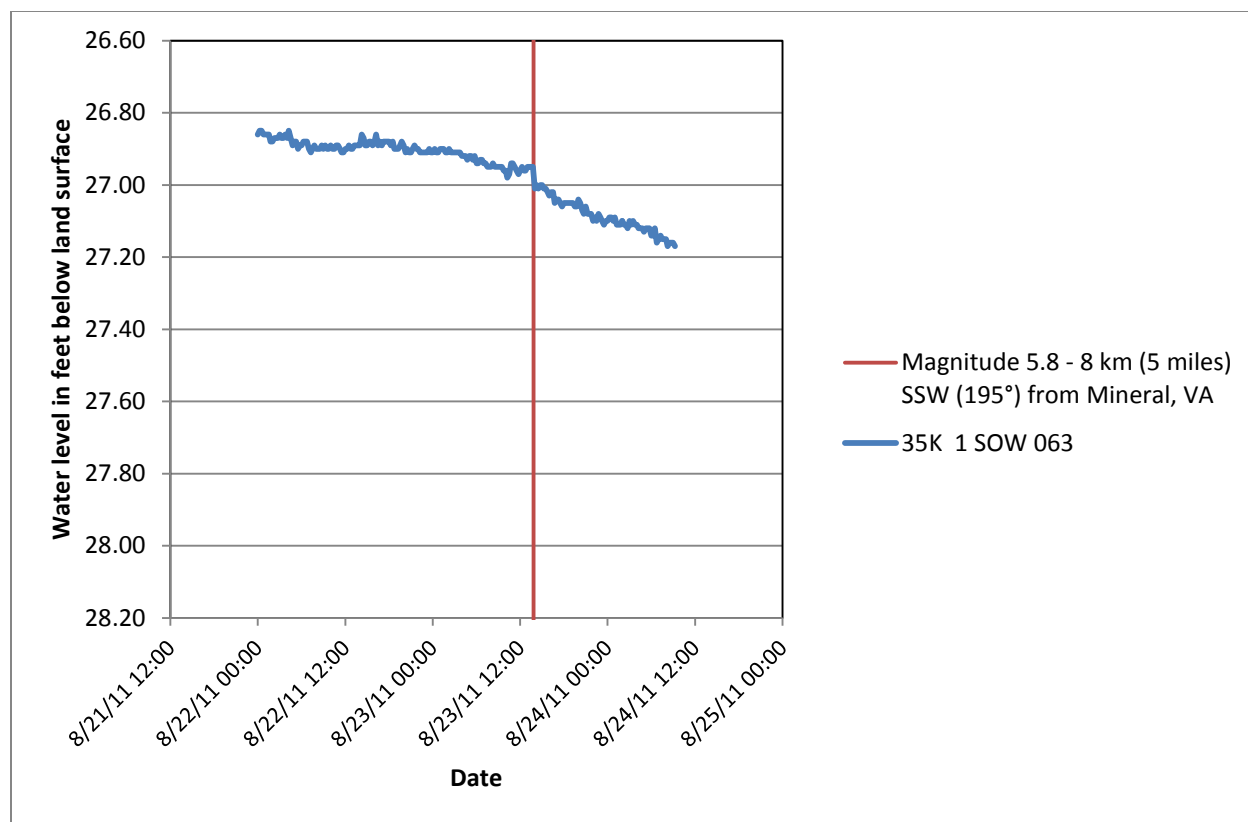
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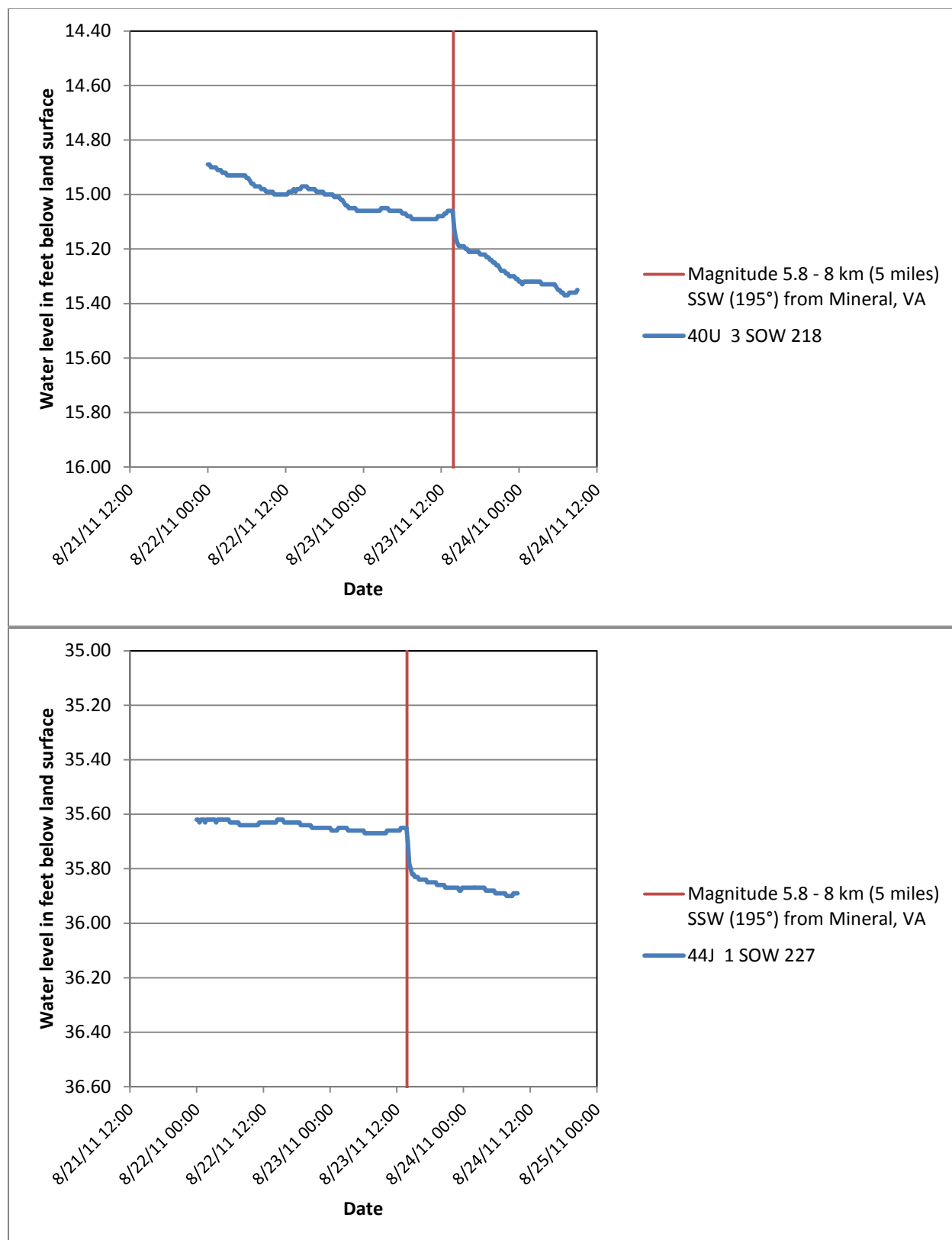
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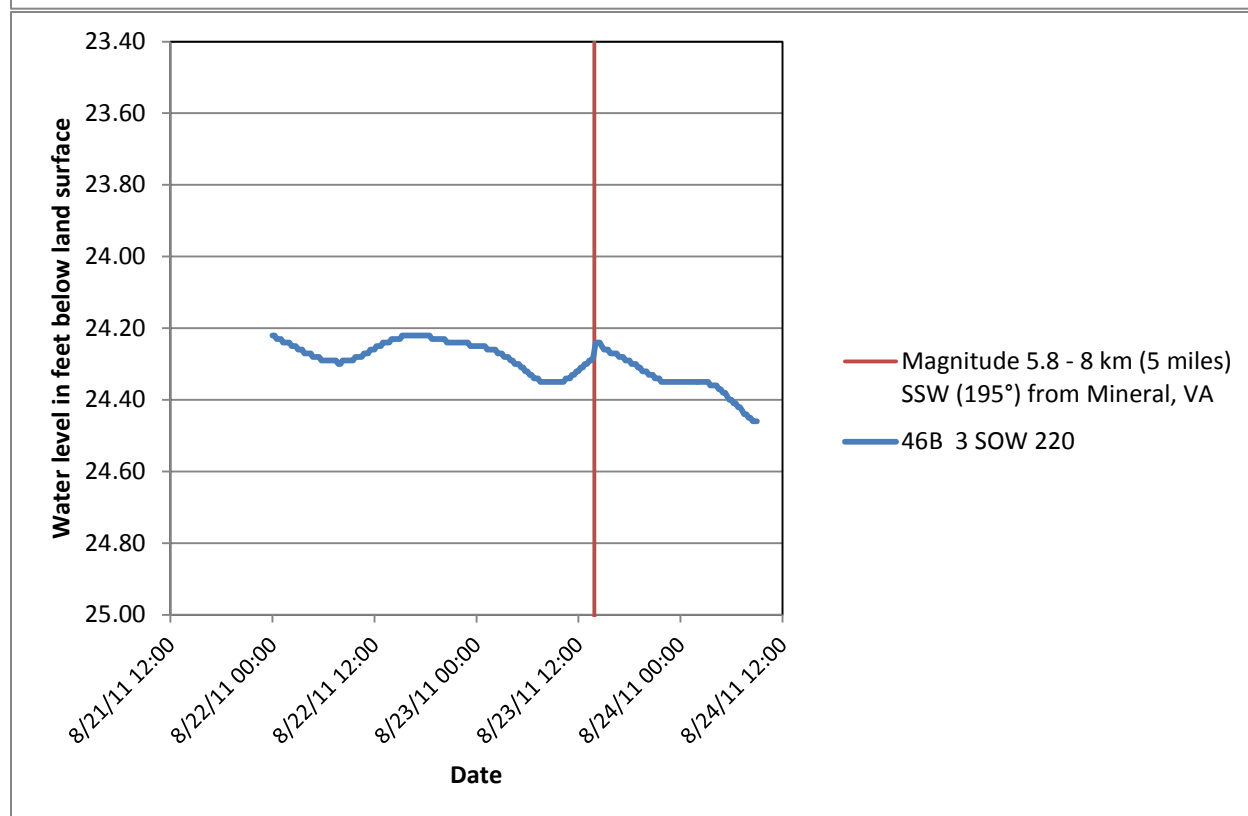
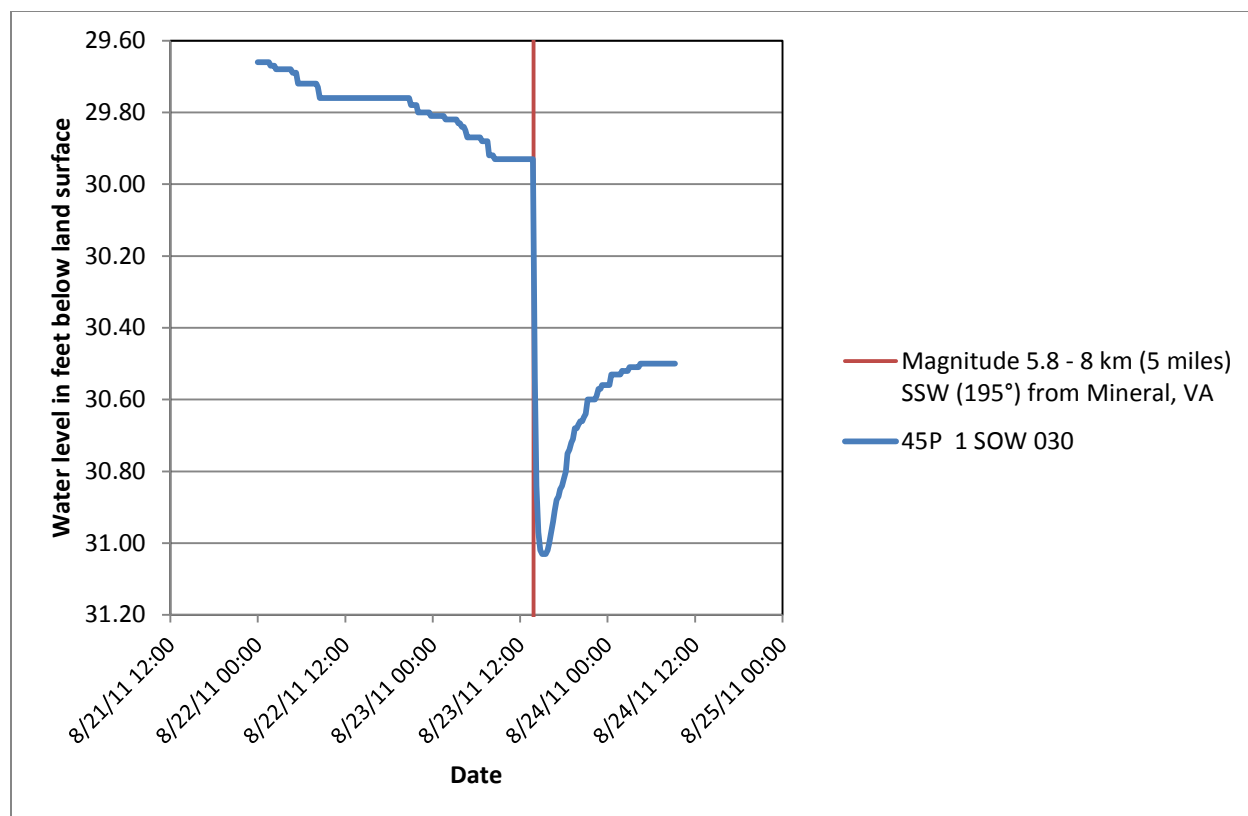
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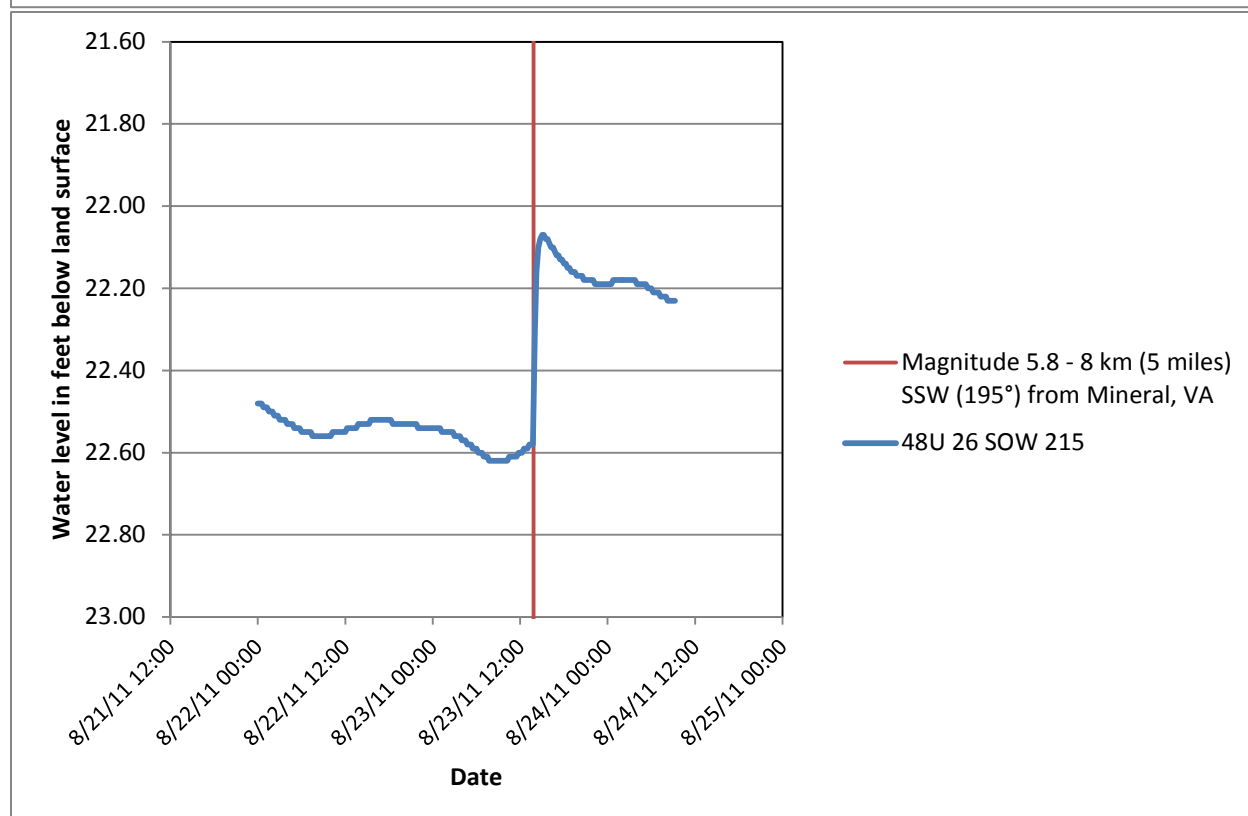
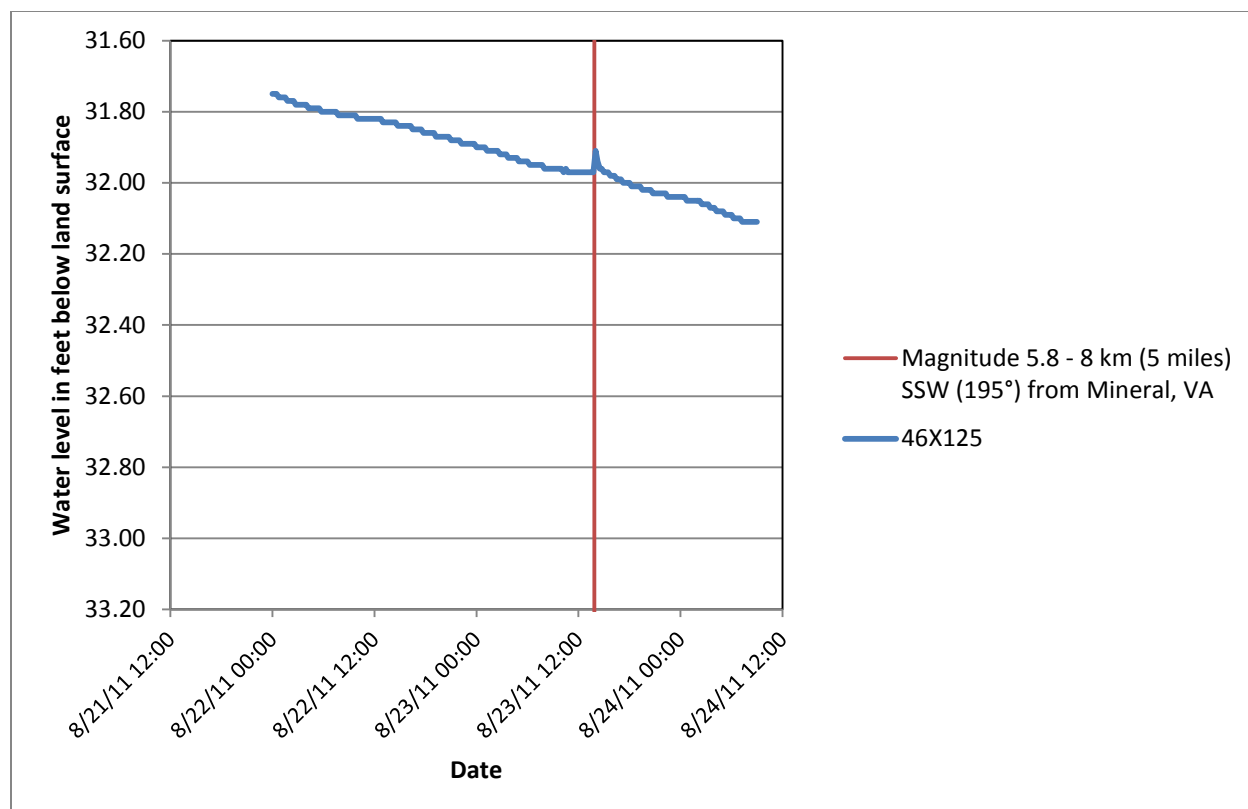
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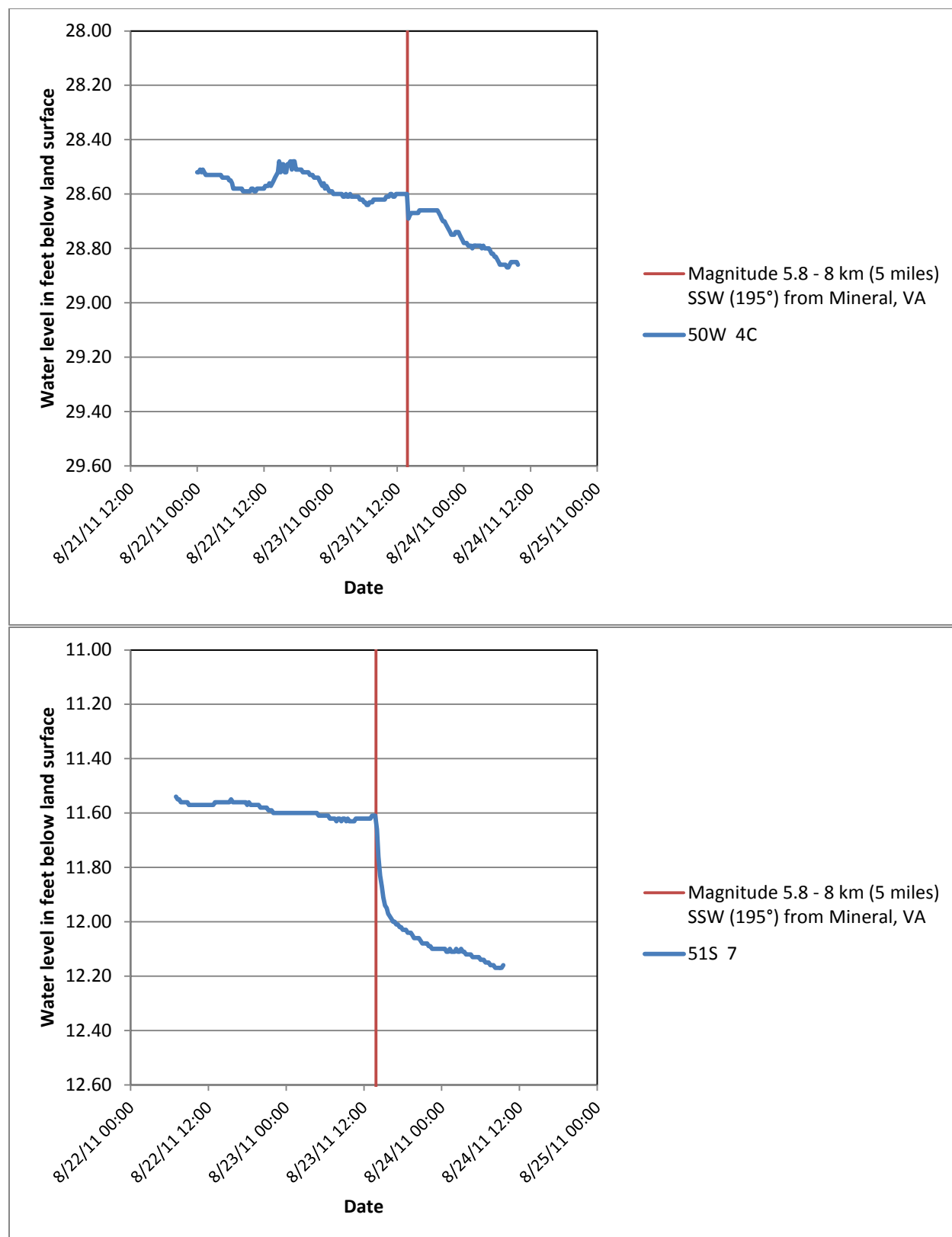
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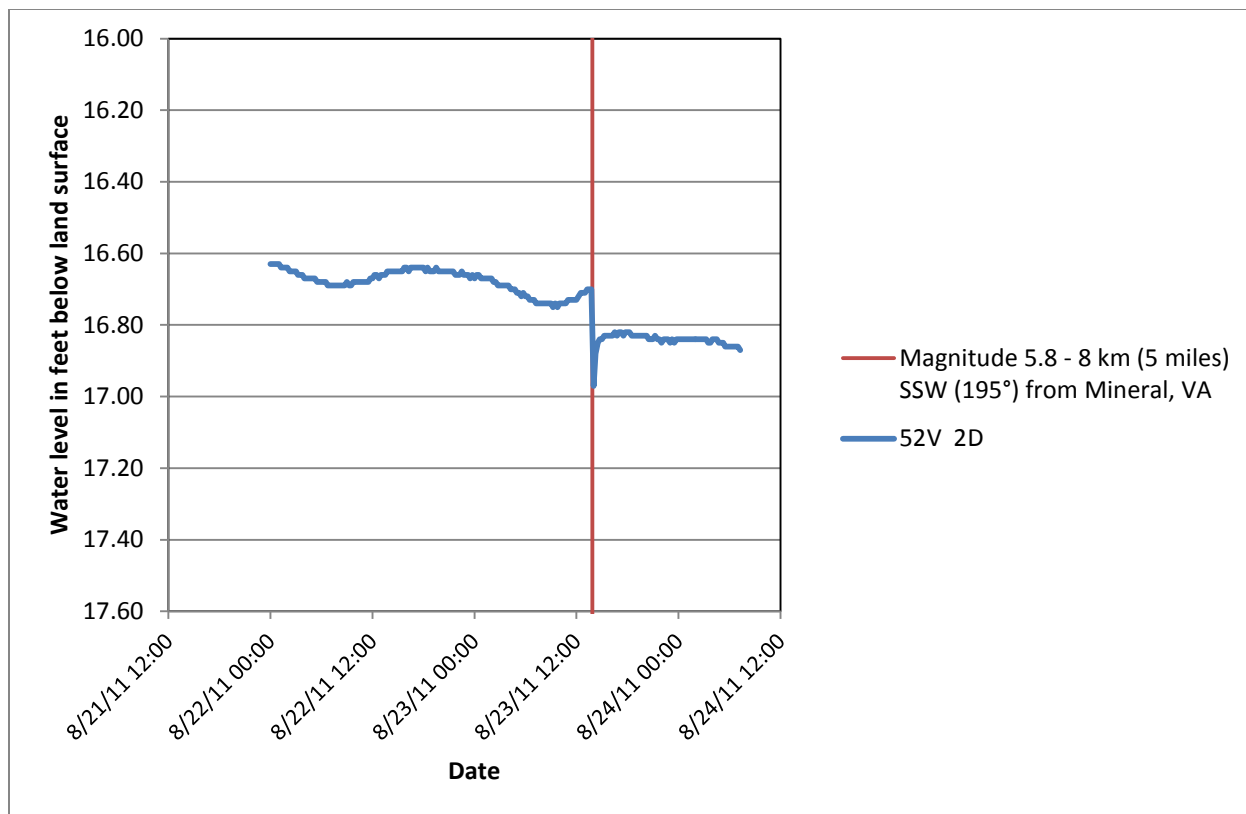
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Table 1. Hydrologic response in Virginia to the M5.8 earthquake located 5 miles south-southwest from Mineral, VA on August 23, 2011 at 13:51:04 EDT.

siteid	locno	lat83	lon83	Alt (feet above NGVD29)	Time pre	tzone	swl- pre	Time swl-eq	tzone2	swl- eq	shift-eq	Time swl-post	tzone3	swl- post	shift- post
370604082403901	09E 10 SOW 223	37.101	-82.677	1665	8/23/2011 13:45	EDT	36.47	8/23/2011 15:45	EDT	36.55	0.08	8/23/2011 15:45	EDT	36.55	0.08
370812080261901	27F 2 SOW 019	37.137	-80.438	1980	8/23/2011 13:55	EDT	4.78	8/23/2011 21:50	EDT	5.29	0.51	8/23/2011 21:50	EDT	5.29	0.51
372224079423601	33G 1 SOW 224	37.373	-79.710	930	8/23/2011 13:45	EDT	10.98	8/23/2011 17:30	EDT	10.72	-0.26	8/23/2011 17:00	EDT	10.72	-0.26
372150079422301	33G 2 SOW 225	37.364	-79.706	1070	8/23/2011 13:45	EDT	50.46	8/23/2011 22:45	EDT	51.34	0.88	8/23/2011 22:45	EDT	51.34	0.88
373758079271601	35K 1 SOW 063	37.633	-79.454	745	8/23/2011 13:45	EDT	26.95	8/23/2011 15:15	EDT	27.01	0.06	8/23/2011 15:15	EDT	27.01	0.06
372053078493801	40G 3 SOW 229	37.348	-78.827	775	8/23/2011 13:45	EDT	2.65	8/23/2011 21:15	EDT	2.92	0.27	8/23/2011 21:15	EDT	2.92	0.27
384821078472301	40U 3 SOW 218	38.806	-78.790	1336.85	8/23/2011 13:45	EDT	15.06	8/23/2011 15:45	EDT	15.20	0.14	8/23/2011 15:45	EDT	15.20	0.14
373146078161201	44J 1 SOW 227	37.529	-78.270	320	8/23/2011 13:45	EDT	35.65	8/23/2011 23:15	EDT	35.88	0.23	8/23/2011 23:15	EDT	35.88	0.23
381002078094201	45P 1 SOW 030	38.167	-78.161	480	8/23/2011 13:45	EDT	29.93	8/23/2011 15:30	EDT	31.03	1.10	8/24/2011 4:30	EDT	30.50	0.57
364218078015701	46B 3 SOW 220	36.705	-78.032	382.37	8/23/2011 13:45	EDT	24.28	8/23/2011 14:30	EDT	24.24	-0.04	8/23/2011 14:45	EDT	24.25	-0.03
390948078001601	46X125	39.163	-78.004	648.03	8/23/2011 13:45	EDT	31.97	8/23/2011 14:00	EDT	31.91	-0.06	8/23/2011 14:15	EDT	31.94	-0.03
384957077481701	48U 26 SOW 215	38.833	-77.805	574	8/23/2011 13:45	EDT	22.58	8/23/2011 15:15	EDT	22.07	-0.51	8/23/2011 14:45	EDT	22.08	-0.50
390623077314201	50W 4C	39.106	-77.528	400	8/23/2011 13:45	EDT	28.60	8/23/2011 14:00	EDT	28.69	0.09	8/23/2011 15:00	EDT	28.67	0.07
383423077245901	51S 7	38.573	-77.416	295	8/23/2011 13:45	EDT	11.61	8/24/2011 0:45	EDT	12.11	0.50	8/23/2011 22:15	EDT	12.09	0.48
385638077220101	52V 2D	38.950	-77.367	395	8/23/2011 13:45	EDT	16.70	8/23/2011 14:00	EDT	16.97	0.27	8/23/2011 15:45	EDT	16.83	0.13