

# Peters Canyon Dam

Monitoring Survey

## Legend

- Benchmarks
- ▲ Control Stations
- Monitoring Stations





## **Peters Canyon Dam (F06D01) Monitoring Survey**

This earthen dam was built in 1932. The first surveyed was performed in 1996 and is used as the "benchmark" for all future surveys.

### **Chart Details**

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

Control points # 1 and # 2 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.**

Control point # 1 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 "1996 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. Station name is shown in meters.

**Horizontal Datum = CCS83, zone VI, 1991.35 Epoch Adjustment**

**Vertical Datum = NAVD88, OCS 1995 Adjustment**

## **Peters Canyon Dam (F06D01) Monitoring Survey**

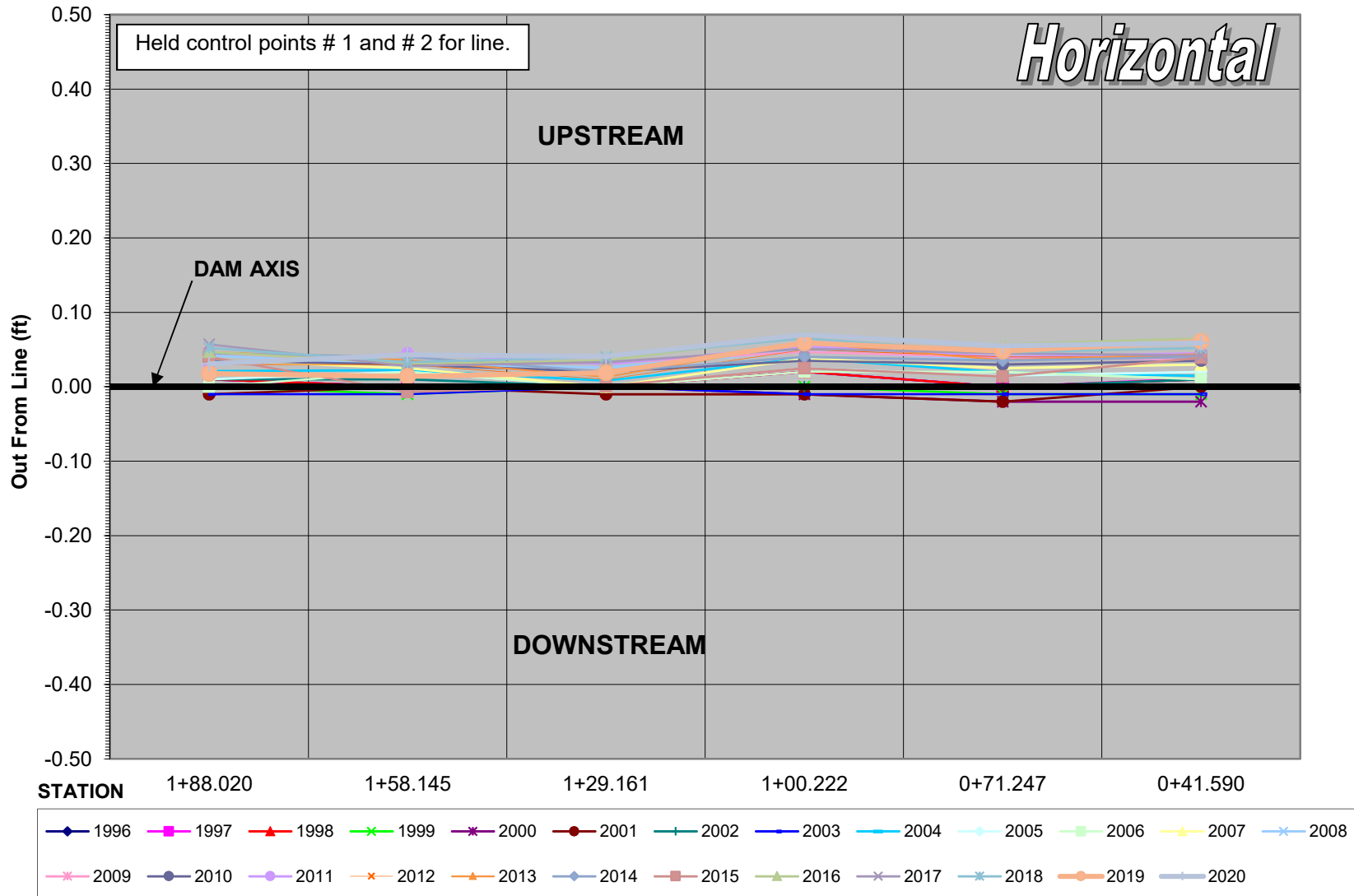
### **Report Summary**

<b>1996</b>	Initial survey performed
<b>1997</b>	No significant movement detected, all monuments appear stable.
<b>1998</b>	No significant movement detected, all monuments appear stable.
<b>1999</b>	No significant movement detected, all monuments appear stable.
<b>2000</b>	No significant movement detected, all monuments appear stable.
<b>2001</b>	No significant movement detected, all monuments appear stable.
<b>2002</b>	No significant movement detected, all monuments appear stable.
<b>2003</b>	No significant movement detected, all monuments appear stable.
<b>2004</b>	No significant movement detected, all monuments appear stable.
<b>2005</b>	No significant movement detected, all monuments appear stable.
<b>2006</b>	No significant movement detected, all monuments appear stable.
<b>2007</b>	No significant movement detected, all monuments appear stable.
<b>2008</b>	No significant movement detected, all monuments appear stable.
<b>2009</b>	No significant movement detected, all monuments appear stable.
<b>2010</b>	No significant movement detected, all monuments appear stable.
<b>2011</b>	No significant movement detected, all monuments appear stable.
<b>2012</b>	No significant movement detected, all monuments appear stable.
<b>2013</b>	No significant movement detected, all monuments appear stable.
<b>2014</b>	No significant movement detected, all monuments appear stable.
<b>2015</b>	No significant movement detected, all monuments appear stable.
<b>2016</b>	Questionable data seen on "Difference From Stationing" chart. Possibly due to instrument not setup on #1595 correctly.
<b>2017</b>	No significant movement detected, all monuments appear stable.
<b>2018</b>	No significant movement detected, all monuments appear stable.
<b>2019</b>	No significant movement detected, all monuments appear stable.
<b>2020</b>	No significant movement detected, all monuments appear stable.

**Horizontal Datum = CCS83, zone VI, 1991.35 Epoch Adjustment**

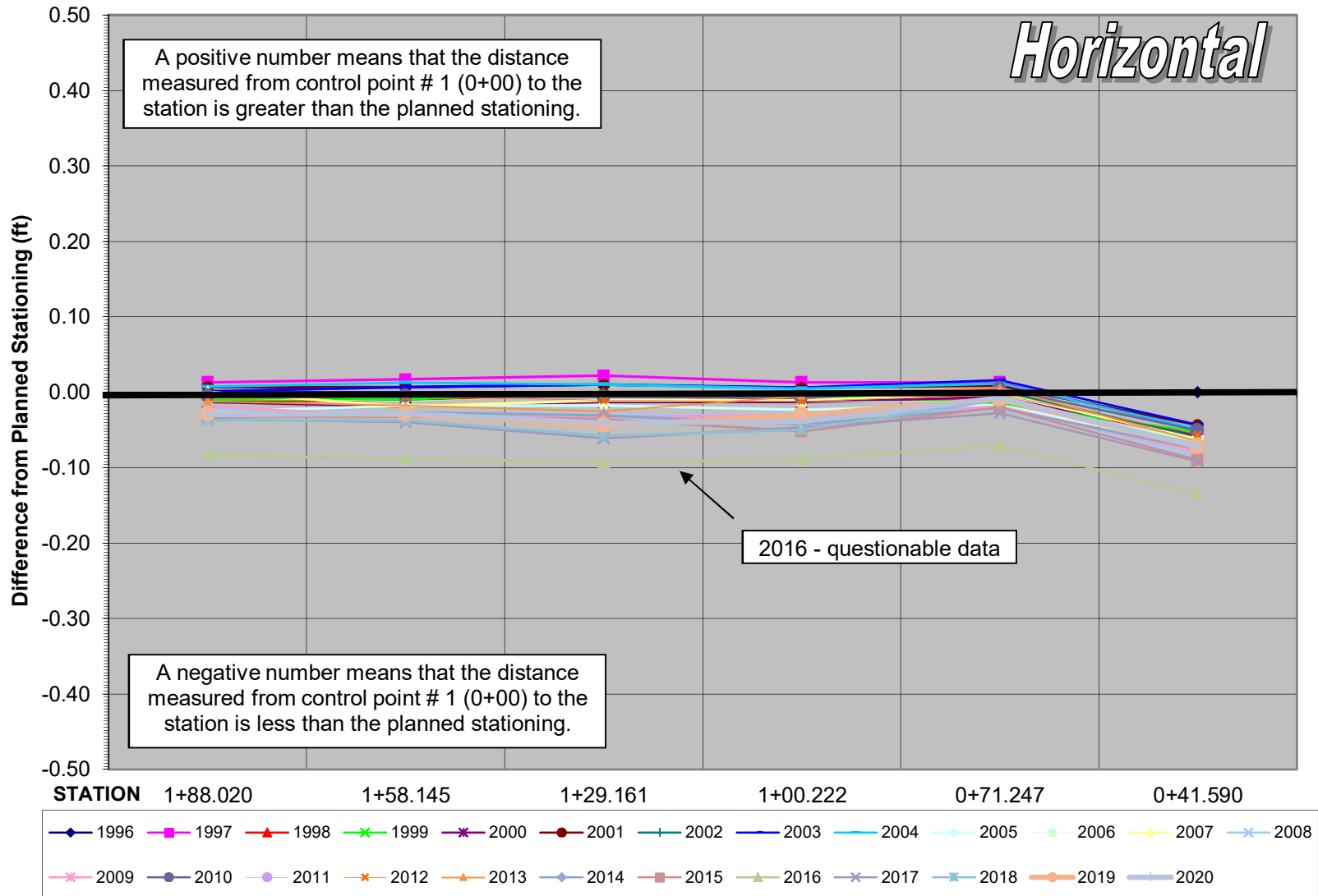
**Vertical Datum = NAVD88, OCS 1995 Adjustment**

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





# Horizontal



**Peters Canyon Dam**  
**Vertical Movement (Difference from 1996 Elevations) - Profile View - *Looking Upstream***

