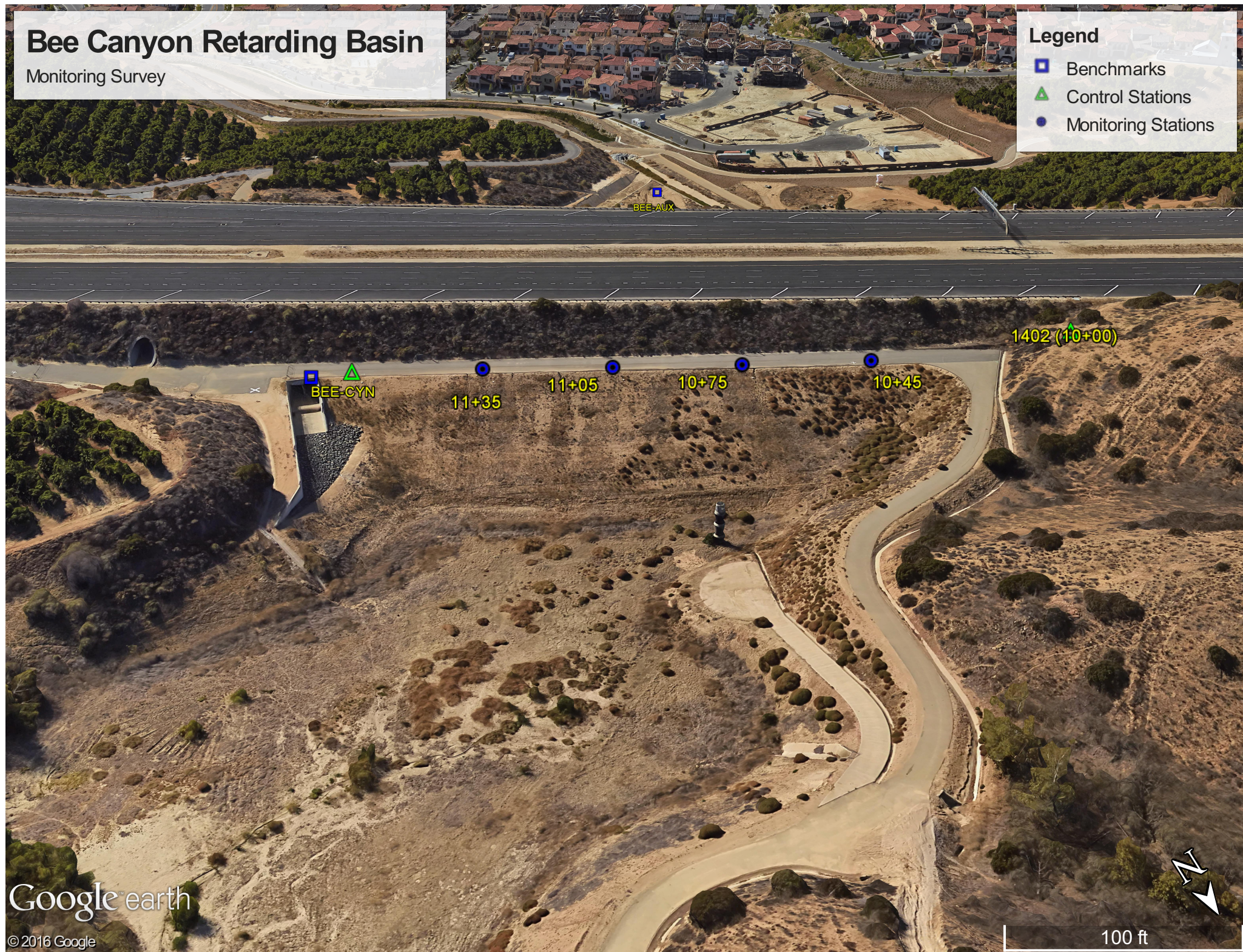


Bee Canyon Retarding Basin

Monitoring Survey

Legend

- Benchmarks
- ▲ Control Stations
- Monitoring Stations



Bee Canyon Retarding Basin (F16B02) Monitoring Survey

This earthen dam was built in 1995. The first surveyed was performed in 1995 and is used as the "benchmark" for all future surveys.

Chart Details

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

Stations 10+00 and 11+65 are held for ***Out From Line*** calculations.

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

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

Station 10+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 the elevation to the "1995 survey" elevation.

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

All values shown are in U.S. Survey feet. Station names are in meters.

Horizontal Datum = CCS83, zone VI, 1991.35 Epoch Adjustment

Vertical Datum = NAVD88, OCS 1995 Adjustment

Bee Canyon Retarding Basin (F16B02) Monitoring Survey

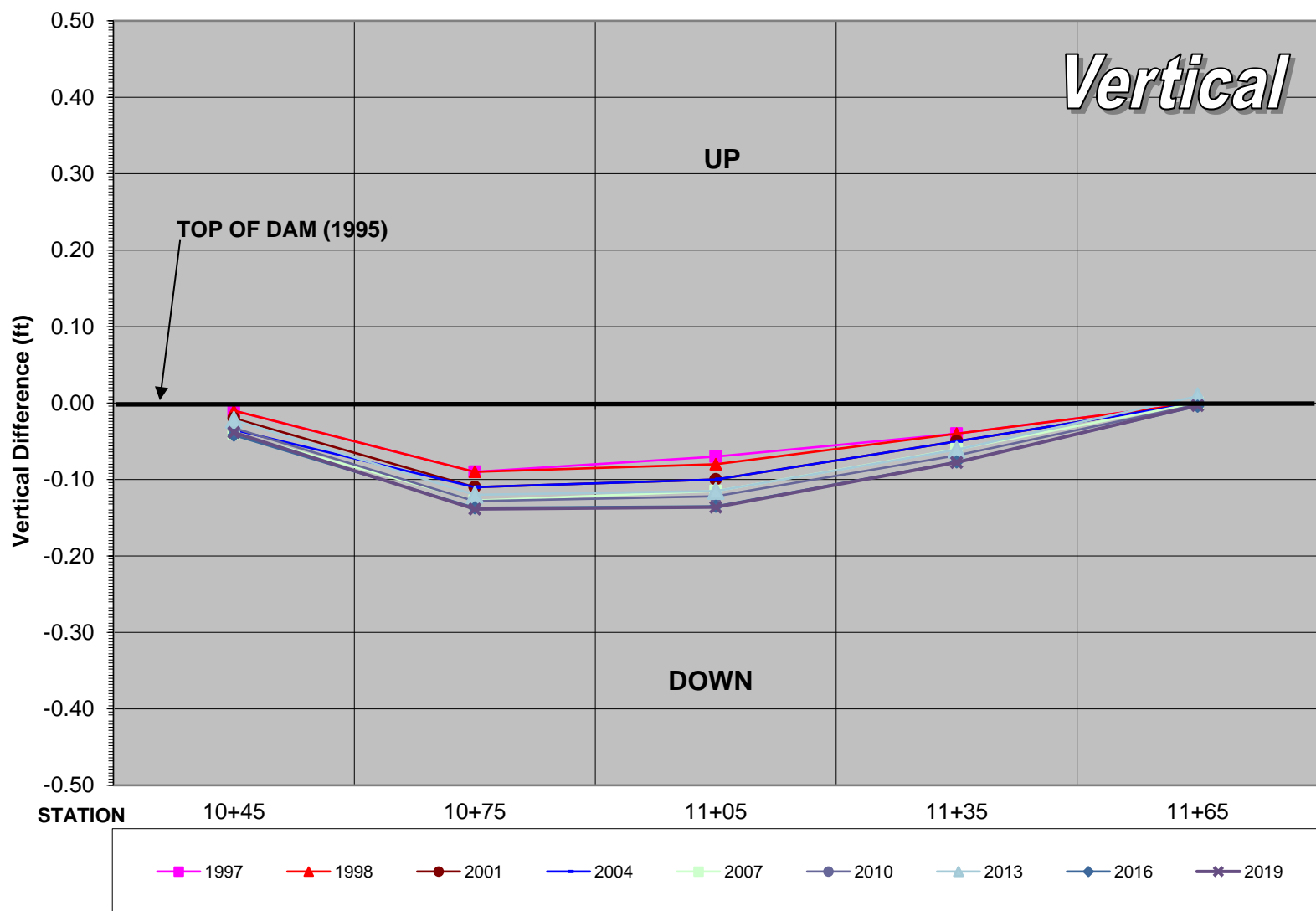
Report Summary

1995	Initial survey performed
1996	No survey performed
1997	Stations 10+75 and 11+05 subside approximately 0.07 feet. 11+35 subsides 0.04 feet. This could be due to settlement of the dam.
1998	Elevations for stations 10+75, 11+05, and 11+35 agree with the 1997 elevations within 0.01 ft. The 1997 movement seems to have stopped which was probably due to settlement of the earthen dam. Construction has been continual for the last two years for the Foothill Transportation Corridor which abutts up against the downstream side of the dam.
2001	No significant movement detected. Vertical subsidence trend continues.
2004	No significant movement detected.
2007	No significant movement detected.
2010	No significant movement detected. Corrected data errors discovered in the "Horizontal Movement Perpendicular to Dam Axis" for 2007.
2013	No significant movement detected.
2016	No significant movement detected.
2019	No significant movement detected.
2022	
2025	

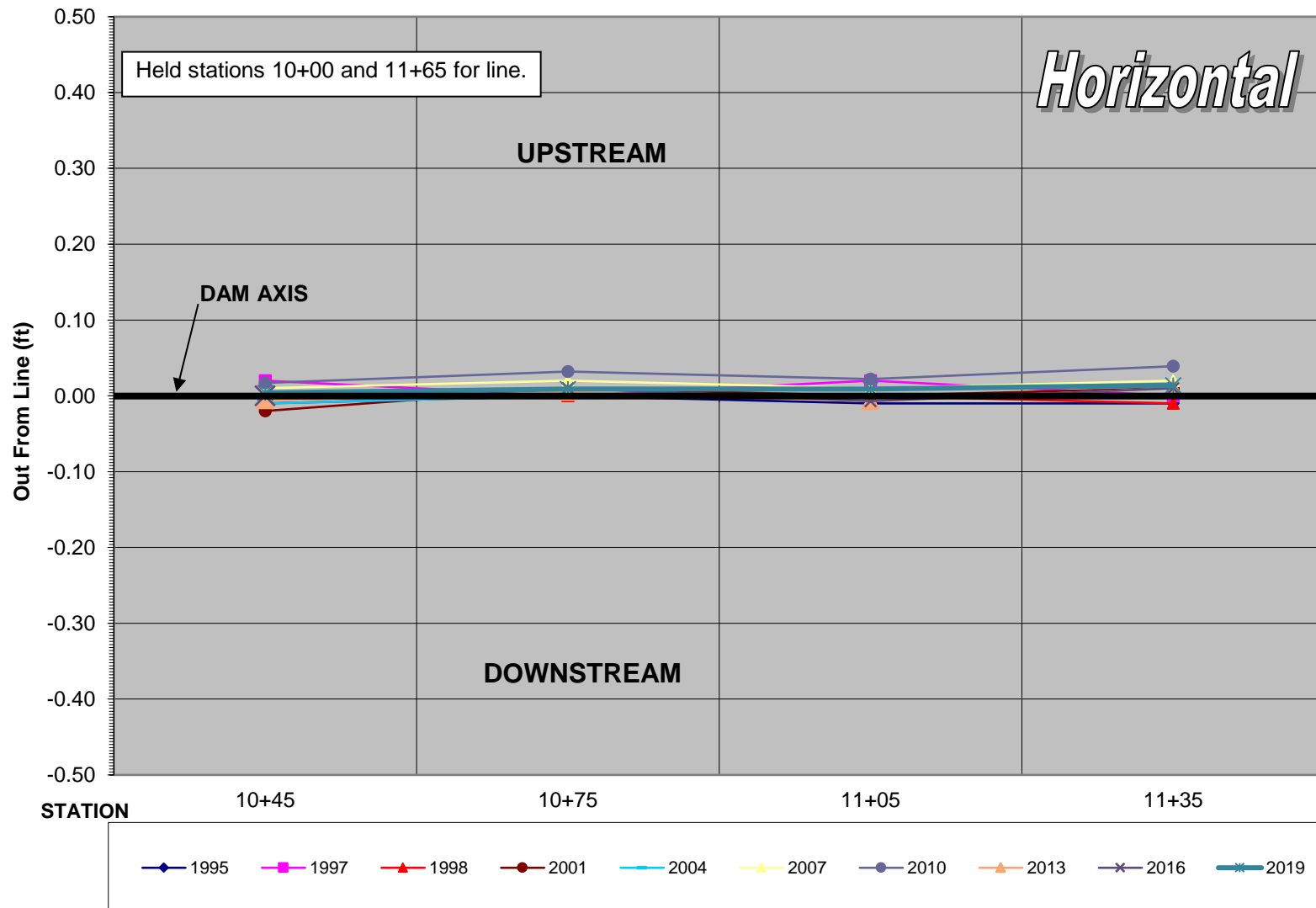
Horizontal Datum = CCS83, zone VI, 1991.35 Epoch Adjustment

Vertical Datum = NAVD88, OCS 1995 Adjustment

Bee Canyon Dam
Vertical Movement (Difference from 1995 Elevations) - Profile View - Looking Upstream



Bee Canyon Dam
Horizontal Movement Perpendicular to Dam Axis (Out From Line) - Plan View



Bee Canyon Dam

Horizontal Movement Along Dam Axis (Difference from Planned Stationing)

