
MEMORANDUM

TO: Lee Sim

FROM: Gertrudys B. Adkins

DATE: June 8, 1999

SUBJECT: Water Level Report for Pahvant Valley Wells

Enclosed, please find a graphical analysis of water levels for selected monitoring wells in the Pahvant valley and a map showing the locations of the wells. This report includes the most recent water levels taken by the USGS (March 1999).

PAHVANT VALLEY WATER LEVEL PATTERN

Water level measurements in Pahvant Valley in the spring of 1999 are generally higher than those measured in the spring of 1998. One area of exception is the northern part of Pahvant Valley near McCornick and Hoden. Water levels in wells (C-18-5)28dda-1, (C-19-4)30dab-1, (C-19-5)2aad-1, and (C-20-5)24bad-2 decreased an average of 3 ft from 1998 levels. The lowest decline in water level (5.13 ft) was registered in well (C-20-5)24bad-2 located 7 miles Southwest of Holden.

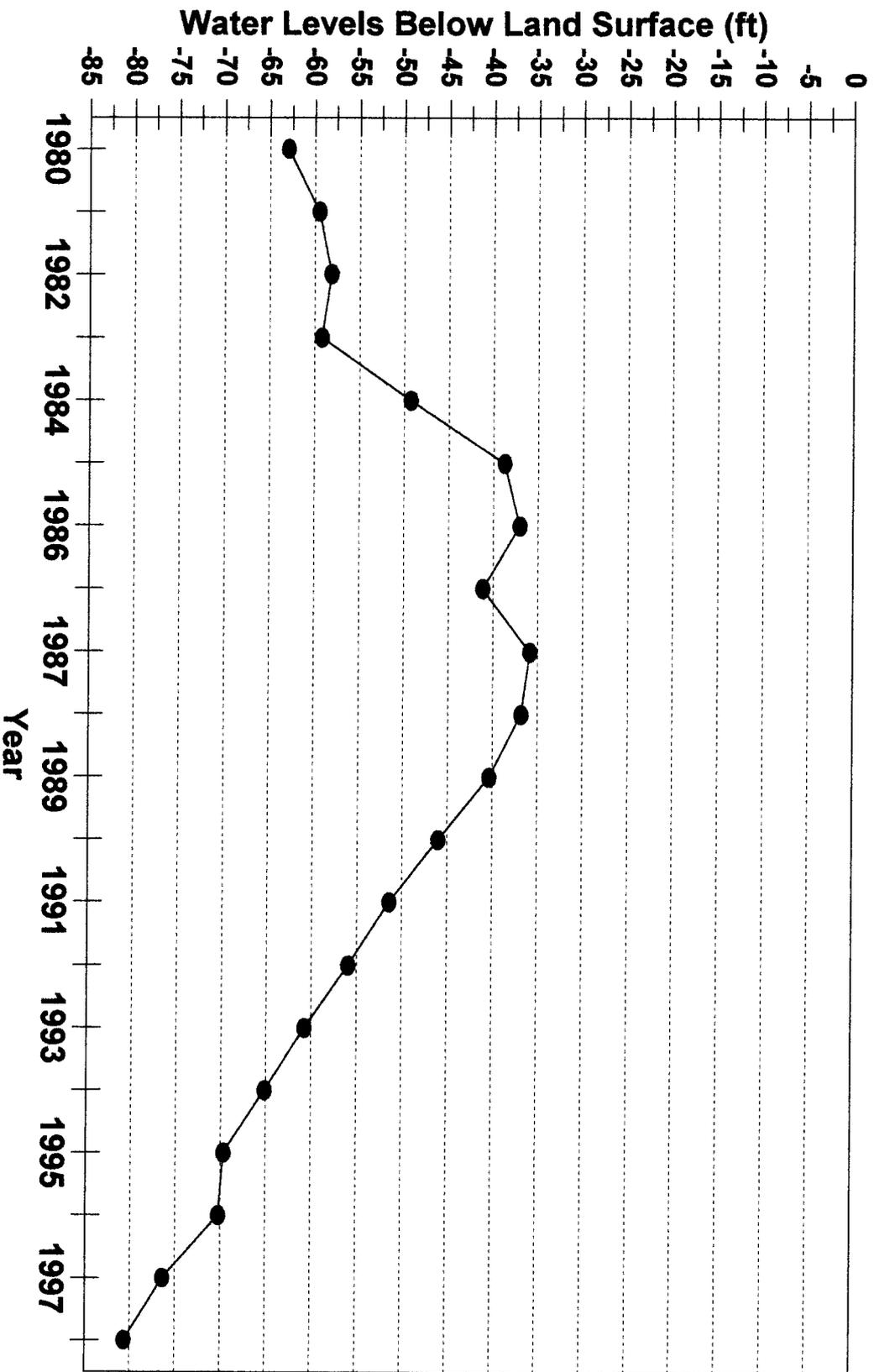
Overall, in the majority of wells the water table has increased for the last two years. Seven wells out of the 13 in the study area, show an increase in water levels from the spring of 1998 to the spring of 1999. Well (C-20-4)4dab-1 registered the largest increase in water levels (14.4 ft) over the 1998 levels.

Water levels in all observation wells rose rapidly from 1983 to 1988 in response to large amounts of recharge from higher than normal levels of precipitation. This increase was followed by a prolonged decrease on water levels (1988-1995). Since then, water level has generally stabilized. Wells in the Southern boundary of the valley show the best improvement in water levels. Generally, water levels in wells South of Filmore have continued to improve since 1995.

In summary, there appears not to be any major problems in water level declines. In fact, it seems that water levels are improving over the valley. Therefore, no further action in relation to organizing a distribution system should be taken at this time.

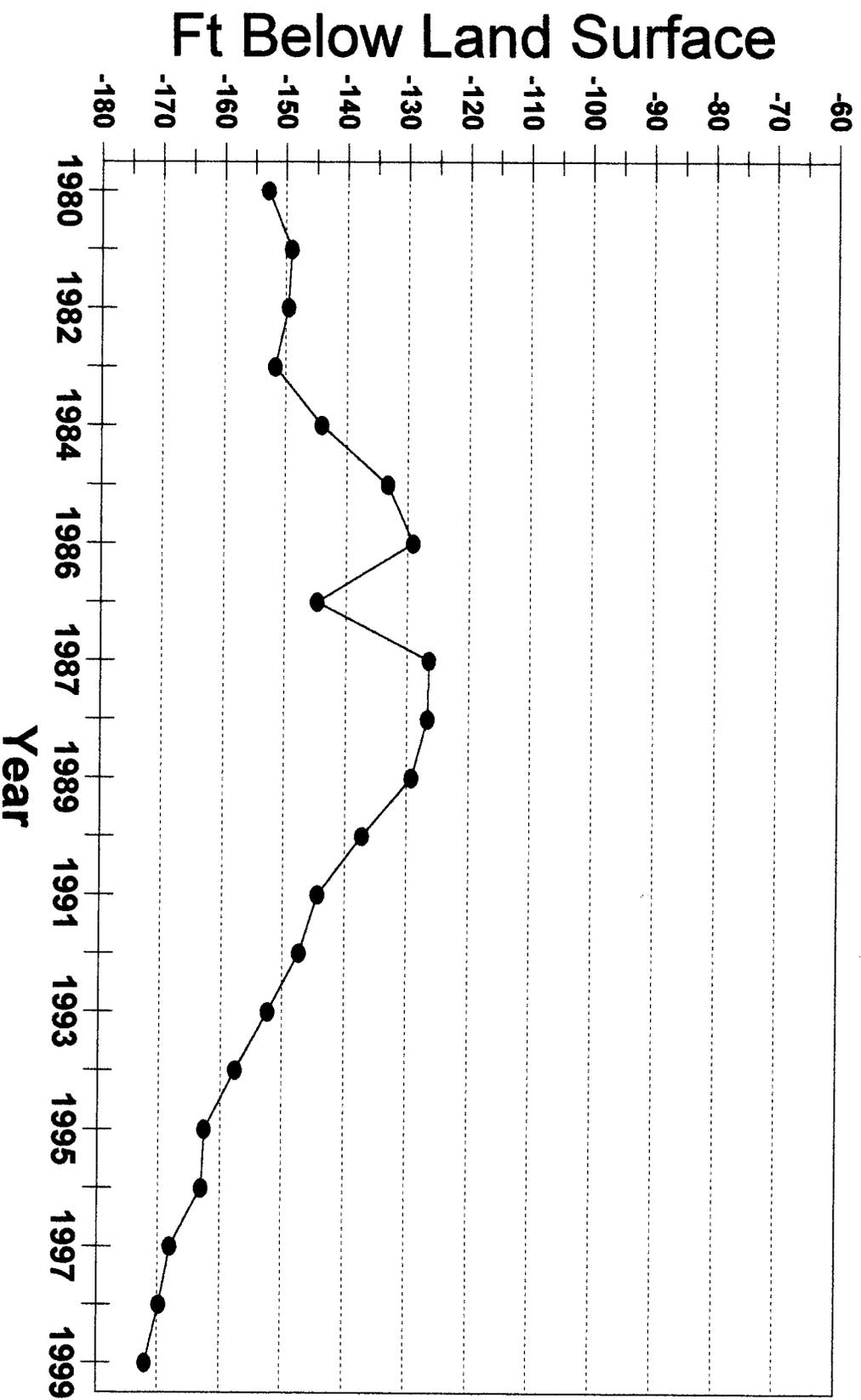
Pahvant Valley Ground Water Levels

Well (C-18-5)28dda1 - #4



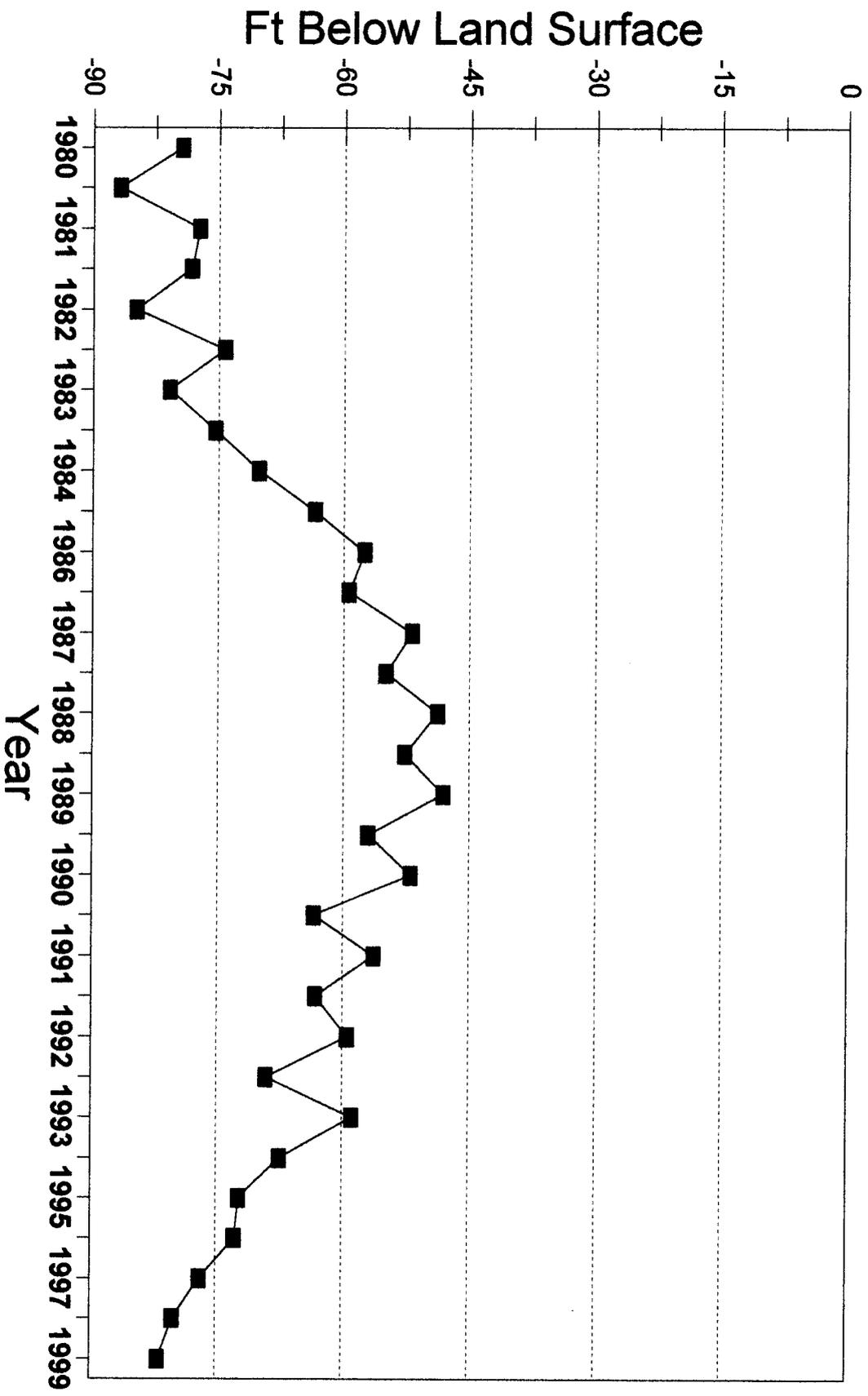
Pahvant Valley Ground Water Levels

Well (C-19-4)30dab-1 #10



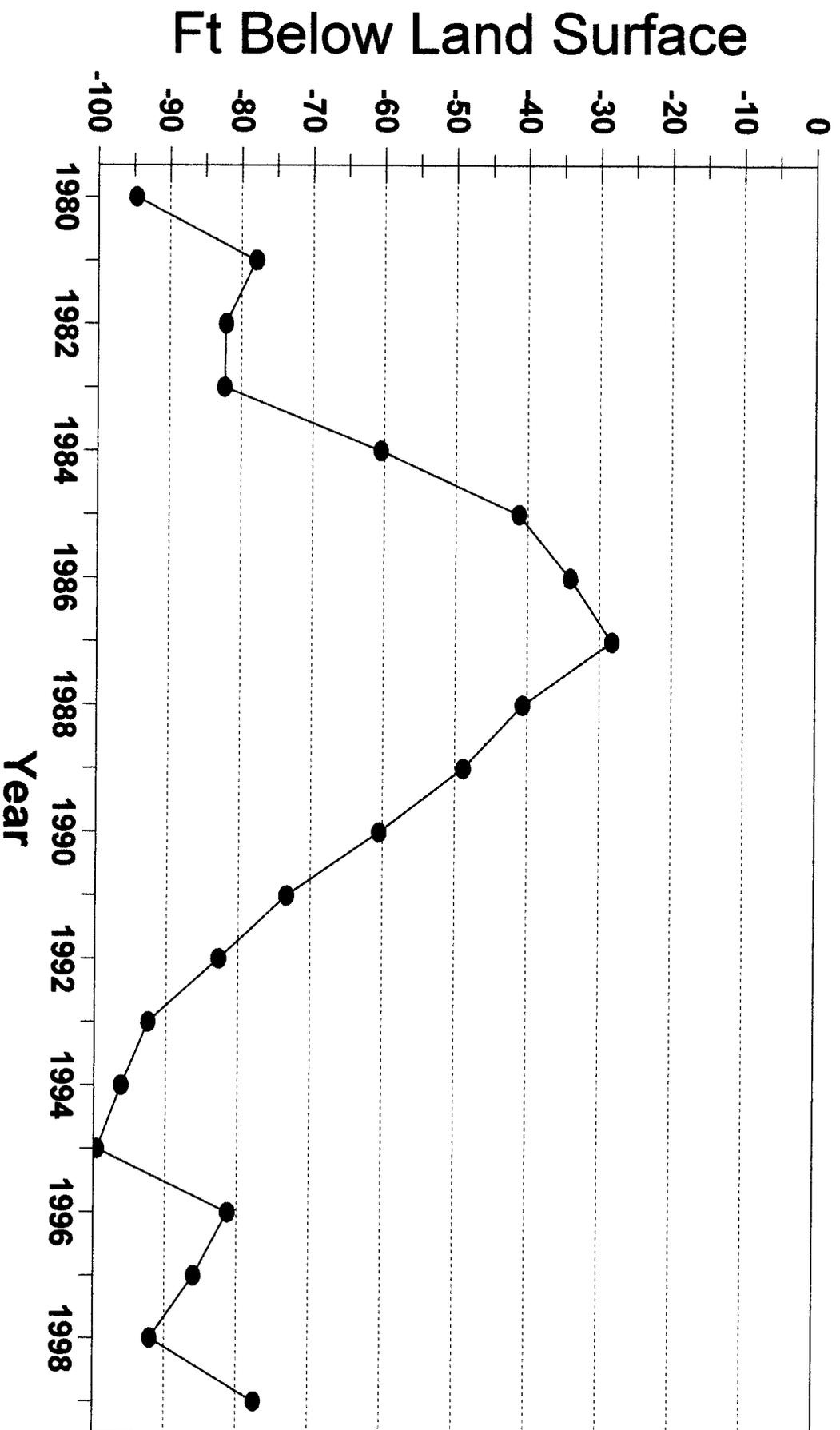
Pahvant Valley Ground Water Levels

Well (C-19-5)2aad-1 - #14



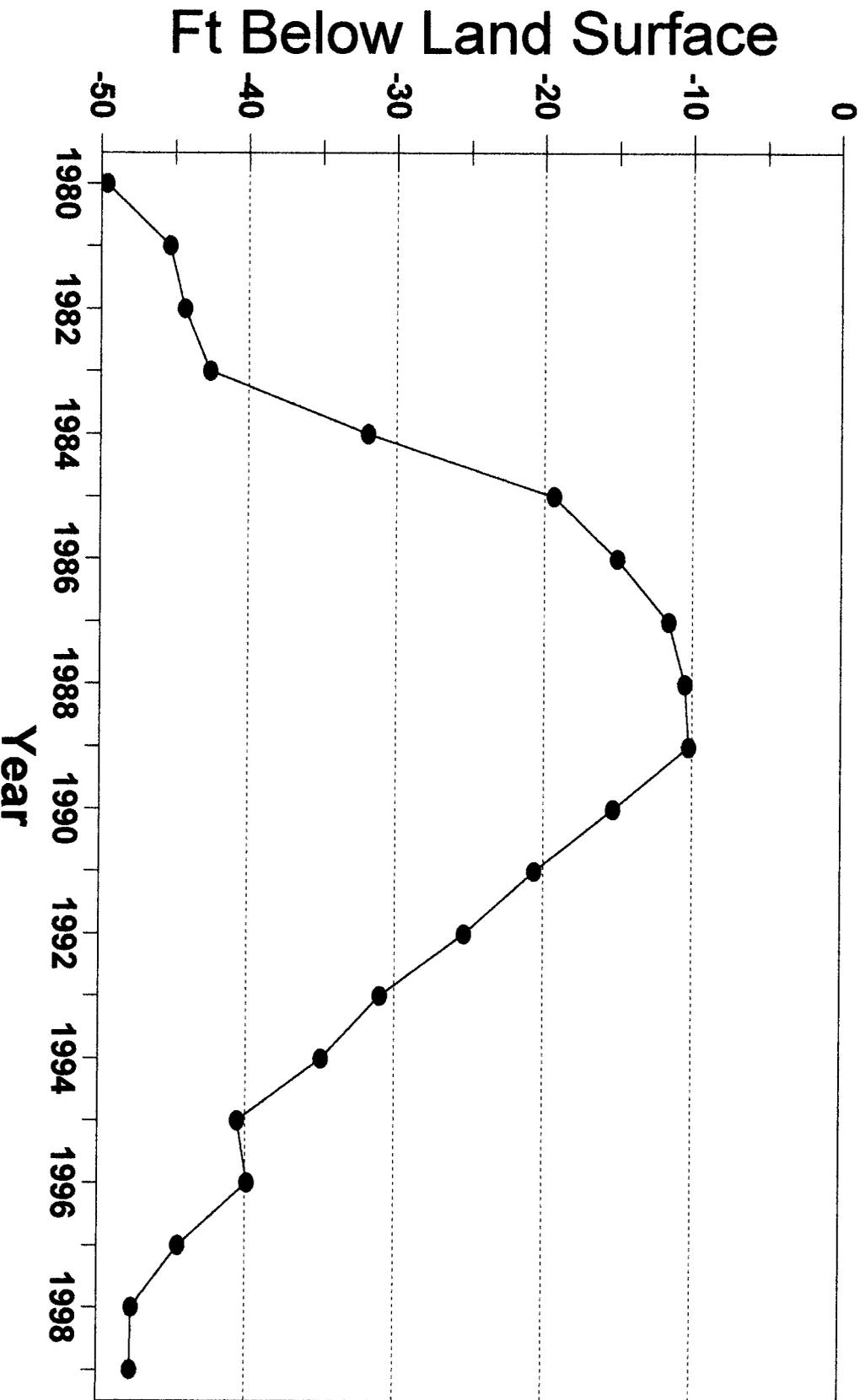
Pahvant Valley Ground Water Levels

Well (C-20-4)4dab-1 #18



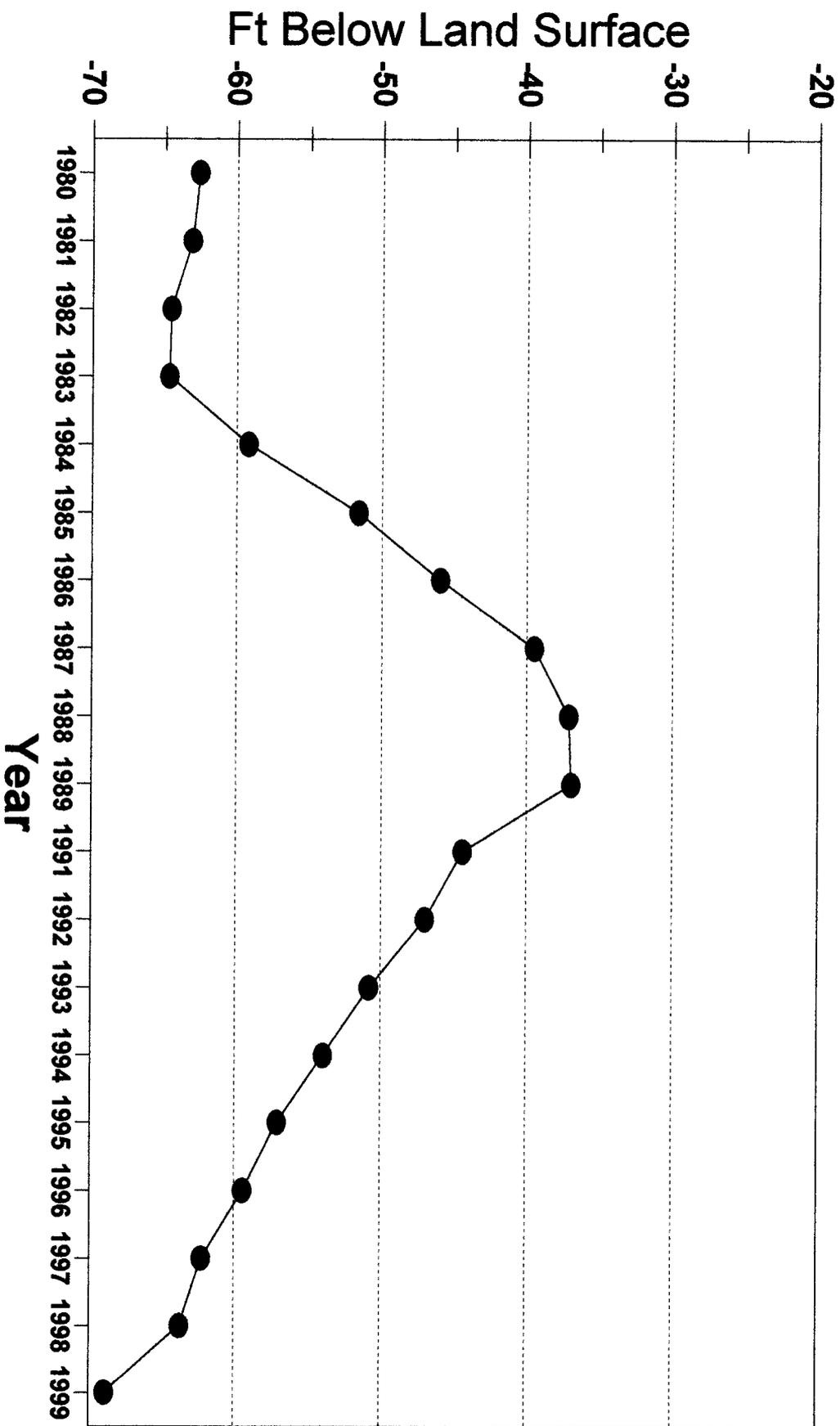
Pahvant Valley Ground Water Levels

Well (C-20-4)6dbc-1 #20



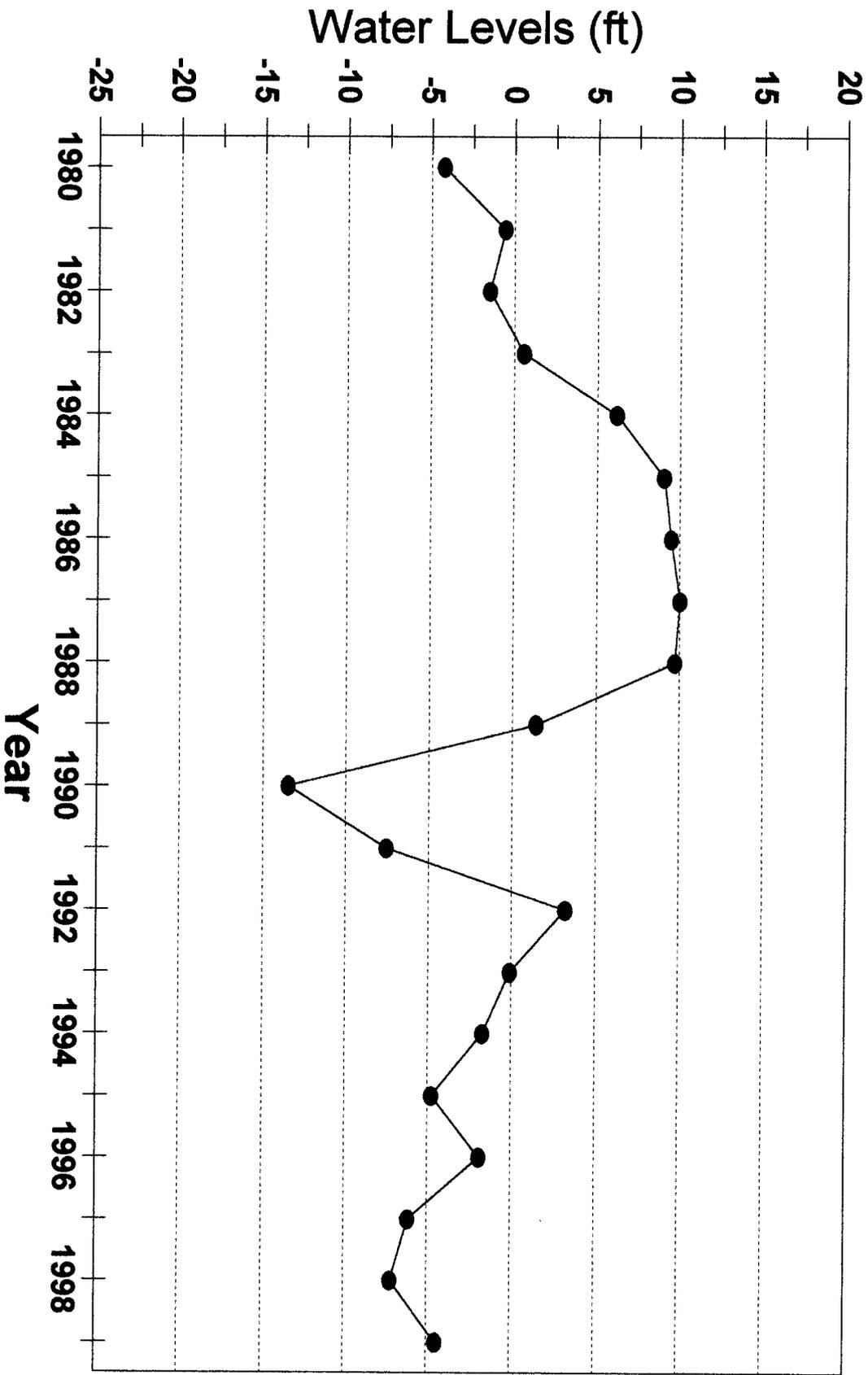
Pahvant Valley Ground Water Levels

Well (C-20-5)24bad-2 #26



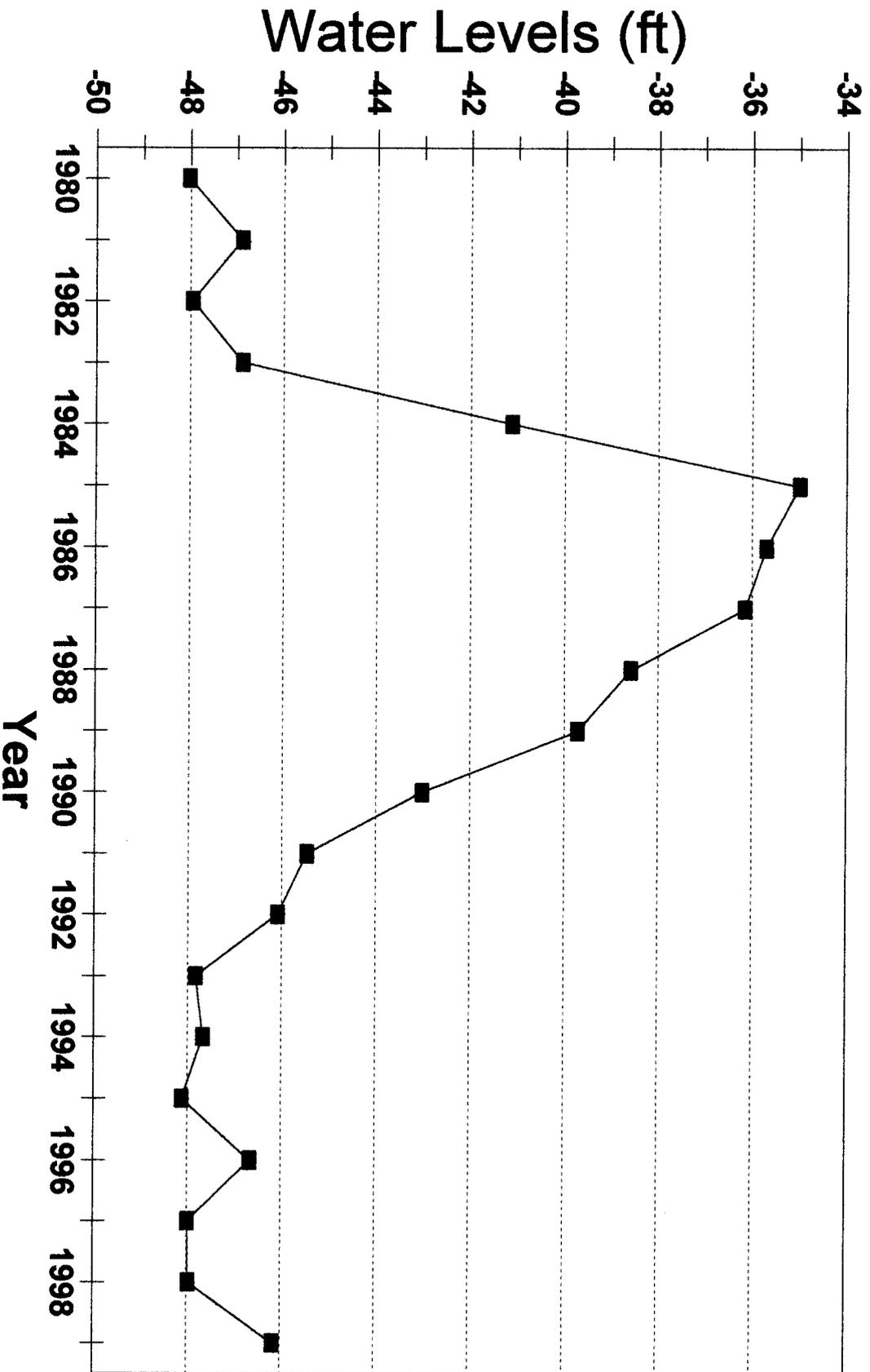
Pahvant Valley Ground Water Levels

Well (C-20-5)28cdd-1 #31



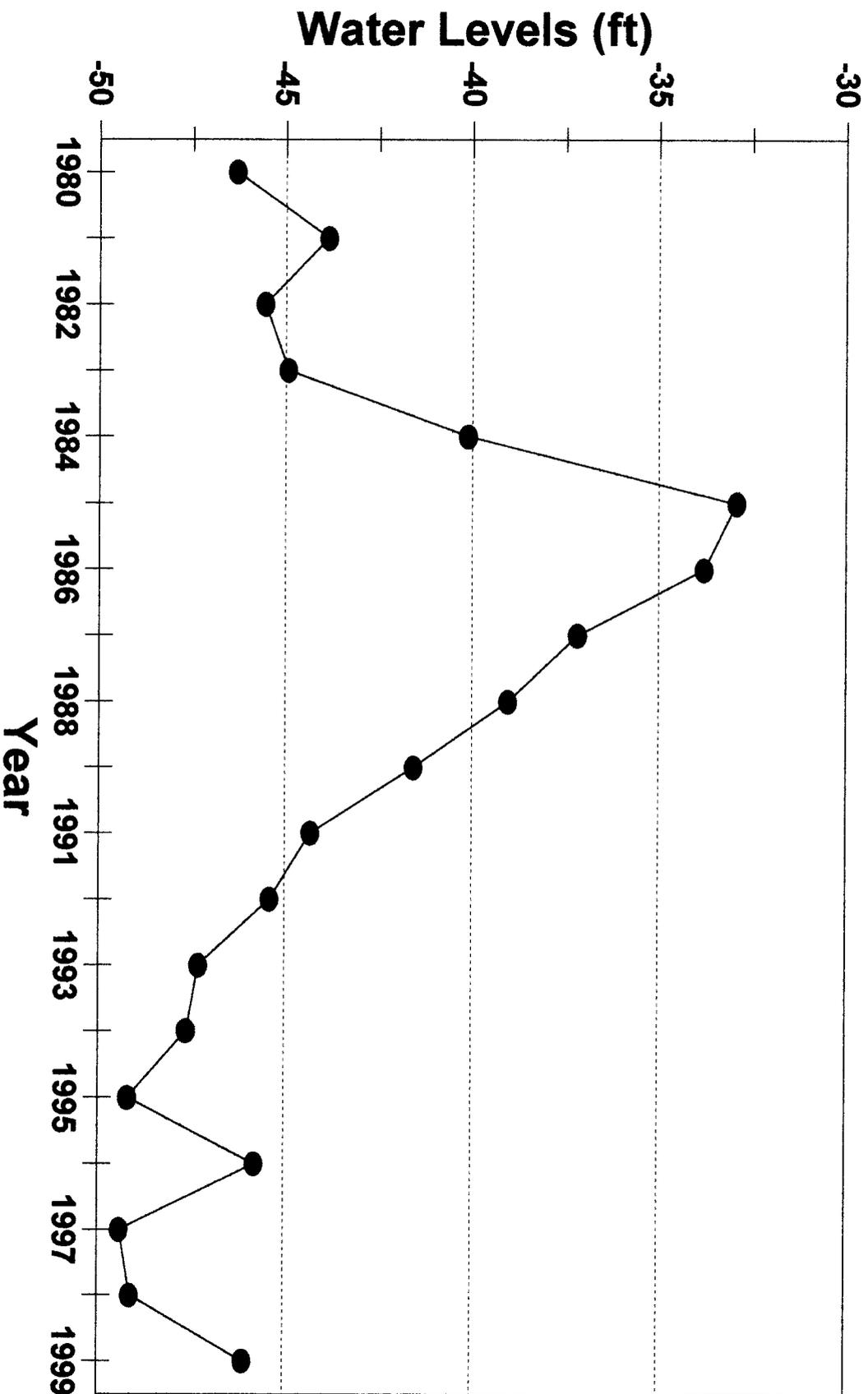
Pahvant Valley Ground Water Levels

Well (C-21-5)7cdd-3 #37



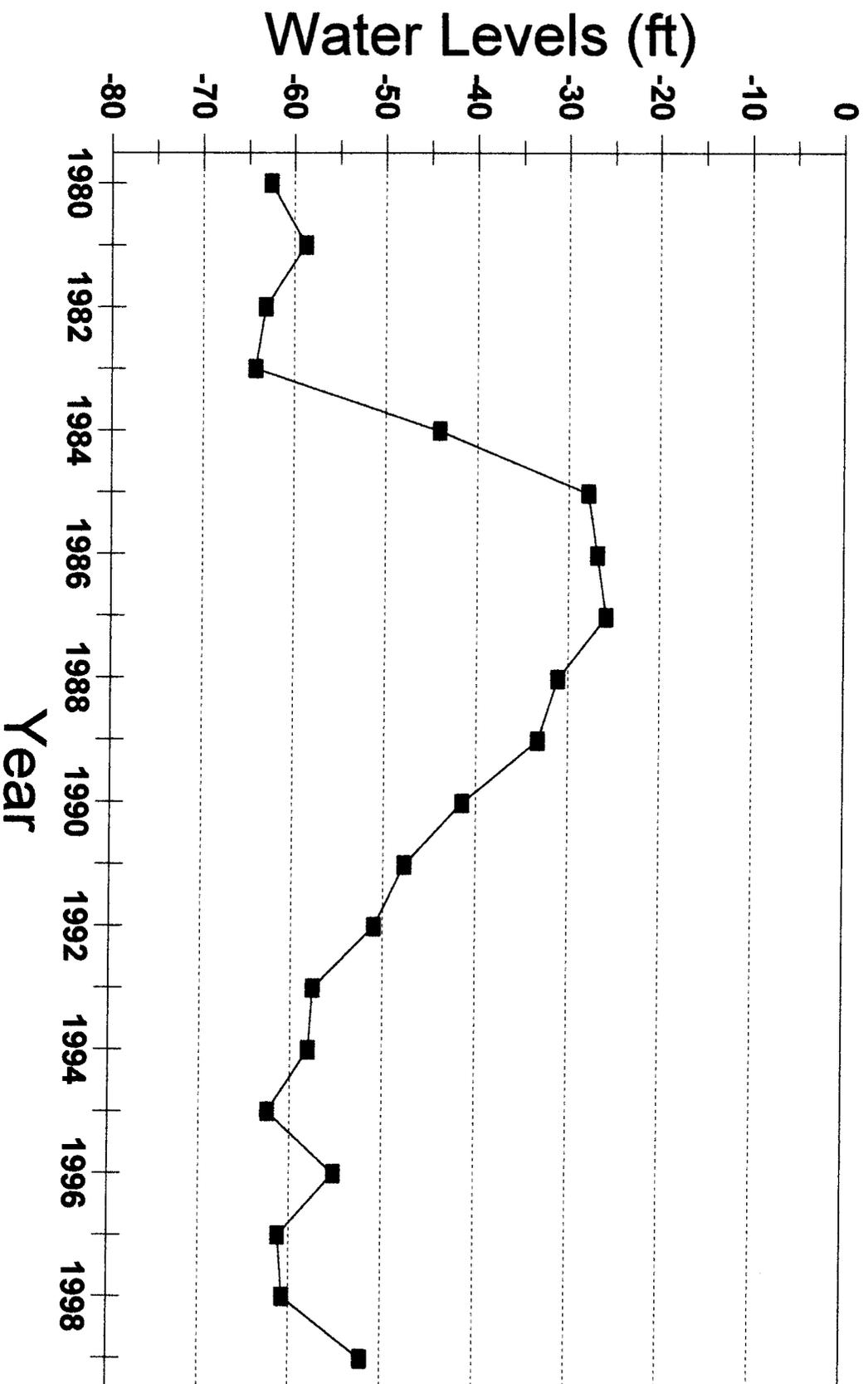
Pahvant Valley Ground Water Levels

Well (C-21-5)8dbb-2 #40



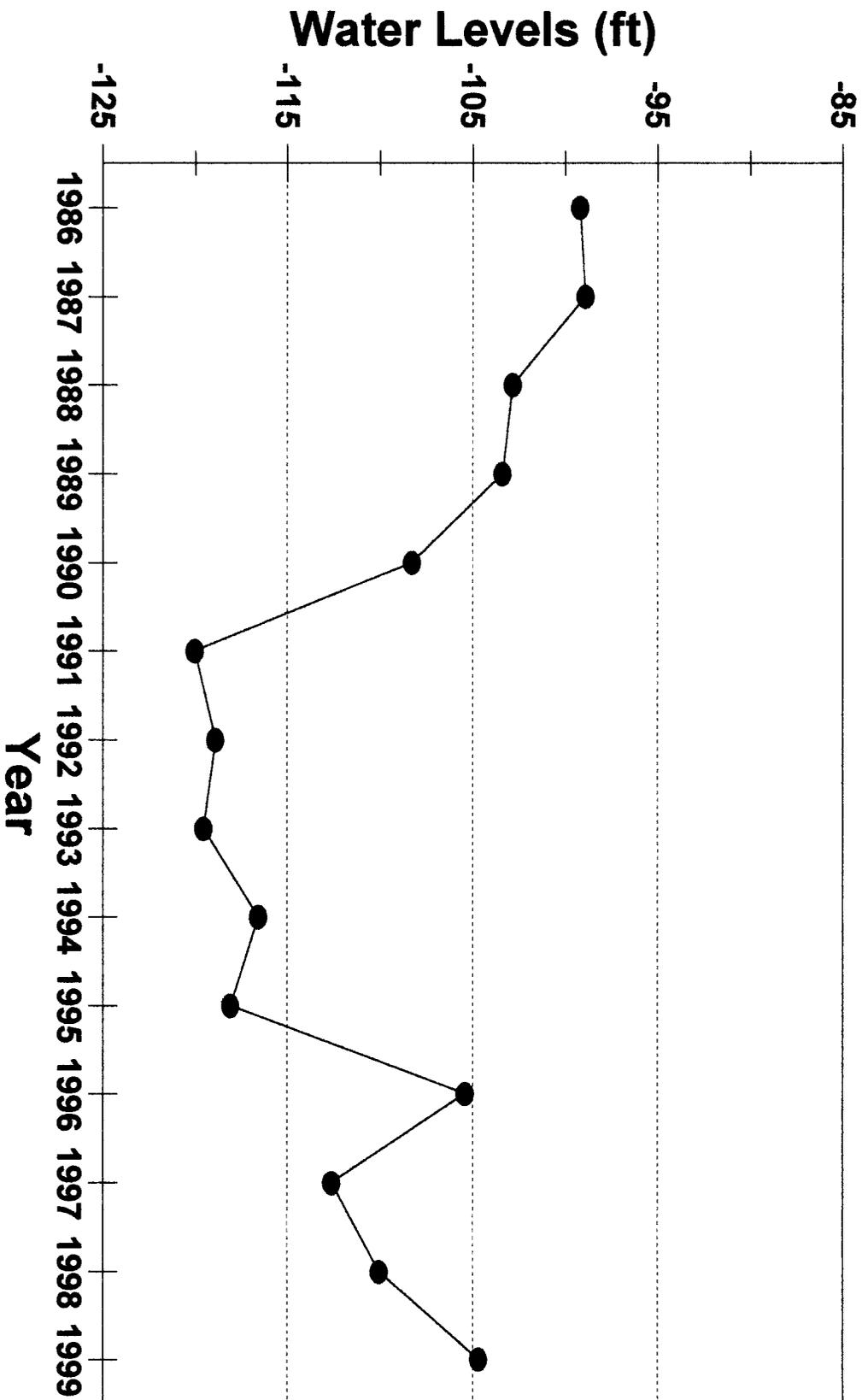
Pahvant Valley Ground Water Levels

Well (C-22-5)28dbd-1 #58



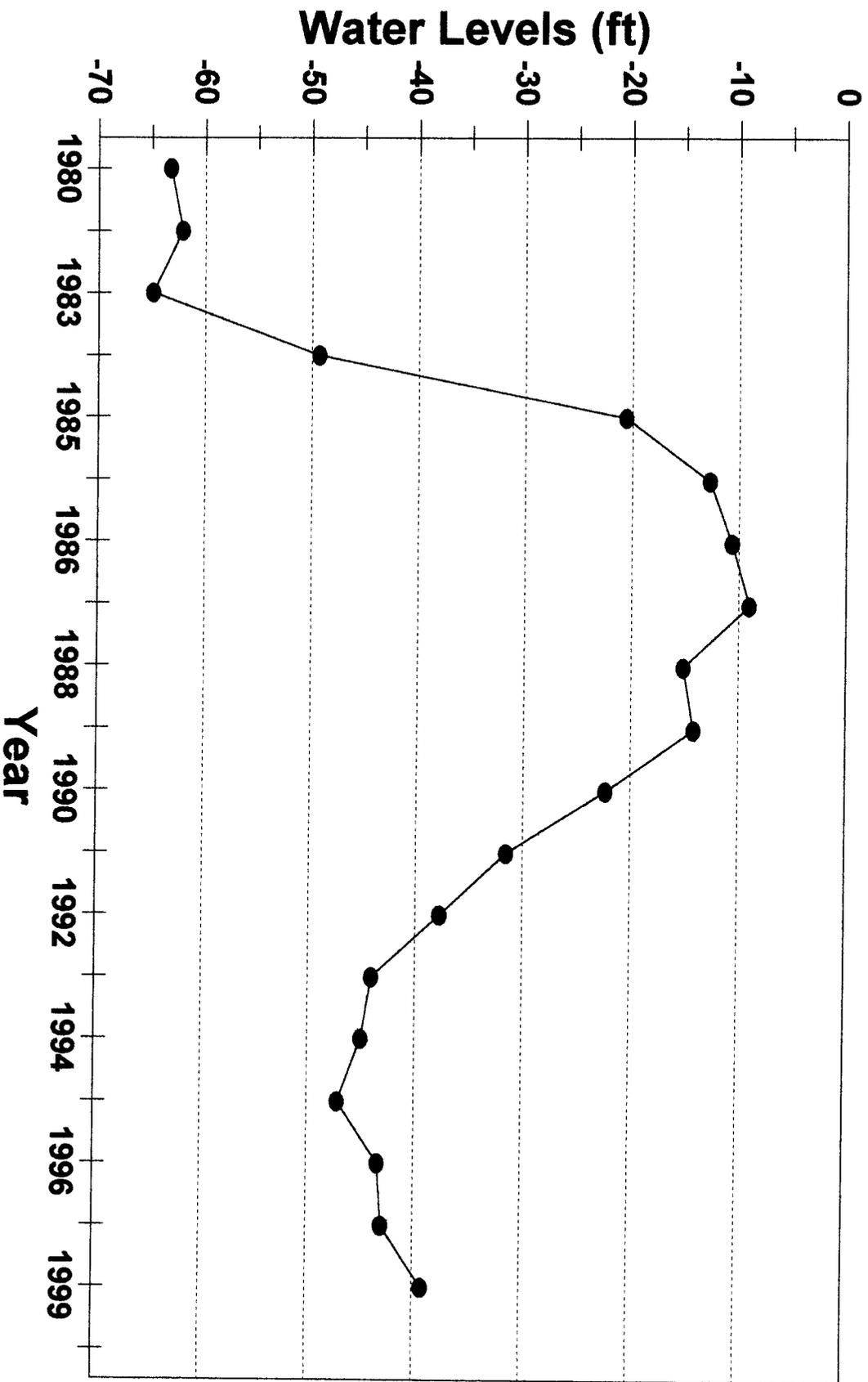
Pahvant Valley Ground Water Levels

Well (C-23-6)13ddd-1 #78



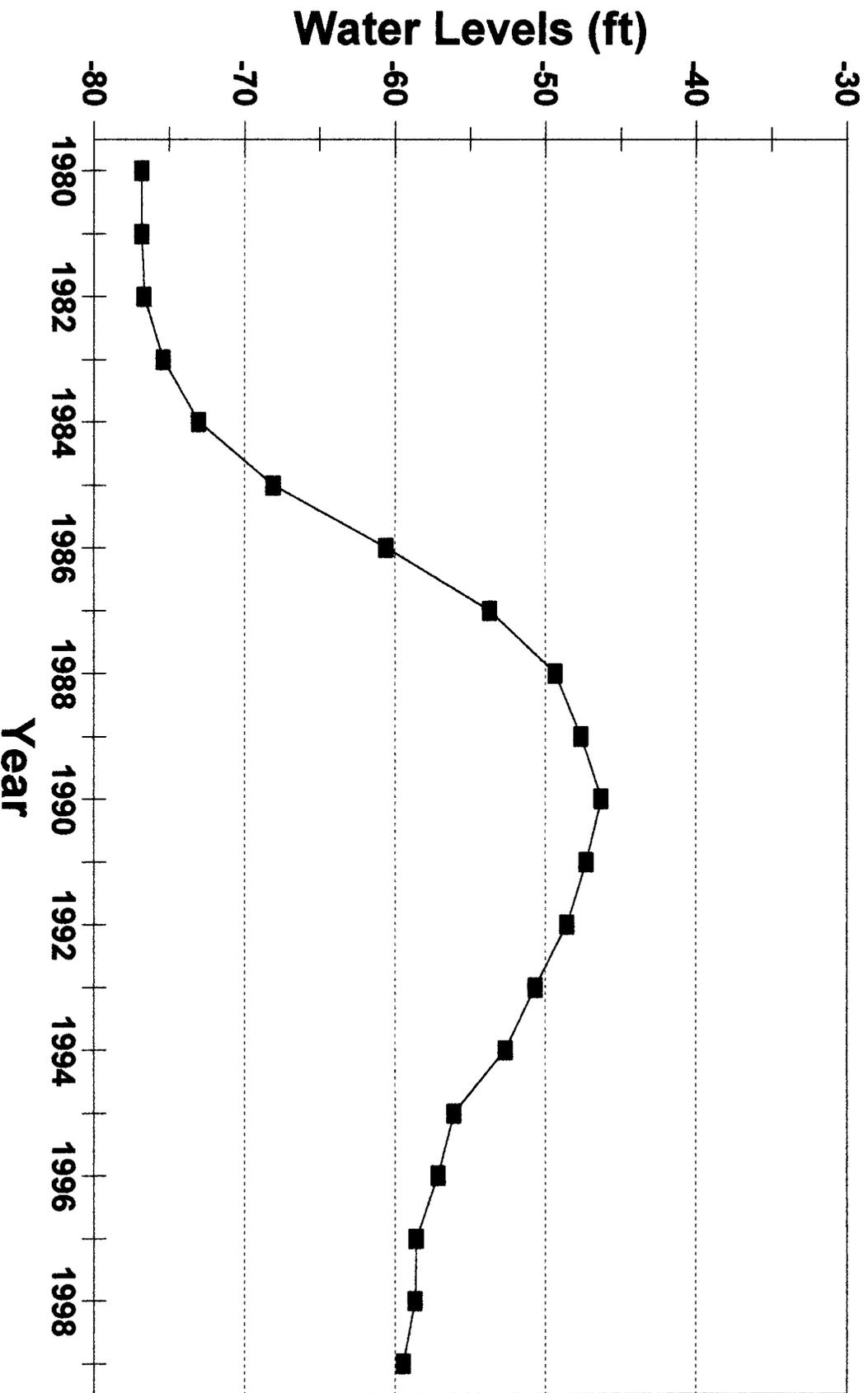
Pahvant Valley Ground Water Levels

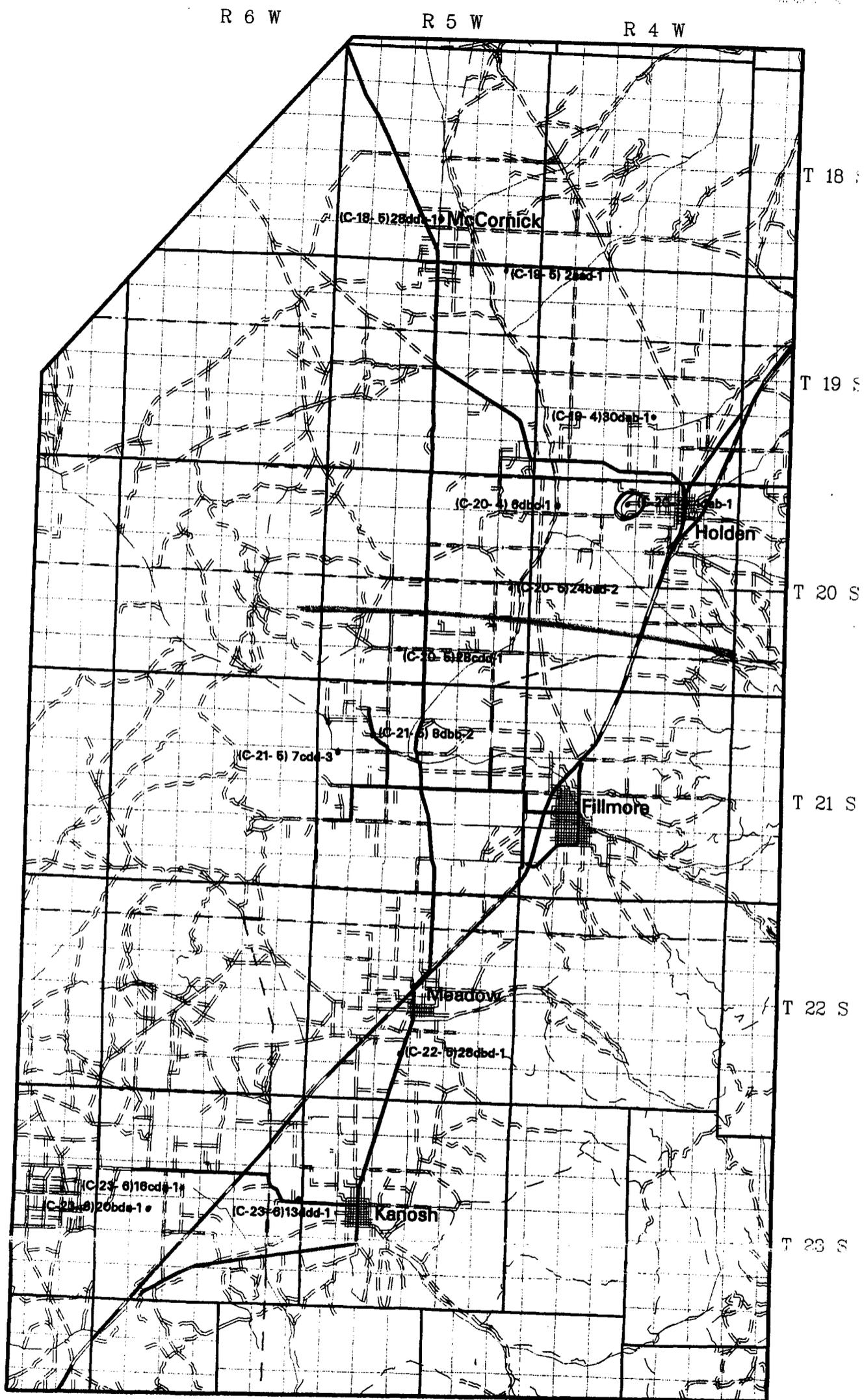
Well (C-23-6)16cda-1 #81



Pahvant Valley Ground Water Levels

Well (C-23-6)20bda-1 #87





**Location of USGS Monitoring Wells
Pahvant Valley, Utah
01-21-98**