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CC: "SteveChristensen@utah.gov" <SteveChristensen@utah.gov>, "karlhouskee...
Date: 5/1/2009 9:10 AM
Subject: Emery Subsidence report
Attachments: Emery Subsidence 03-2009.pdf

Attached please find the monthly subsidence report for the Emery Mine.

Regards,
- Ian

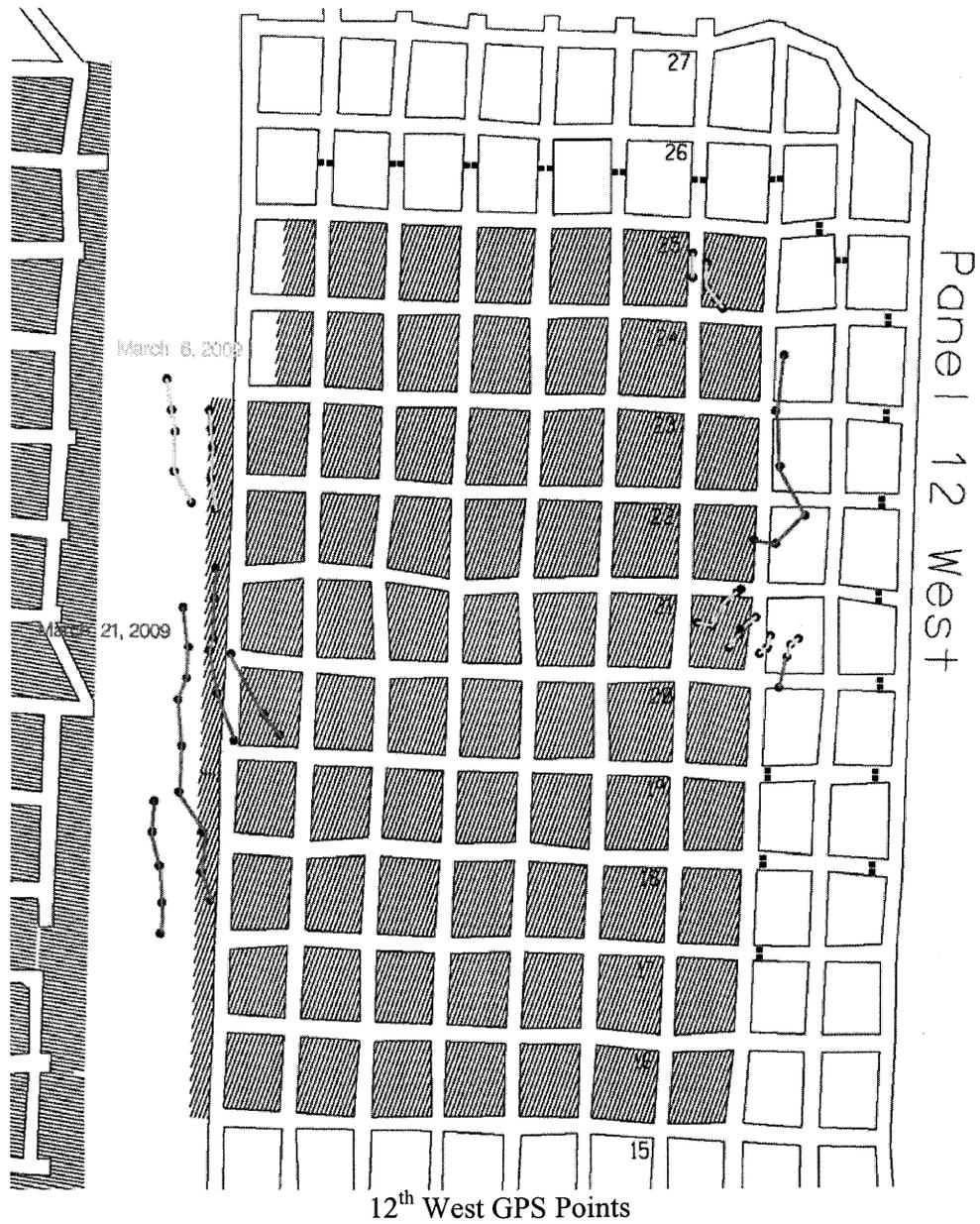
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Consolidation Coal Emery Mine Subsidence Report for March 2009

3-20-09

12th West – Walked 12th West GPS points on mine map (see red below). As before, the right side cracks are still harder to see. JJ





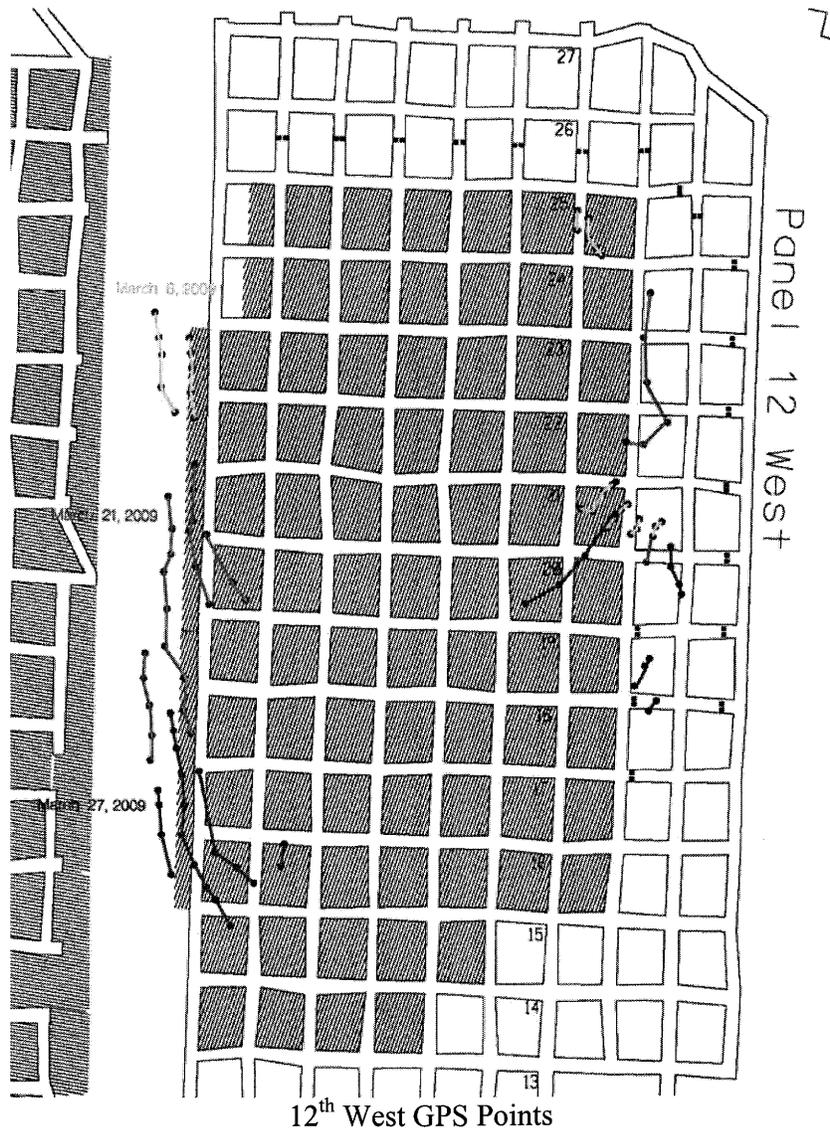
Cracks along left side of 12th West Panel



Cracks along right side of 12th West Panel

3-30-09

12th West – Walked 12th West and took GPS points (see blue below). Marked current pillared location in the center of the panel with a stake. This is now approximately about 50 yards away from the road. JJ





Cracks on right side of 12th West Panel



Cracks on left side of 12th Panel

4-6-09

12th West – Walked 12th West Panel and found cracks advancing with the face. On the south side of the panel, the cracks are larger than 1-2” in size. The distance between these cracks on the south end varies between 5-10’. On the north side of the panel cracks are smaller and more difficult to find. These cracks range from 0.5-1” in size and come in 5’ or less intervals. Older subsidence cracks above Panel 12 West are starting to weather in as the mine retreats back the 12th West Panel. JJ



Cracks on South Side of Panel 12th West



Cracks on North Side of Panel 12th West

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
12/17/07	frozen
1/15/08	Flowing under, over & through ice/snow; can't measure, but flow appears to be similar to the November flow rate.
2/26/08	67
3/21/2008	90
4/24/08	35
5/22/08	255
6/25/08	230
7/16/08	355
8/14/08	275
9/10/2008	190
10/21/08	117
11/19/08	48
12/11/08	56
1/21/09	34
2/26/2008	23
3/10/2009	29