

Temperature Control Device

Shasta Dam, California

Ingenious erection scheme for submerged towers

owner.... Bureau of Reclamation
client.... Fletcher General
.... Construction

To maintain favourable downstream temperatures for spawning fish, this 8,000 ton temperature control device was installed in 1996

Somerset created an ingenious erection scheme to erect this submerged structure while above water level

Hung from the side of the dam, shoring frames supported the towers by threaded rods. As each section was assembled, the towers were lowered by jacks to allow assembly of the higher sections. Once at their final depths, the 1,200 ton towers were connected to the dam by divers



The massive temperature control device towers were lowered as each section was erected



Shoring hung from dam supports erection



Structure lowered by jacks and threaded rods