

Appendix 8
TYPICAL RIVER MONITORING REPORT FORM

Date sampled: DEC. 28/89

THE CITY OF WINNIPEG
WATERWORKS, WASTE AND DISPOSAL DEPARTMENT
LABORATORY SERVICES DIVISION

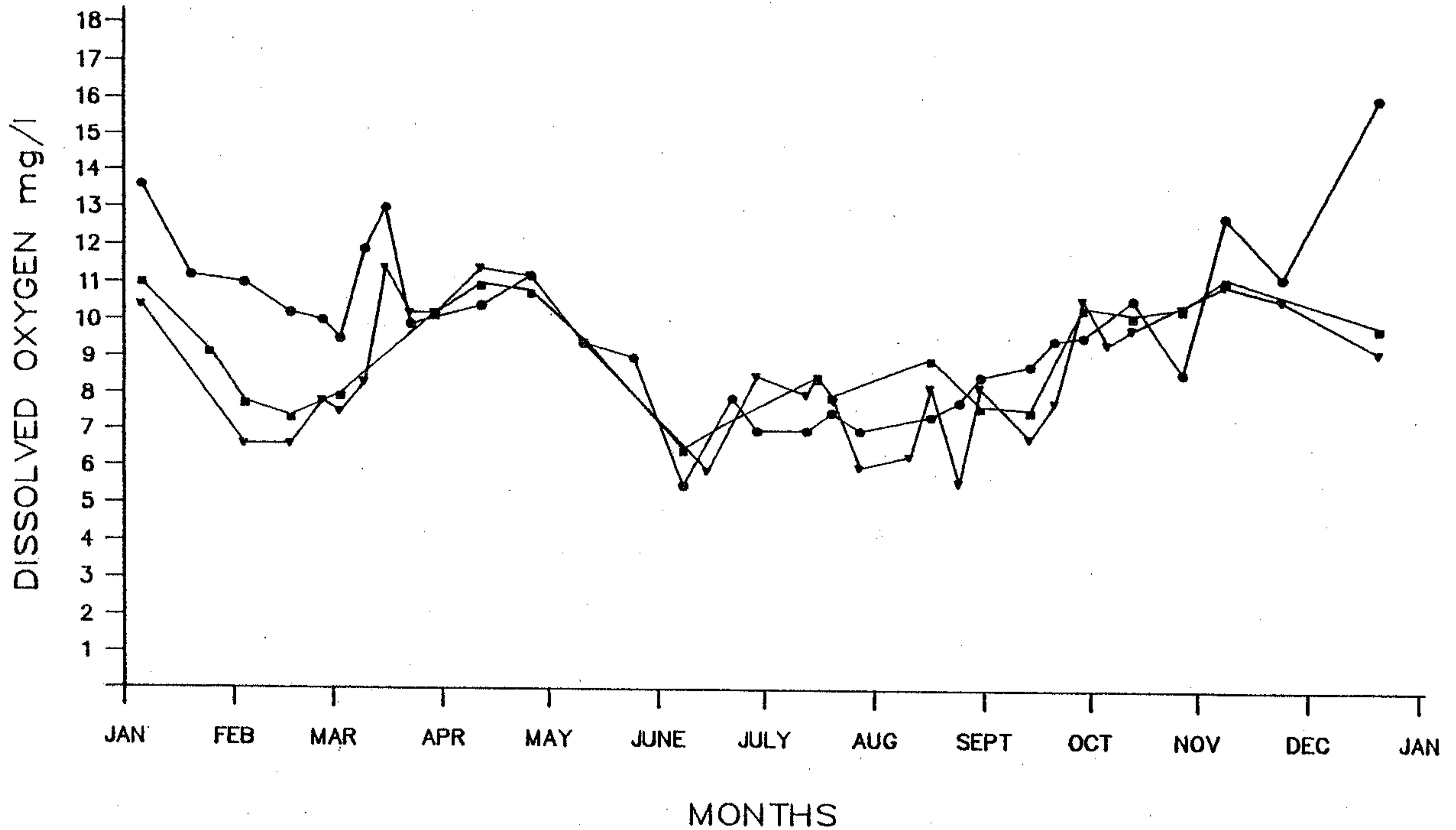
RIVER ANALYSIS REPORT

Location:	parameter	unit	RED RIVER					Assiniboine River			RED RIVER proposed interio objectives		
			Floodway Control	Fort Garry Bridge	Norwood Bridge	Redwood Bridge	North Perimeter Bridge	Lockport Bridge N. of bridge	S. of bridge	Headingley		West Perimeter Bridge	Main Street Bridge
	TEMPERATURE	C.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
	DISSOLVED OXYGEN	mg/l	12.4	10.6	10.4	8.3	8.6	10.0	8.0	9.6	8.0		
	% SATURATION		87	74	73	58	60	70	56	67	56	47% min.	
	pH	units	8.4	8.2	7.3	7.8	7.8	7.8	7.9	7.9	7.4	6.0-9.0	
	TOTAL SOLIDS	mg/l	966	XX			228	986	XXXXXXXXXXXXXXXXXXXX	2182	XXXXXXXXXXXXXXXXXXXX	1330	1500 max.
	SUSPENDED SOLIDS	mg/l	19	XX			10	9	XXXXXXXXXXXXXXXXXXXX	1038	XXXXXXXXXXXXXXXXXXXX	214	
	TURBIDITY	n.t.u.	122	XX			8.5	6.2	XXXXXXXXXXXXXXXXXXXX	820	XXXXXXXXXXXXXXXXXXXX	94	25 max.
	TOTAL ORG. CARBON	mg/l	33	30	29	37	25	32	XXXXXXXXXXXXXXXXXXXX	68	25	48	
	TOTAL COLIFORM	org./100 ml.	40	92000	29000	12000	14000	1000		200	4000	3000	1000-MED.
			60	104000	25000	9000	7000	1000		600	1000	4000	
	FECAL COLIFORM	org./100 ml.	<10	10400	3500	2000	900	300		50	700	100	400-MED.
			<10	8800	3400	1600	500	300		20	900	100	
	ENTEROCOCCUS GROUP	org./100 ml.	30	>3000	880	230	290	90		50	60	390	
			<10	>3000	610	290	310	160		20	100	290	
	TOTAL PHOSPHORUS	mg/l P	0.10	0.70	XX		0.45	0.25	XXXXXXXXXXXXXXXXXXXX	1.35	XXXXXXXXXXXXXXXXXXXX	0.90	
	TOTAL KJELDAHL N	mg/l N	1.0	4.0	XX		4.5	4.5	XXXXXXXXXXXXXXXXXXXX	5.5	XXXXXXXXXXXXXXXXXXXX	4.0	
	AMMONIA N	mg/l N	<0.02	2.40	XX		3.70	4.20	XXXXXXXXXXXXXXXXXXXX	0.64	XXXXXXXXXXXXXXXXXXXX	0.61	
	un-ionized AMMONIA (calc.)	mg/l N	0.0004	0.0336	XX		0.0208	0.0236	XXXXXXXXXXXXXXXXXXXX	0.0045	XXXXXXXXXXXXXXXXXXXX	0.0014	0.0165 max
	NITRATE NITRITE N	mg/l N	0.04	0.10	XX		0.40	0.40	XXXXXXXXXXXXXXXXXXXX	0.62	XXXXXXXXXXXXXXXXXXXX	0.64	30 max.
	ICE THICKNESS	cm	70	30	60	60	5	90		80	40	40	

COMMENTS:

CC: MANAGER OF LAB SERVICES
WASTE DISPOSAL ENGINEER
INDUSTRIAL WASTE CONTROL SUPERVISOR
D. BROWN (Environmental Management Div.-Prov. of Man.)
Mayor-TOWN OF SELKIRK
M. DIBYK (R.M. of WEST ST. PAUL)

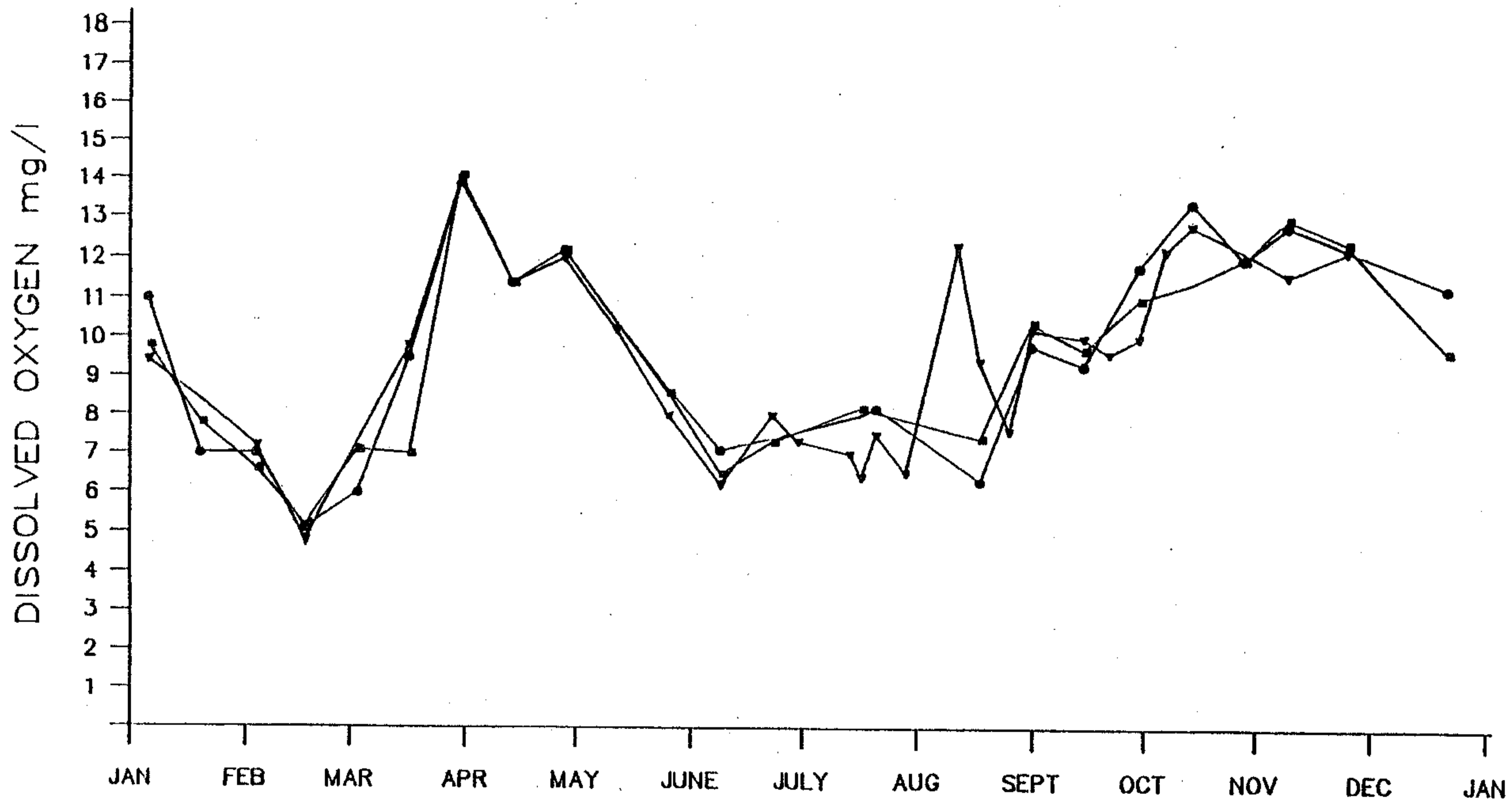
Technician: R.M.PENDIK
Approved for distribution: *D.M. Ayles*



- SOUTH FLOODWAY
- REDWOOD
- ▲ NORTH PERIMETER

1988 RED RIVER
DISSOLVED OXYGEN VS
TIME OF YEAR

FIGURE 6.1



- ——— ● HEADINGLEY
- ——— ■ WEST PERIMETER
- ▲ ——— ▲ MAIN ST. BRIDGE

1988 ASSINIBOINE RIVER
DISSOLVED OXYGEN VS
TIME OF YEAR