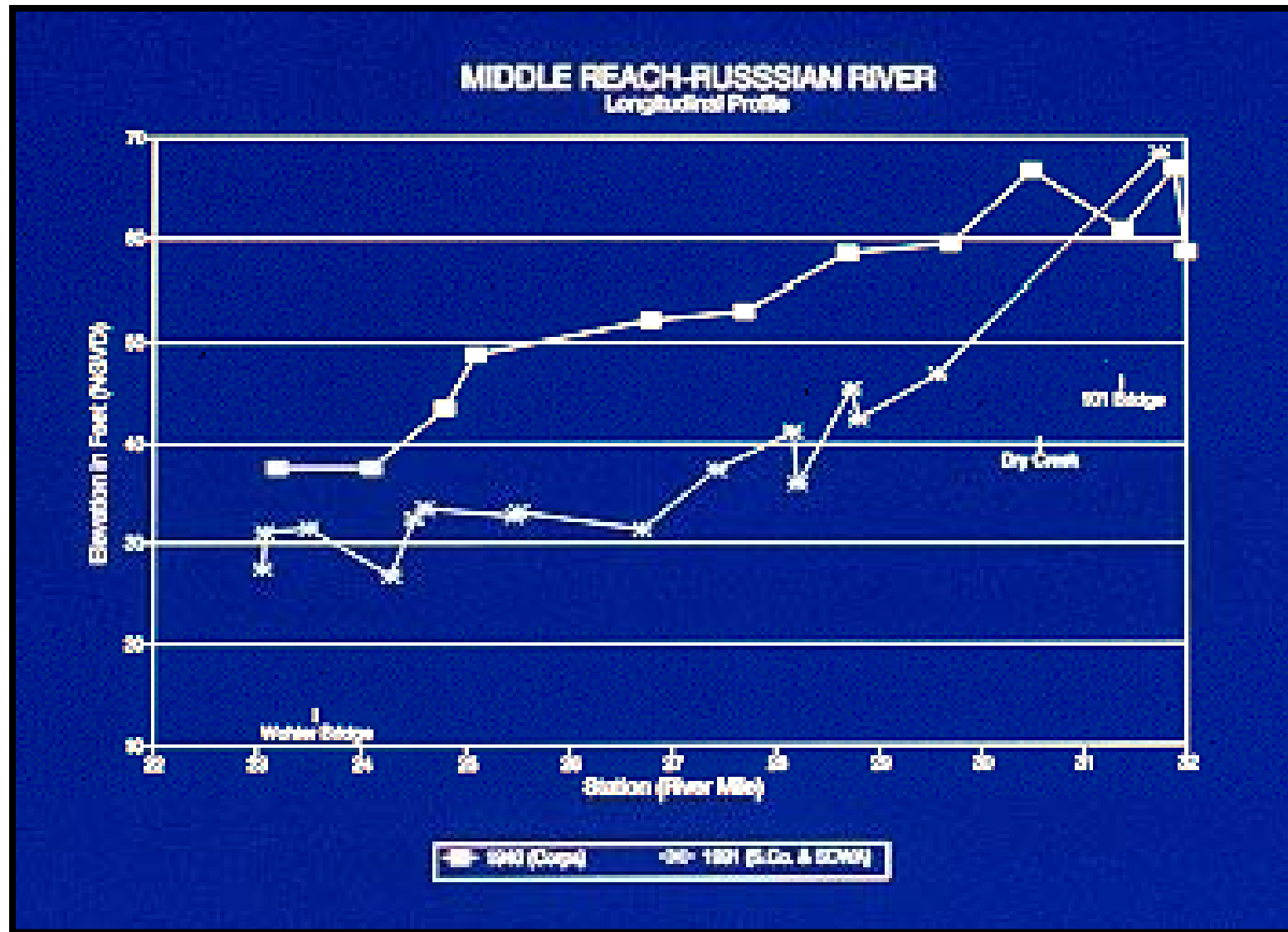




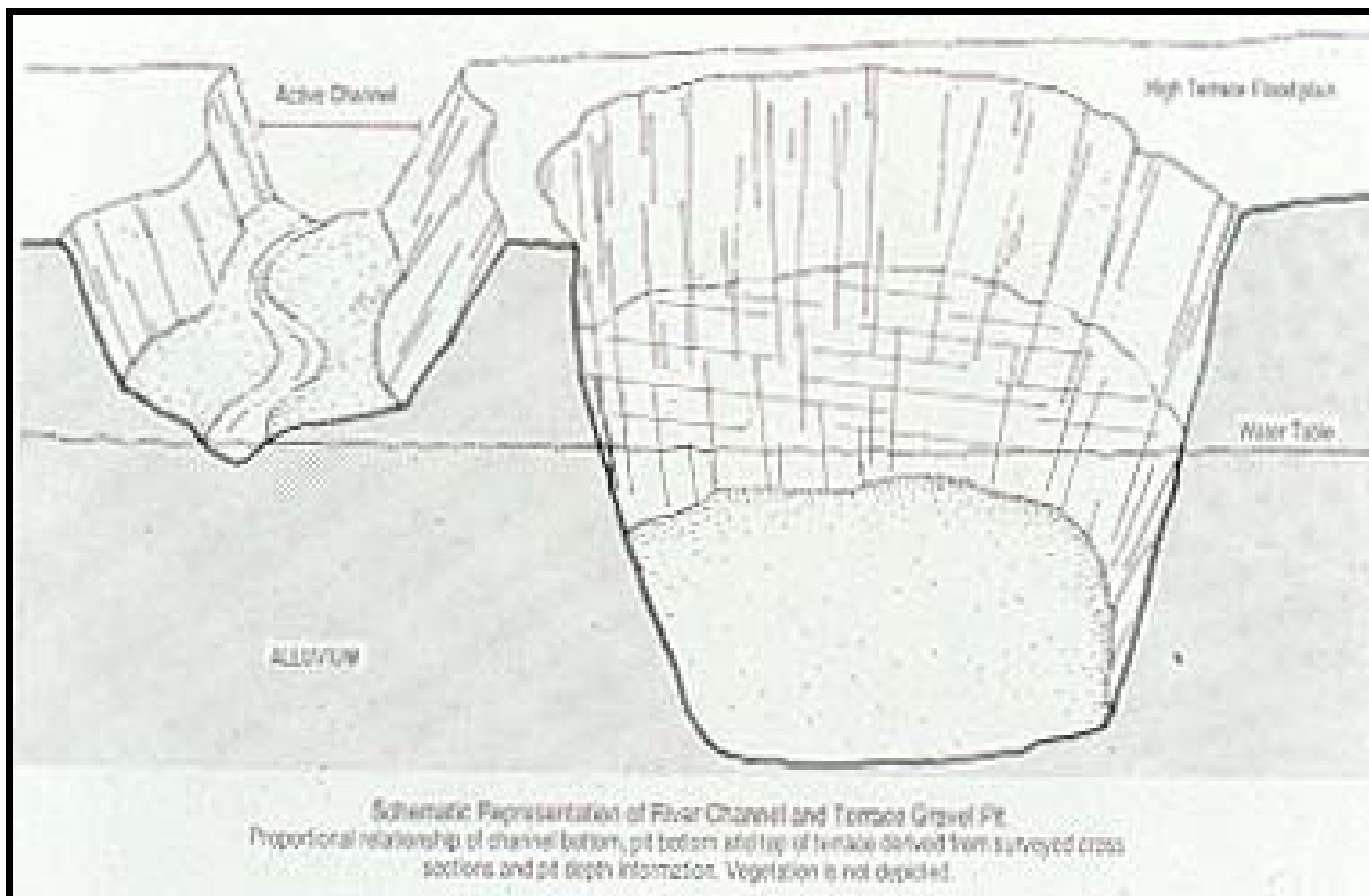
Russian River looking downstream from Healdsburg



Middle Reach of Russian River (Healdsburg to Wohler Narrows) most banks are 20+ ft.



A comparison of longitudinal profiles between 1940 and 1991

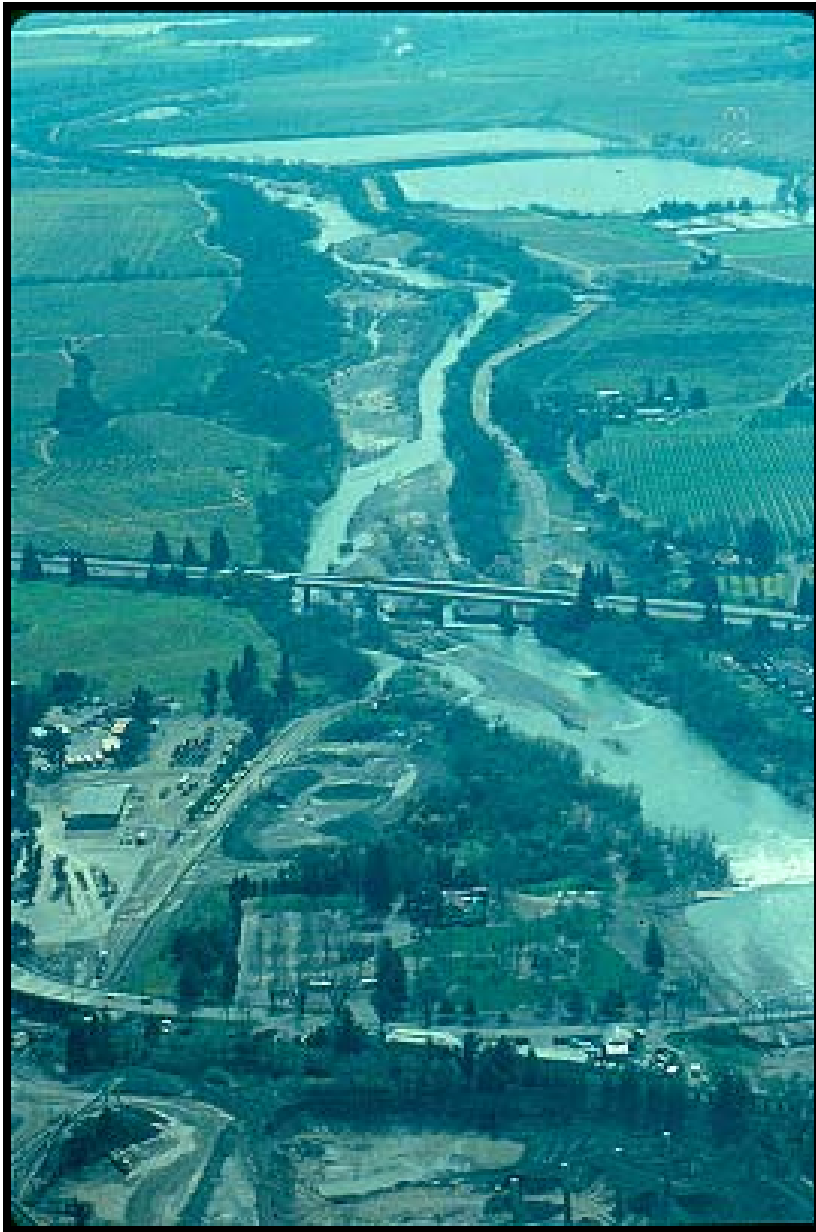




River and pits just downstream of Hwy 101 in 1993



Pit breach in 1995 flood



Gravel pits and Highway 101 bridge.
Caltrans put piers down an extra 60 ft.
during seismic upgrade of bridge to
account for pit capture





River is eroding the alluvium between the river channel and the pit



Box culvert of Storey Creek at confluence with Russian River hanging 20+ feet up on river bank and being under cut

This is an aerial of pits in the Lower Merced River that have become one with the river channel and transform the river system into a lake system with great effects on salmonids





Pits along Alameda Creek in Fremont