

Long Valley Hydrologic Advisory Committee Hydrologic Monitoring Data



Unpublished provisional U.S. Geological Survey Data
up to July 2016
Submitted by J.F. Howle and Kevin Bazar
Prepared July 26, 2016

LIST OF DATA

GROUND-WATER LEVELS

Daily Mean Water Levels

Hydrograph for well CH-10B 1985 through mid-July 2016.
Hydrograph for well LV-19 from late 2009 through mid-July 2016.
Hydrograph for wells SC1 and SC2 from December 2005 to mid-July 2016.
Hydrograph for wells SC1 and SC2 from September 2014 to mid-July 2016.

Wells 14-25A_01 (Deep) and _02 (Shallow) from Jan 2016 to mid-July 2016.
Wells 28-25A_01 (Deep) and _02(Shallow) from Jan 2016 to mid-July 2016.

GROUND-WATER TEMPERATURE PROFILES

Well 14-25A_01 (Deep) Sept 2015, Feb 2016, and May 2016.
Well 28-25A_01 (Deep) Sept 2015, Feb 2016, and May 2016.

FISH HATCHERY DATA – 1988 to July 2016

Measured Values for sites FHAB, FHCD, FH23

Discharge – Daily mean values through mid-July 2016.
Water temperature – Daily mean values through mid- July 2016.

Calculated Values through April 2016

Thermal water discharge estimate – AB and CD
Thermal water as percent – AB and CD
Total and thermal water discharge -- AB and CD combined

HOT CREEK DATA

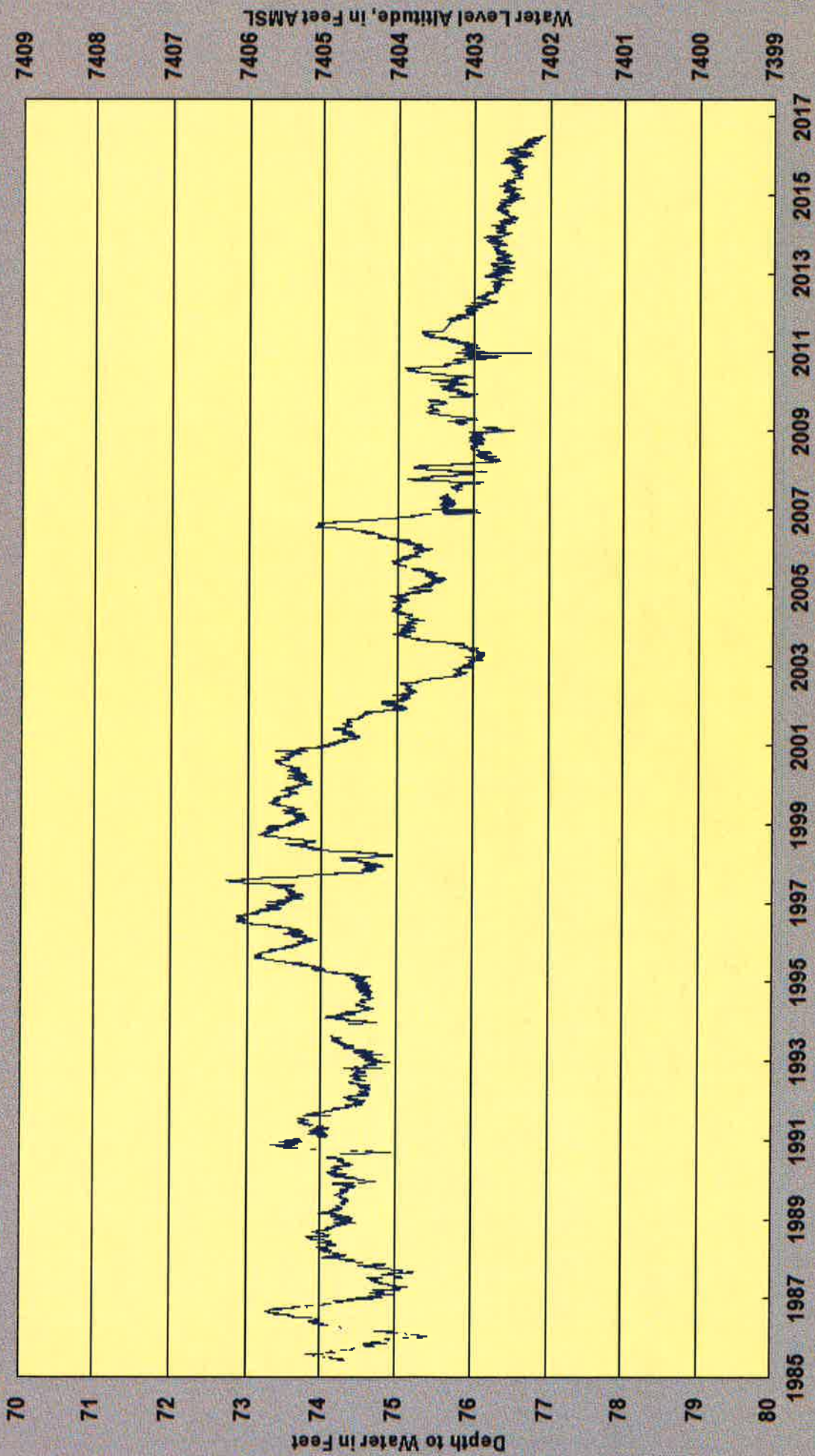
Hot Creek Flume - daily mean discharge 1983 through mid-July 2016.
Graph of estimated thermal water discharge 1988 through April 2016.

PRECIPITATION

Monthly Precipitation measured at Mammoth Ranger Station 1982 through June 2016.

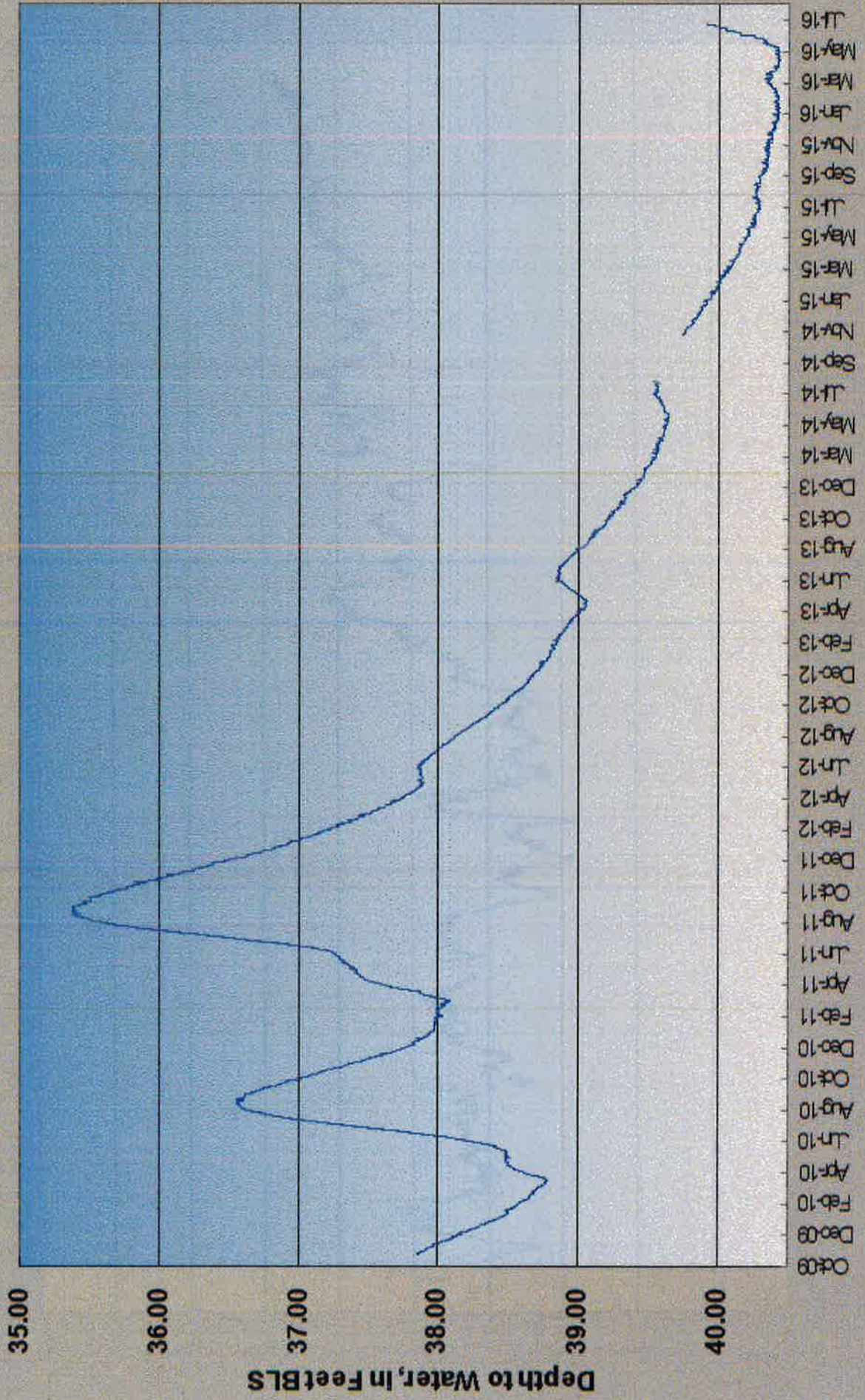
Cover Image: Sunset on high Sierra peaks south of Long Valley caldera. Photo by Kevin Bazar.

Well CH-10B

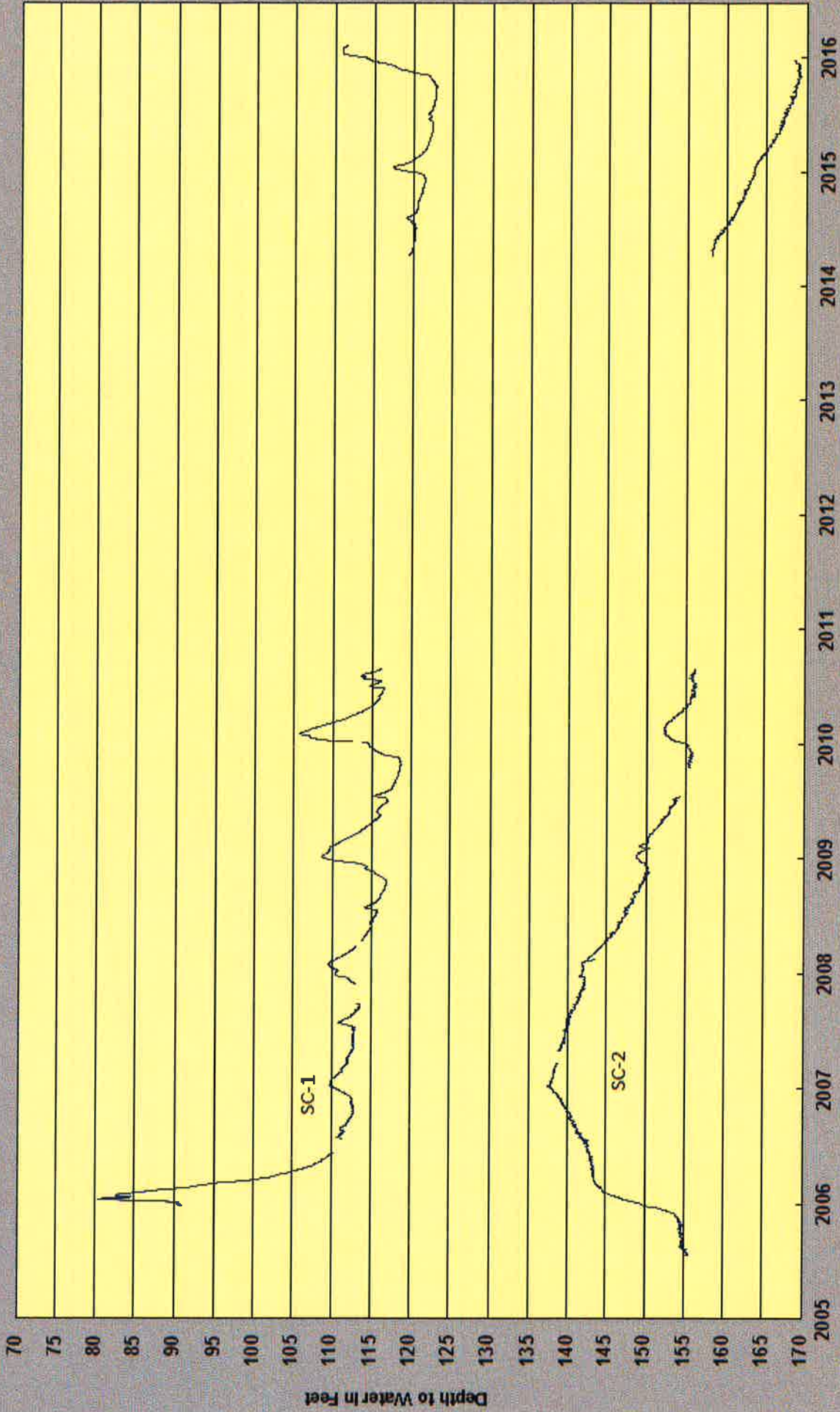


Well LV-19 near Doe Ridge

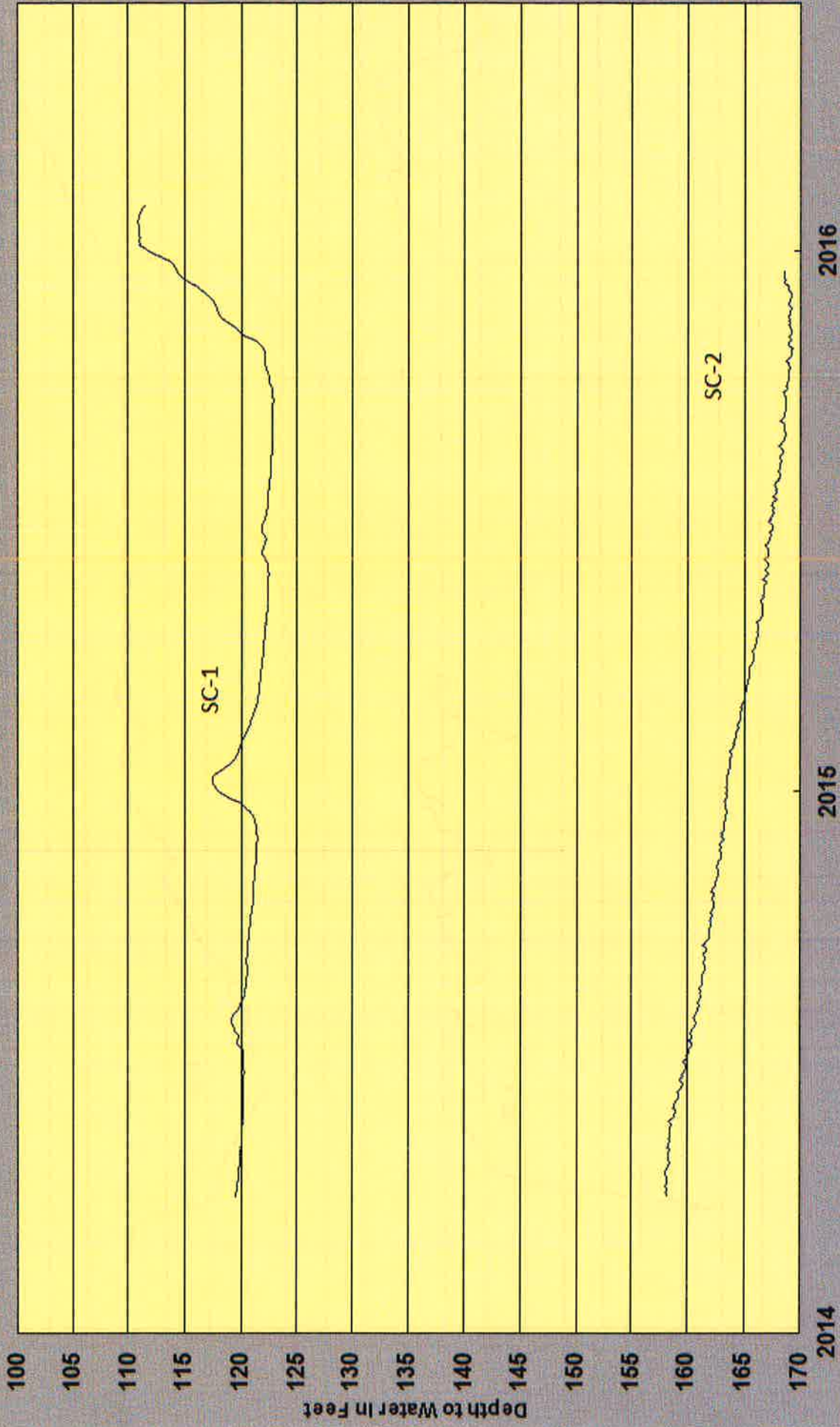
Daily Values



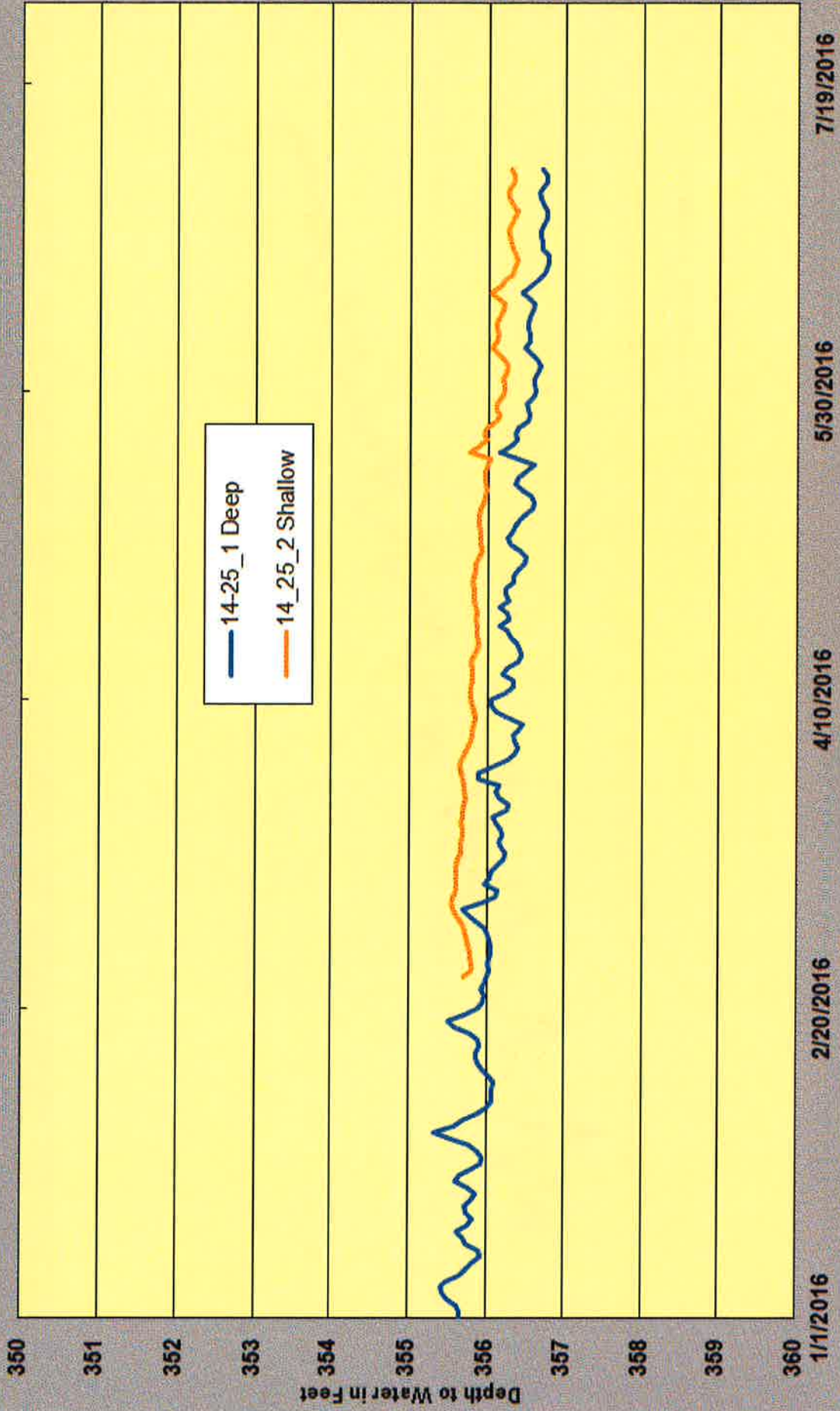
Wells SC-1 and SC2 Daily Values



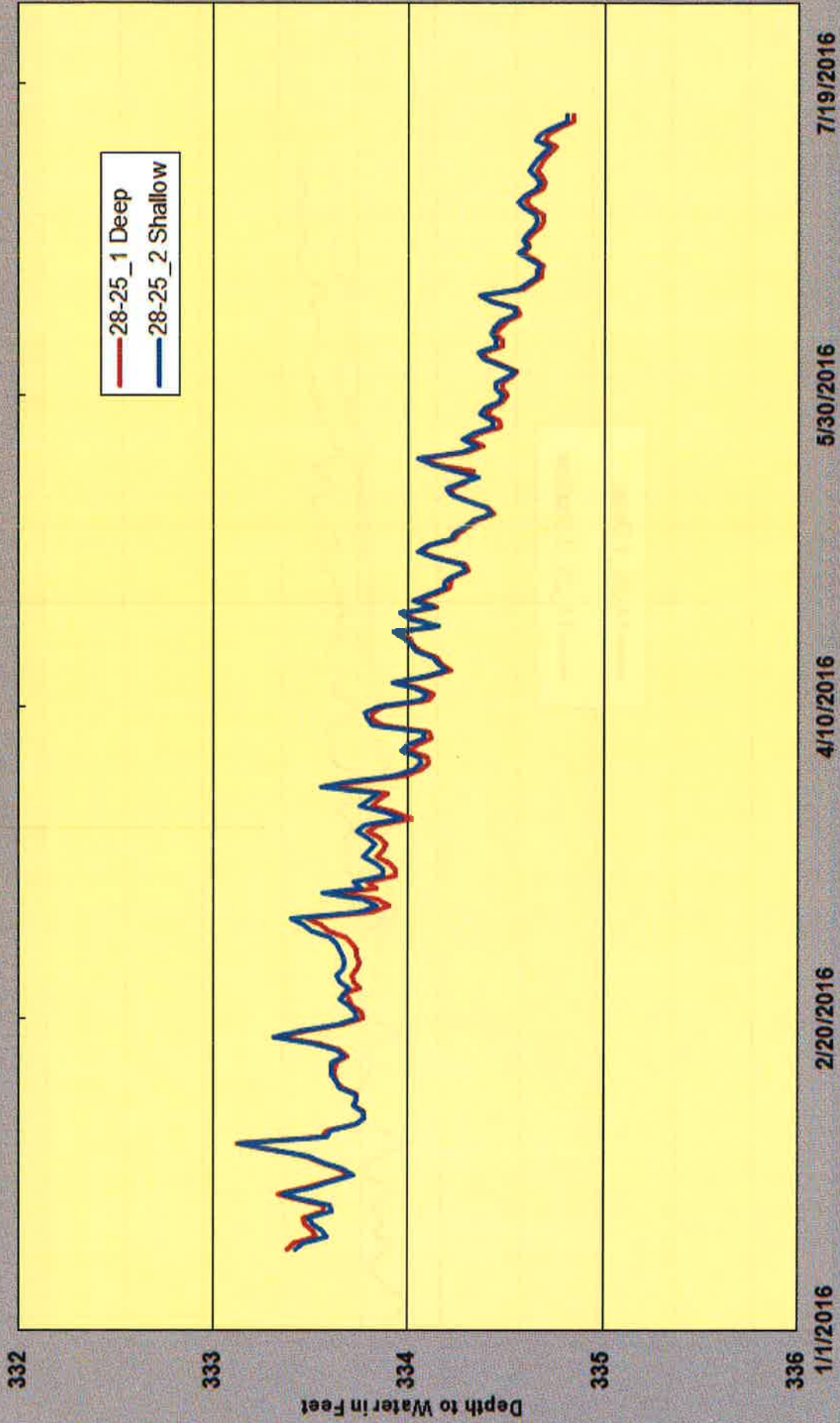
Wells SC-1 and SC2 Daily Values



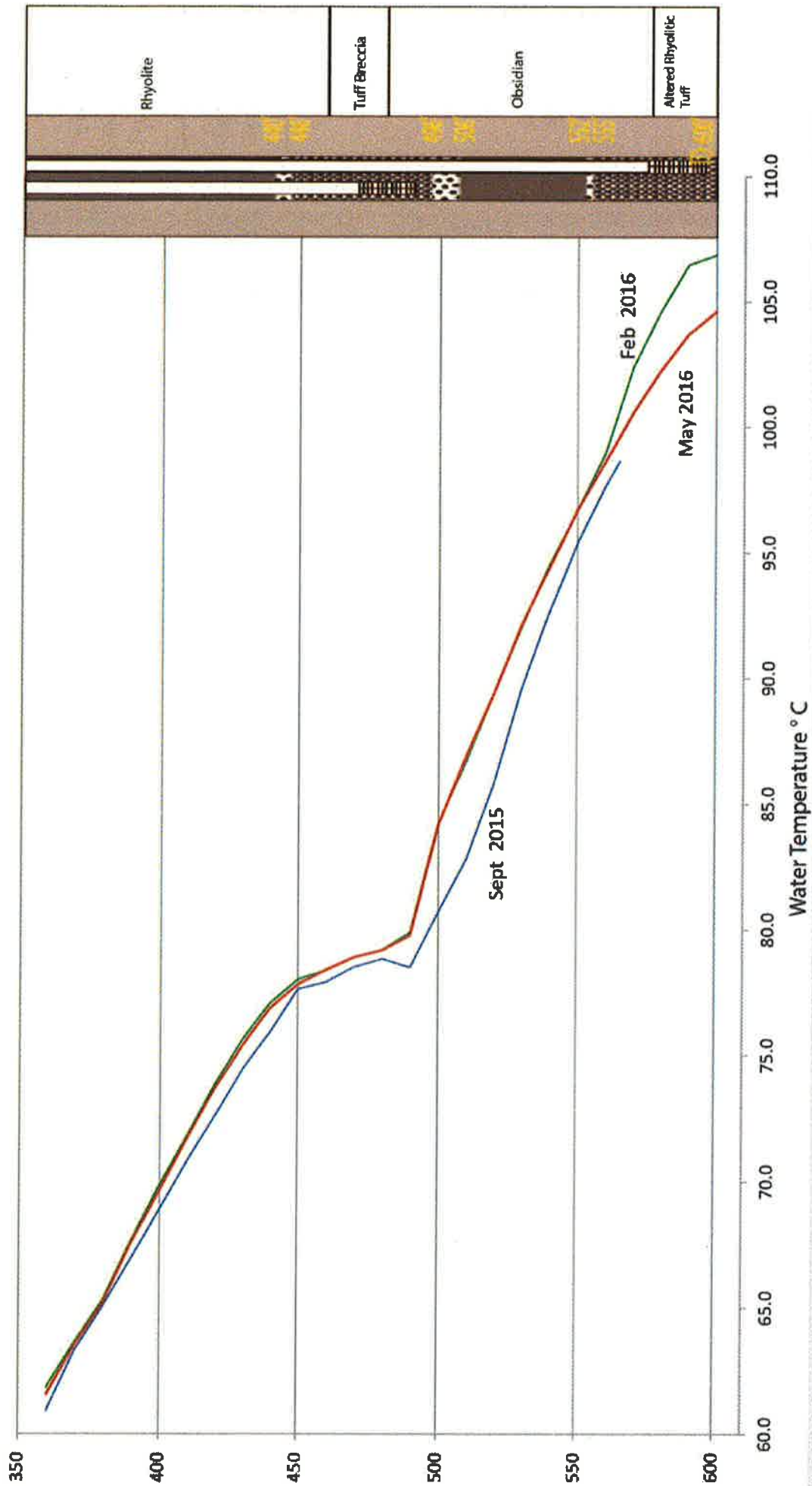
Wells 14-25_1 and 14-25_2 Daily Values



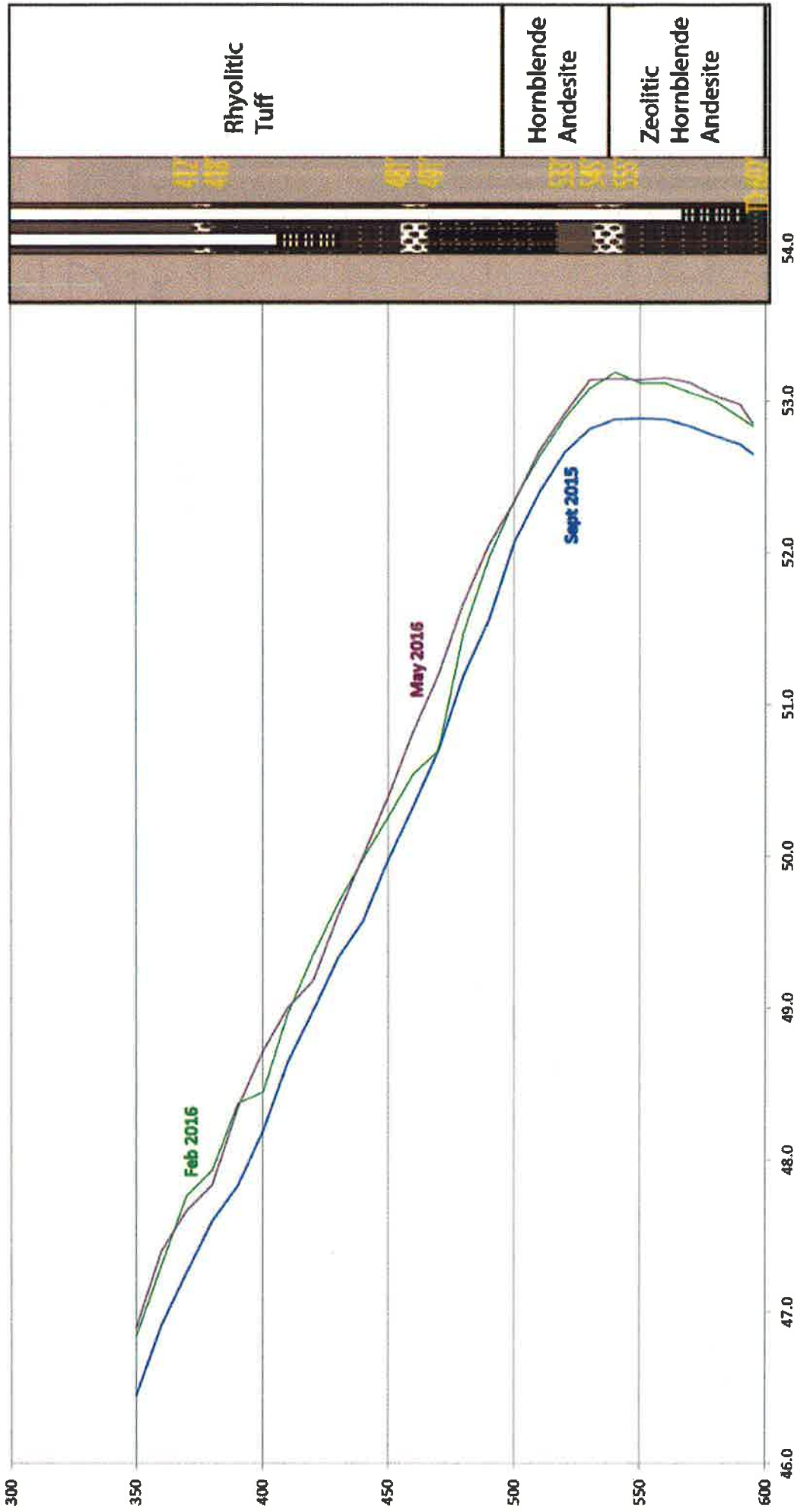
Wells 28-25_1 and 28-25_2 Daily Values



14-25A_1 Temperature Profile



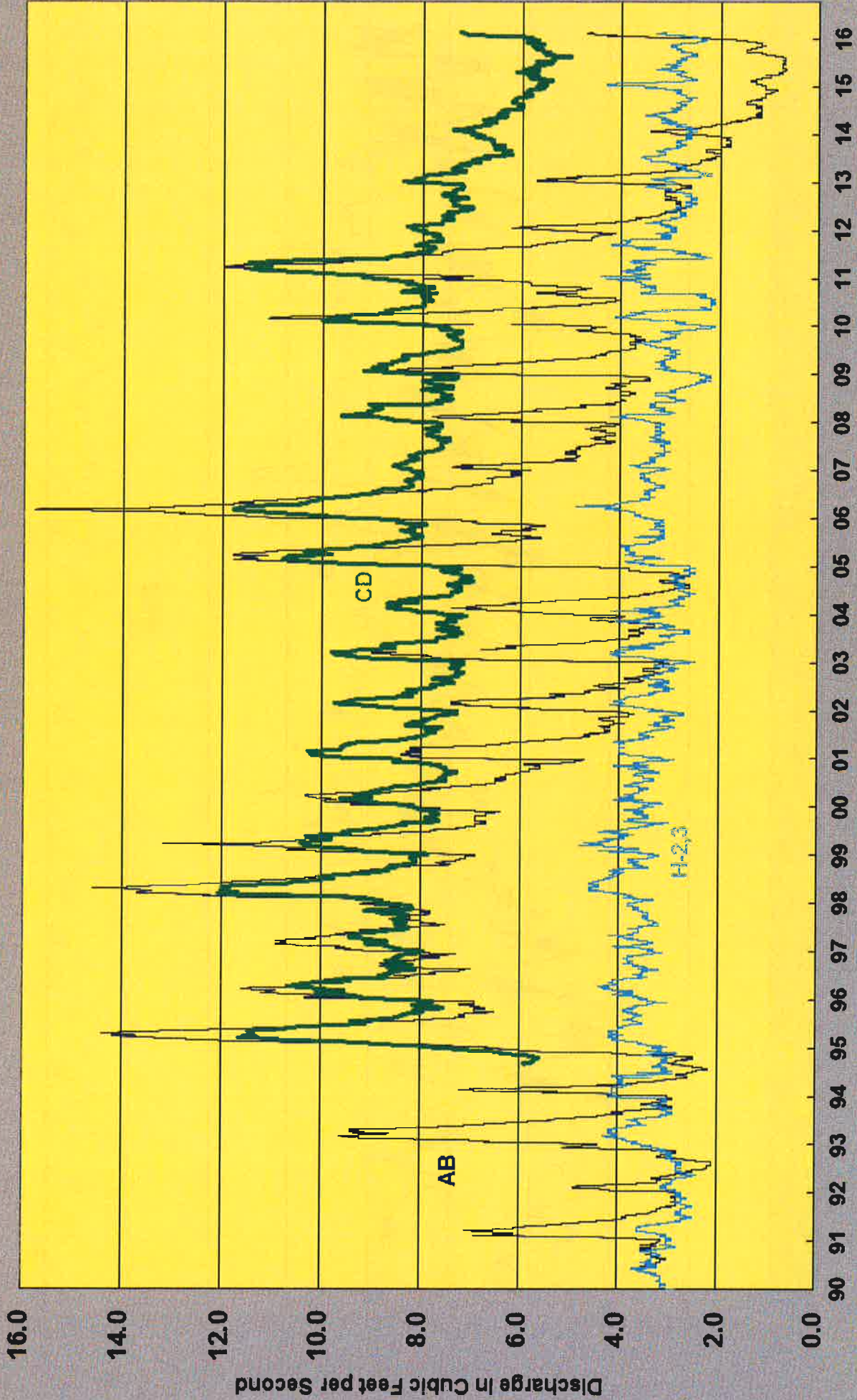
28-25A_1 Temperature Profile



Water Temperature °C

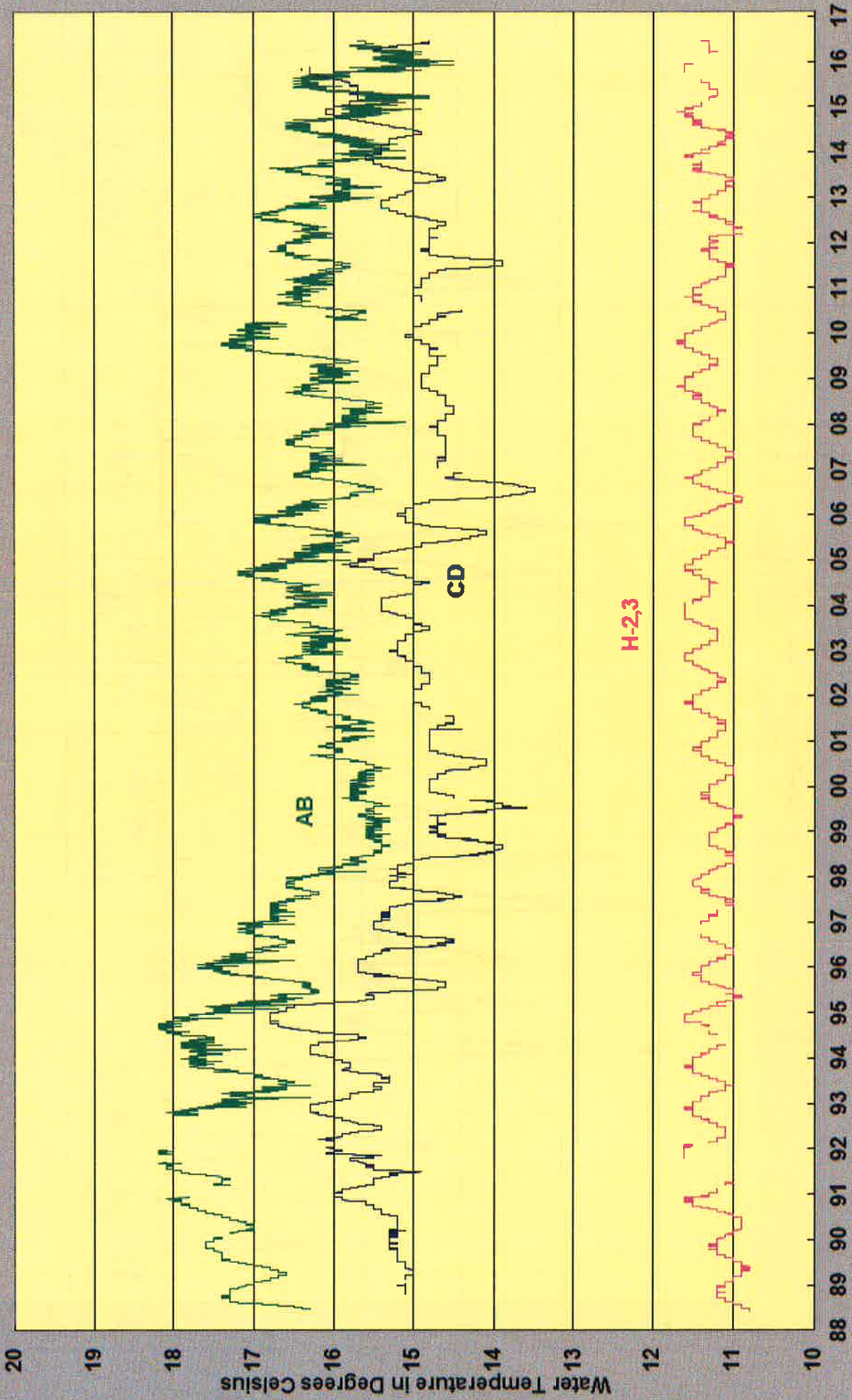
Fish Hatchery Springs Discharge

Daily Mean Flows

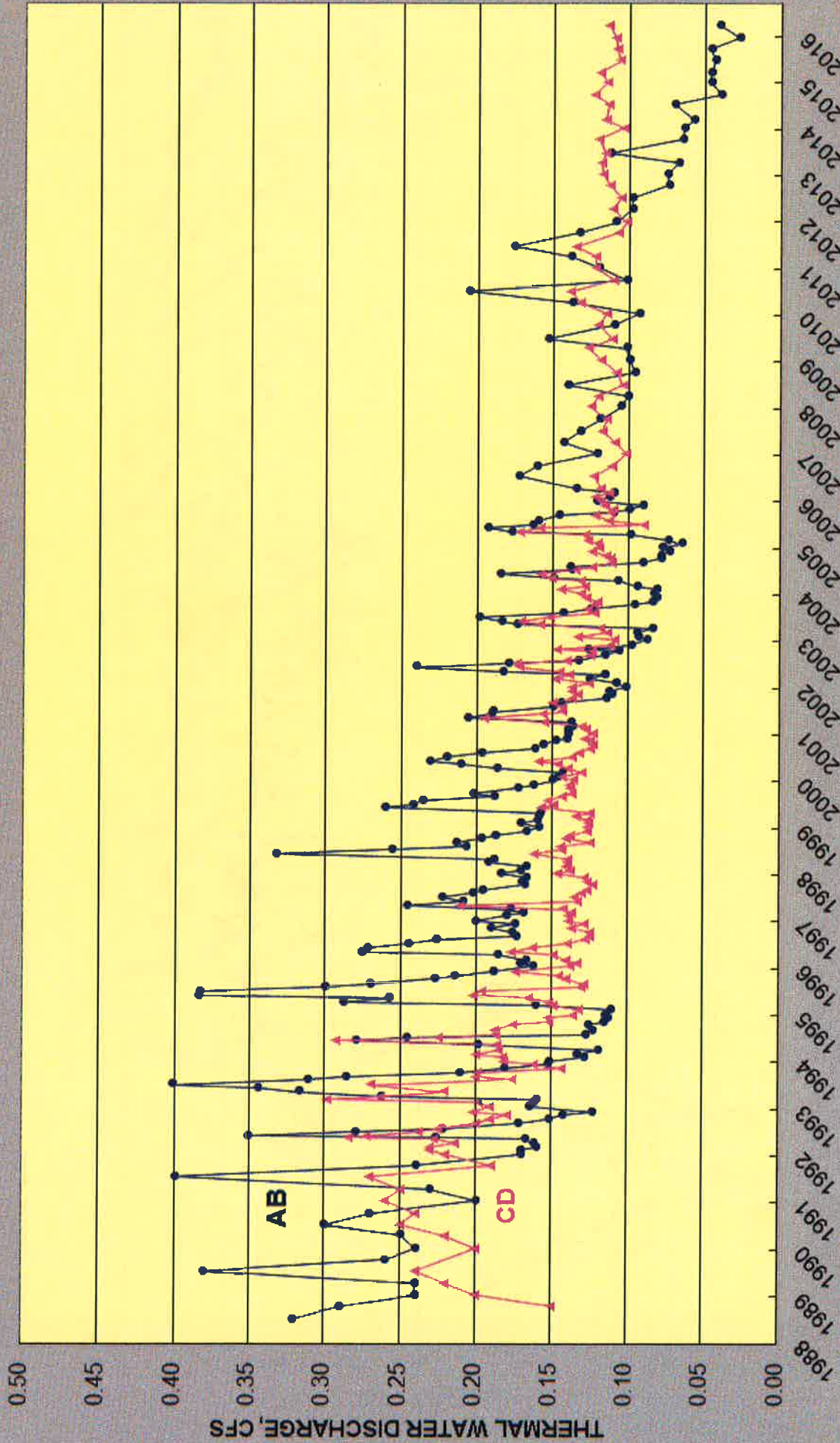


Fish Hatchery Springs Water Temperatures

Daily Mean Temperatures



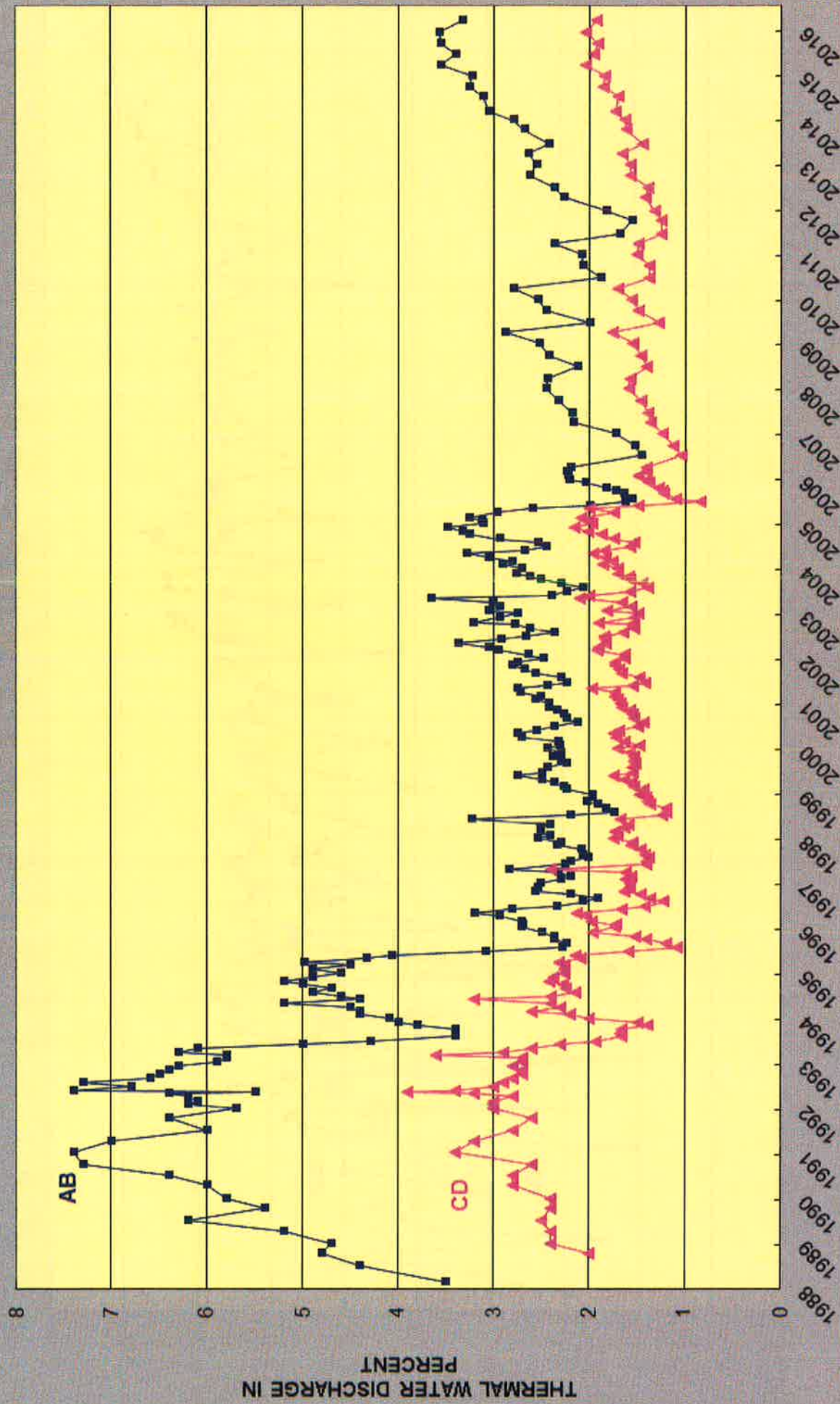
FISH HATCHERY SPRINGS AB and CD



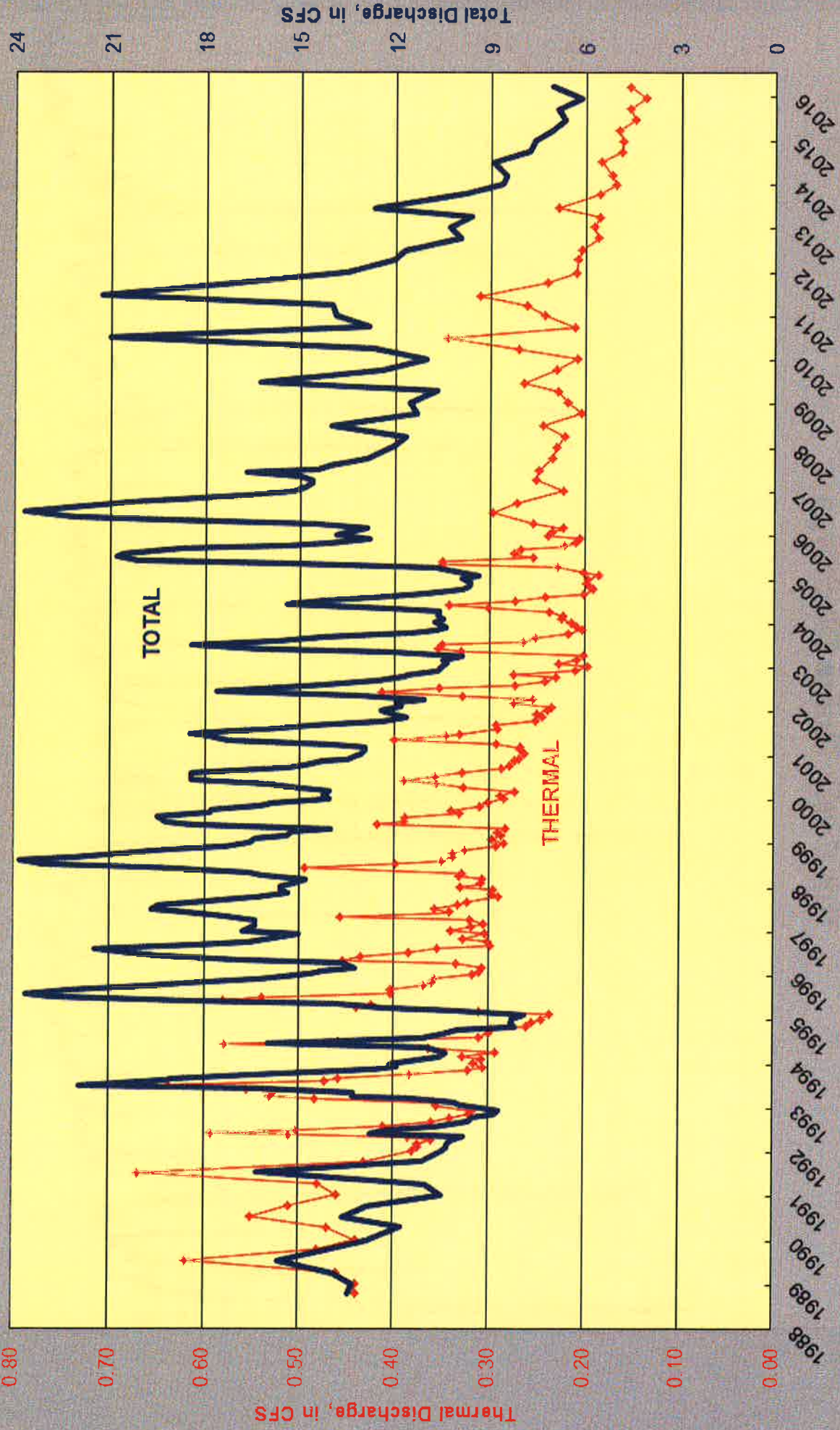
SUBJECT TO REVISION

PRELIMINARY DATA

FISH HATCHERY SPRINGS AB and CD



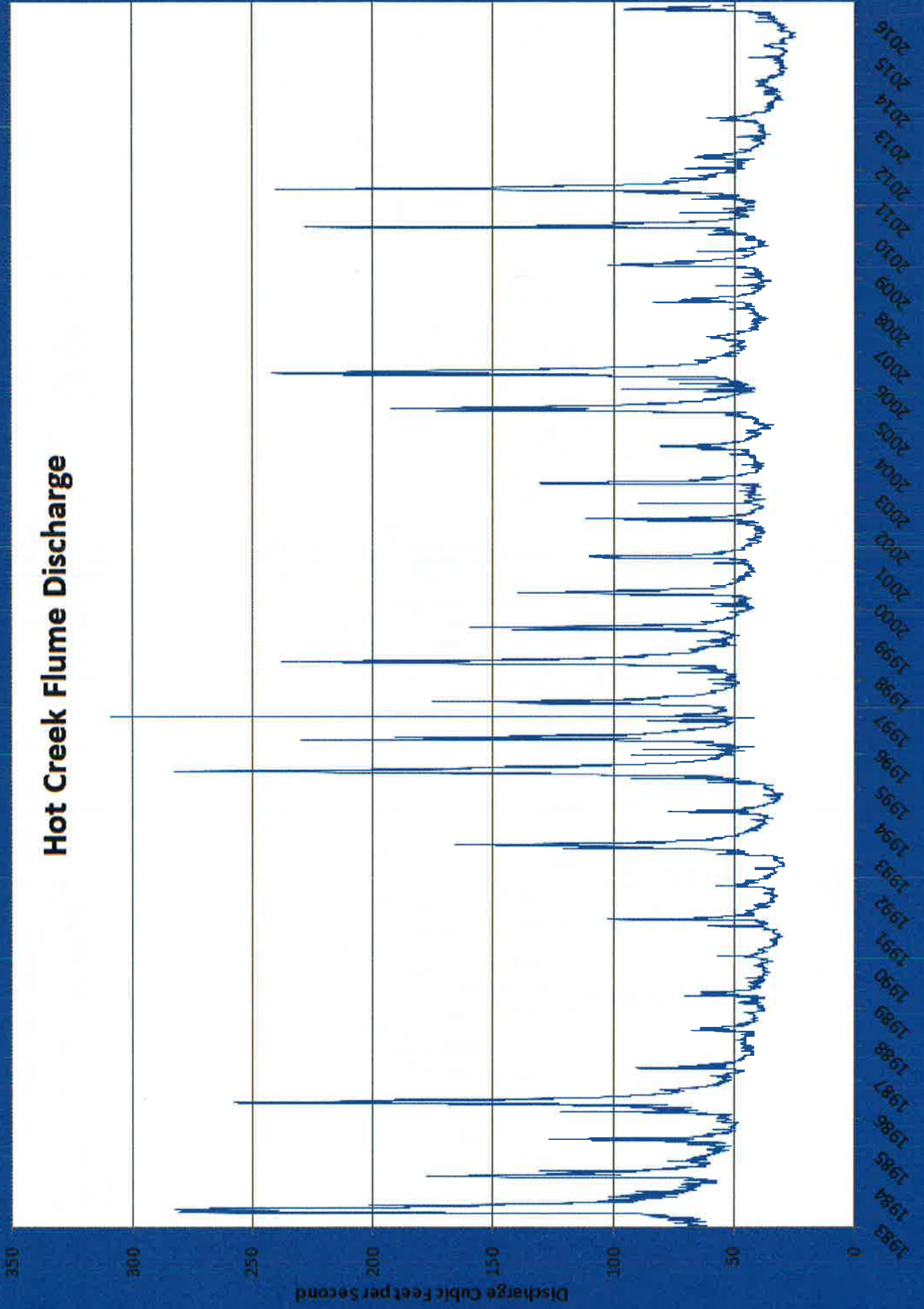
FISH HATCHERY SPRINGS AB plus CD



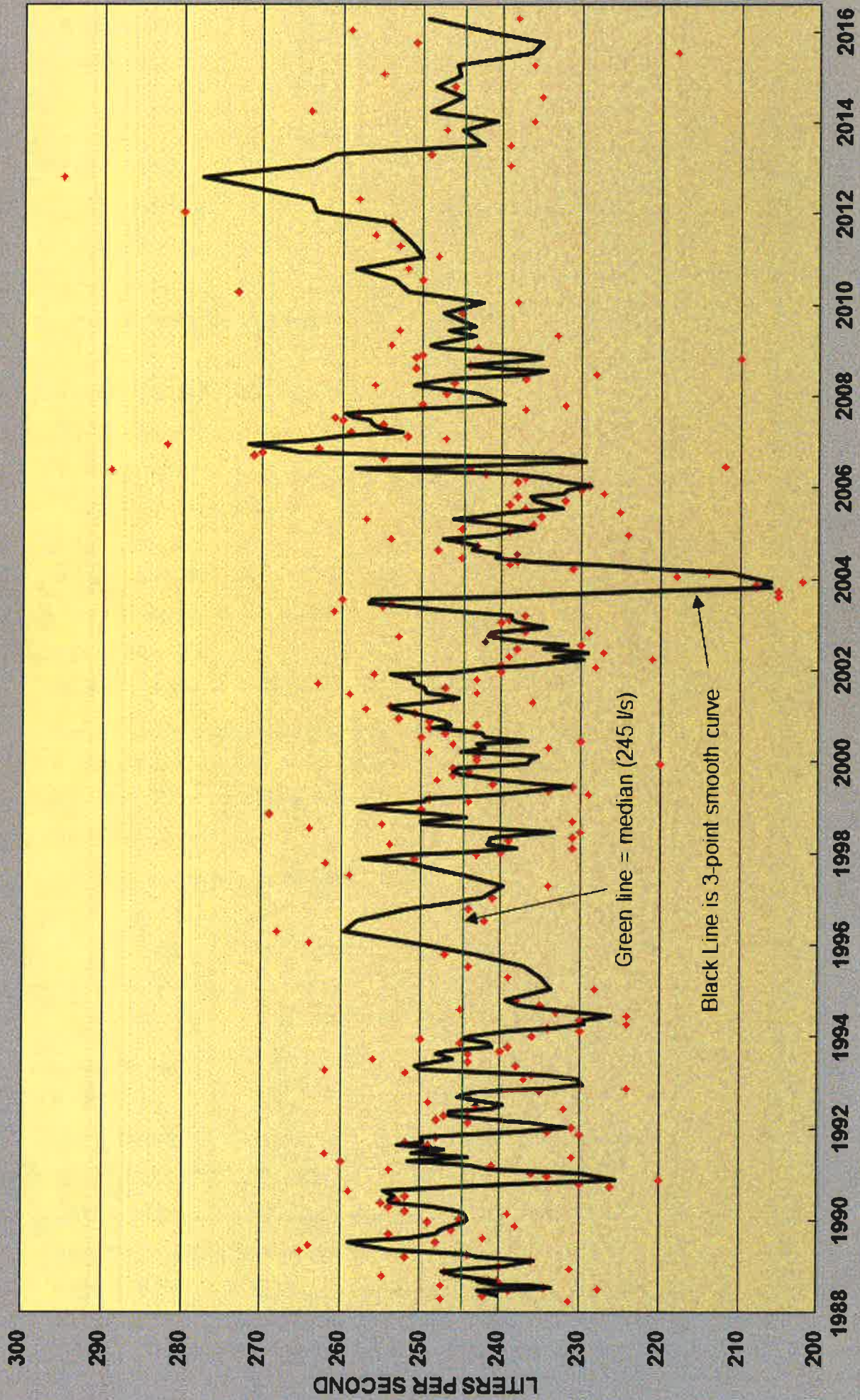
Subject to Revision

Preliminary Data

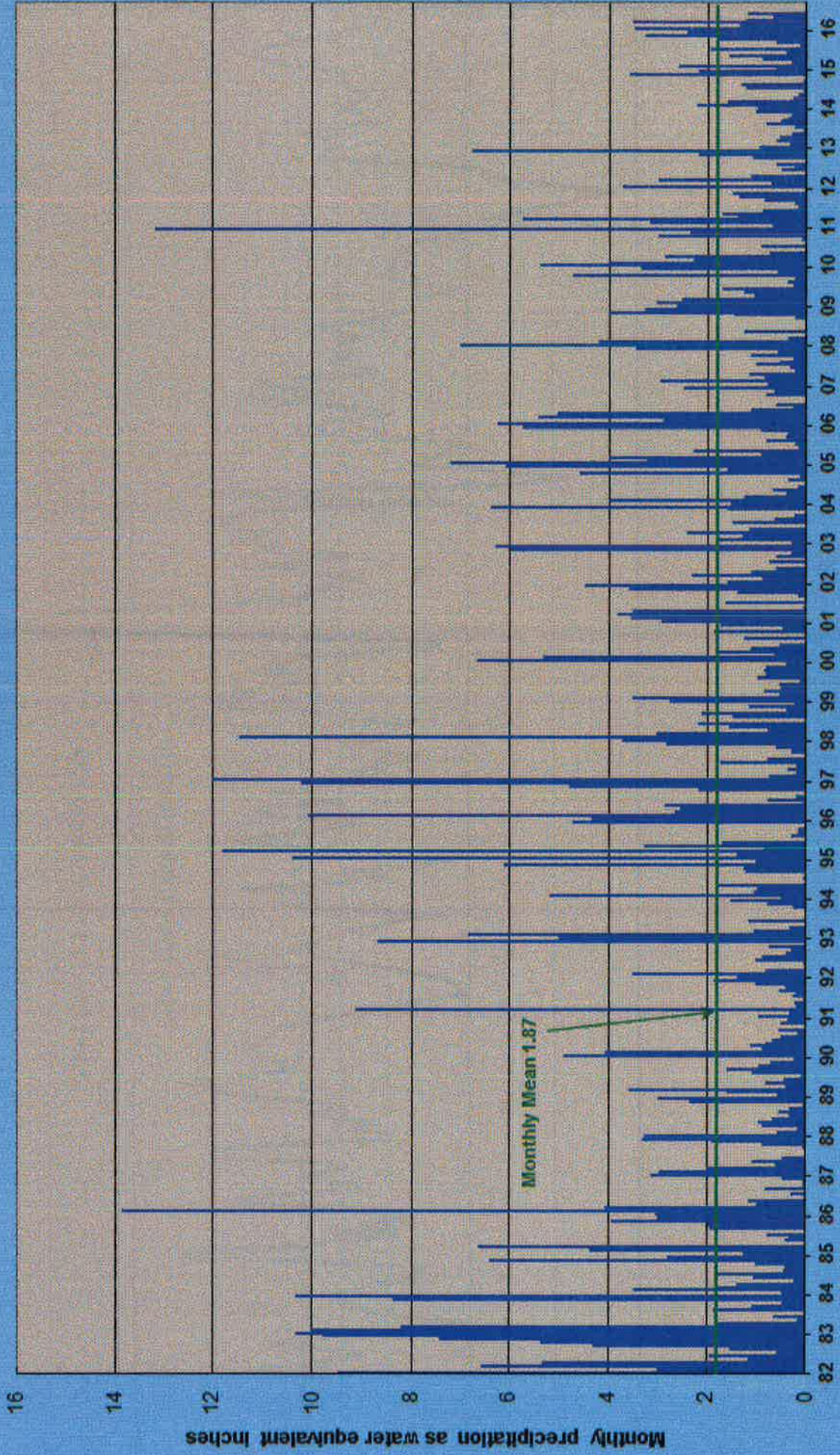
Hot Creek Flume Discharge



HOT CREEK GORGE THERMAL SPRING DISCHARGE



Precipitation at Mammoth Lakes, CA



Data from U.S. Forest Service