

0060

Incoming  
C/007/0039

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.

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.

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

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Inlet Culvert UC-6  
note water line mark

Following Storm

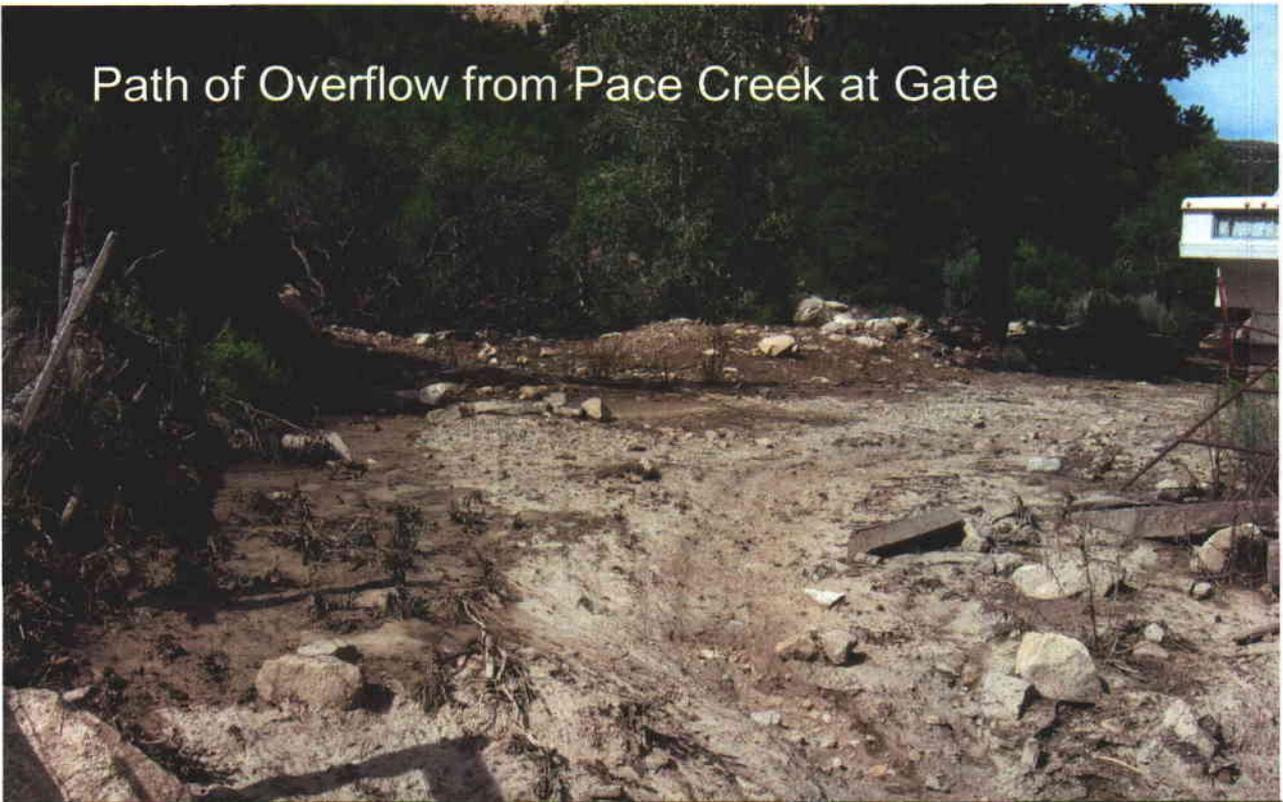


Inlet Culvert UC-5

Debris Removed

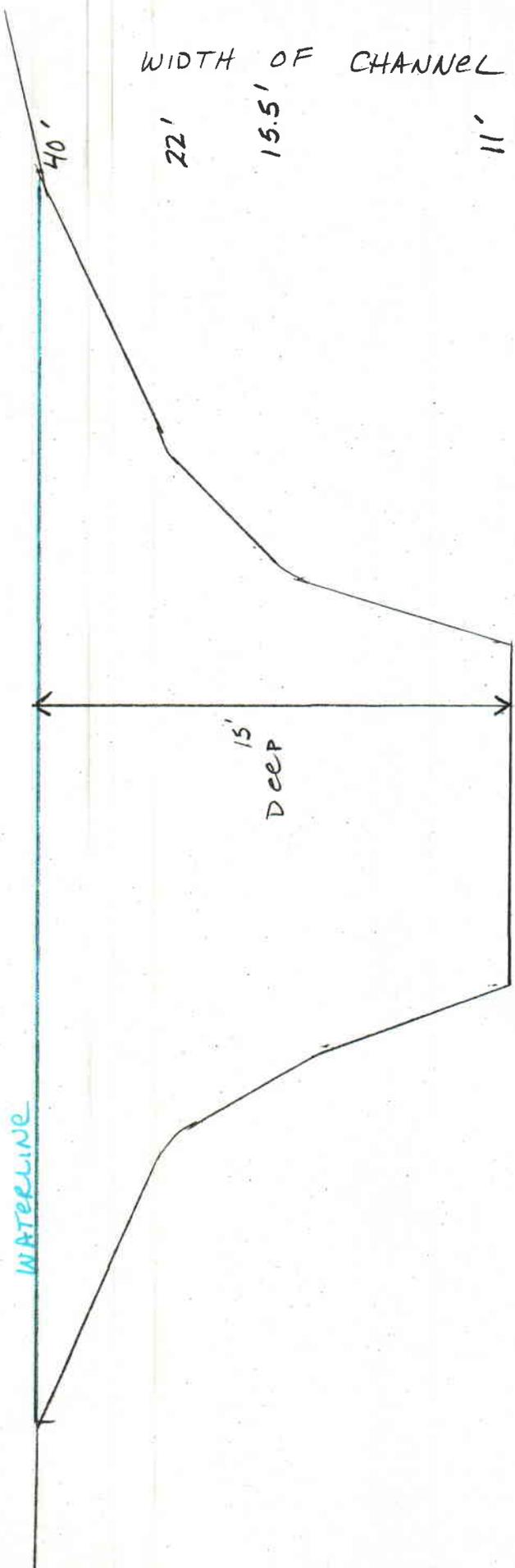


Path of Overflow from Pace Creek at Gate



Pace Creek Channel

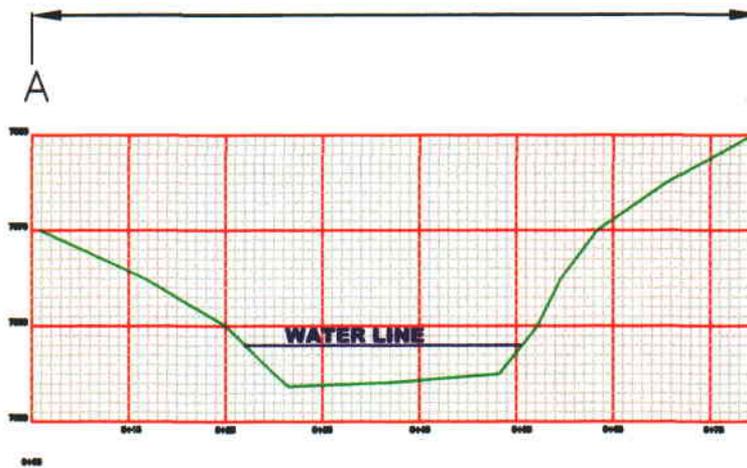
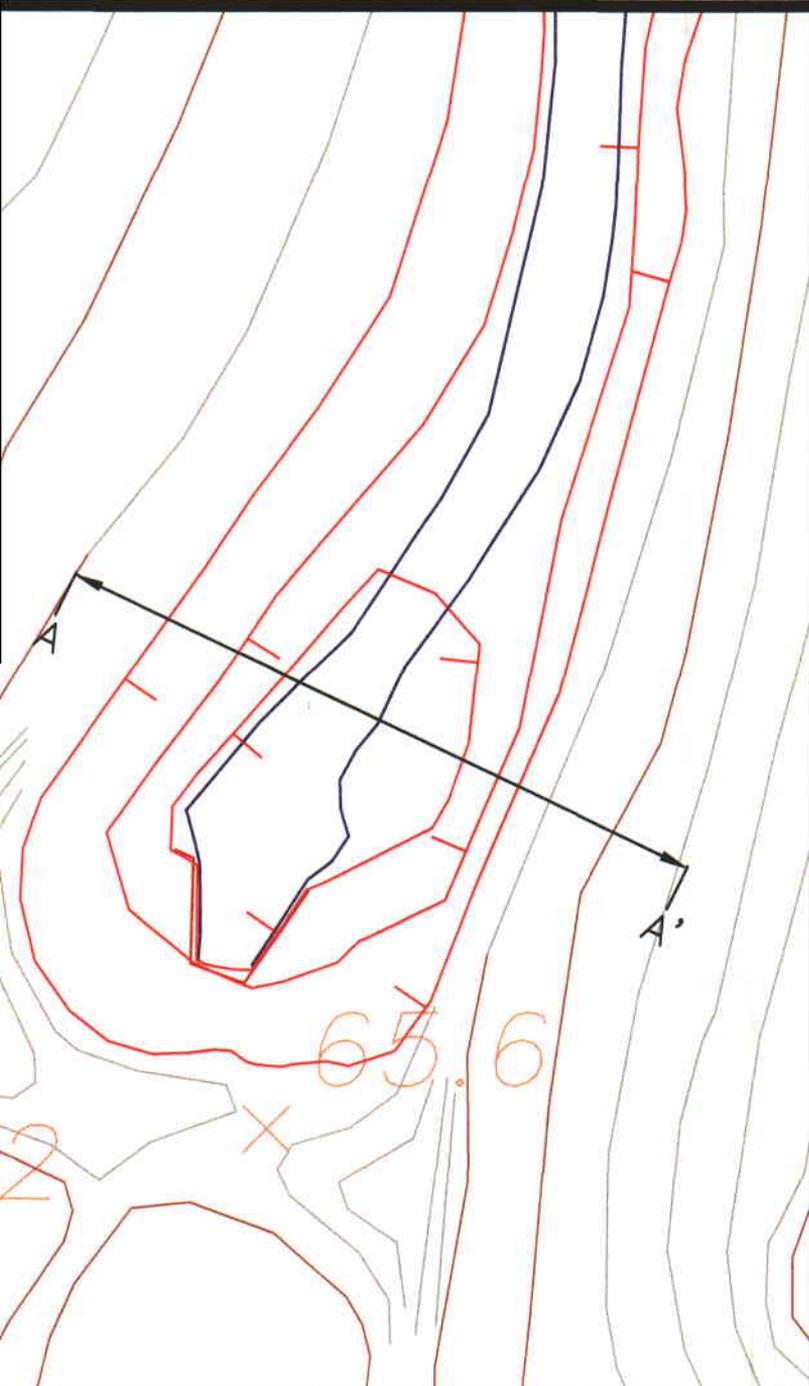




PACE CREEK CHANNEL  
 AUGUST 14, 2007



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



UC-6 (PLATE 7-5)

