

# East Hicks Canyon Retarding Basin

Monitoring Survey

## Legend

- Benchmarks
- ▲ Control Stations
- Monitoring Stations

0088 (1+00) EAST-HICKS-6-97 1+50 2+00 2+50 3+00 3+50 4+00 0089 (4+50)

Google earth

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300 ft



## **East Hicks Canyon Retarding Basin (F27B02) Monitoring Survey**

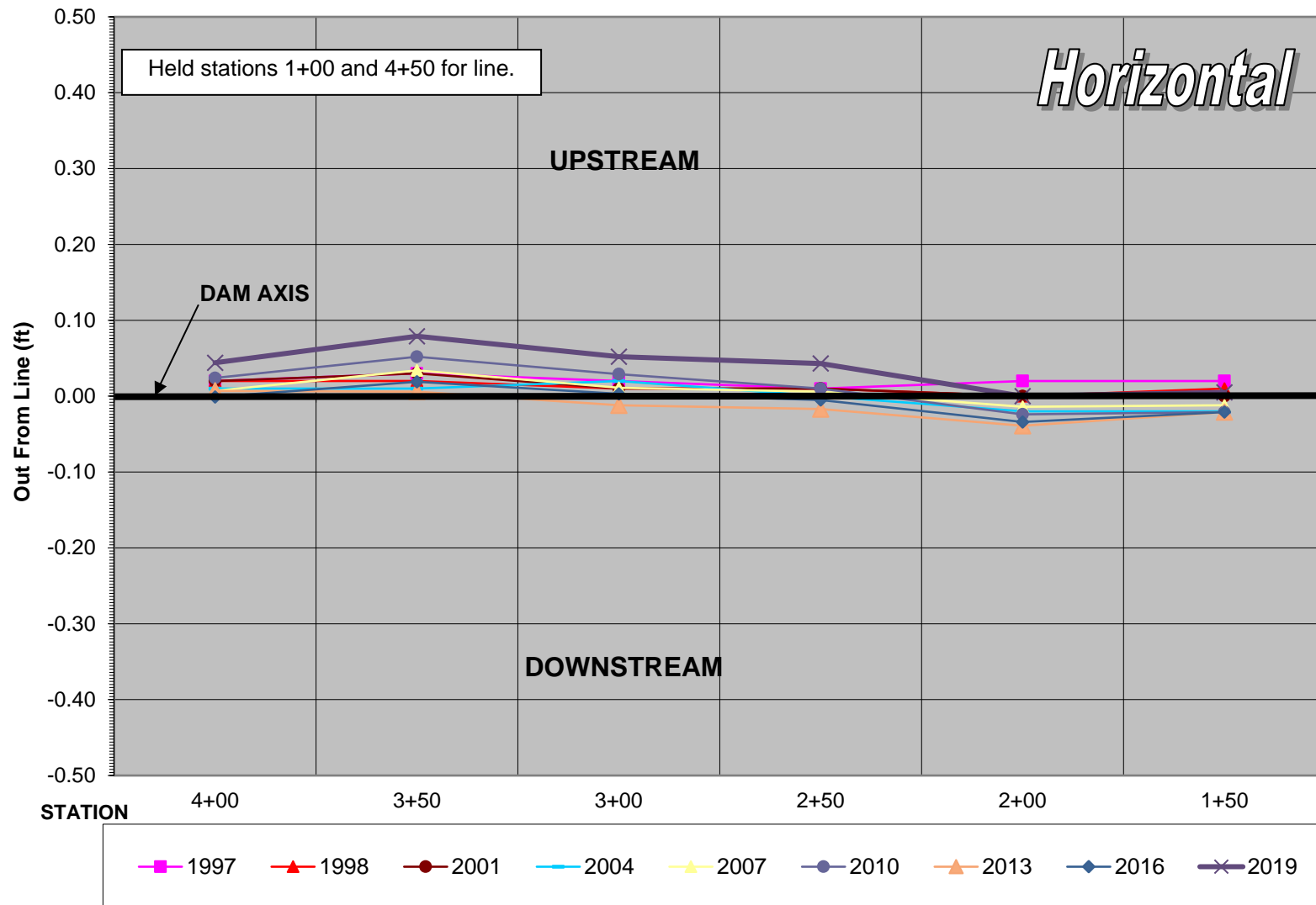
### **Report Summary**

<b>1997</b>	Initial survey performed.
<b>1998</b>	Most stations show subsidence with an average of 0.02 feet. This could be due to settlement of the dam. Horizontal positions seem stable. Construction has been continual for the last two years for the Eastern Transportation Corridor which abuts up against the downstream side of the dam.
<b>2001</b>	No significant movement detected.
<b>2004</b>	Nov-2003, The lids have been scraped off and the last monument may have been disturbed. No significant movement detected.
<b>2007</b>	Elevations appear to have a systematic difference of +0.03'. No horizontal significant movement detected.
<b>2010</b>	No significant movement detected.
<b>2013</b>	All well lids are missing and well monuments appear to have been disturbed from heavy equipment scrapping the asphalt surface. Monuments appear stable horizontally but 3+00 has sank 0.05'.
<b>2016</b>	No significant movement detected. The 3+00 comment in 2013 appears to be an error.
<b>2019</b>	No significant movement detected.
<b>2022</b>	
<b>2025</b>	

Horizontal Datum = CCS83, zone VI, 1991.35 Epoch Adjustment

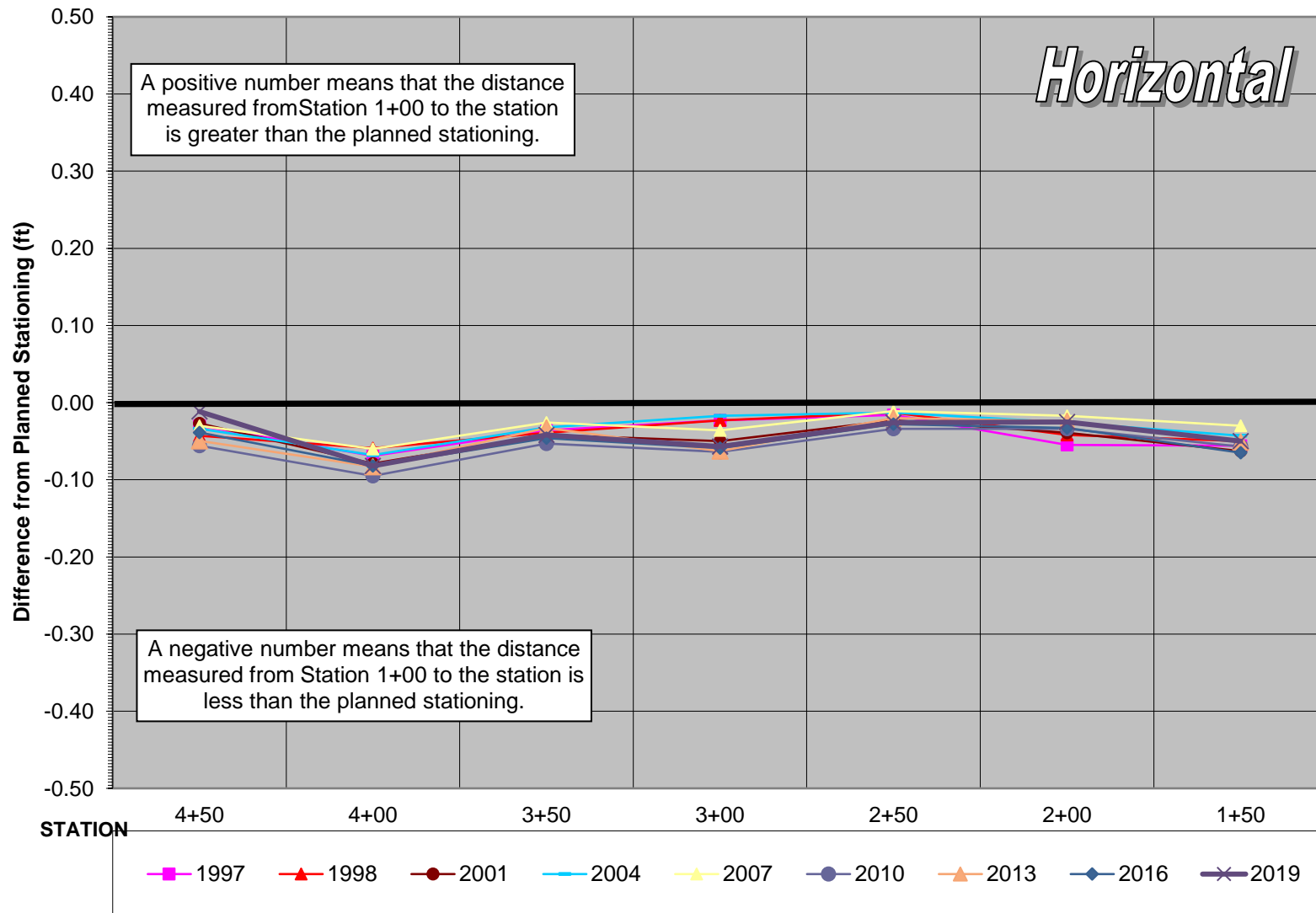
Vertical Datum = NAVD88, OCS 1995 Adjustment

**East Hicks Canyon Dam**  
**Horizontal Movement Perpendicular to Dam Axis (Out From Line) - Plan View**



# East Hicks Canyon Dam

## Horizontal Movement Along Dam Axis (Difference from Planned Stationing)



**East Hicks Canyon Dam**  
**Vertical Movement (Difference from 1997 Elevations) - Profile View - Looking Upstream**

