

LAKE SURVEY DATA

SURVEYED BY: T.G.N., G.E.S. DATE SURVEYED: JUNE 25, 1951.
NAME: OKANAGAN LAKE. MAP REF. CODE NO. 82E/12

DATA ON FILE:

Physical Data	_____	Fish Samples	_____ ✓
Geography	_____	Stomach Analysis	_____
Chemical	_____ ✓	Scale Reading	_____ ✓
Flora	_____	Resort & Campsite	_____
Invertebrates	_____ ✓	Habitation	_____
Temperature Series	_____ ✓	Access	_____
Obstructions & Pollutions	_____	Oxygen	_____ ✓
Stocking	_____ ✓	Photography	_____
General Information	_____	Rehabilitation	_____ Year _____
Miscellaneous	_____ ✓		

LOCATION: Head of Okanagan R. - Osoyoos District.

Latitude, Longitude 49° 11' 49" N.W. 50° 0' 119" 28'

Drainage System Okanagan R. - Columbia River.

Elevation L.W. 1,130', H.W. 1,135'

PHYSICAL DATA:

Surface Area	<u>85 107</u>	Volume	_____
Shoreline Development	<u>81,484 acres.</u>	Shoreline Perimeter	_____
Maximum Depth	_____	Mean Depth	_____
Total Dissolved Solids	<u>162' PPM.</u>	Secchi's Disc	<u>15'</u>

GEOGRAPHY:

Local Geography:

Lake Drainage:

LAKE: . . . OKANAGAN LAKE

TEMPERATURE: July 25/51 STN. I. 0 -- 200' O.C. 0950 Hrs. Calm
 July 26/51 STN. II 0 -- 1230 Hrs. 0/10 O.C. Calm
 July 26/51 STN. III 0 -- 11' (B) 1500 Hrs. 0/10 O.C. Calm

LIGHT PENETRATION: July 25/51 STN. I. Secchi Reading 13'
 July 26/51 STN. II Secchi Reading 20'
 July 26/51 STN. III Secchi Reading 8'

OXYGEN: July 25/51 STN. I 25' 40' 60' 200' 15'
 July 26/51 STN. II 240' 60' 85' 10'
 July 26/51 STN. III 1' 4' 10'

DISSOLVED SOLIDS:

DATE	T.D.S.	BREAKDOWN			
July 25-26/51	160 P.P.M.	Ca	In P.P.M. 64.6	K	11.0
		SO ₄	24.4	Na	13.0
		Cl	1.3		
SP. COND.		Fe	0		
		Mg	9.8		

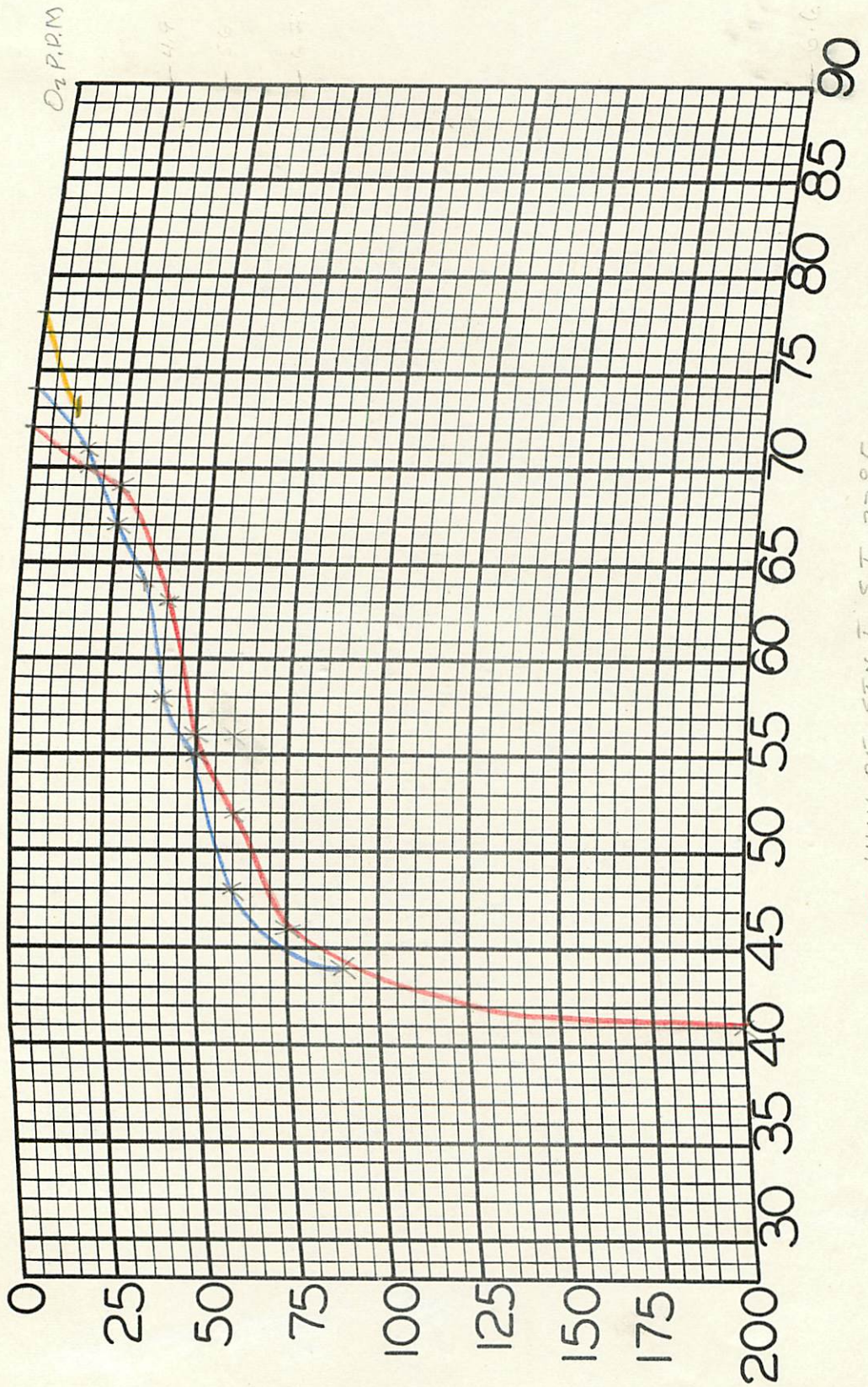
MISCELLANEOUS:

T.D.S. 164 P.P.M.

BREAKDOWN
In P.P.M.

Ca 39.9 Mg 8.1
 SO₄ 15.8 K 29
 Cl 5.2 Na 11.0
 Fe 0.03

	T.D.S	SP. COND.
Dec. 7/53 Peachland	175 PPM	1.87×10^{-4} x 1.14
" " SummerlandH	295 PPM	3.46×10^{-4} x 1.14
" " "	257 PPM	3.00×10^{-4} x 1.14
" " Summerland H.Water	380 PPM	4.44×10^{-4} x 1.14



— JULY 25 STN I S.T. 72°F
 — JULY 26 STN II S.T. 74°F
 — JULY 26 STN III S.T. 78°F

OKANAGAN LAKE

