

Orchard Estates Retarding Basin (F26B02) Monitoring Survey

Seven 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

Horizontal Movement Perpendicular to Dam Axis - shows all data from each year.

Stations 1+00 and 10+00 are held for Out From Line calculations.

Positive numbers represent stations right of line (upstream), negative numbers represent stations left of line (downstream).

Horizontal Movement Along Dam Axis (difference from planned stationing) - shows all data from each year.

Station 1+00 is held for stationing calculations.

Positive numbers mean that the distances measured to each station are greater than planned stationing, negative number means less than planned stationing.

Vertical Movement - shows all data from each year.

Vertical differences are calculated comparing each 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.

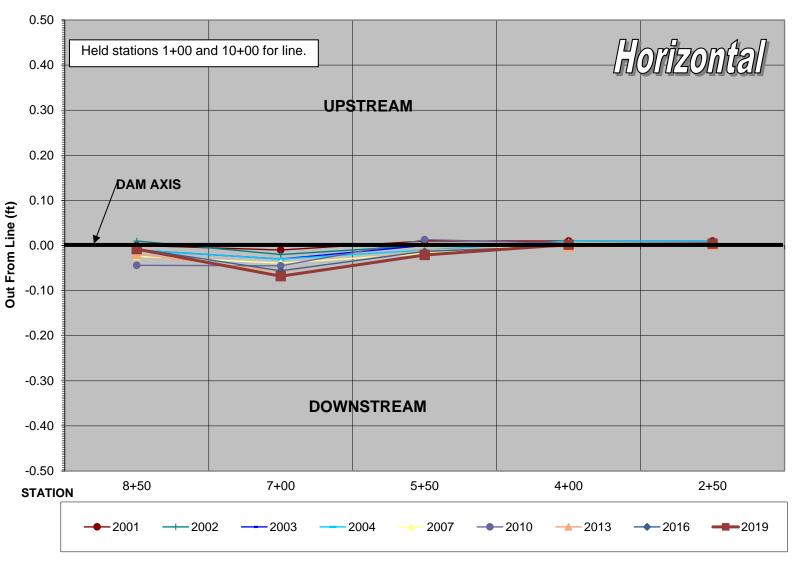
All values are shown in U.S. Survey feet.

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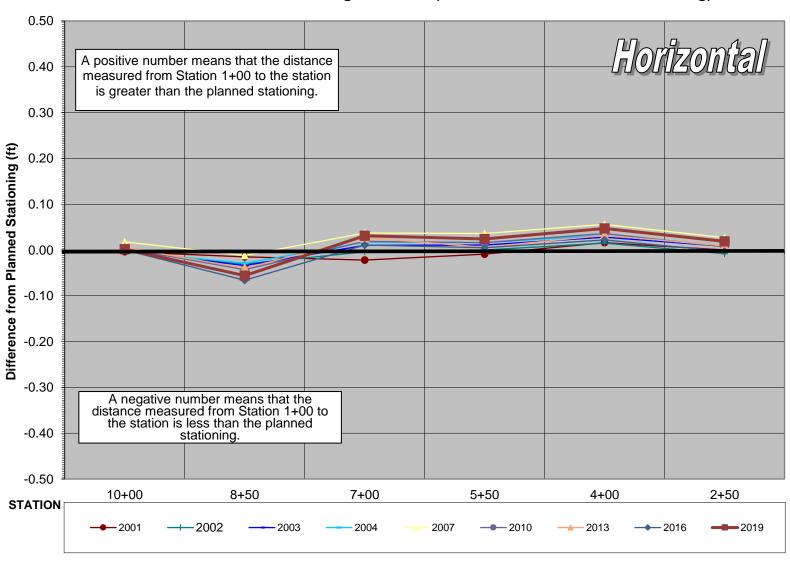
Report Summary

2001	Initial survey performed. Comparisons will begin 2002.
2002	No Significant Movement Detected on dam monitoring points. 2002 height of benchmark "Orchard" located on spillway
	headwall differs by -0.10' than 2001 height.
2003	Stations 7+00 and 8+50 show gradual settling.
2004	No Significant Movement Detected.
2007	No Significant Movement Detected.
2010	No Significant Movement Detected.
2013	Station 7+00 shows slight horizontal movement downstream. Stations 7+00 and 8+00 show continual vertical settling.
2016	Stations 7+00 and 8+00 show continual vertical settling.
2019	No Significant Movement Detected.
2022	
2015	

Ochard Estates Retarding Basin Horizontal Movement Perpendicular to Dam Axis (Out From Line) - Plan View



Orchard Estates Retarding Basin Horizontal Movement Along Dam Axis (Difference from Planned Stationing)



Orchard Estates Retarding Basin
Vertical Movement (Difference from 2001 Elevations) - Profile View - Looking Upstream

