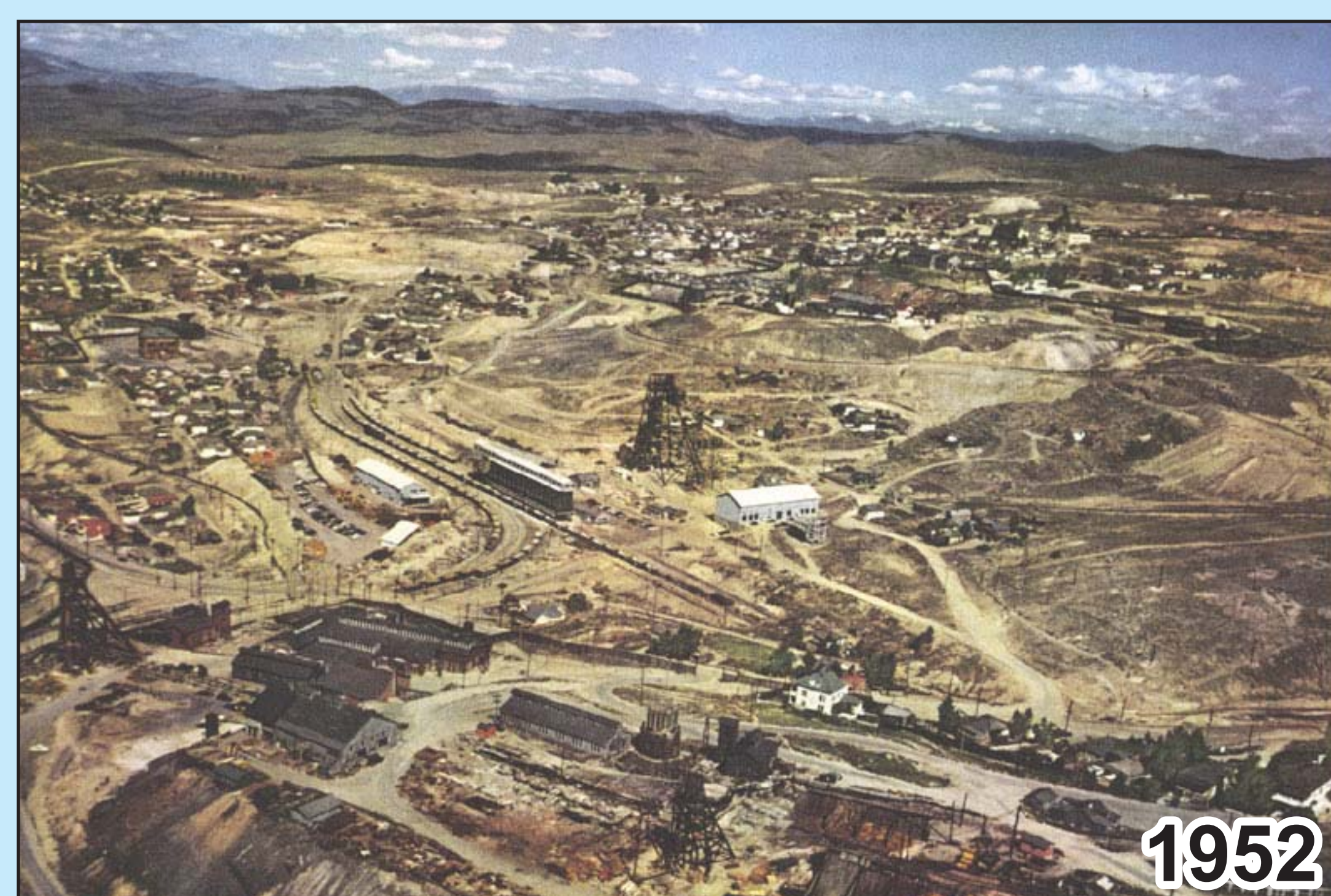
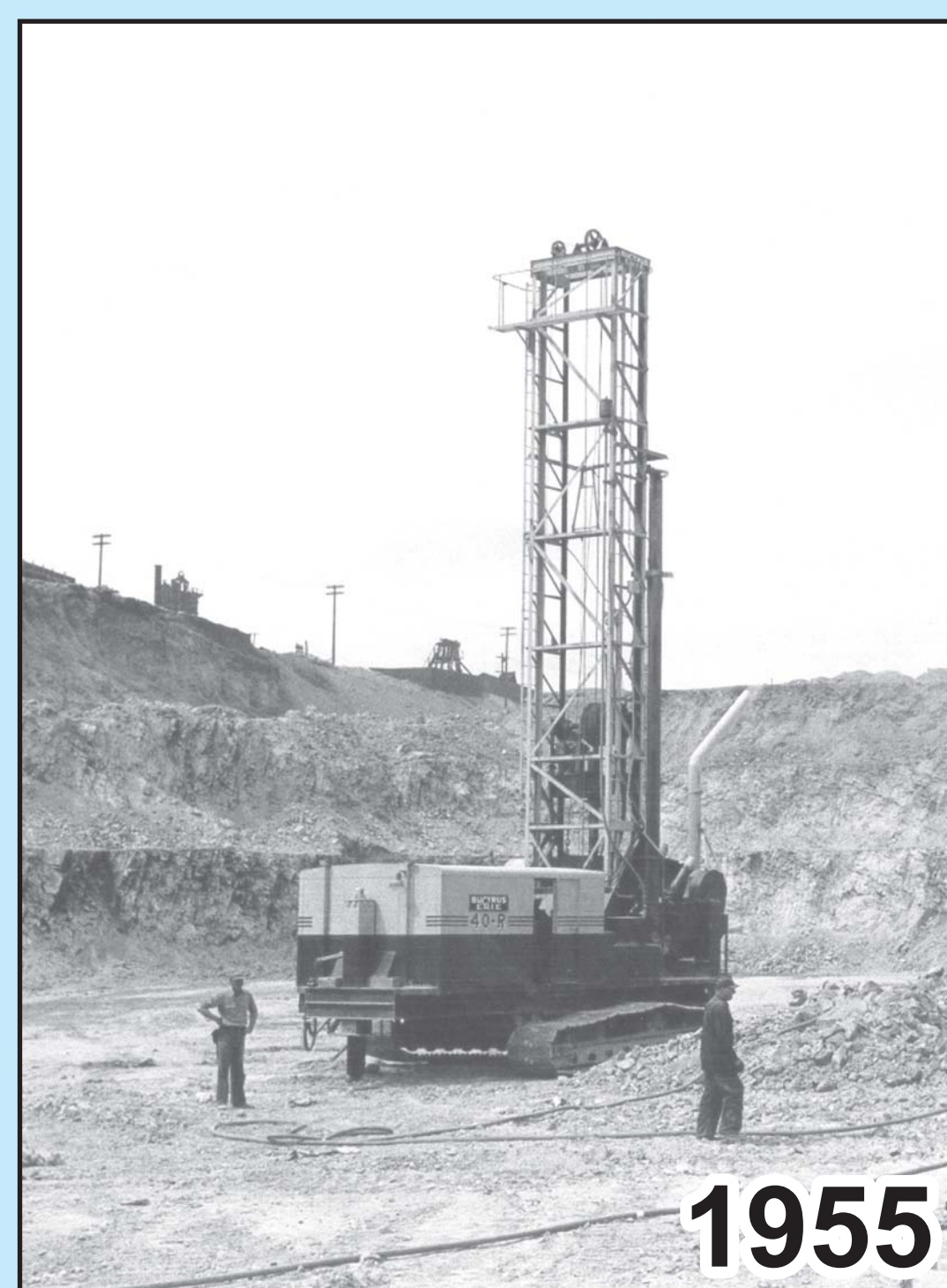


# History and Hydrogeology of the Berkeley Pit, Butte, Montana, 1955–2017



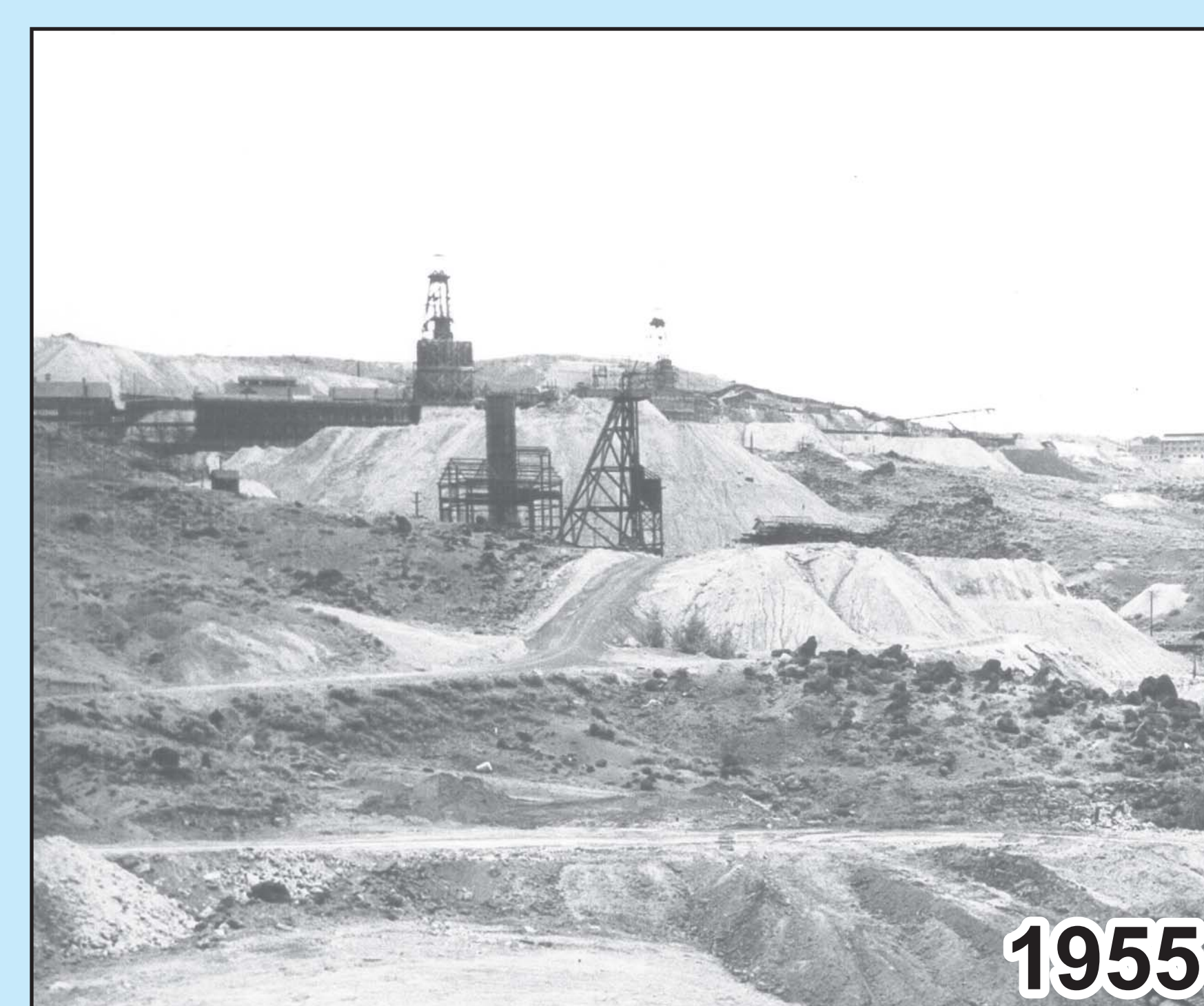
1952



1955



1955



1955



1963



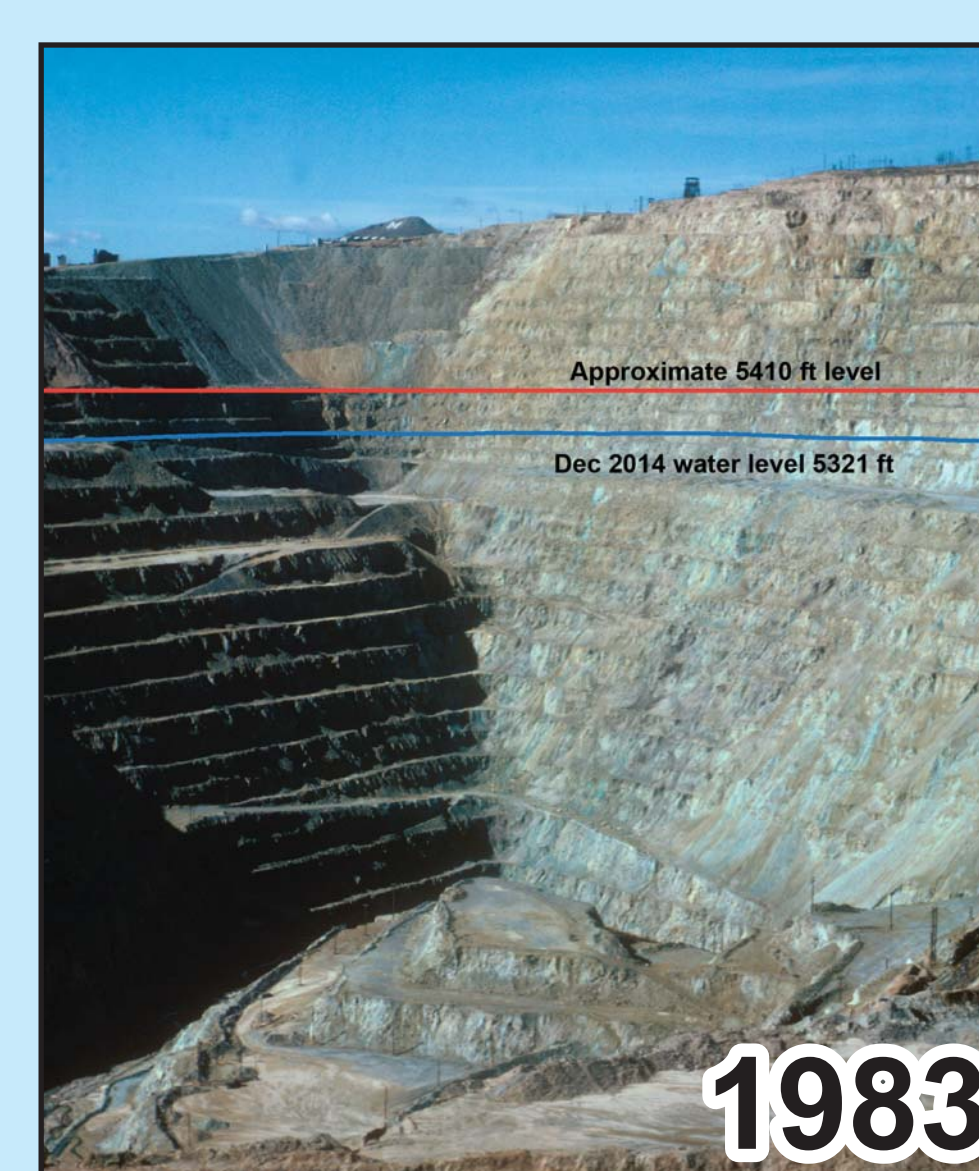
1972



1979



1982



1983



1984



1985



1986



1987



1988



1992



1998



2003



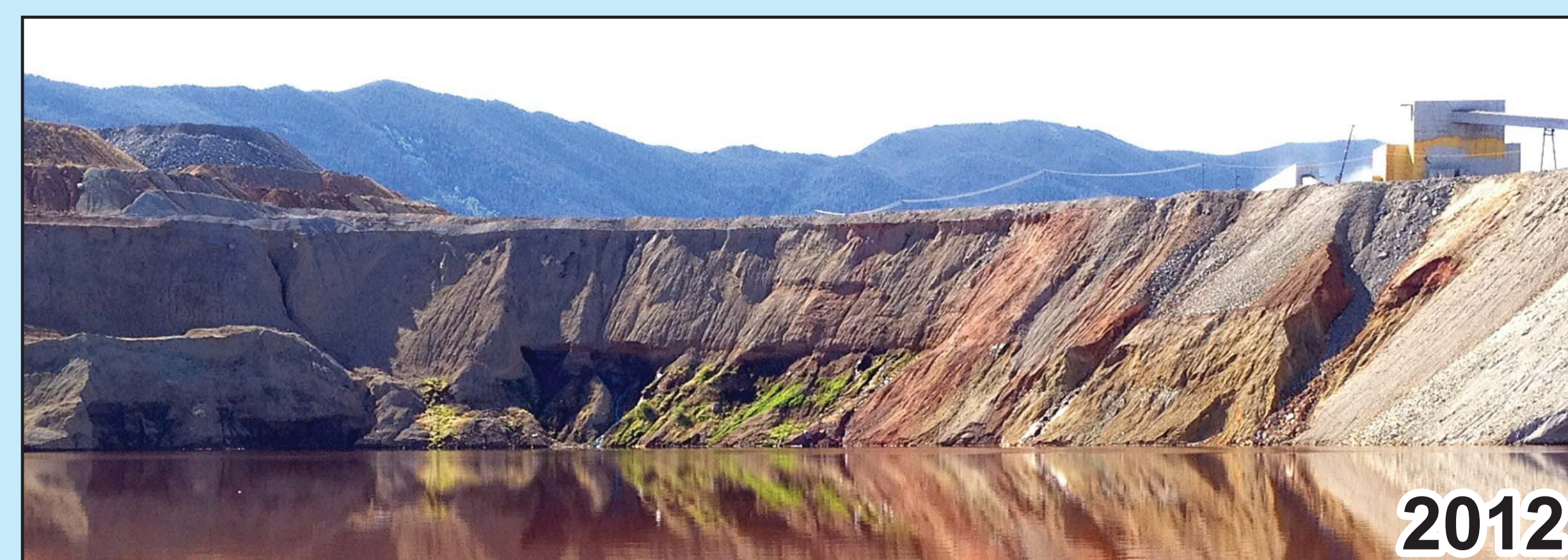
2004



2006



2011



2012



2013



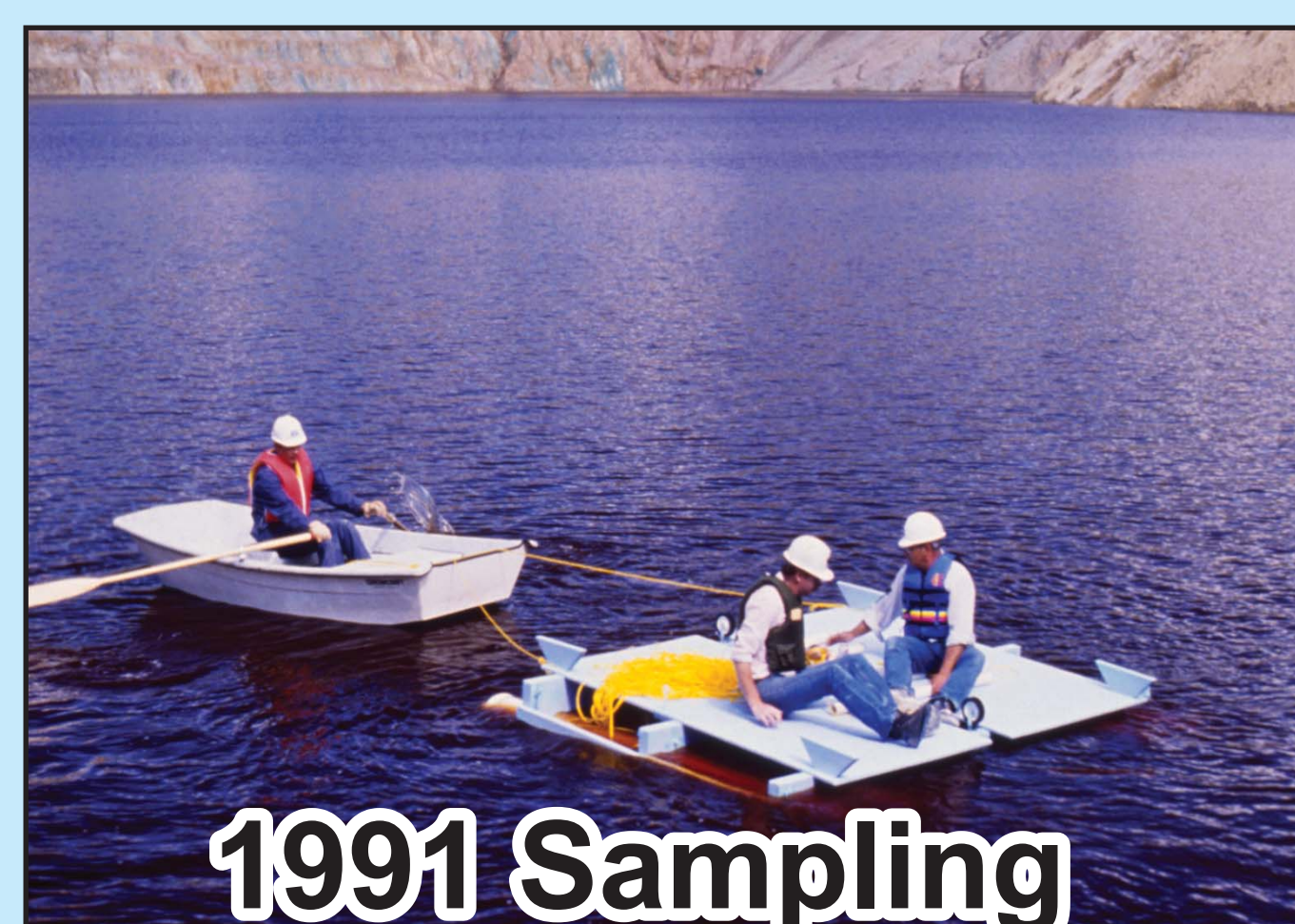
2015



2017



Helicopter sampling  
1985–1986



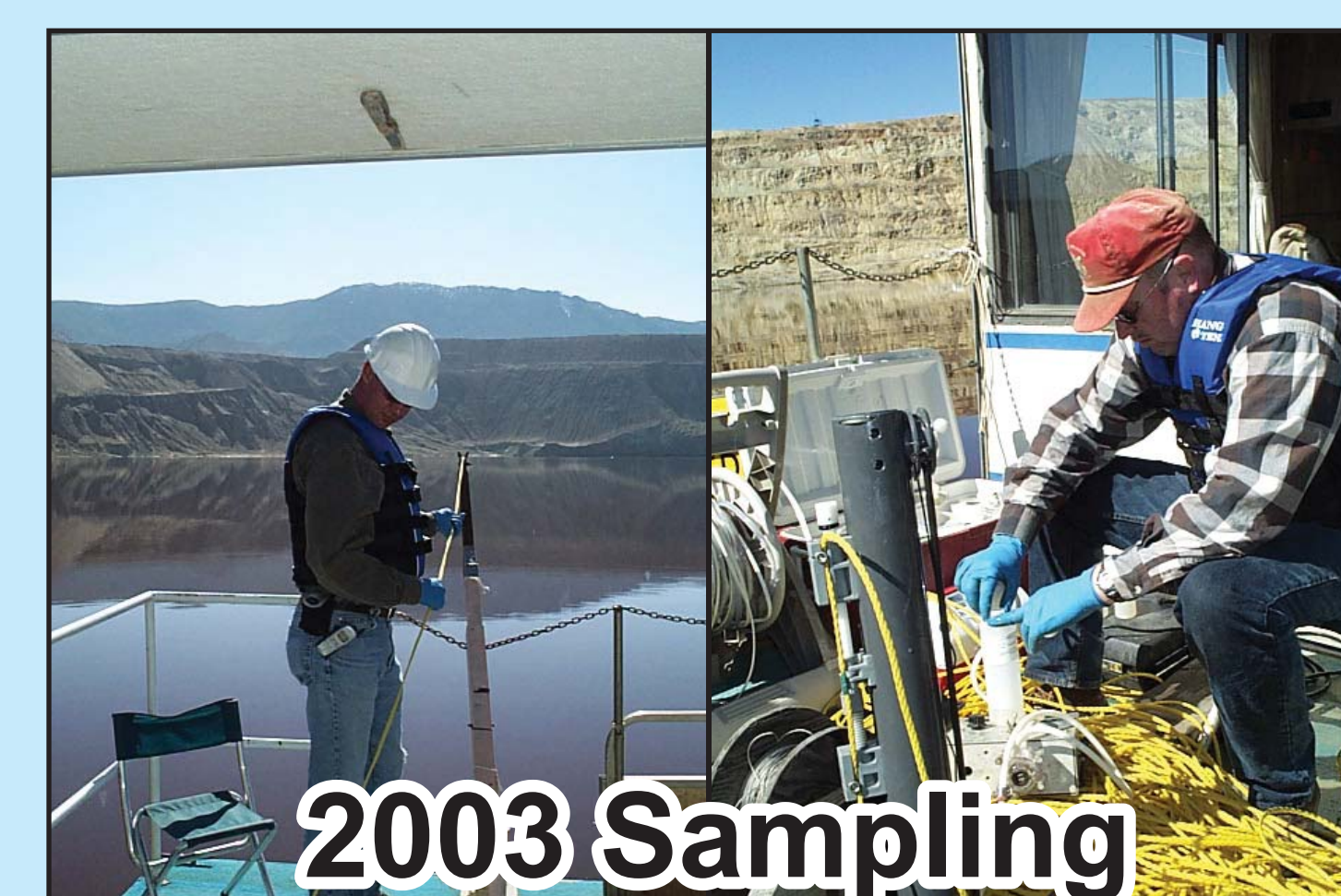
1991 Sampling



1992 Sampling



2002 Sampling

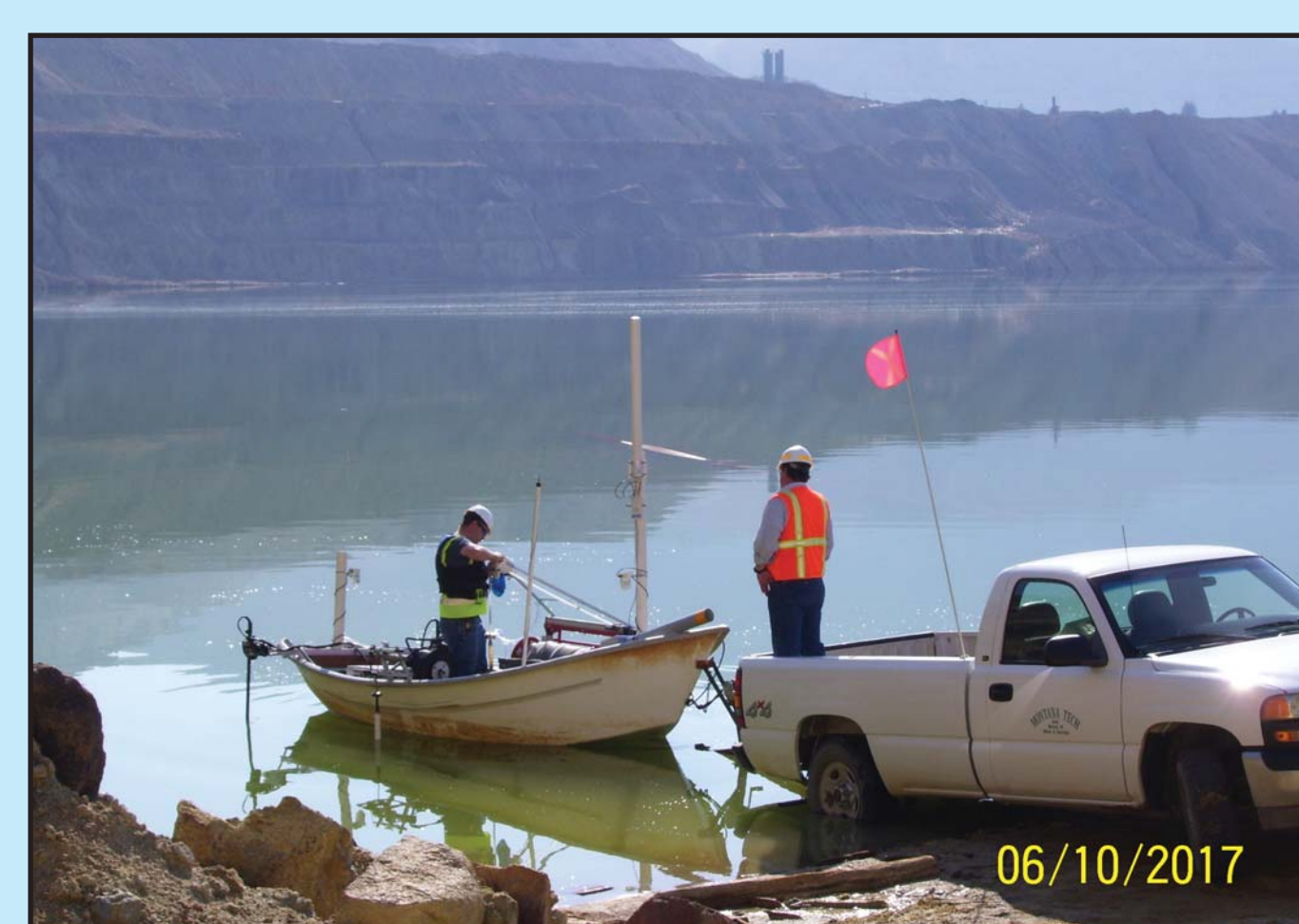


2003 Sampling

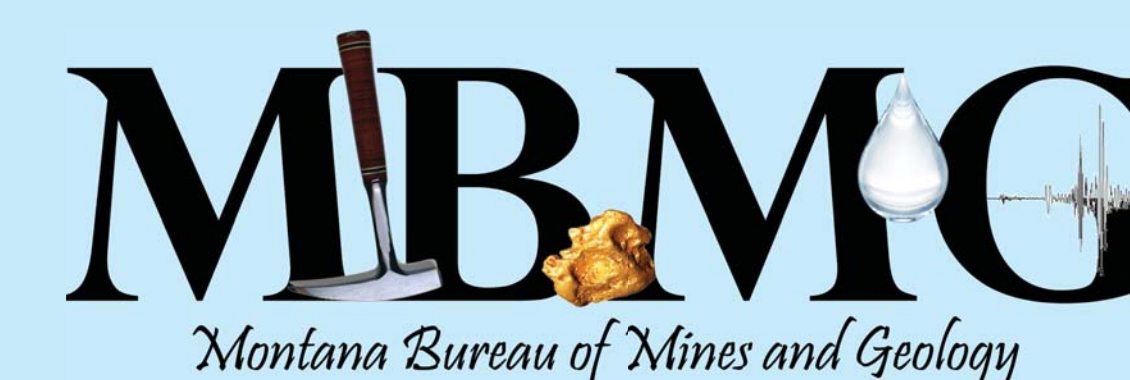
## The Evolution in Berkeley Pit Sampling Platforms: Helicopters to Drones



2016 Testing drone sampling boat



2017 Sampling by drone



MBMG Open-File Report 705, Plate 1

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

Terence E. Duaine and Susan M. Smith  
2018

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Phone: (406) 496-4174 <http://mbmg.mtech.edu>