

Marshburn Retarding Basin (F16B01) Monitoring Survey

Six survey monuments were set along the top of levee in 2001. This survey will be used as the "benchmark" for all future surveys.

Chart Details

Six 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 "2001 survey" elevation.

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

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

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Report Summary

2001 Initial survey performed.

2002 No significant movement detected.

2003 No significant movement detected.

2004 No significant movement detected.

2007 GPS 3779, 3780 & 3781 have moved vertically -0.05' to -0.08' +/- from 2004 survey. GPS #3778 was destroyed.

2010 GPS 3779, 3780 & 3781 have moved vertically -0.02' +/- from 2007 survey.

2013 Set GPS #3766 to replace GPS #3778. No significant movement detected.

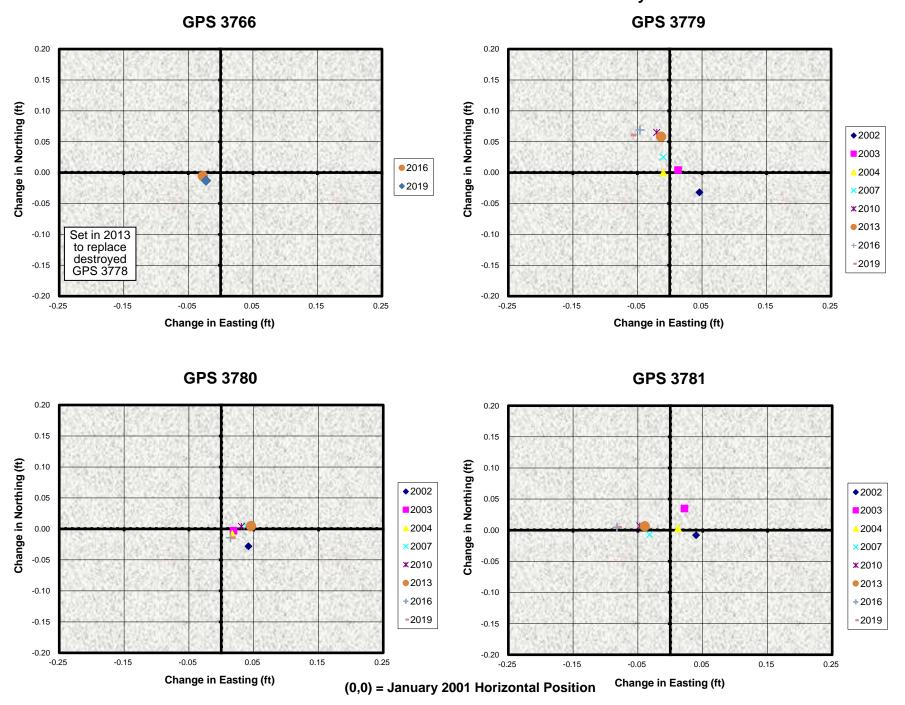
2016 No significant movement detected.

2019 No significant movement detected.

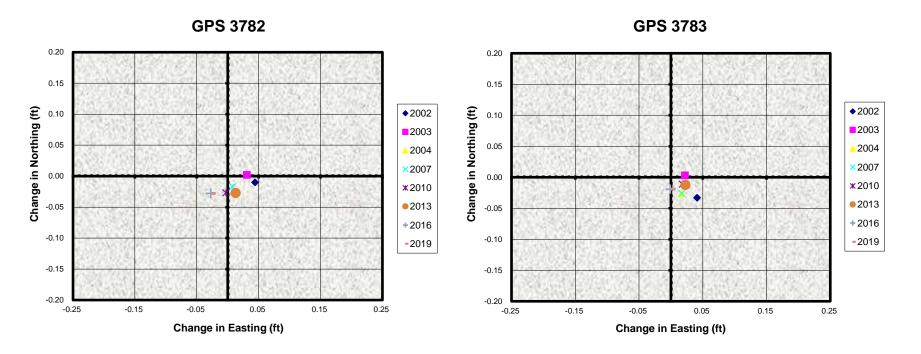
2022

2025

Marshburn Retarding Basin - (Horizontal) Horizontal Movement since 2001 Initial Survey



Marshburn Retarding Basin - (Horizontal) Horizontal Movement since 2001 Initial Survey



Marshburn Retarding Basin Vertical Movement (Orthometric Height Difference from 2001 Elevations)

