

0038

*Internal*  
*C/007/0039* <sup>OK</sup>

**From:** Pete Hess  
**To:** Daron Haddock; Pam Grubaugh-Littig; Steve Christensen  
**Date:** 9/12/2007 2:02 PM  
**Subject:** Storm Event of August 14, 2007 @ Dugout Canyon and Pace Canyon / C/007/039  
**Attachments:** 20070912141005.pdf

Attached is the information which the Permittee was asked to provide following the storm event of August 14, 2007. An inspection of the damage was conducted on August 16, following the notification of the Division of the amount of damage. The rainfall amounts are estimates, but it looks like the information is adequate to confirm that the 10 year 24 hour event was exceeded.

Please reference inspection report # 1373.

The request for this information by the inspector is based upon the Associate Director of Mining's March 23, 1999 memo relative to storm exceedances.

Steve C., please review and provide your thoughts. I believe you have some other black and white photos of other damage caused by this storm.

The original, hard copy is in the PFO mail to Salt Lake through Pam for filing in the PIC room.

September 10, 2007

TO: COAL STAFF  
FROM: DUGOUT CANYON MINE, CANYON FUEL COMPANY, LLC, C007/039

RE: STORM EXCEEDENCE

Pace Canyon – Sections 17, 18, 19 & 20, Township 13S Range 13E

Precipitation Event: August 14, 2007

Precipitation Event: Started 6:20 pm, ended 6:55 pm (times are approximate)

Precipitation: 2 inches fell into a container 22.5" in diameter in 20 minutes as measured by a contractor.

*2" in 20 minutes*

Hand drawn diagram of Pace Creek channel immediately above access gate from Clarks Valley. The creek topped the bank and ran over the ground for approximately 450' before rejoining the creek channel below the access gate. Pete Hess took picture of this location on Thursday, August 16<sup>th</sup>, high watermarks are visible in the picture.

Dugout Canyon Mine Site – Sections 14 & 23, Township 13S Range 12E

Precipitation Event: August 14, 2007

Precipitation Event: Started 6:15 pm, ended 7:00 pm (times are approximate)

Rain gauge did not work during the storm due to power outage.

Estimated rain fall was 1.25 inches in an hour.

Around 7:25 pm the inlet to Culvert UC-5 (Plate 7-5) of Dugout Creek became blocked. The inlet was blocked due to logging debris from upstream. Water topped the gabion baskets and flooded the area behind the coal pile. The trash racks kept the debris from entering the culvert. The mine sites drainage system collected the overflow and directed it into the sediment pond. The sediment pond did not discharge.

The inlet of Culvert UC-6 (Plate 7-5) on Dugout Creek was not breached, however the water was 4 feet 3 inches in the channel per markings on the inlet's trash racks.

Cross-sections of the inlets are attached, blue line represents depth of water at its highest observed and recorded level. High watermark photographs are attached.

RECEIVED

SEP 12 2007

OGM-PRICE FIELD OFFICE

Coal Staff Memo, March 23, 1999, Mary Ann Wright, Associate Director, Mining

*Co-ordinate with  
Inspection Report # 1373*

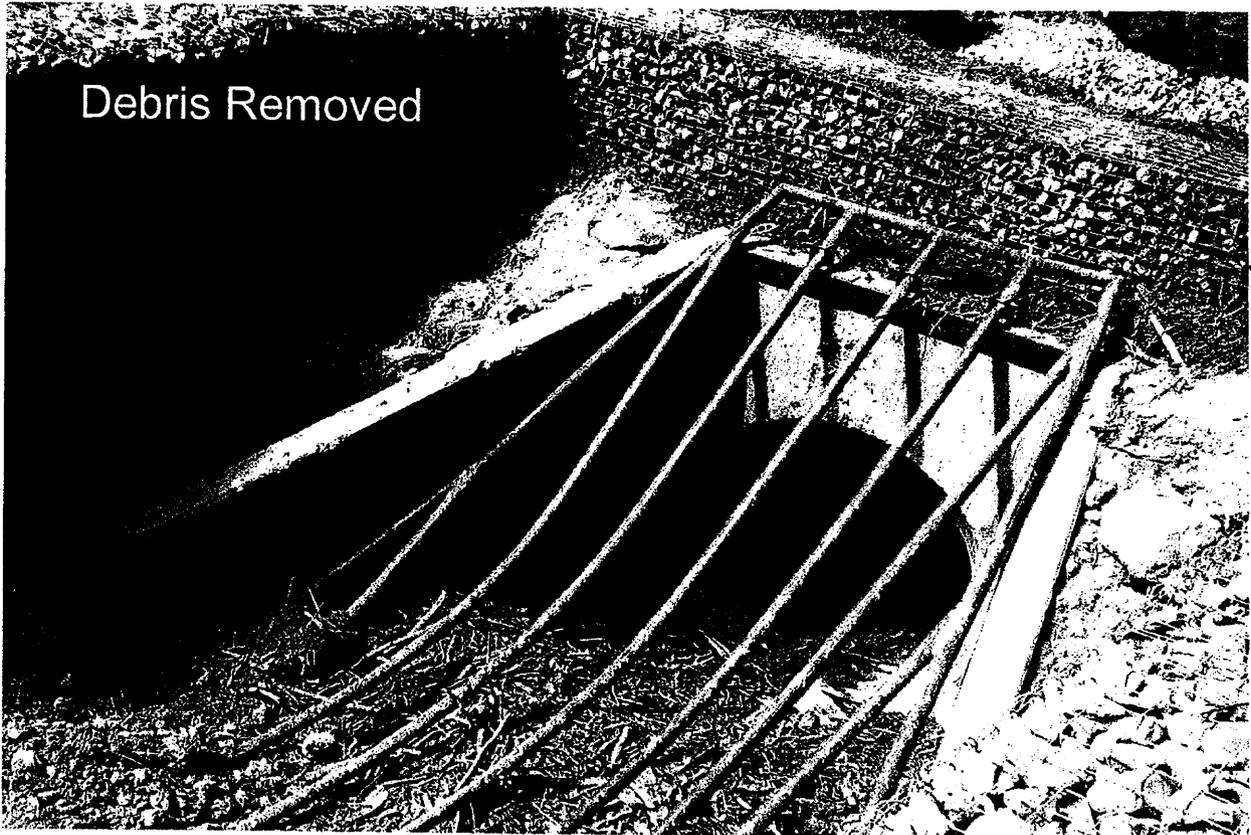


Inlet Culvert UC-6  
note water line mark

*Undisturbed Inlet  
above Dugout Creek  
Mine Facilities*



*Note Debris Level* Inlet Culvert UC-5



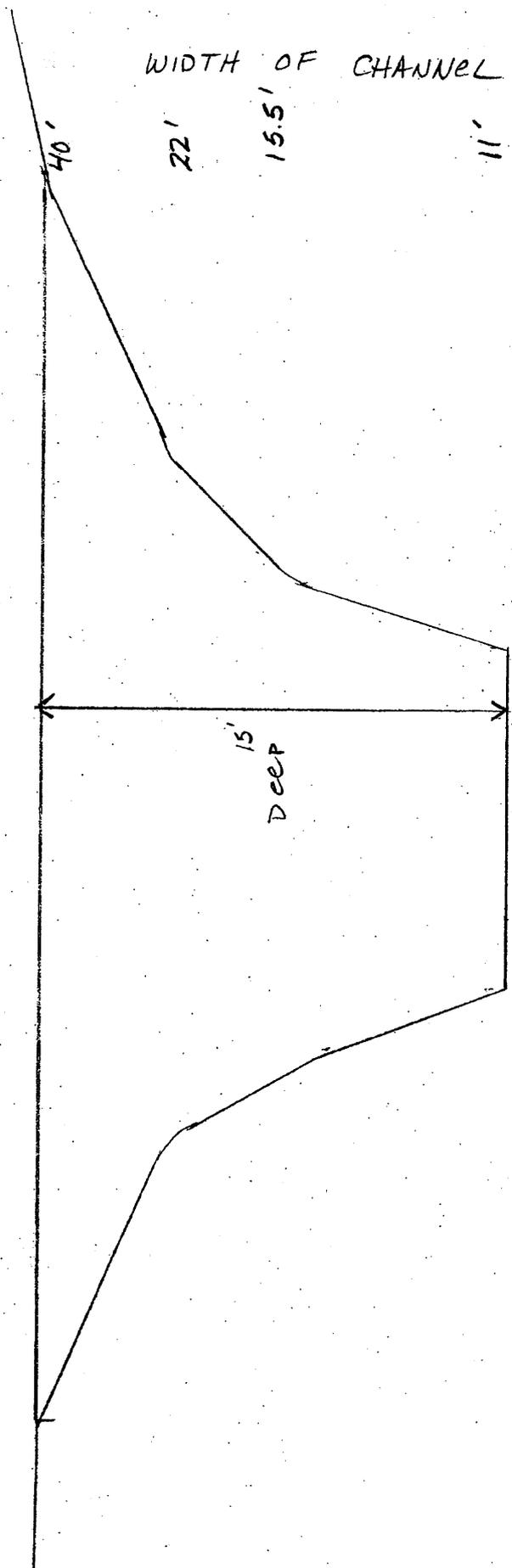
*Debris Level*

Path of Overflow from Pace Creek at Gate



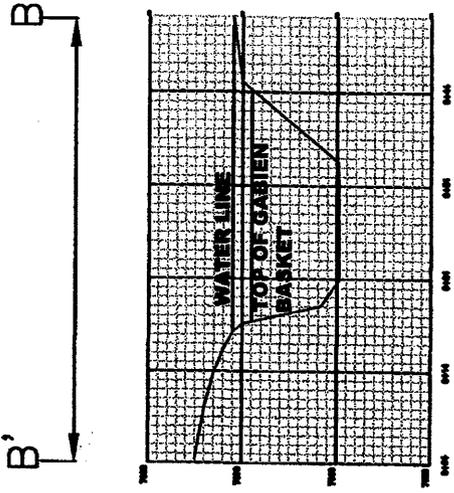
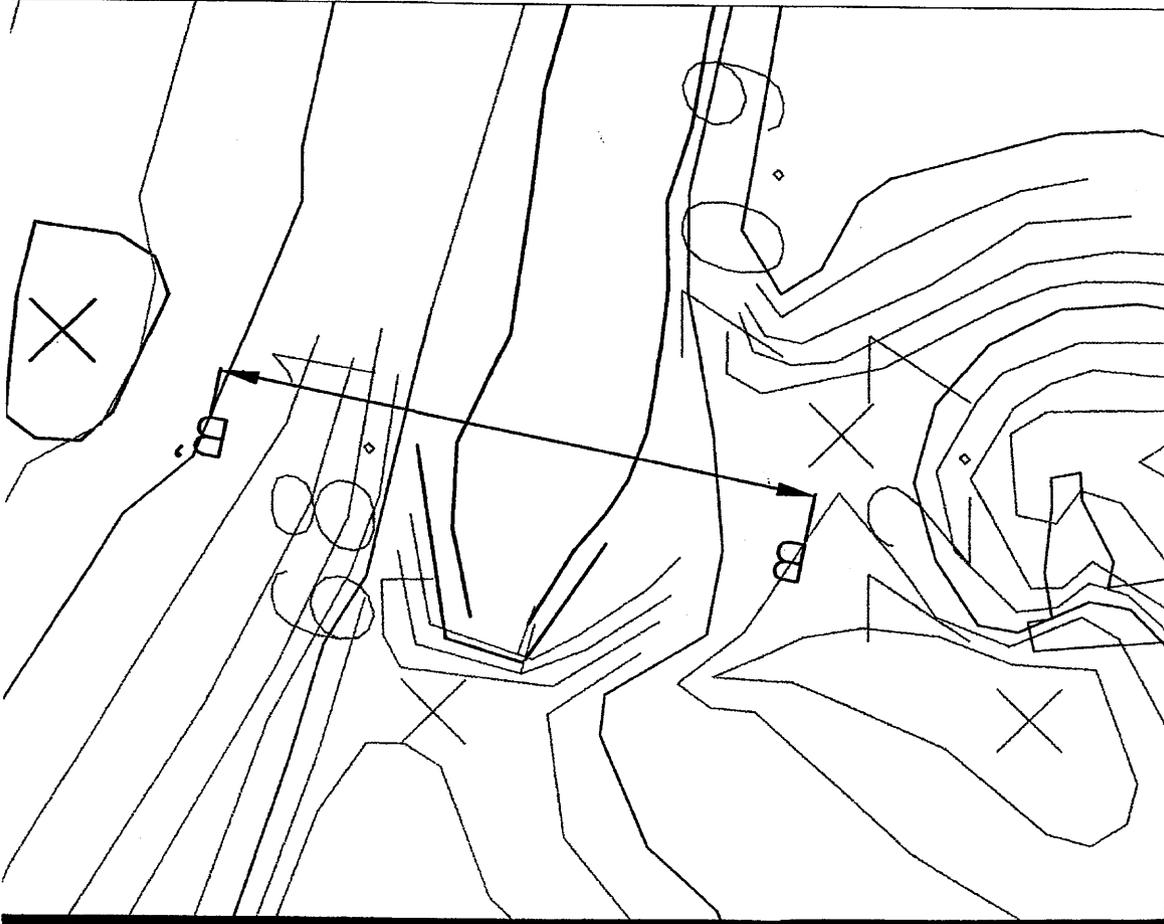
Pace Creek Channel





PACE CREEK CHANNEL  
AUGUST 14, 2007

  
 22-141 50 SHEETS  
 22-142 100 SHEETS  
 22-144 200 SHEETS



UC-5 (PLATE 7-5)

*Lower Rt. Fork Dugout Creek*

REVISIONS OR UP-DATES		DATE	9-10-07
NO.	DATE	BY	DESIGNED BY:
			DRAWN BY: SC
			CHECKED BY:
			SCALE: NTS
FILENAME: Y:\SAM\OTHER\VOCKY CROSS SECTION			

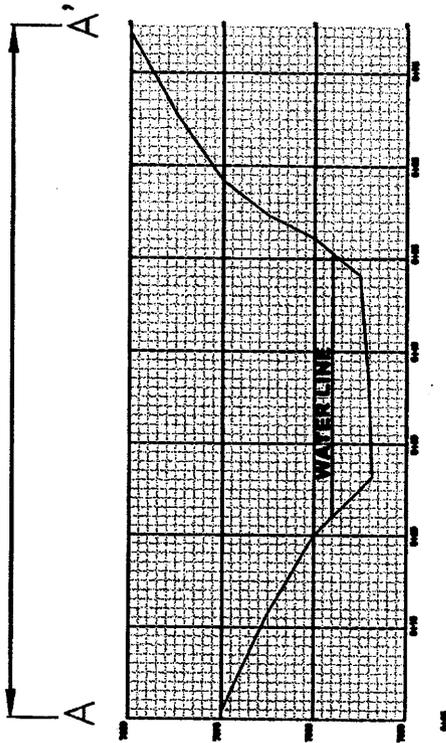
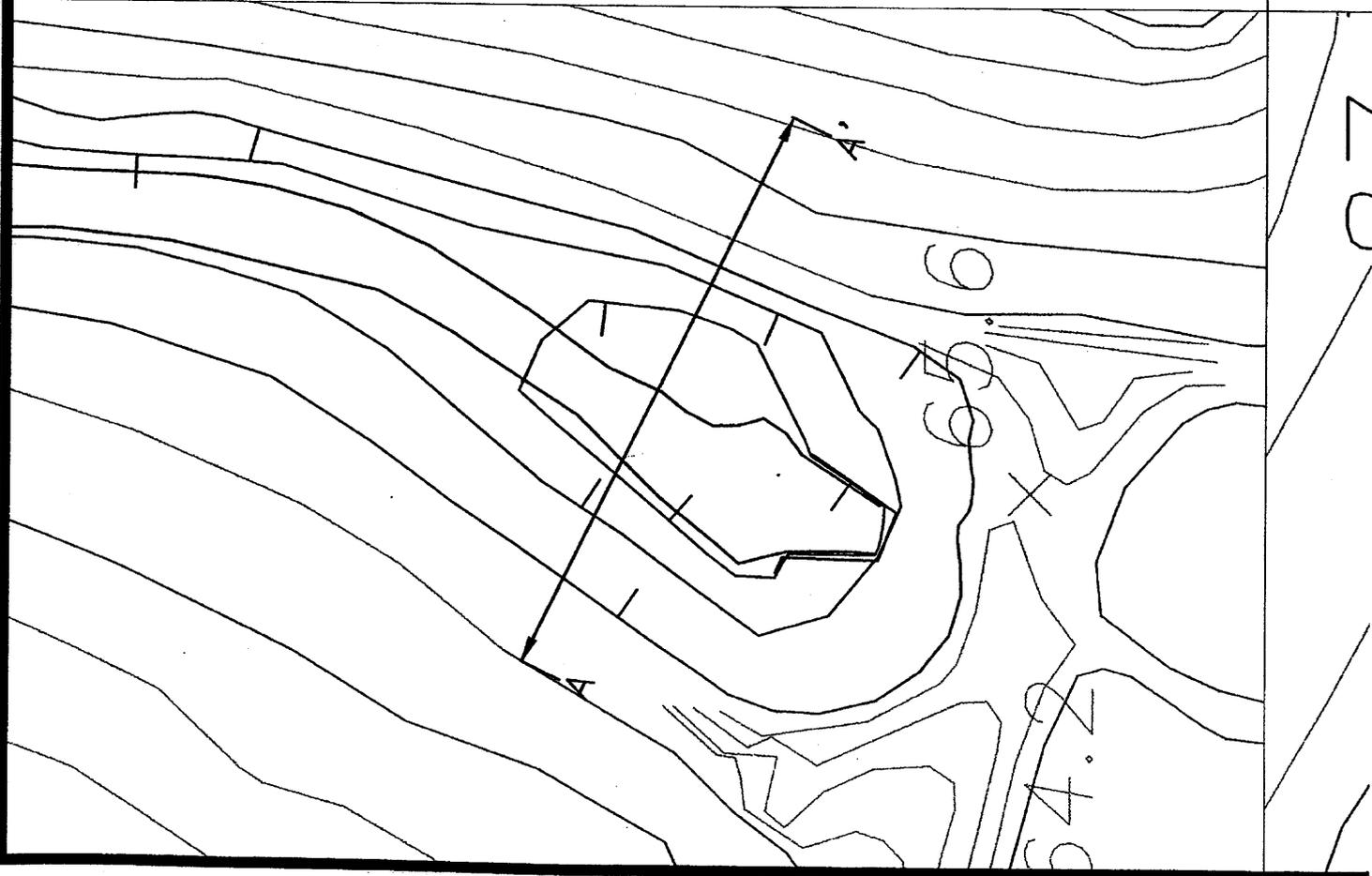


Canyon Fuel Company, LLC  
Dugout Canyon Mine

**INLET CROSS SECTIONS**

DRAWING OR  
MAP NUMBER

P.O. BOX 1029  
WELLINGTON, UTAH 84542



UC-6 (PLATE 7-5)

*Undisturbed By-Pass Inlet  
in Dugout Creek (Main  
Channel)*