Area 10
Area 9
Area 8
Area 15
Area 18
Graben Tunnel
Longwall mining panel 12
Longwall mining panels 4,5
Bear Canyon Graben
Bear Canyon Fault
Western Boundary Fault
Bear Cyn Graben
Hiawatha #2 Mine Water Storage Reservoir
Hiawatha Portals
King Portals
Roof Cavell
Last Mined Areas Circled
Hiawatha Complex
Mohrland Portals
hattered one
LOWER TIE FORK

Subsidence or break out areas
Selected Long Wall Mining Panels
Mined Mains
Permit Area
Wattis Seam Sump Drainage Area
Third Seam Sump Drainage Area
Streams
Major Faults
Infered Major Faults
Minor Faults
Infered Minor Faults
Subsidence Fractures
Botton of Coal Seam Contour
Springs
Wells
Surface Water Monit. Site
UPDES Monit. Site

Map 3c
Cumulative Hydrologic Impact Assessment
Gentry Mountain

Hiawatha Mine - Hiawatha Seam
Mining and Subsidence Areas

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Compiled by: Dan Smith Date: April 02, 2007

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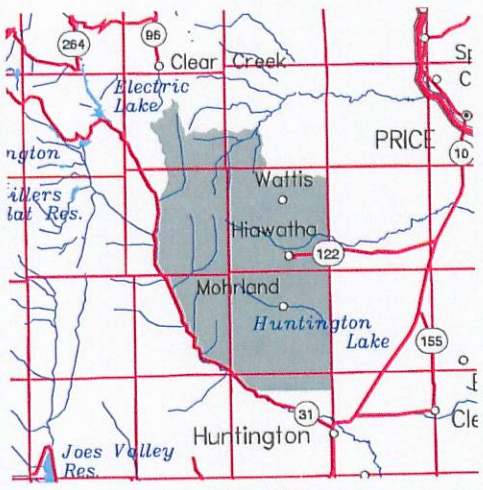
Scale 1:40000 (verify scale)



Location Map