



United States Department of the Interior

BUREAU OF RECLAMATION
Pacific Northwest Region
1150 North Curtis Road, Suite 100
Boise, Idaho 83706-1234

MAR 01 2004

IN REPLY
REFER TO:

PN-3110
WTR-4.10

Mr. Carter Fritschle
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

Subject: Information for Snake River Basin Adjudication Claim No. 85-11087

Dear Mr. Fritschle:

This letter and enclosures are in response to a letter from Ms Candice McHugh dated January 27, 2004. The letter requested additional information regarding the completion date of the canal from the West Fork of Sweet Water Creek into Lake Waha and information regarding the historical diversion rate. Please find enclosed a map of the proposed irrigation system of Lewiston Orchards Irrigation District dated 1922. The map was corrected to December 31, 1935. We feel that a December 31, 1935, date accurately reflects the completion of the irrigation works shown on the map.

Also enclosed are diversion records from the West Fork of Sweetwater Creek into Lake Waha. These measurements were taken by staff from the Division of Environmental Quality as part of a water quality study. The records indicate that a 24 cfs measurement was taken on April 18, 1989. These records should be sufficient for proof of the diversion of 20 cfs as indicated on our Claim No. 85-11087.

If you need further assistance or additional information, please contact Ms. Ruth Page at 208-378-5382.

Sincerely,

E. Gail McGarry
Program Manager
Water Rights and Acquisition

Enclosures

cc: Ms. Candice M. McHugh
Idaho Department of Water Resources
1301 North Orchard Street
Boise, ID 83706-2237

Lewiston Orchards Irrigation District
1520 Powers Avenue
Lewiston, ID 83501
(w/o encl to each)

DATE: 12/28/95
TO: Jeff McLaughlin
USDI-BOR
FROM: James M. Bellatty
Regional Administrator
DEQ-NCIRO
RE: Lake Waha

Attached are bits/pieces of
water quality data/info from
1989/91 for Lake Waha which
might be applicable to your LOID
analyses. Hopefully, you received
Dr. Falter's 94-95 loading data.

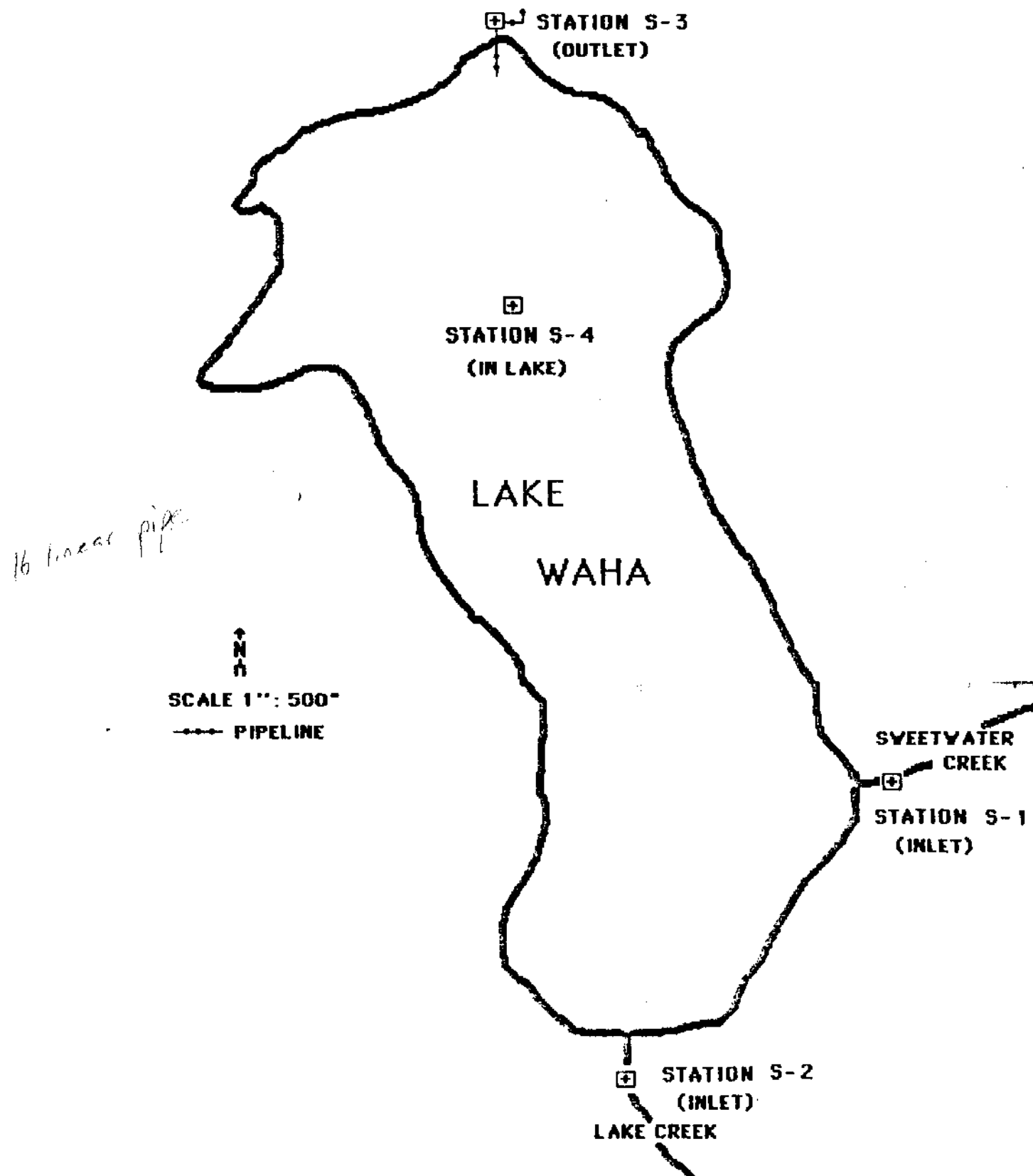


IDHW
DIVISION OF
ENVIRONMENTAL QUALITY

James M. Bellatty
Regional Administrator
North Central Idaho

1118 F. Street
Lewiston, Idaho 83501-1986
Tel: (208) 799-4370

FIGURE 1: STATION LOCATIONS FOR LAKE WAHA WATER QUALITY STUDY
DURING 1989 AND 1990



APPENDIX A: WANA S-1 AND S-2 DATA

STATION	DATE	FLOW CFS	CONCENTRATION in mg/l					S.S. mg/l	STAGE ft.	pH S.U.	TEMP C	BED.S. TON/DAY	TURB. NTU	COND. u/mhos
			NH3	NO2+NO3	TKN	TOTAL P	D.ORTHO P							
S-1	03/20/89	3.5	0.026	0.025	0.31	0.12	0.034	2	-	7.1	1.5	-	85	54
	03/27/89	7.4	0.011	0.024	0.26	0.09	0.034	102	0.75	7.0	3	-	75	51
	04/10/89	16.1	0.024	0.026	0.39	0.11	0.032	6	1.12	6.8	4.5	-	30	41
	04/18/89	24.1	0.027	-	0.20	0.09	0.038	20	1.60	7.0	6.5	-	25	37
	05/01/89	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	05/15/89	2.6	0.004	0.017	0.06	0.06	0.027	12	0.48	7.0	8	-	12	45
	06/13/89	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	07/17/89	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	08/22/89	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	09/25/89	0.0	-	-	-	-	-	-	-	-	-	-	-	-
	02/12/90	1.7	0.232	0.092	0.26	0.12	0.031	12	0.30	7.1	-1	-	35	-
	03/03/90	0.0	0.018	0.016	19.10	11.40	0.090	-	-	7.2	11	-	600	-
	03/12/90	0.0	0.005	0.010	0.22	0.10	0.034	6	-	7.5	5	-	23	40

STATION	DATE	FLOW CFS	CONCENTRATION in mg/l					S.S. mg/l	STAGE ft.	pH S.U.	TEMP C	BED.S. TON/DAY	TURB. NTU	COND. umhos
			NH3	NO2+NO3	TKN	TOTAL P	D.ORTHO P							
S-2	03/20/89	2.2	0.019	0.018	0.31	0.12	0.046	2		7.2	3.5	-	20	51
	03/27/89	8.5	0.011	0.001	0.27	0.08	0.046	20		7.0	4	-	95	50
	04/10/89	15.5	0.025	0.020	0.50	0.14	0.054	4		7.0	5	-	22	48
	04/18/89	6.4	0.029	0.001	0.21	0.10	0.041	12		6.8	6	-	22	44
	05/01/89	2.7	0.050	0.001	0.24	0.08	0.025	2		7.1	8	-	13	45
	05/15/89	0.4	0.022	0.001	0.07	0.08	0.039	2		7.0	13	-	10	50
	06/13/89	0.4	0.035	0.001	0.22	0.07	0.044	16		7.4	13	-	15	65
	07/17/89	0.0	-	-	-	-	-	-		-	-	-	-	-
	08/22/89	0.0	-	-	-	-	-	-		-	-	-	-	-
	09/25/89	0.0	-	-	-	-	-	-		-	-	-	-	-

APPENDIX B: WAHA S-1 AND S-2 LOADING

STATION	DATE	FLOW CFS	LOADING IN LBS/DAY					S.S. ton/day
			NH3	NO2+NO3	TKN	TOTAL P	O.ORTHO P	
S-1	03/20/89	3.5	0.48665	0.46793	5.80233	2.24606	0.63638	0.02
	03/27/89	7.4	0.43610	0.95150	10.30793	3.56813	1.34796	2.02
	04/10/89	16.1	2.08424	3.12636	33.86893	9.55277	2.77899	0.26
	04/18/89	24.1	3.50988	-	25.99908	11.69959	4.93983	1.30
	05/01/89	0.0	-	-	-	-	-	-
	05/15/89	2.6	0.05523	0.23475	0.82852	0.82852	0.37283	0.08
	06/13/89	0.0	-	-	-	-	-	-
	07/17/89	0.0	-	-	-	-	-	-
	08/22/89	0.0	-	-	-	-	-	-
	09/25/89	0.0	-	-	-	-	-	-
	02/12/90	1.7	2.06482	0.81881	2.31403	1.06801	0.27590	0.05
	03/03/90	0.0	-	-	-	-	-	-
	03/12/90	0.0	-	-	-	-	-	-
S-2	03/20/89	2.2	0.22034	0.20875	3.59510	1.39165	0.53347	0.01
	03/27/89	8.5	0.50256	0.04569	12.33554	3.65497	2.10161	0.46
	04/10/89	15.5	2.09018	1.67214	41.80350	11.70498	4.51478	0.17
	04/18/89	6.4	1.00738	0.03474	7.29485	3.47374	1.42423	0.21
	05/01/89	2.7	0.73358	0.01467	3.52120	1.17373	0.36679	0.01
	05/15/89	0.4	0.06343	0.00227	0.15858	0.18124	0.08835	0.00
	06/13/89	0.4	0.07929	0.00227	0.49841	0.15858	0.09968	0.02
	07/17/89	0.0	-	-	-	-	-	-
	08/22/89	0.0	-	-	-	-	-	-
	09/25/89	0.0	-	-	-	-	-	-

Figure : Waha Lake DO and Temp. Profile
4-18-89

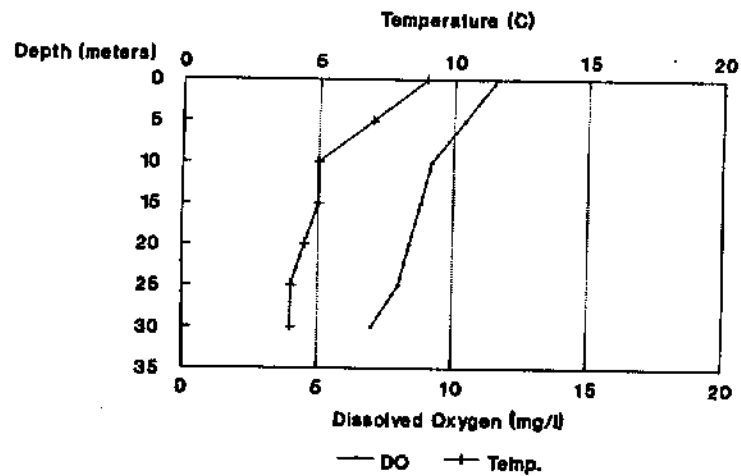


Figure : Waha Lake DO and Temp. Profile
5-15-89

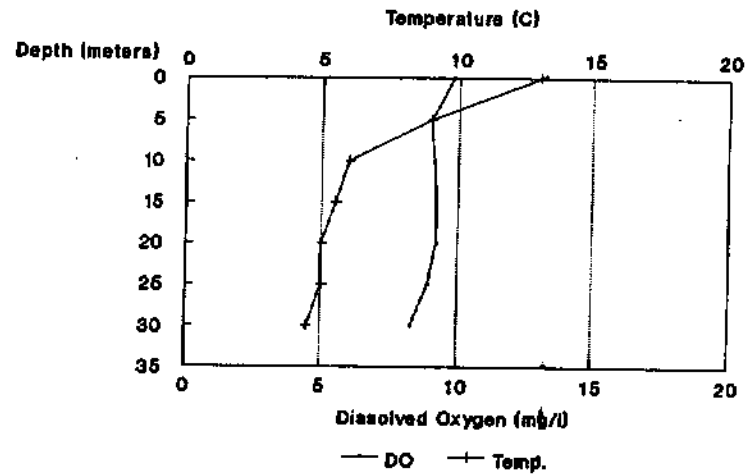


Figure : Waha Lake DO and Temp. Profile
6-13-89

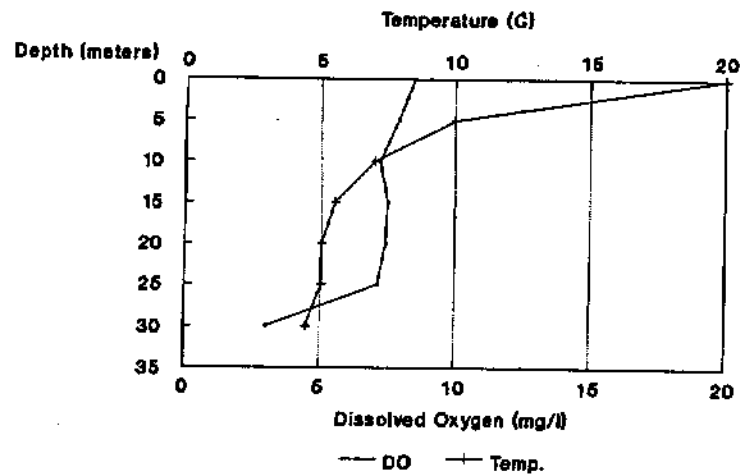


Figure : Waha Lake DO and Temp. Profile
7-17-89

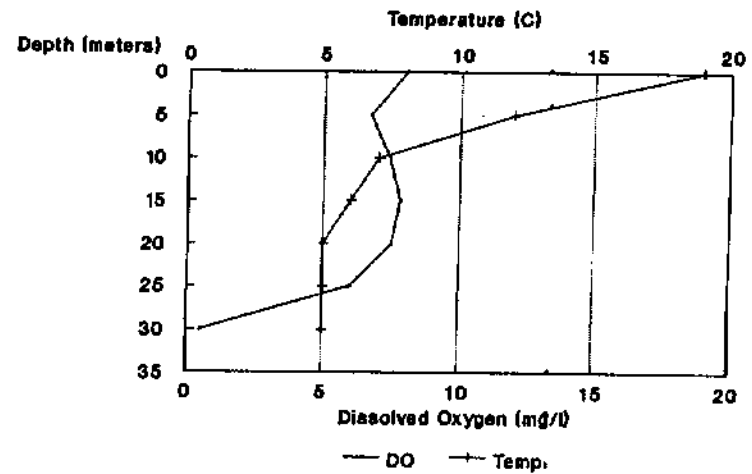


Figure : Waha Lake DO and Temp. Profile
8-22-89

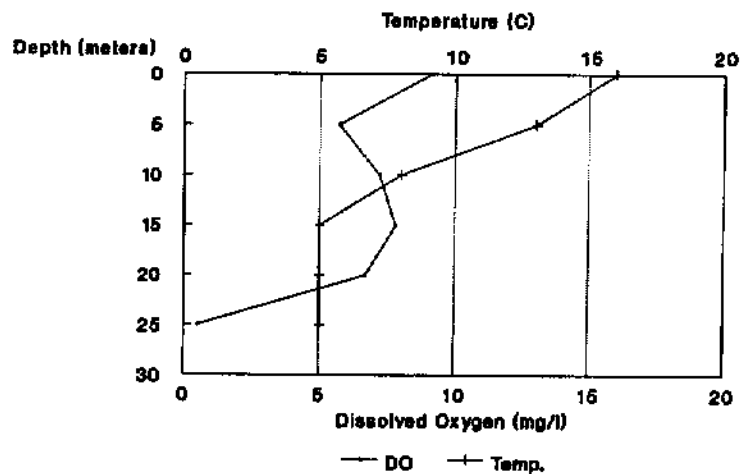


Figure : Waha Lake DO and Temp. Profile
9-26-89

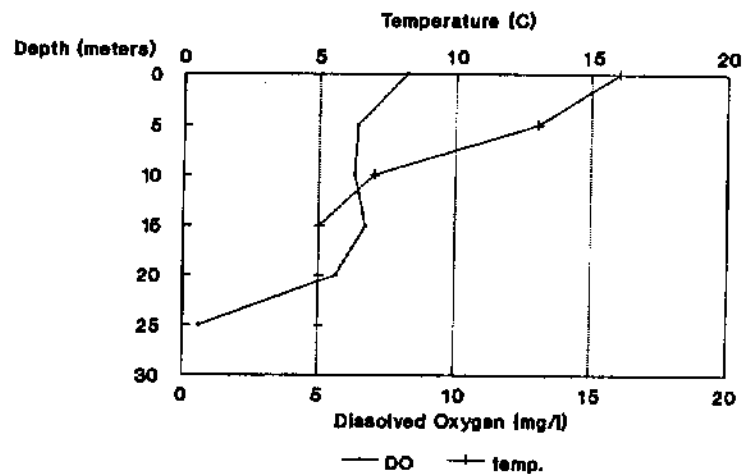


Figure : Waha Lake DO and Temp. Profile
10-30-89

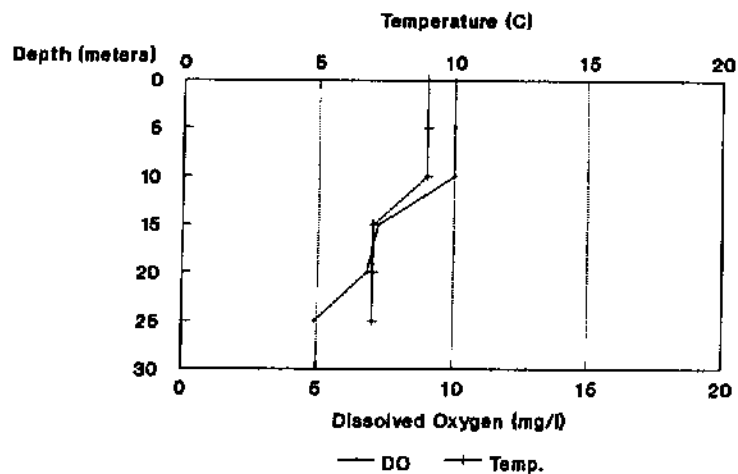


Figure : Waha Lake DO and Temp. Profile
11-27-89

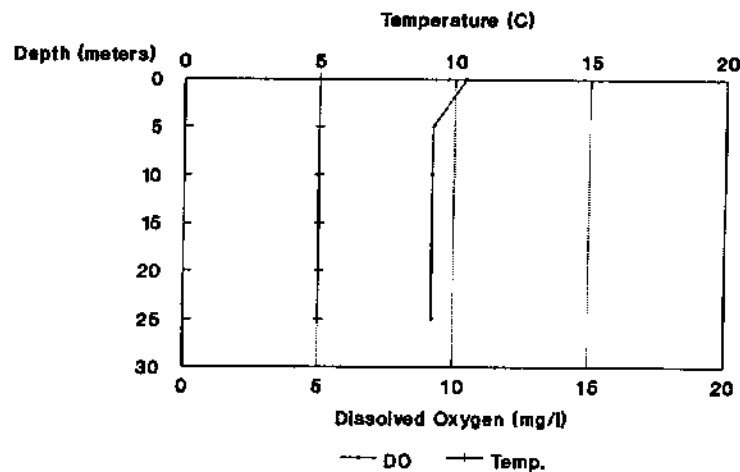


Figure : Waha Lake DO and Temp. Profile
12-2-89

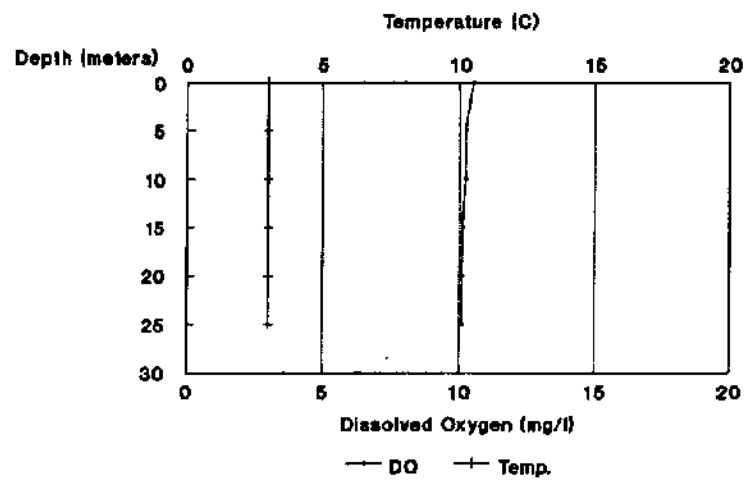
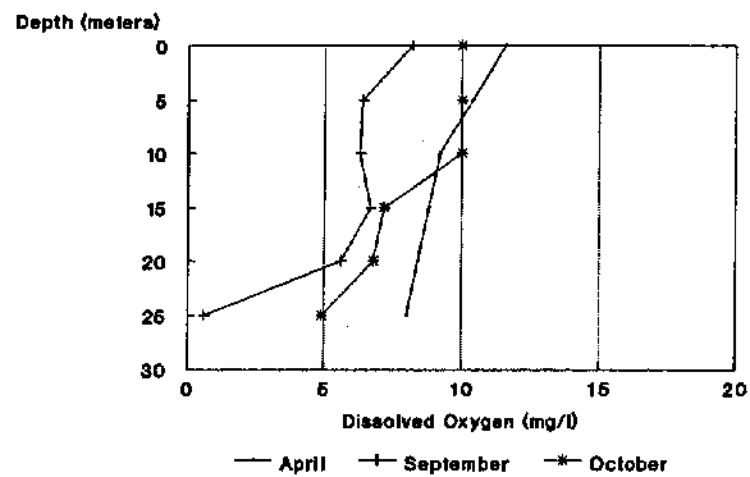


Figure : Waha Lake DO Profiles
April, September, October 1989



Dissolved Oxygen & Temperature Profiles Waha Lake - August 20, 1991.

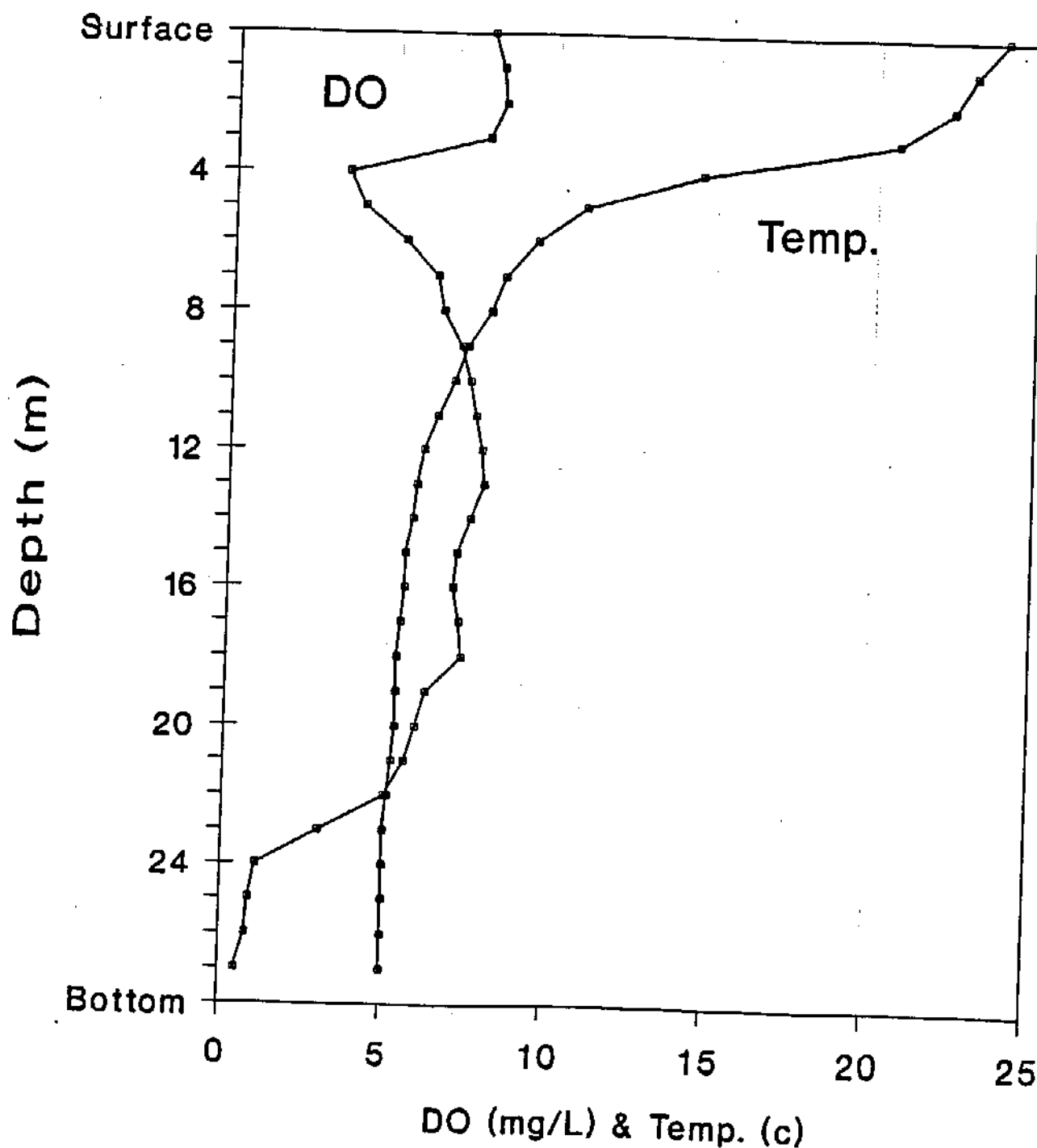


Figure 15.

Figure : Waha Lake DO and Temp. Profile
4-19-89

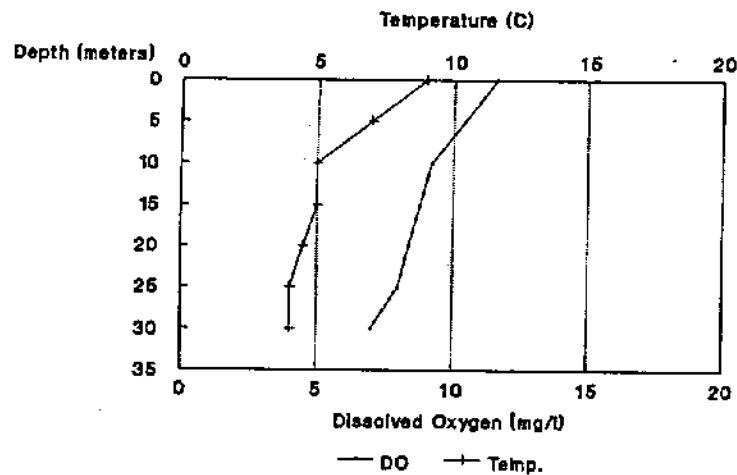


Figure : Waha Lake DO and Temp. Profile
5-15-89

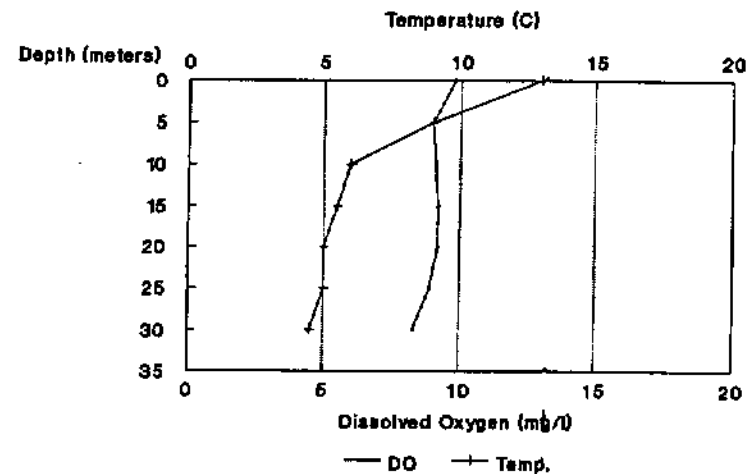


Figure : Waha Lake DO and Temp. Profile
6-13-89

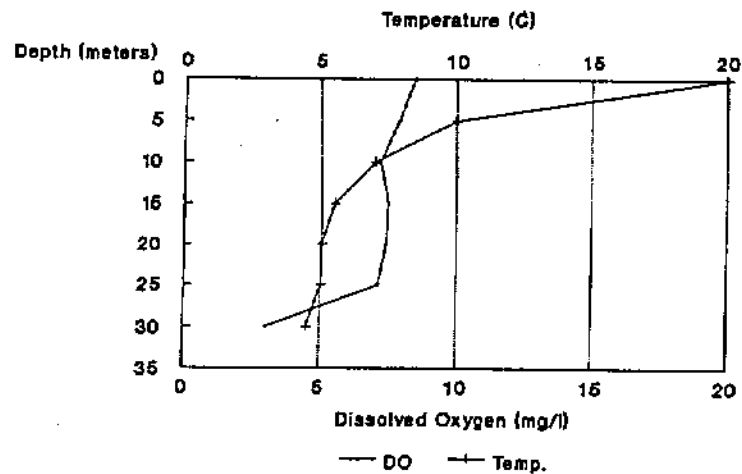


Figure : Waha Lake DO and Temp. Profile
7-17-89

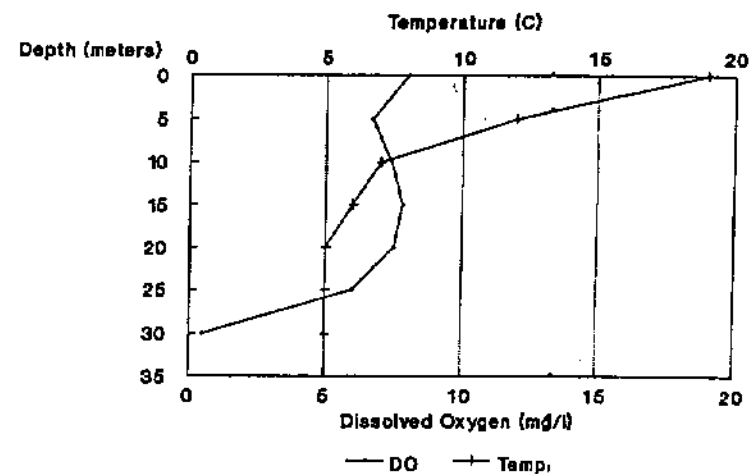


Figure : Waha Lake DO and Temp. Profile
8-22-89

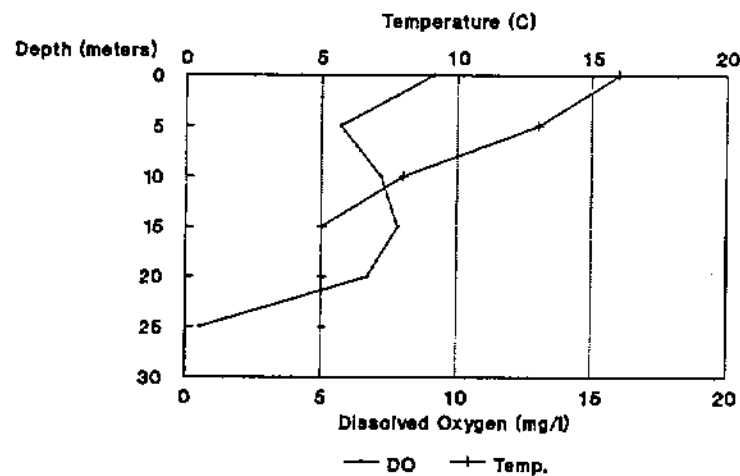


Figure : Waha Lake DO and Temp. Profile
9-25-89

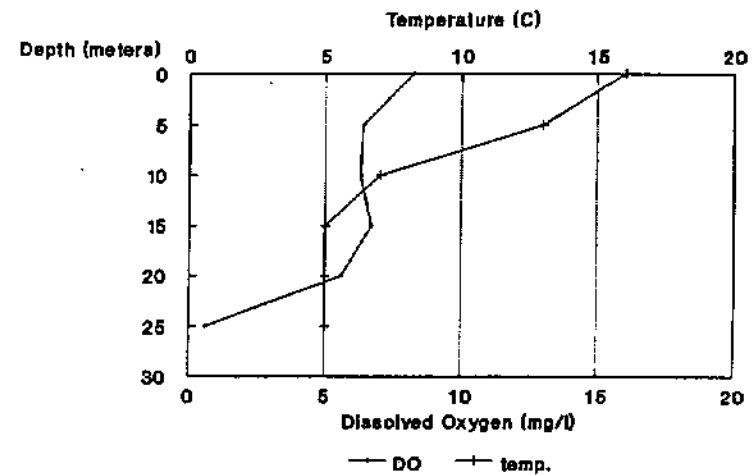


Figure : Waha Lake DO and Temp. Profile
10-30-89

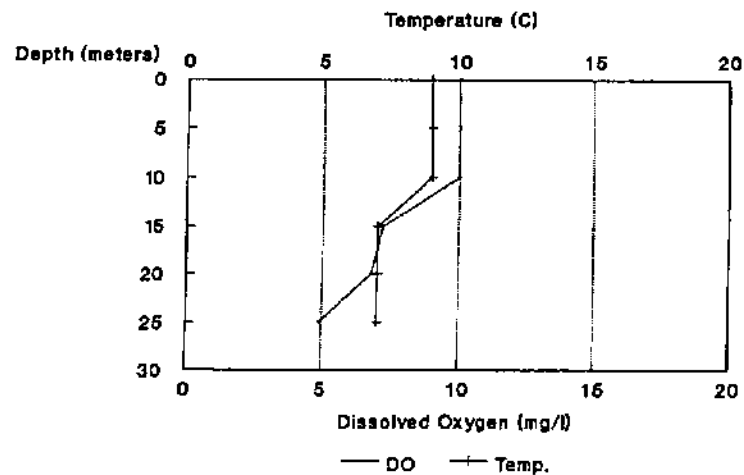


Figure : Waha Lake DO and Temp. Profile
11-27-89

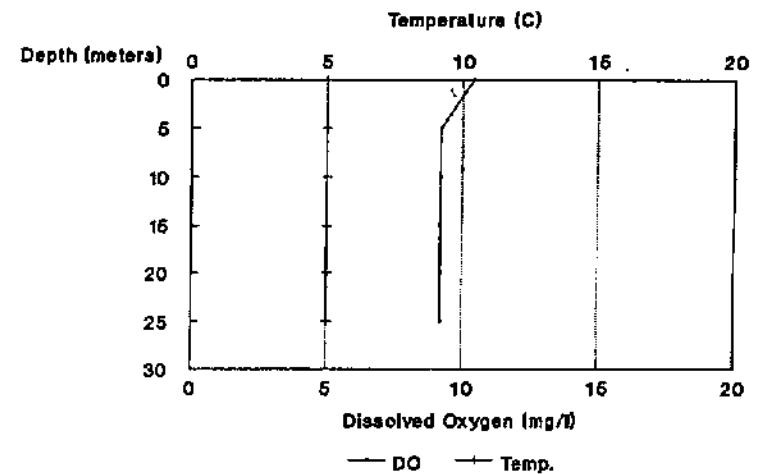


Figure : Waha Lake DO and Temp. Profile
12-2-89

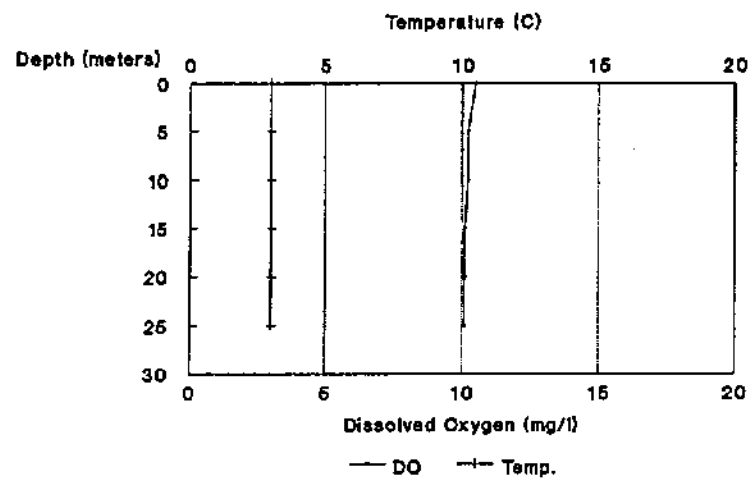
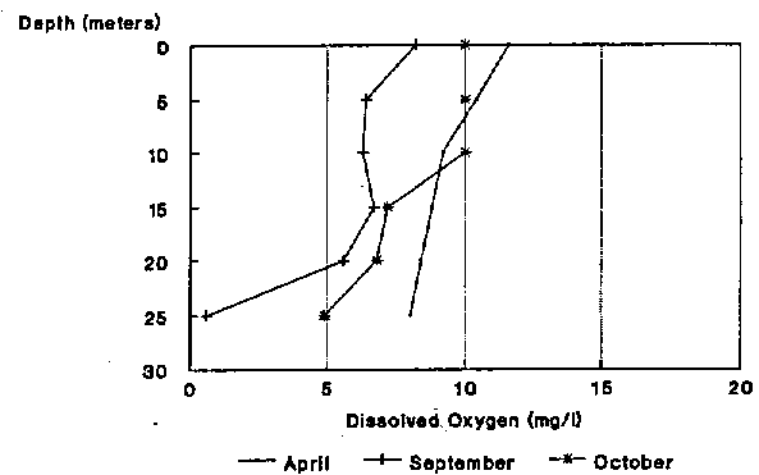


Figure :Waha Lake DO Profiles
April, September, October 1989



Dissolved Oxygen & Temperature Profiles Waha Lake - August 20, 1991.

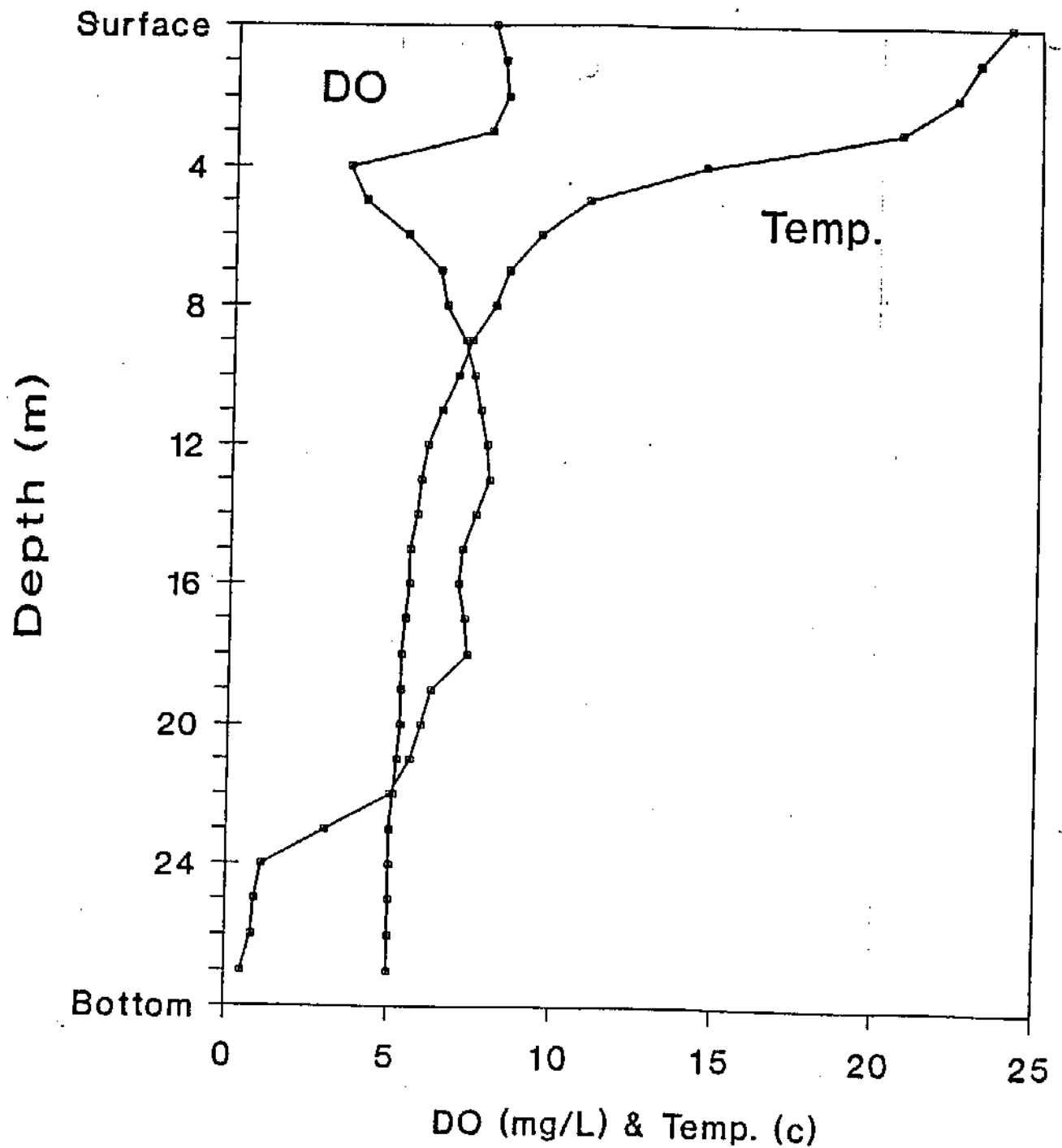


Figure 15.