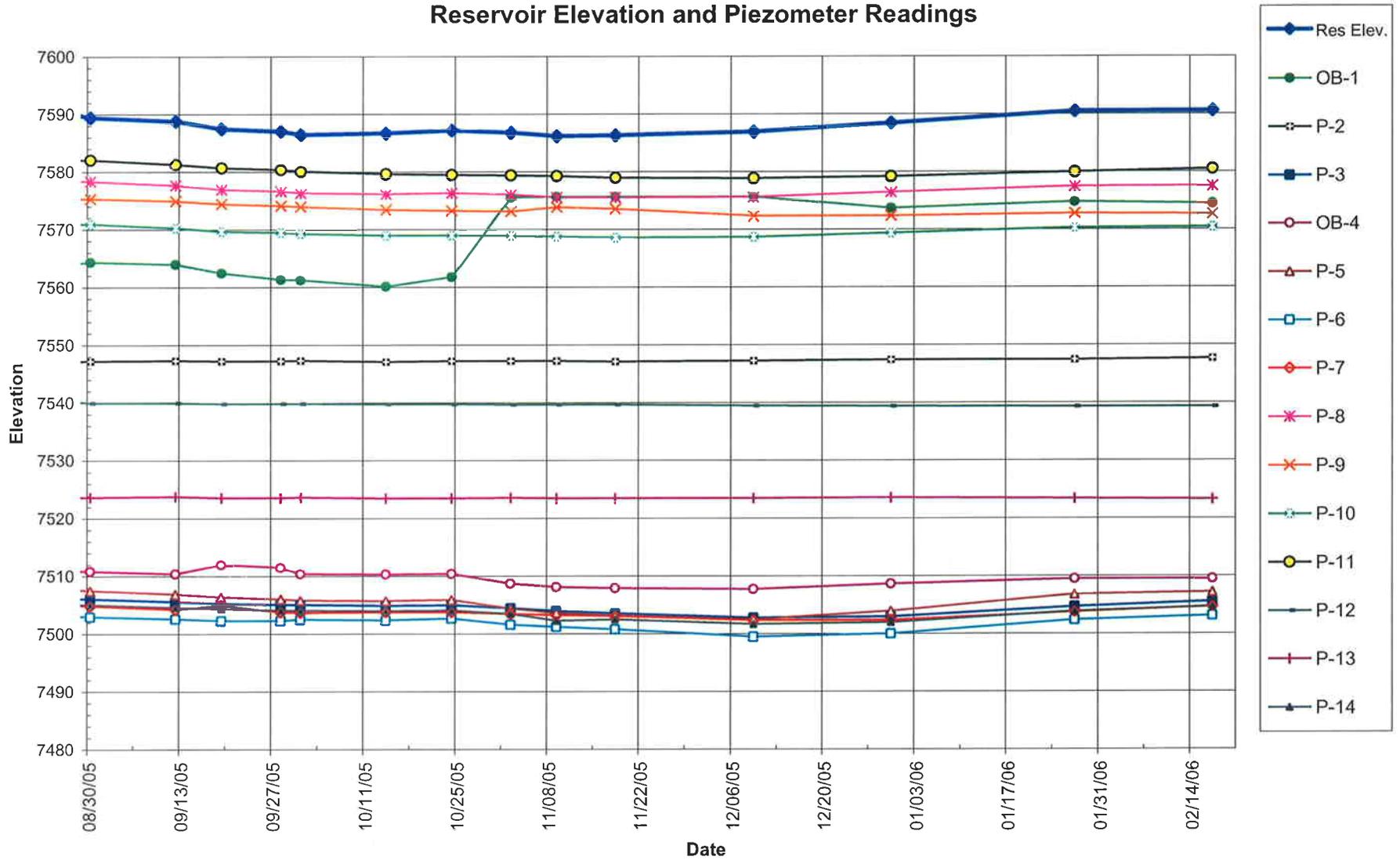


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Date: 2/22/2006 11:12:50 AM
Subject: Grassy Trail Dam - Monitoring thru Feb 17 2006

On February 17, piezometer and observation well water levels were recorded and data were obtained from the seismic instruments. The records are shown on the attached pdf files.

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Grassy Trail Dam Reservoir Elevation and Piezometer Readings



**RB&G
ENGINEERING
INC.**
Provo, Utah

Figure Reservoir Elevation and Piezometer Readings
August 30, 2004 to February 17, 2006

Grassy Trail Dam and Reservoir

Between January 31, 2006 and February 17, 2006 twenty-seven events were recorded on the Hillside accelerometer. Due to an error on the hillside unit clock the hillside readings are one hour ahead of the Dam unit. The highest PGA recorded was on the hillside unit was 0.0315g on Feb 14, 23:32, but due to the 1 hour error on the clock it is shown as Feb 15.

Twenty-four events were recorded on the dam with the highest PGA of 0.0182g on Feb 14, 23:32.

Three earthquakes were recorded near the site by the UUSS. Two of these events were recorded on both the Hillside and Dam units on Feb 6 with magnitudes of 1.7 and 1.5. A magnitude 1.6 event on Feb 12 was not recorded on either the Dam or Hillside units.

Grassy Trail Dam, Carbon County, Utah
 2006 Hillside unit #9690 Dam #9689

Printed: February 22, 2006 (V 4.37 - 4.37) Event Report: Event List - c:\blast\event

Type	Serial No.	Date/Time	Tran Peak (mm/s)	Vert Peak (mm/s)	Long Peak (mm/s)	PVS1 (mm/s)	Trigger	Tran Accel (g)	Vert Accel (g)	Long Accel (g)	Description	Post Event Note first line
LOG	BE9690	Jan 31 /06 11:34:02	***	***	***	***	***	***	***	***	Start Monitoring	Start Monitoring
LOG	BE9689	Jan 31 /06 13:32:48	***	***	***	***	***	***	***	***	Start Monitoring	Start Monitoring
W	BE9690	Feb 1 /06 17:23:21	0.571	0.317	0.651	0.847	Long	0.00663	0.00663	0.00829	Instanatel Inc.	
W	BE9689	Feb 1 /06 18:04:17	0.810	0.476	0.587	0.986	Tran	0.00994	0.00994	0.0166		
W	BE9690	Feb 1 /06 19:04:09	0.381	1.00	0.333	1.01	Vert	0.00663	0.0166	0.00663	Instanatel Inc.	
W	BE9690	Feb 2 /06 19:31:42	0.317	0.333	0.746	0.769	Long	0.00663	0.00663	0.00829	Instanatel Inc.	
W	BE9689	Feb 2 /06 19:47:44	0.968	0.460	0.635	1.09	Long	0.00994	0.00829	0.0116		
W	BE9690	Feb 2 /06 20:47:37	0.317	0.905	0.286	0.909	Vert	0.00663	0.0116	0.00663	Instanatel Inc.	
W	BE9689	Feb 3 /06 03:14:03	0.651	0.381	0.619	0.822	Long	0.00663	0.00663	0.0133		
W	BE9690	Feb 3 /06 04:13:55	0.270	0.841	0.317	0.857	Vert	0.00663	0.0149	0.00663	Instanatel Inc.	
W	BE9689	Feb 4 /06 00:49:59	0.698	0.429	0.651	0.902	Long	0.00829	0.00829	0.00663		
W	BE9690	Feb 4 /06 01:49:51	0.238	1.05	0.286	1.06	Vert	0.00663	0.0149	0.00994	Instanatel Inc.	
W	BE9689	Feb 4 /06 22:56:16	0.889	0.857	1.03	1.27	Vert	0.0116	0.00829	0.0133		
W	BE9690	Feb 4 /06 23:56:09	1.32	0.794	1.64	1.74	Vert	0.0116	0.0116	0.0149	Instanatel Inc.	
W	BE9689	Feb 6 /06 11:39:55	1.30	1.02	1.30	1.75	Vert	0.00994	0.00994	0.0149		Earthquake Mag 1.7
W	BE9690	Feb 6 /06 12:39:47	1.67	0.746	1.54	2.03	Vert	0.0149	0.00829	0.0166	Instanatel Inc.	Earthquake Mag 1.7
W	BE9689	Feb 6 /06 19:38:44	0.730	0.587	0.603	0.944	Tran	0.00829	0.00663	0.0133		Earthquake Mag 1.5
W	BE9690	Feb 6 /06 20:38:36	0.825	0.413	0.762	1.00	Tran	0.00994	0.00663	0.00829	Instanatel Inc.	Earthquake Mag 1.5
W	BE9689	Feb 6 /06 20:56:14	0.635	0.444	0.333	0.704	Tran	0.00829	0.00663	0.0133		
W	BE9689	Feb 6 /06 21:44:26	1.03	0.778	1.22	1.58	Vert	0.00994	0.00994	0.0199		
W	BE9690	Feb 6 /06 21:56:06	0.651	0.333	0.556	0.859	Tran	0.00829	0.00663	0.00663	Instanatel Inc.	
W	BE9690	Feb 6 /06 22:44:18	1.29	1.06	0.889	1.36	Vert	0.0182	0.0133	0.0133	Instanatel Inc.	
W	BE9689	Feb 7 /06 05:17:39	0.730	0.444	0.651	0.839	Long	0.00829	0.00663	0.0116		
W	BE9690	Feb 7 /06 06:17:31	0.238	0.984	0.270	0.986	Vert	0.00497	0.0149	0.00663	Instanatel Inc.	
W	BE9690	Feb 7 /06 09:49:06	0.381	0.270	0.603	0.704	Long	0.00829	0.00829	0.00663	Instanatel Inc.	
LOG	BE9689	Feb 8 /06 09:22:30	***	***	***	***	***	***	***	***	Keyboard Stop No events recorded. (Keyboard Exit)	
LOG	BE9689	Feb 8 /06 09:22:56	***	***	***	***	***	***	***	***	Start Monitoring	Start Monitoring
W	BE9689	Feb 8 /06 13:26:01	0.603	0.397	0.270	0.639	Tran	0.00829	0.00663	0.0116		
W	BE9689	Feb 9 /06 19:42:19	0.778	0.413	0.508	0.888	Tran	0.00994	0.00663	0.0166		
W	BE9690	Feb 9 /06 20:42:10	1.59	0.778	0.698	1.62	Vert	0.0182	0.0133	0.00829	Instanatel Inc.	
W	BE9689	Feb 12 /06 12:09:00	0.841	0.429	0.714	1.02	Long	0.00829	0.00663	0.00994		
W	BE9690	Feb 12 /06 13:08:52	0.302	0.937	0.317	0.946	Vert	0.00663	0.0149	0.00829	Instanatel Inc.	
W	BE9689	Feb 12 /06 15:08:00	0.714	0.349	0.698	0.902	Long	0.00829	0.00663	0.00829		
W	BE9690	Feb 12 /06 16:07:52	0.270	1.00	0.365	1.03	Vert	0.00663	0.0182	0.00829	Instanatel Inc.	
W	BE9689	Feb 13 /06 13:34:52	1.14	0.794	0.587	1.21	Vert	0.00994	0.00829	0.00994		
W	BE9690	Feb 13 /06 14:34:44	1.71	0.667	0.778	1.81	Vert	0.0166	0.00994	0.00663	Instanatel Inc.	
W	BE9690	Feb 13 /06 22:24:02	0.524	0.238	0.730	0.761	Long	0.00663	0.00663	0.00663	Instanatel Inc.	
W	BE9689	Feb 13 /06 22:54:59	1.17	0.889	1.08	1.60	Vert	0.0149	0.0116	0.0166		
W	BE9690	Feb 13 /06 23:54:51	2.02	0.698	1.24	2.27	Vert	0.0166	0.0133	0.0149	Instanatel Inc.	
W	BE9689	Feb 14 /06 16:12:49	0.683	0.429	0.270	0.696	Tran	0.00829	0.00663	0.00829		
W	BE9689	Feb 14 /06 17:59:25	0.667	0.429	0.587	0.891	Tran	0.00829	0.00663	0.0133		
W	BE9690	Feb 14 /06 18:59:16	0.556	0.381	0.825	0.924	Long	0.00663	0.00663	0.00829	Instanatel Inc.	
W	BE9689	Feb 14 /06 23:32:46	2.16	1.08	1.92	2.67	Vert	0.0182	0.0116	0.0166		
W	BE9690	Feb 15 /06 00:32:38	0.762	2.56	0.794	2.56	Vert	0.00663	0.0315	0.00994	Instanatel Inc.	Highest PGA as of Feb 17
W	BE9689	Feb 15 /06 11:59:19	0.714	0.556	0.683	0.988	Tran	0.00994	0.00663	0.00829		
W	BE9690	Feb 15 /06 12:52:28	0.460	0.302	0.651	0.745	Long	0.00829	0.00663	0.00663	Instanatel Inc.	
W	BE9690	Feb 15 /06 12:59:10	1.08	0.540	1.05	1.23	Tran	0.0116	0.0116	0.00994	Instanatel Inc.	
W	BE9689	Feb 15 /06 21:28:54	0.714	0.365	0.524	0.796	Tran	0.00829	0.00663	0.0149		
W	BE9690	Feb 15 /06 22:28:45	0.571	0.397	0.921	1.05	Long	0.00663	0.00829	0.00829	Instanatel Inc.	
W	BE9689	Feb 16 /06 12:50:44	0.619	0.333	0.651	0.798	Long	0.00829	0.00829	0.0149		
W	BE9690	Feb 16 /06 13:50:34	0.254	0.730	0.270	0.747	Vert	0.00497	0.0149	0.00829	Instanatel Inc.	
W	BE9689	Feb 16 /06 14:18:27	0.667	0.381	0.476	0.768	Tran	0.00663	0.00663	0.0149		
W	BE9689	Feb 16 /06 15:11:16	0.635	0.397	0.365	0.674	Tran	0.00829	0.00663	0.00994		
W	BE9690	Feb 16 /06 15:18:18	0.508	0.317	0.873	1.00	Long	0.00829	0.00663	0.00663	Instanatel Inc.	
W	BE9690	Feb 16 /06 16:11:06	0.714	0.270	0.397	0.770	Tran	0.00829	0.00663	0.00663	Instanatel Inc.	
LOG	BE9689	Feb 17 /06 11:06:57	***	***	***	***	***	***	***	***	Keyboard Stop No events recorded. (Keyboard Exit)	
LOG	BE9690	Feb 17 /06 13:26:45	***	***	***	***	***	***	***	***	Keyboard Stop No events recorded. (Keyboard Exit)	