DEPARTMENT of ENVIRONMENTAL SERVICES
Water Supply & Pollution Control Division - Biology Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake:	BANCROFT RESERVOIR	Lake Area (ha):	---
Town:	RINDGE	Maximum depth (m):	---
County:	Cheshire	Mean depth (m):	---
River Basin:	Connecticut	Volume (m^3):	---
Latitude:	42°44'55" N	Relative depth:	---
Longitude:	71°56'55" W	Shore configuration:	---
Elevation (ft):	1242	Areal water load (m/yr):	---
Shore length (m):	2100	Flushing rate (yr^{-1}):	---
Watershed area (ha):	---	P retention coeff.:	---
% watershed ponded:	---	Lake type:	

BIOLOGICAL:		10 July 1989
DOM. PHYTOPLANKTON (% TOTAL) #1		
#2		
#3		
PHYTOPLANKTON ABUNDANCE (cells/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL) #1		
#2		
#3		
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (fecal col., #/100 ml) #1		
#2		
#3		

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m^3): None

CHEMICAL:

Lake: BANCROFT RESERVOIR
Town: RINDGE

			10 July 1989		
DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 1989

D.O.	S.D.	PLANT	CHL	TOTAL	CLASS

COMMENTS:

At the time of our visit in 1989 this reservoir no longer existed as a pond. The dam was breached and only a 1 or 2 acre shallow pool was present at the breached dam. The land behind the pool was a wet meadow containing sedges, grasses, and horsetail.

No samples were collected. For the purposes of the assessment of significant lakes for the 305(b) report, Bancroft reservoir was placed in the 'not a lake - dam breached' category.