

Agua Chinon Retarding Basin

Monitoring Survey

Legend

- Benchmarks
- Monitoring Stations



Agua Chinon Retarding Basin (F18B01) Monitoring Survey

10/1/2018

This earthen dam was built and first surveyed in 1998. This survey will be used as the "benchmark" for all future surveys.

Chart Details

Four monuments were three-dimensionally positioned utilizing GPS Static survey techniques. Because of the layout of the monuments, horizontal comparisons will be shown as differences in the northing and easting, instead of the station and offset method.

Vertical differences are calculated comparing the elevation to the "1998 survey" elevation.

Detailed information pertaining to monument descriptions and survey information can be found at OC Survey Division, Geodetic Control Unit.

All values are shown in U.S. Survey feet.

Agua Chinon Retarding Basin (F18B01) Monitoring Survey

10/1/2018

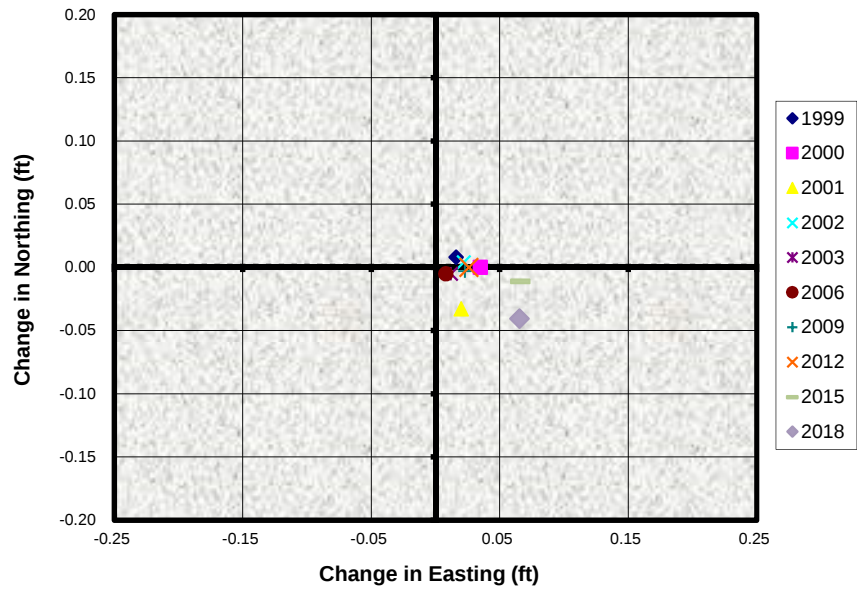
Report Summary

1998 Initial survey performed
1999 No significant movement detected.
2000 No significant movement detected.
2001 No significant movement detected.
2002 No significant movement detected.
2003 No significant movement detected.
2006 No significant movement detected.
2009 No significant movement detected.
2012 No significant movement detected.
2015 No significant movement detected.
2018 All monuments show slight southeast shift which may be due to land deformation between basin and OEOC.
2021
2024

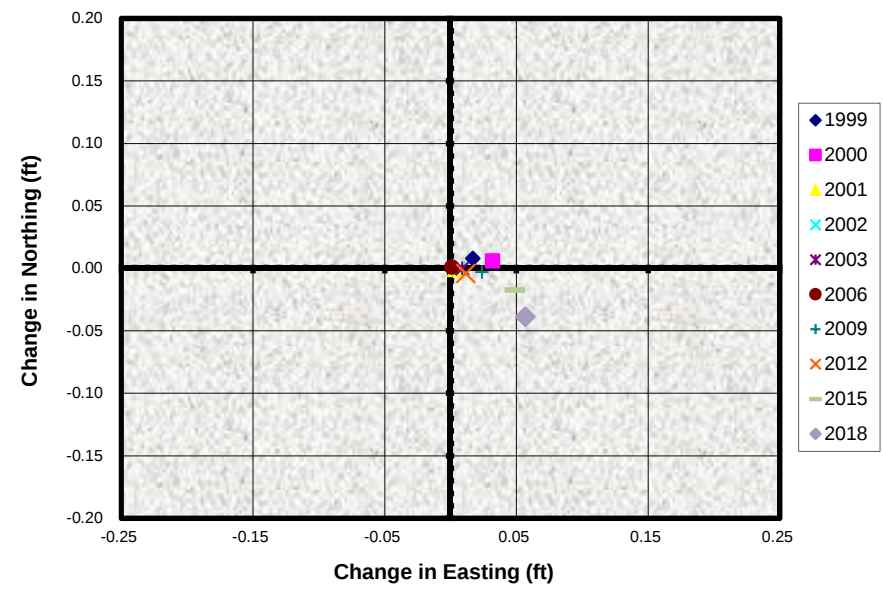
Agua Chinon Dam - (Horizontal)

Horizontal Movement from 1998 Initial Survey

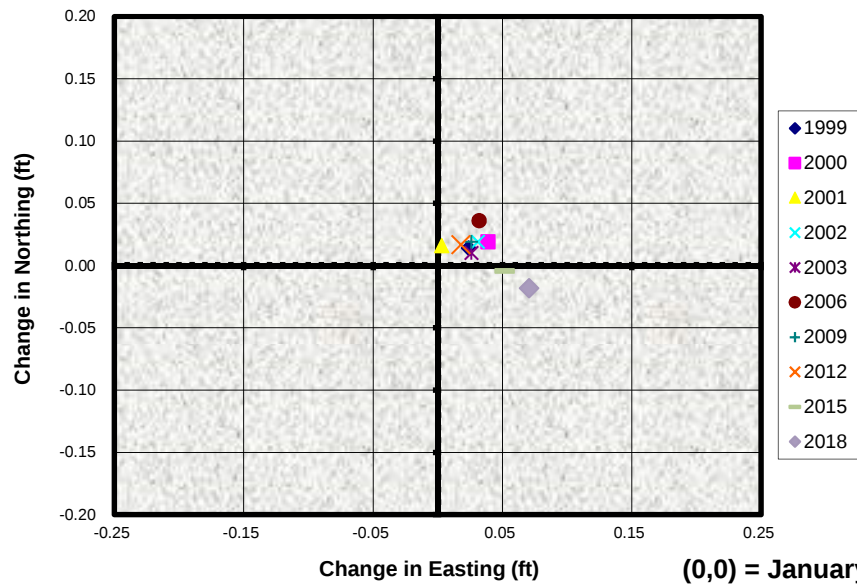
GPS 0980 (14+39)



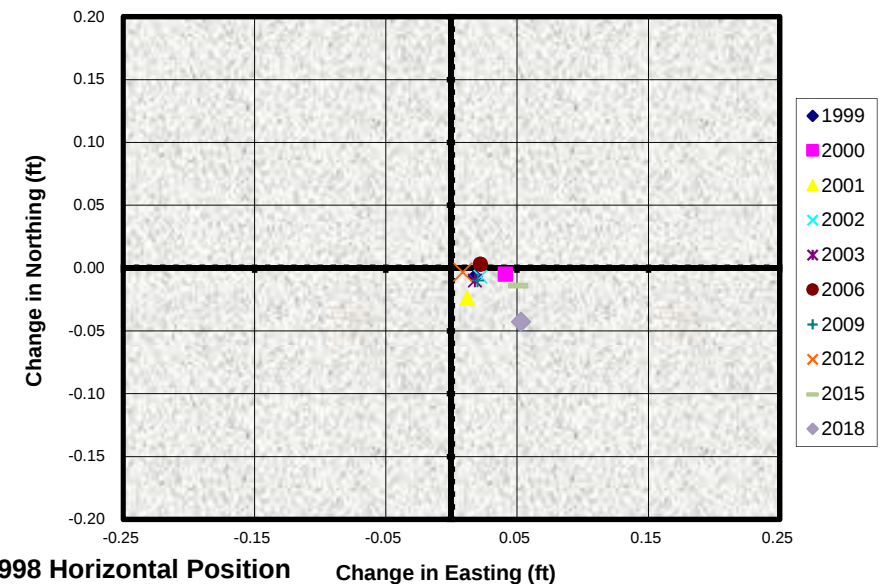
GPS 0981 (12+64)



GPS 0982 (11+46)



GPS 0983 (10+00)



(0,0) = January 1998 Horizontal Position

Agua Chinon Dam
Vertical Movement (Orthometric Height Difference from 1998 Elevations)
Profile View - Looking Upstream

