

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:	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		
parameter	unit											
TEMPERATURE	C.											
	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0		
DISSOLVED OXYGEN	12.4	10.6	10.4	8.3	8.6	10.0		8.0	9.6	8.0		
Z SATURATION	87	74	73	58	60	70	0	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	6.0-7.0	
TOTAL SOLIDS	966	XX			228	986	XXXXXXXXXXXXXXXXXXXX	2182	XXXXXXXXXXXXXXXXXXXX	1330	1500 max.	
SUSPENDED SOLIDS	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	9000	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	700	100		
ENTEROCOCCUS GROUP	org./100 ml.											
	30	>3000	880	230	270	90		50	60	370		
	<10	>3000	610	270	310	160		20	100	270		
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
N. DIDYK (R.N. of WEST ST. PAUL)

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

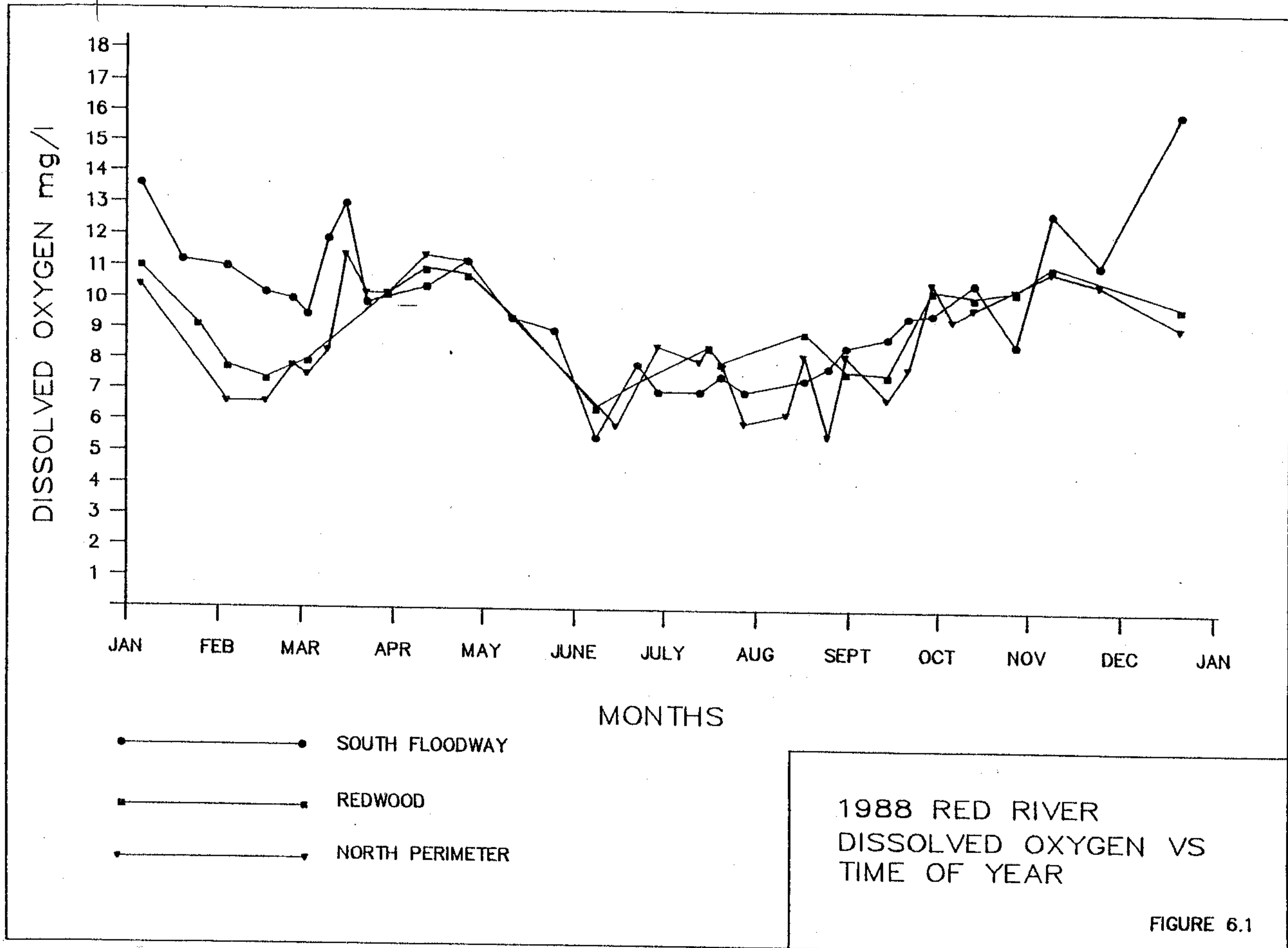


FIGURE 6.1