

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

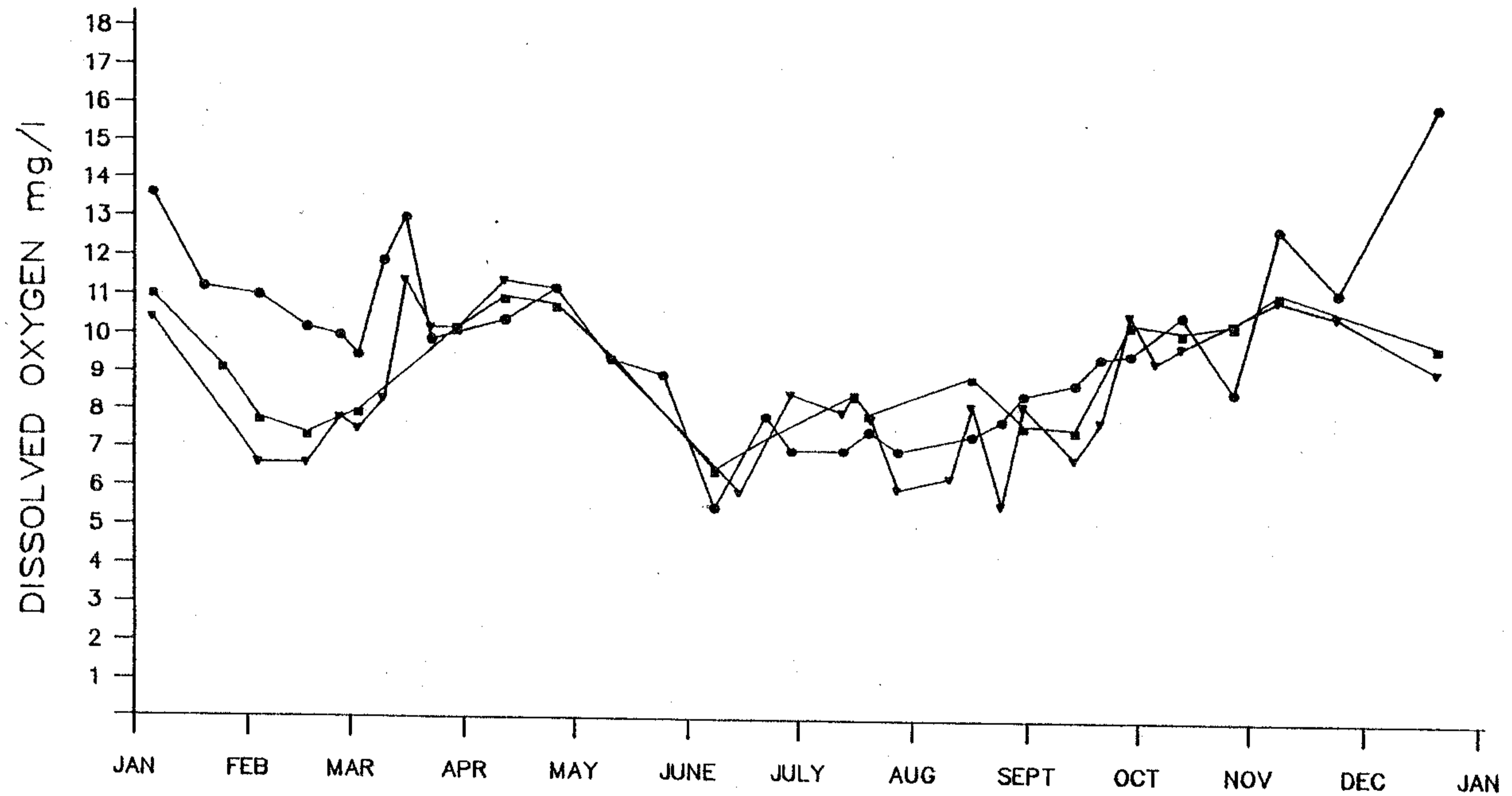
Location:	parameter	unit	RED RIVER					Assiniboine River			RED RIVER proposed interim objectives		
			Floodway Control	Fort Garry Bridge	Norwood Bridge	Redwood Bridge	North Perimeter Bridge	Lockport Bridge N.of bridge	S.of bridge	Headingly		West Perimeter Bridge	Main Street Bridge
	TEMPERATURE	C.	1.0	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	472 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 60	92000 104000	29000 25000	12000 9000	14000 9000	1000 1000		200 600	4000 1000	3000 4000	1000-MED.
	FECAL COLIFORM	org./100 ml.	<10 <10	10400 8800	3500 3400	2000 1600	900 500	300 300		30 20	700 900	100 100	400-MED.
	ENTEROCOCCUS GROUP	org./100 ml.	30 <10	>3000 >3000	880 610	230 290	290 310	90 160		50 20	60 100	390 290	
	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. BRONN (Environmental Management Div.-Prov. of Man.)
Mayor-TOWN OF SELKIRK
M. BIDYK (R.N. of WEST ST. PAUL)

Technician: R.M.PENDIK

Approved for distribution: *D.M. Acoles*



- SOUTH FLOODWAY
- REDWOOD
- ▲ NORTH PERIMETER

1988 RED RIVER
DISSOLVED OXYGEN VS
TIME OF YEAR

FIGURE 6.1