



MBMG Open-File Report 705, Plate 2

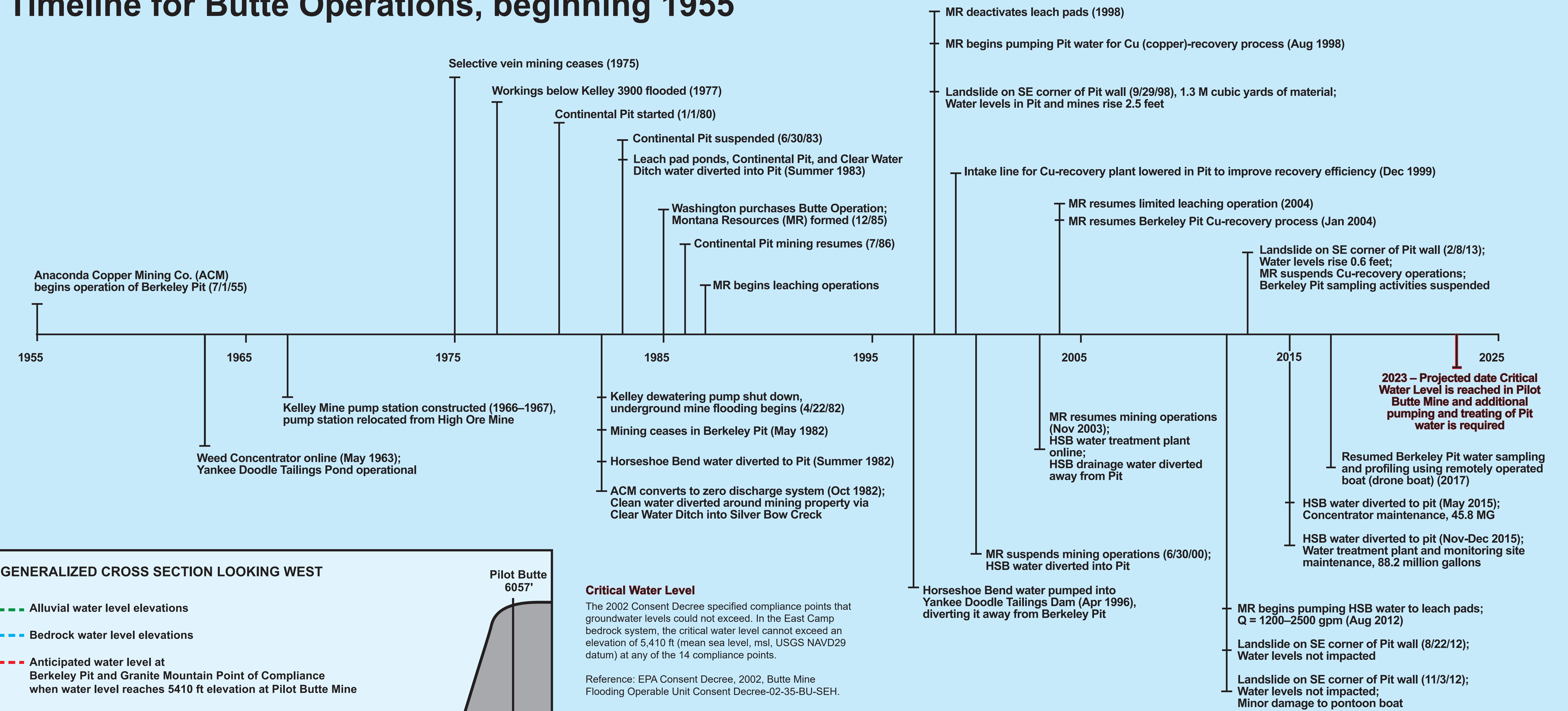
History and Hydrogeology of the Berkeley Pit,  
Butte, Montana, 1955-2017

Terence E. Duhaime and Susan M. Smith

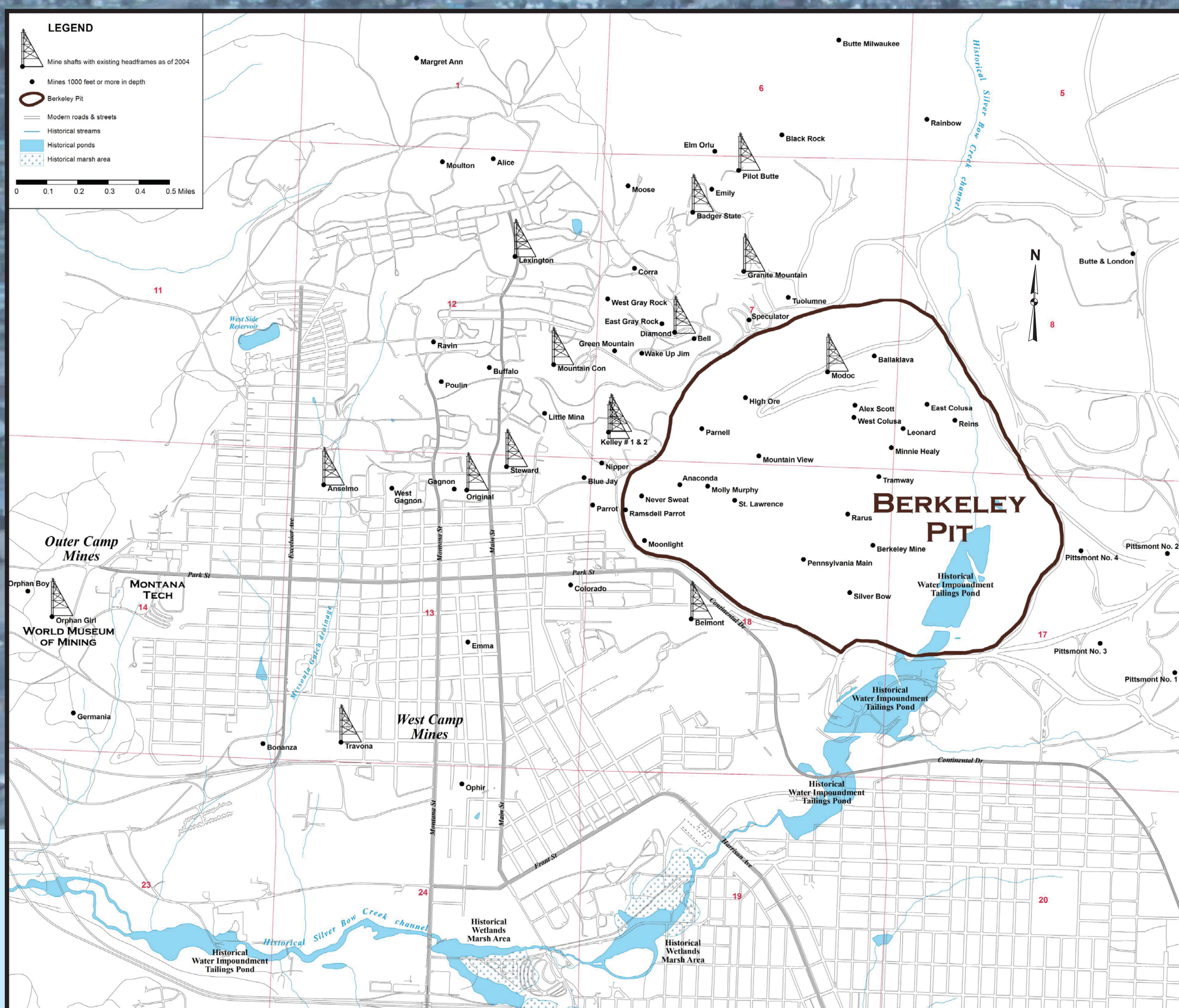
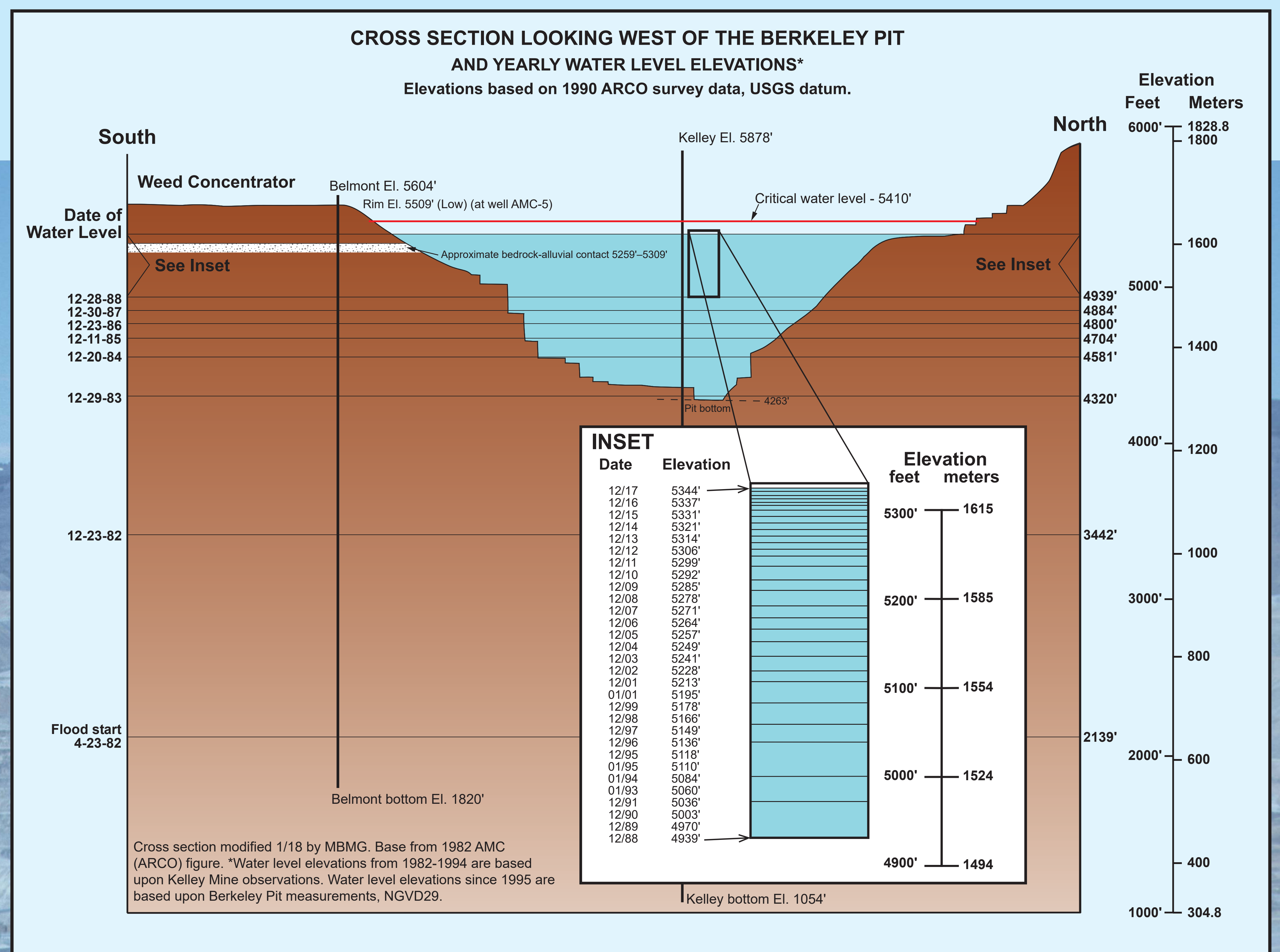
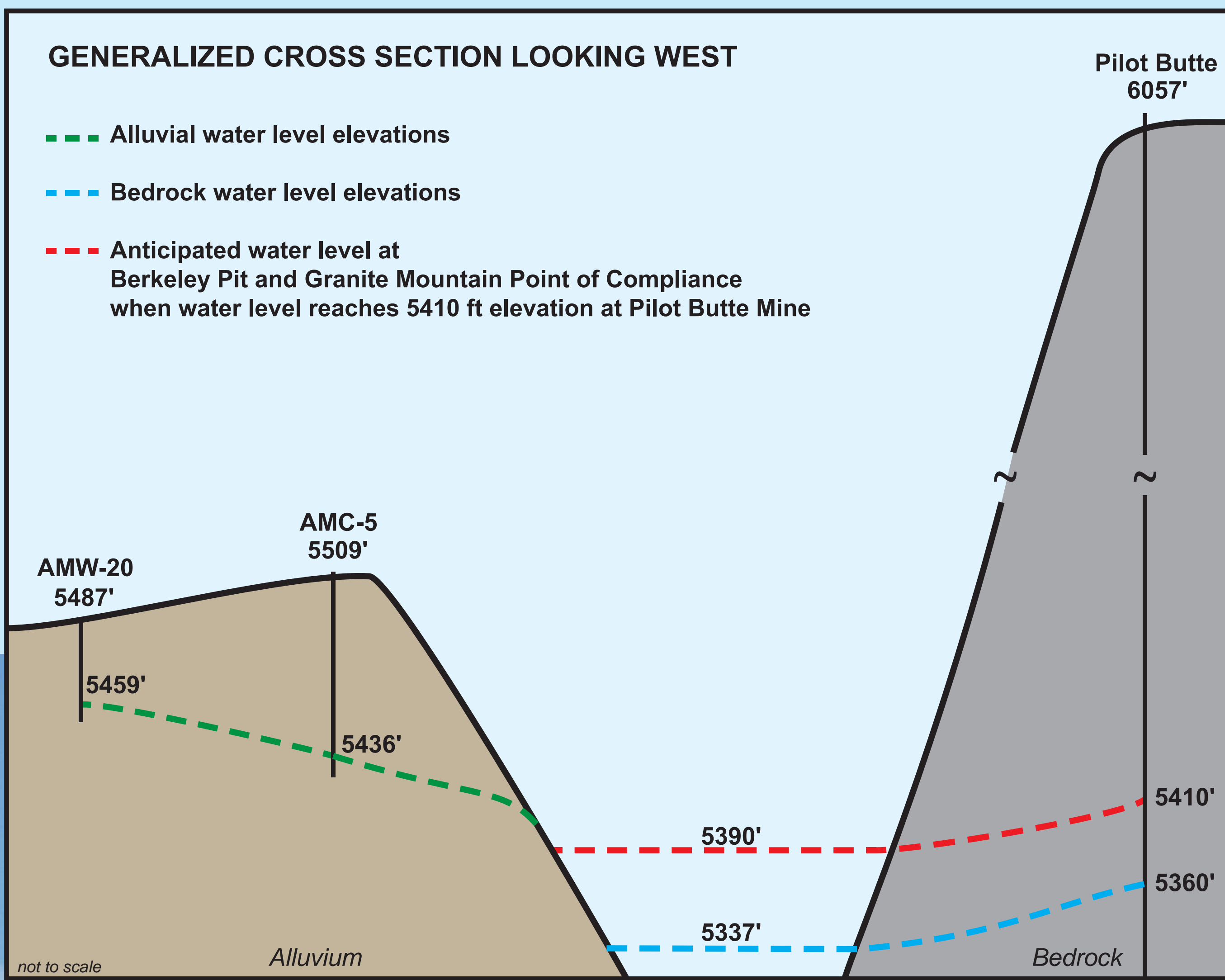
2018

# History and Hydrogeology of the Berkeley Pit, Butte, Montana, 1955-2017

## Timeline for Butte Operations, beginning 1955



**Critical Water Level**  
The 2002 Consent Decree specified compliance points that groundwater levels could not exceed. In the East Camp bedrock system, the critical water level cannot exceed an elevation of 5,410 ft (mean sea level, msl, USGS NAVD29 datum) at any of the 14 compliance points.  
Reference: EPA Consent Decree, 2002, Butte Mine Flooding Operable Unit Consent Decree-02-35-BU-SEH.



Map showing general outline of the Berkeley Pit and location of Upper Silver Bow Creek drainage. Historic mine shafts are shown for reference.

Background: Aerial photo of Berkeley Pit in 1979, looking north-northwest



May 2017, looking southeast  
Photo provided by Daryl Reed, MDEQ