

0101

J. Young
C/015/0012
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From: "Hardy, Russell" <RussellHardy@consolenergy.com>
To: "Hardy, Russell" <RussellHardy@consolenergy.com>, <pamgrubaughlittig@uta...>
Date: 12/20/2007 8:23 AM
Subject: Emery Subsidence Report
Attachments: Emery Subsidence 11-2007.pdf

CC: <karlhousekeeper@utah.gov>, <waynewestern@utah.gov>, <SteveChristensen@ut...>
Please find attached the subsidence report for November .

-Russell

Russell Hardy
CONSOL ENERGY
Phone: (435) 286-3513
Fax: (435) 286-3516
email: russellhardy@consolenergy.com

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Consolidation Coal Emery Mine Subsidence Report for November 2007

- 11-15-07 Panel 14 West – No new subsidence over Panel 14 West. No new cracks on road or under powerline no safety concerns. PB
Panel 15 West – Some new subsidence cracks over Panel 15 West about ½ inch wide 200 yards off of road. BH
0 North – No cracks found. We did have a roof fall in entries 3 and 4 but have no evidence on the surface. RH
- 11-20-07 Panel 14 West – No new cracks. BH
Panel 15 West – No new cracks. BH
0 North – 15 to 20 new subsidence cracks found ranging from ½ inch to 8 inches wide running 10 feet long. BH
- 11-29-07 Road and power near Panel 14 West some new cracks but no safety concerns. PB
- 11-30-07 Panel 14 West – No new subsidence some new cracks on the road approximately ¼ inch in width. See pictures below. PB



Panel 15 West – Some smaller cracks about ½ inch wide located above active face. See pictures below. PB



0 North – Quite a lot of cracks. See pictures below. PB

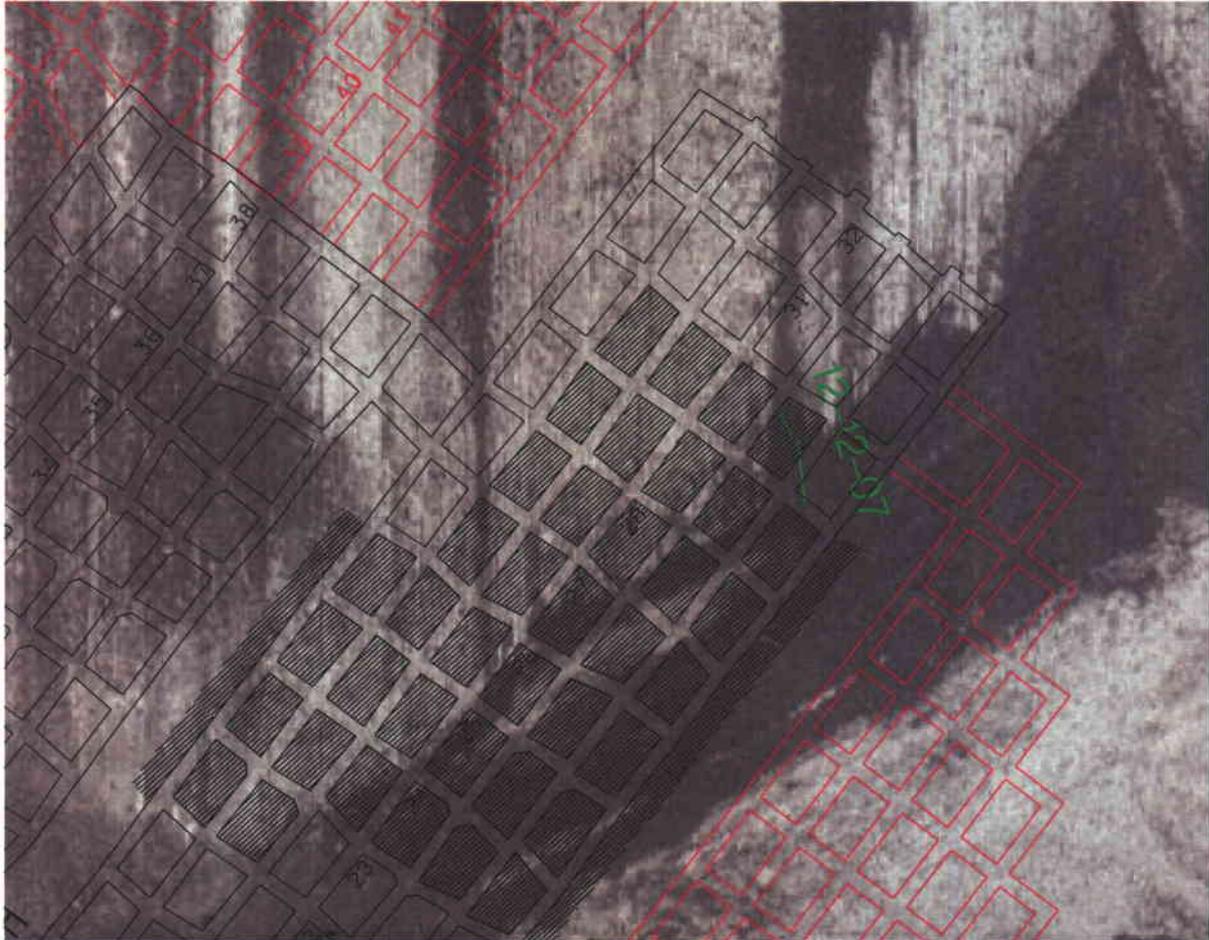


12-4-07 Panel 14 West – No change or new subsidence. PB
Panel 15 West – No change or new subsidence noticed. PB
0 North – Cracks still forming where we are mining. PB

12-6-07 Panel 14 West – No new subsidence. A couple of the cracks seem to be longer.
No safety concerns. PB

12-12-07

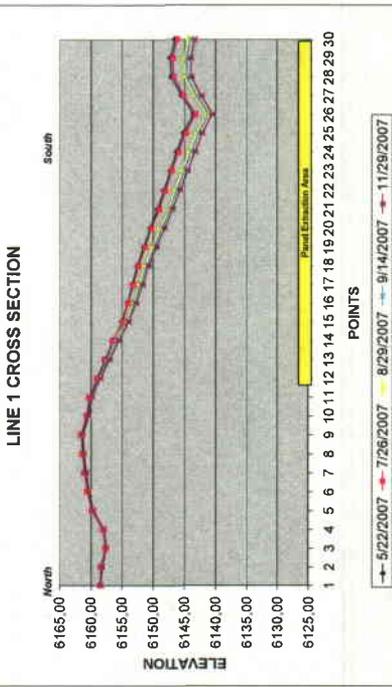
Panel 14 West – No new subsidence or change. Too much snow to see much. PB
Panel 15 West – No new subsidence or change. Too much snow to see much. PB
0 North – Existing cracks are exhausting and enlarged. GPS a couple cracks. BH



Below is a summary of the flow data from SP-10 collected by Karla Knoop, from JBR Environmental.

Consol Emery Mine
Panel 14th West
Bryant No. 1
Flow Measurements made at dam
breach
Measurements taken by Karla Knoop

Date	Flow (gpm)
6/13/2007	77
7/24/2007	52
8/28/2007	75
9/20/2007	69
10/19/2007	59
11/15/2007	54

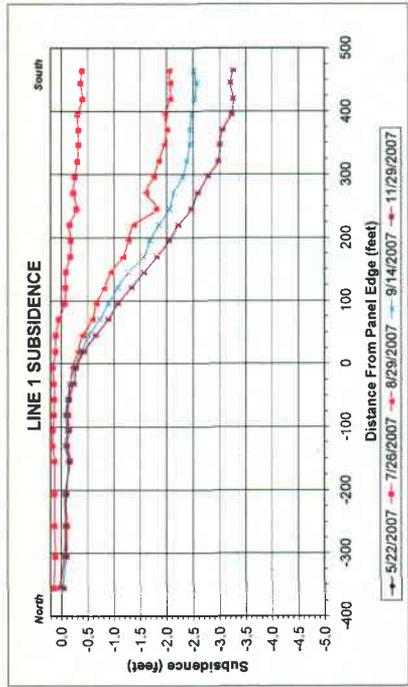


POINTS
 → 5/22/2007 → 7/26/2007 → 8/29/2007 → 9/14/2007 → 11/29/2007

Line 1 Points	Northings	Eastings	Elevation	Distance Between Points (ft)	Distance from Point 1 to Panel Edge (ft)	Panel Edge
1	61004.47	17003.62	6154.30	46.75	-306	
2	61008.10	17000.61	6159.19	46.75	-306	
3	61011.73	17000.61	6164.08	46.75	-306	
4	61015.36	17000.61	6168.97	46.75	-306	
5	61018.99	17000.61	6173.86	46.75	-306	
6	61022.62	17000.61	6178.75	46.75	-306	
7	61026.25	17000.61	6183.64	46.75	-306	
8	61029.88	17000.61	6188.53	46.75	-306	
9	61033.51	17000.61	6193.42	46.75	-306	
10	61037.14	17000.61	6198.31	46.75	-306	
11	61040.77	17000.61	6203.20	46.75	-306	
12	61044.40	17000.61	6208.09	46.75	-306	
13	61048.03	17000.61	6212.98	46.75	-306	
14	61051.66	17000.61	6217.87	46.75	-306	
15	61055.29	17000.61	6222.76	46.75	-306	
16	61058.92	17000.61	6227.65	46.75	-306	
17	61062.55	17000.61	6232.54	46.75	-306	
18	61066.18	17000.61	6237.43	46.75	-306	
19	61069.81	17000.61	6242.32	46.75	-306	
20	61073.44	17000.61	6247.21	46.75	-306	
21	61077.07	17000.61	6252.10	46.75	-306	
22	61080.70	17000.61	6256.99	46.75	-306	
23	61084.33	17000.61	6261.88	46.75	-306	
24	61087.96	17000.61	6266.77	46.75	-306	
25	61091.59	17000.61	6271.66	46.75	-306	
26	61095.22	17000.61	6276.55	46.75	-306	
27	61098.85	17000.61	6281.44	46.75	-306	
28	61102.48	17000.61	6286.33	46.75	-306	
29	61106.11	17000.61	6291.22	46.75	-306	
30	61109.74	17000.61	6296.11	46.75	-306	

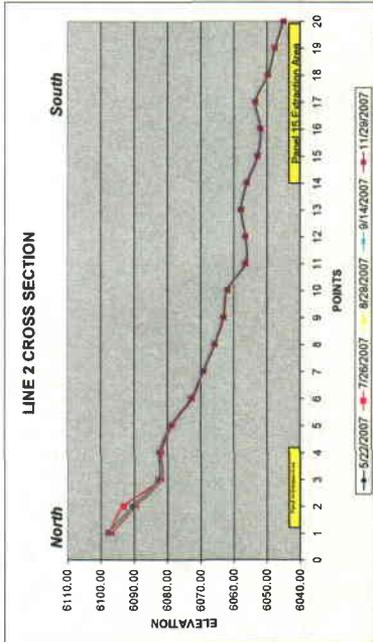
ELEVATION and SUBSIDENCE FOR LINE 1 STATIONS

Station	5/22/2007	7/26/2007	8/29/2007	9/14/2007	11/29/2007
1	6154.30	6154.30	6154.30	6154.30	6154.30
2	6159.19	6159.19	6159.19	6159.19	6159.19
3	6164.08	6164.08	6164.08	6164.08	6164.08
4	6168.97	6168.97	6168.97	6168.97	6168.97
5	6173.86	6173.86	6173.86	6173.86	6173.86
6	6178.75	6178.75	6178.75	6178.75	6178.75
7	6183.64	6183.64	6183.64	6183.64	6183.64
8	6188.53	6188.53	6188.53	6188.53	6188.53
9	6193.42	6193.42	6193.42	6193.42	6193.42
10	6198.31	6198.31	6198.31	6198.31	6198.31
11	6203.20	6203.20	6203.20	6203.20	6203.20
12	6208.09	6208.09	6208.09	6208.09	6208.09
13	6212.98	6212.98	6212.98	6212.98	6212.98
14	6217.87	6217.87	6217.87	6217.87	6217.87
15	6222.76	6222.76	6222.76	6222.76	6222.76
16	6227.65	6227.65	6227.65	6227.65	6227.65
17	6232.54	6232.54	6232.54	6232.54	6232.54
18	6237.43	6237.43	6237.43	6237.43	6237.43
19	6242.32	6242.32	6242.32	6242.32	6242.32
20	6247.21	6247.21	6247.21	6247.21	6247.21
21	6252.10	6252.10	6252.10	6252.10	6252.10
22	6256.99	6256.99	6256.99	6256.99	6256.99
23	6261.88	6261.88	6261.88	6261.88	6261.88
24	6266.77	6266.77	6266.77	6266.77	6266.77
25	6271.66	6271.66	6271.66	6271.66	6271.66
26	6276.55	6276.55	6276.55	6276.55	6276.55
27	6281.44	6281.44	6281.44	6281.44	6281.44
28	6286.33	6286.33	6286.33	6286.33	6286.33
29	6291.22	6291.22	6291.22	6291.22	6291.22
30	6296.11	6296.11	6296.11	6296.11	6296.11



Distance From Panel Edge (feet)
 → 5/22/2007 → 7/26/2007 → 8/29/2007 → 9/14/2007 → 11/29/2007

Line 2 Points	Northing	Existing Elevation	Distance Between	Distance from Panel Edge
	(ft)	(ft)	(ft)	(ft)
1	6759233.47	6087.75	24.88	-1.08
2	6759233.74	6090.40	24.87	-1.08
3	6759233.83	6092.32	24.87	-1.08
4	6759233.83	6092.32	24.87	-1.08
5	6759230.48	6078.90	24.63	-0.73
6	6759278.51	6077.87	23.86	-1.21
7	6759285.07	6085.86	24.14	-1.08
8	6759285.07	6085.86	24.14	-1.08
9	6759244.31	6083.14	24.10	-1.08
10	6759233.00	6081.85	24.51	-1.08
11	6759222.74	6084.15	24.19	-1.08
12	6759197.25	6082.98	25.23	-1.08
13	6759197.25	6082.98	25.23	-1.08
14	6759185.46	6058.15	24.78	-1.08
15	6759172.35	6052.97	24.52	-1.08
16	6759151.78	6048.87	48.84	-1.08
17	6759151.78	6048.87	48.84	-1.08
18	6759090.66	6047.63	48.74	-1.08
19	6759090.66	6047.63	48.74	-1.08
20	6759066.61	6045.16	48.98	-1.08



ELEVATIONS and SUBSIDENCE FOR LINE 2 STATIONS

Station	5222007	7082007	8292007	9142007	11292007
Substation	6057.75	6090.40	6078.90	6087.75	6090.40
1	6057.75	6090.40	6078.90	6087.75	6090.40
2	6057.75	6090.40	6078.90	6087.75	6090.40
3	6057.75	6090.40	6078.90	6087.75	6090.40
4	6057.75	6090.40	6078.90	6087.75	6090.40
5	6057.75	6090.40	6078.90	6087.75	6090.40
6	6057.75	6090.40	6078.90	6087.75	6090.40
7	6057.75	6090.40	6078.90	6087.75	6090.40
8	6057.75	6090.40	6078.90	6087.75	6090.40
9	6057.75	6090.40	6078.90	6087.75	6090.40
10	6057.75	6090.40	6078.90	6087.75	6090.40
11	6057.75	6090.40	6078.90	6087.75	6090.40
12	6057.75	6090.40	6078.90	6087.75	6090.40
13	6057.75	6090.40	6078.90	6087.75	6090.40
14	6057.75	6090.40	6078.90	6087.75	6090.40
15	6057.75	6090.40	6078.90	6087.75	6090.40
16	6057.75	6090.40	6078.90	6087.75	6090.40
17	6057.75	6090.40	6078.90	6087.75	6090.40
18	6057.75	6090.40	6078.90	6087.75	6090.40
19	6057.75	6090.40	6078.90	6087.75	6090.40
20	6057.75	6090.40	6078.90	6087.75	6090.40

