

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
	Benzene	Trace		
	Fluoranthene	Trace		
	Fluorene	Trace		
	N-Nitroso-di-n-propylamine	Trace		
	N-Nitrosodiphenylamine	Trace		
	O-Xylene	Trace		
	Toluene	Trace		
	Pesticides	B.D.		
28B	Benzene hexachloride (alpha isomer)	Trace	Zinc	77
	Benzene hexachloride (beta isomer)	Trace	Lead	71
	DDT	Trace		
	Heptachlor	Trace		
	Phenanthrene	Trace		
	Volatiles	B.D.		
29B	2,4-Dimethylphenol	53	Barium	240
	2-Chlorophenol	42	Antimony	73
	3-Chlorophenol	33		
	Phenol	33		
	2,4-Dichlorophenol	30		
	Acenaphthene	22		
	1,2-Dichlorobenzene	15		
	1,3-Dichlorobenzene	15		
	Bis(2-Chloroethoxy)-methane	14		
	N-Nitrosodiphenylamine	14		
	Chloroform	13		
	Anthracene	9		
	Toluene	6		
	Bromodichloromethane	5		
	1,1-Dichloroethene	Trace		
	1,1,2,2-Tetrachloroethane	Trace		
	1,4-Dichlorobenzene	Trace		
	2-Chlorotoluene	Trace		
	3-Chlorotoluene	Trace		
	4-Chlorotoluene	Trace		
	Benzene	Trace		
	Chlorobenzene	Trace		
	Dibromochloromethane	Trace		
	Ethyl benzene	Trace		
	M-Xylene	Trace		
	Naphthalene	Trace		
	O-Xylene	Trace		
	P-Xylene	Trace		
	Pesticides	B.D.		

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
31B	Chloroform	13.33	Zinc	100
	Benzene hexachloride (alpha isomer)	.05	Barium	27
	Benzene hexachloride (delta isomer)	.018		
	Benzene hexachloride (gamma isomer)	.012		
	2,4-Dichlorotoluene	Trace		
	Chrysene	Trace		
	Phenanthrene	Trace		
	Pesticides	B.D.		
	Volatiles	B.D.		
37B	Phenol	14	Zinc	27
	Chloroform	7	Barium	14
	Benzene hexachloride (gamma isomer)	Trace		
39B	Chloroform	12.35	Barium	180
	Phenol	7	Copper	59
	Benzene hexachloride (gamma isomer)	Trace		
	Bromodichloromethane	Trace		
	Dibromochloromethane	Trace		
	Pesticides	B.D.		
41B	2,4 Dichloro- phenol	15	Barium	700
	Chloroform	10	Antimony	120
	Benzene hexachloride (alpha isomer)	.006		
	2,4,6-Trichlorophenol	Trace		
	Benzene	Trace		
	Diethylphthalate	Trace		
	Naphthalene	Trace		
	Pentachlorophenol	Trace		
	Phenol	Trace		
	Tetrachloroethene	Trace		
	Toluene	Trace		
	Trans-1,2,-Dichloro- ethene	Trace		
42B	Pesticides	B.D.	Lead	100
	Volatiles	B.D.	Antimony	80
43B	1,1,1-Trichlorethane	3	Barium	340
	Chloroform	1.09	Zinc	160
	Diethylphthalate	.13		
	Aldrin	Trace		

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
45B	Heptachlor	Trace		
	Pesticides	B.D.		
	Volatiles	B.D.		
	Toluene	10	Barium	1600
	Chloroform	8	Antimony	330
	1,1,1-Trichloroethane	1		
	Aldrin	Trace		
	Benzene hexachloride (alpha isomer)	Trace		
	Benzene hexachloride (gamma isomer)	Trace	Barium	310
	Bromodichloromethane	Trace	Zinc	110
	Heptachlor	Trace		
46B	M-Xylene	22		
	P-Xylene	22		
	Toluene	16		
	O-Xylene	15		
	Ethyl benzene	7		
	Benzene	5		
	Aldrin	Trace		
	Benzene hexachloride (alpha isomer)	Trace		
	Benzene hexachloride (gamma isomer)	Trace		
	DDT	Trace		
	Dieldrin	Trace	no data	
	Heptachlor	Trace		
	Tetrachloroethene	Trace		
49B	Chloroform	6	Zinc	45
	Phenol	5	Barium	5
	Pesticides	B.D.		
50B	Phenol	9		
	Phenanthrene	Trace	Zinc	90
	Volatiles	B.D.	Lead	80
52B	Chloroform	24		
	Benzene hexachloride (alpha isomer)	.007		
	Diethylphthalate	Trace	Barium	760
	Pesticides	B.D.	Antimony	95
55B	Benzene	Trace		
	Butylbenzylphthalate	Trace		
	Chloroform	Trace		
	Toluene	Trace		
	Pesticides	B.D.		

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
56B	Pesticides	B.D.	Cadmium	27
	Volatiles	B.D.	Zinc	18
63B	Pesticides	B.D.	Antimony	52
	Volatiles	B.D.	Barium	48
64B	Toluene	13	Barium	210
	M-Xylene	11	Zinc	64
	P-Xylene	11		
	Pesticides	B.D.		
65B	3-Chlorotoluene	Trace	Barium	1400
	Bromomethane	Trace	Antimony	350
	Chloroform	Trace		
	Cyclohexane	Trace		
	Dimethyl Cyclohexane	Trace		
	Fluorene	Trace		
	M-Xylene	Trace		
	Methyl Cyclopentane	Trace		
	O-Xylene	Trace		
	P-Xylene	Trace		
	Pesticides	B.D.		
66B	Pesticides	B.D.	Antimony	60
	Volatiles	B.D.	Lead	60
71B	Chlorobenzene	17	Zinc	76
	Pesticides	B.D.	Copper	13
72B	Benzene hexachloride (alpha isomer)	Trace	Zinc	52
	Chloroform	Trace	Barium	51
	Toluene	Trace		
73B	Toluene	12	Antimony	120
	Pesticides	B.D.	Lead	110
76B	M-Xylene	6	Barium	240
	O-Xylene	5	Zinc	23
	Toluene	5		
	Chloroform	2		
	Ethyl benzene	2		
	Aldrin	Trace		
	Benzene hexachloride (beta isomer)	Trace		
	Benzene hexachloride (gamma isomer)	Trace		
	DDE	Trace		
	Mirex	Trace		

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
77B	3-Chlorotoluene	35	Barium	160
	4-Chlorotoluene	35	Zinc	52
	Toluene	26		
	Pesticides	B.D.		
79B	Acrolein	50	Zinc	39
	Chloroform	5	Barium	17
	Aldrin	Trace		
	Benzene hexachloride (alpha isomer)	Trace		
	Benzene hexachloride (beta isomer)	Trace		
	Benzene hexachloride (gamma isomer)	Trace		
	Benzene hexachloride (delta isomer)	Trace		
	DDT	Trace		
	Dieldrin	Trace		
	Heptachlor	Trace		
80B	Benzene hexachloride (alpha isomer)	Trace	Zinc	99
	Benzene hexachloride (beta isomer)	Trace	Antimony	32
	Benzene hexachloride (delta isomer)	Trace		
	Mirex	Trace		
	Volatiles	B.D.		
81B	Pesticides	B.D.	Barium	34
	Volatiles	B.D.	Zinc	17
83B	Pesticides	B.D.	Barium	72
	Volatiles	B.D.	Zinc	14
84B	Pesticides	B.D.	Barium	50
			Zinc	44
87B	Pesticides	B.D.	Barium	37
	Volatiles	B.D.	Zinc	16
89B	DDT	.2	Lead	96
	Volatiles	B.D.	Zinc	75
96B	3-Chlorotoluene	62	Barium	53
	Endosulfan Sulfate	.06	Zinc	15
	Aldrin	.007		
	Bromodichloromethane	Trace		

Well No.	<u>Organic</u>		<u>Metal</u>	
	Type	Concentration (ug/L)	Type	Concentration (ug/L)
	Chloroform	Trace		
	Dibromochloromethane	Trace		
	M-Xylene	Trace		
	Naphthalene	Trace		
	O-Xylene	Trace		
	P-Xylene	Trace		
	Toluene	Trace		
98B	Endosulfan Sulftate	.06	Barium	33
	1,1-Dichloroethene	Trace	Zinc	7
	Di-n-octylphthalate	Trace		
99B	Endosulfan Sulfate	.15	Barium	383
	Benezene hexachloride (beta isomer)	.07	Zinc	14
	Bromomethane	Trace		
	Chloroform	Trace		
	M-Xylene	Trace		
	P-Xylene	Trace		
101B	Pesticides	B.D.	Zinc	56
	Volatiles	B.D.	Antimony	42
103B	Di-n-octylphthalate	16	Zinc	37
	Pesticides	B.D.	Barium	36
	Volatiles	B.D.		
104B	4-Nitrophenol	9	Barium	150
	Diethylphthalate	7	Zinc	20
	2-Chlorotoluene	5		
	Chloroform	5		
	3-Chlorotoluene	3		
	1,2,3,4-Tetrachloro- benzene	Trace		
	1,2,4-Trichlorobenzene	Trace		
	2-Chlorophenol	Trace		
	2,3,6-Trichlorophenol	Trace		
	2,4-Dichlorotoluene	Trace		
	Butylbenzylphthalate	Trace		
	Phenol	Trace		
	Pesticides	B.D.		
	Volatiles	B.D.		
108B	3-Chlorotoluene	Trace	Barium	36
	Bromodichloromethane	Trace	Zinc	20
	Chloroform	Trace		
	DiBromochloromethane	Trace		
	Endosulfan Sulfate	Trace		
	M-Xylene	Trace		

Well No.	Type	<u>Organic</u>	Type	<u>Metal</u>
		Concentration (ug/L)		Concentration (ug/L)
109B	O-Xylene	Trace		
	P-Xylene	Trace		
	O-Xylene	68	Barium	105
	M-Xylene	62	Zinc	9
	P-Xylene	62		
	3-Chlorotoluene	13		
	Heptachlor epoxide	.1		
	Endosufan sulfate	.09		
	Benzene hexachloride (alpha isomer)	.04		
	Benzene hexchloride (gamma isomer)	.02		
	1,1-Dichloroethene	Trace		
	Benzene	Trace		
	Bromodichloromethane	Trace		
	Butylbenzylphthalate	Trace		
	Chlorobenzene	Trace		
	Chloroform	Trace		
	Di-n-octylphthalate	Trace		
	Tetrachloroethene	Trace		
	Toluene	Trace		
	Vinyl chloride	Trace		
	112B	M-Xylene	105	Barium
P-Xylene		105	Zinc	26
O-Xylene		92		
Toluene		16		
3-Chlorotoluene		13		
Benzene		Trace		
Chlorobenzene		Trace		
Di-n-octylphthalate		Trace		
Endosulfan Sulfate		Trace		
Tetrachloroethene		Trace		

APPENDIX IV

Total Organic Carbon, Specific Conductance and pH
Data For Overburden and Lockport Dolomite Wells

Note: Data obtained from JRB Associates (1981)

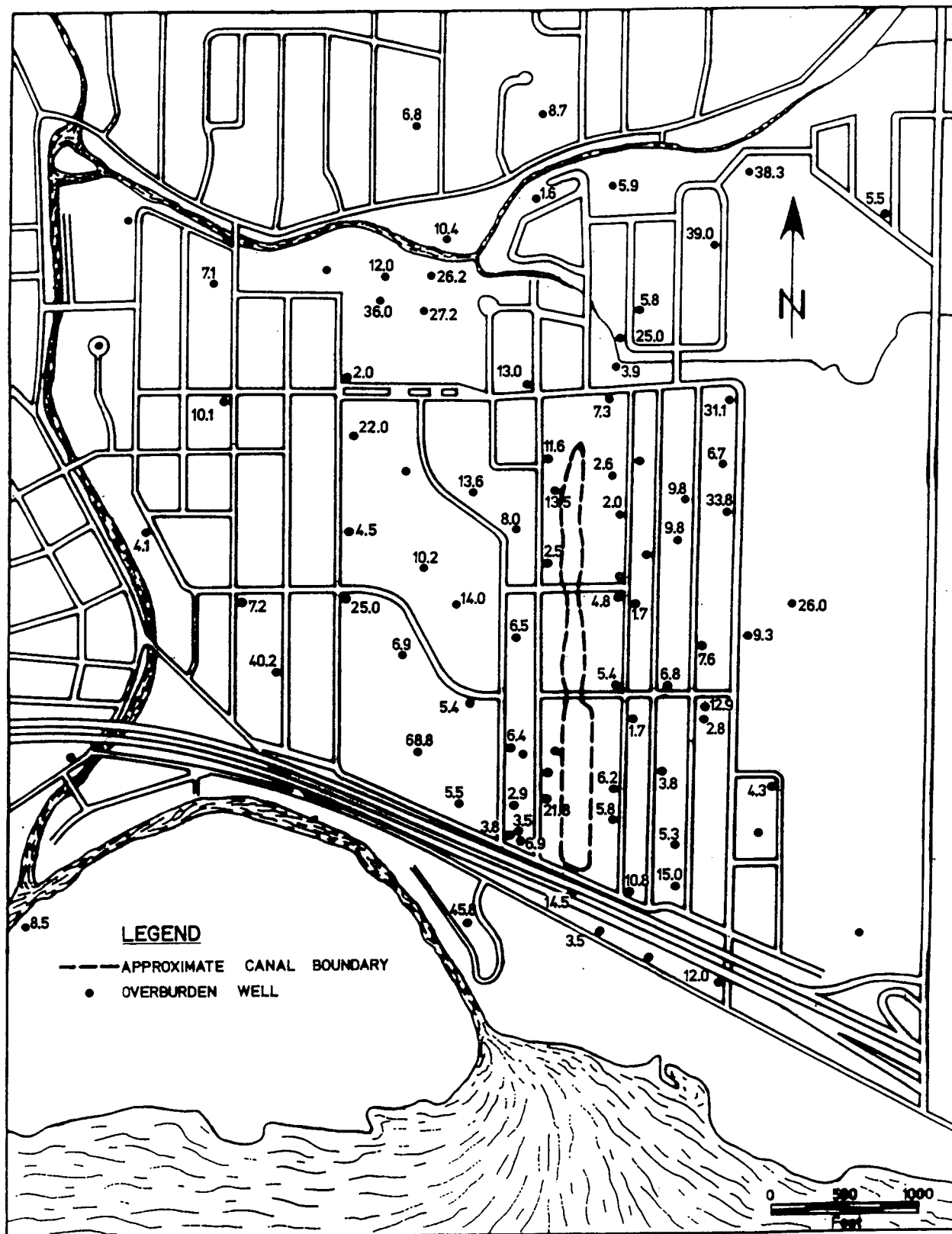


Figure IV - 1. Concentration (ppb) of total organic carbon in overburden wells.

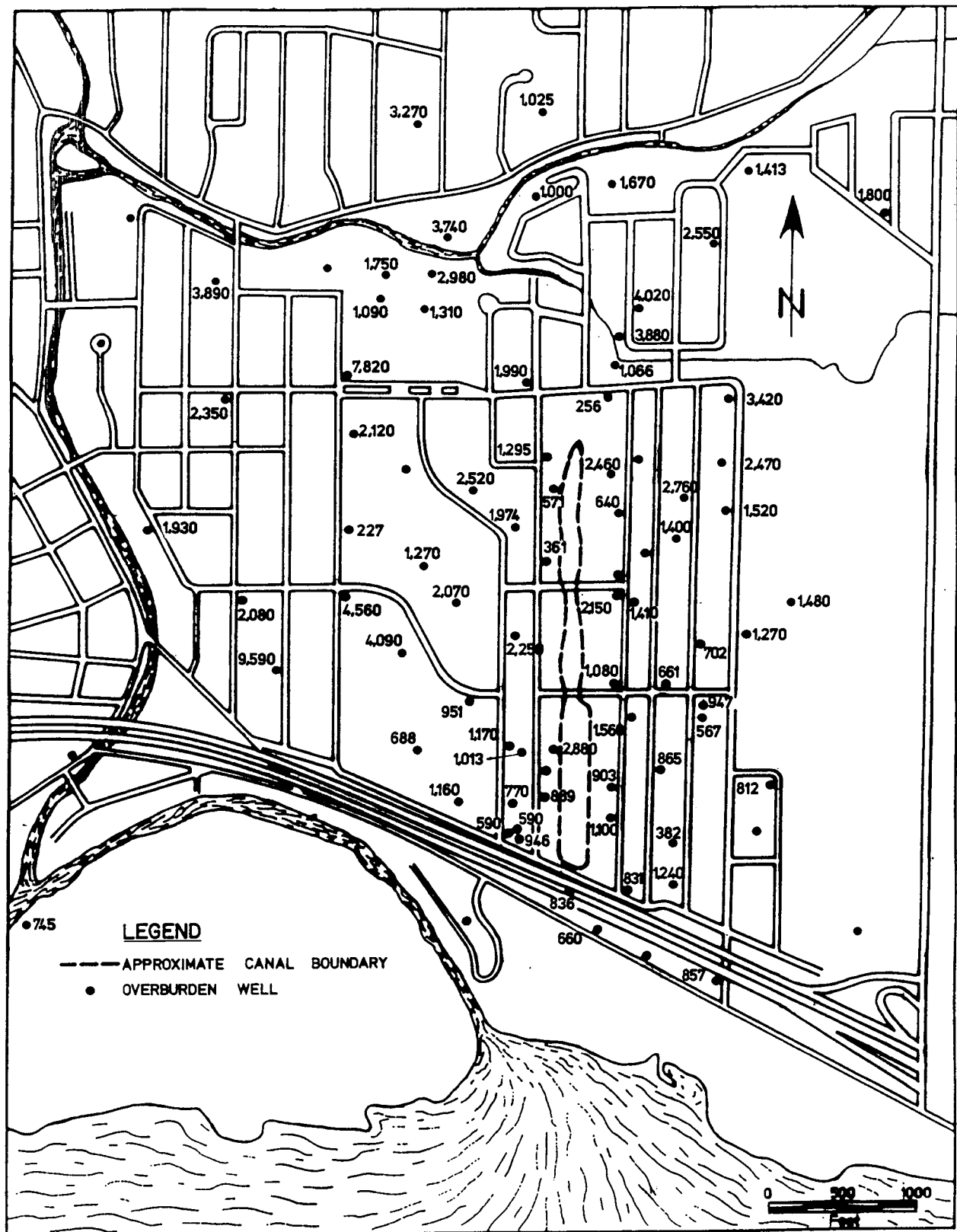


Figure IV - 2. Measurement (umhos/cm) of specific conductance in overburden wells.

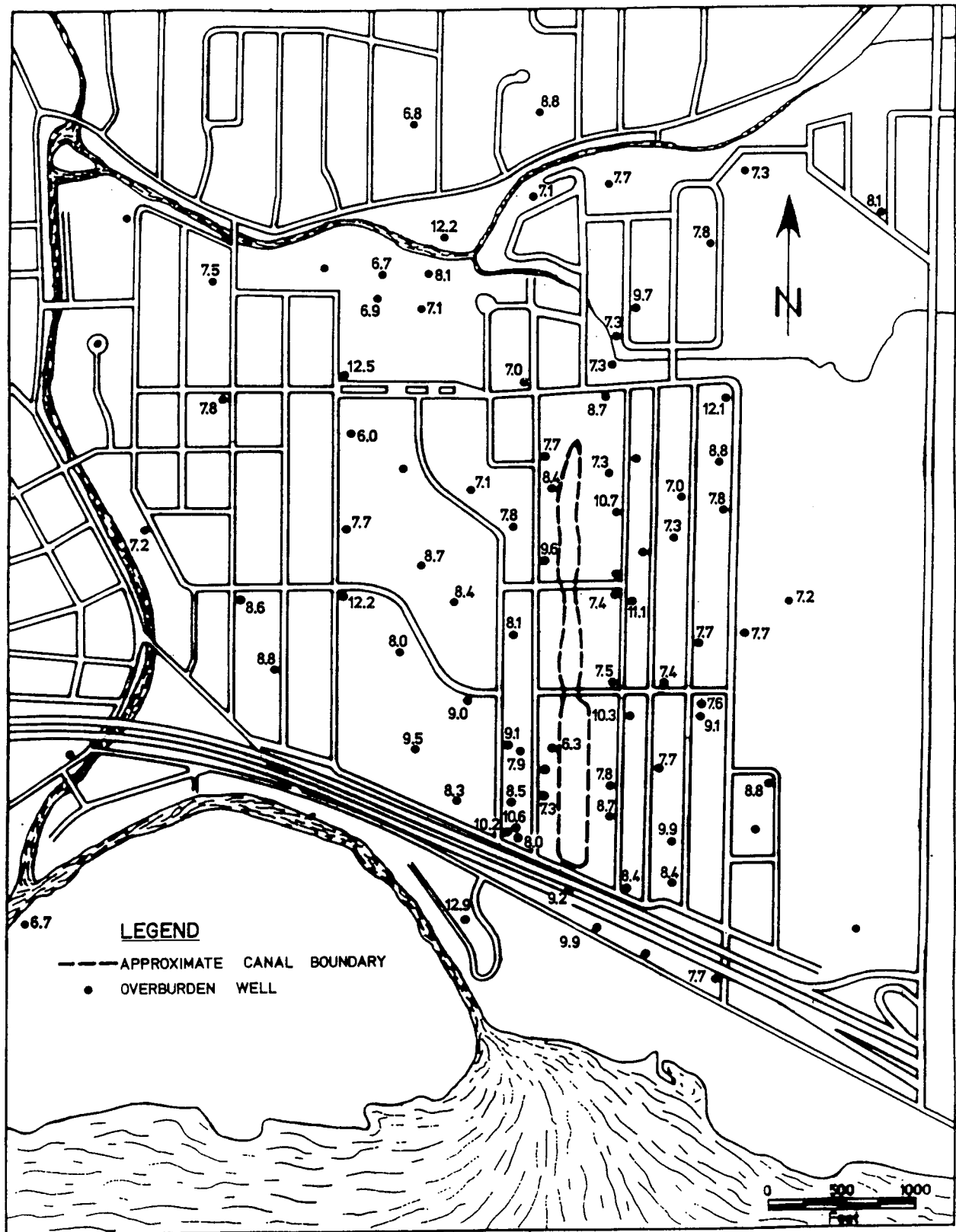


Figure IV-3. Measurement of pH in overburden wells.

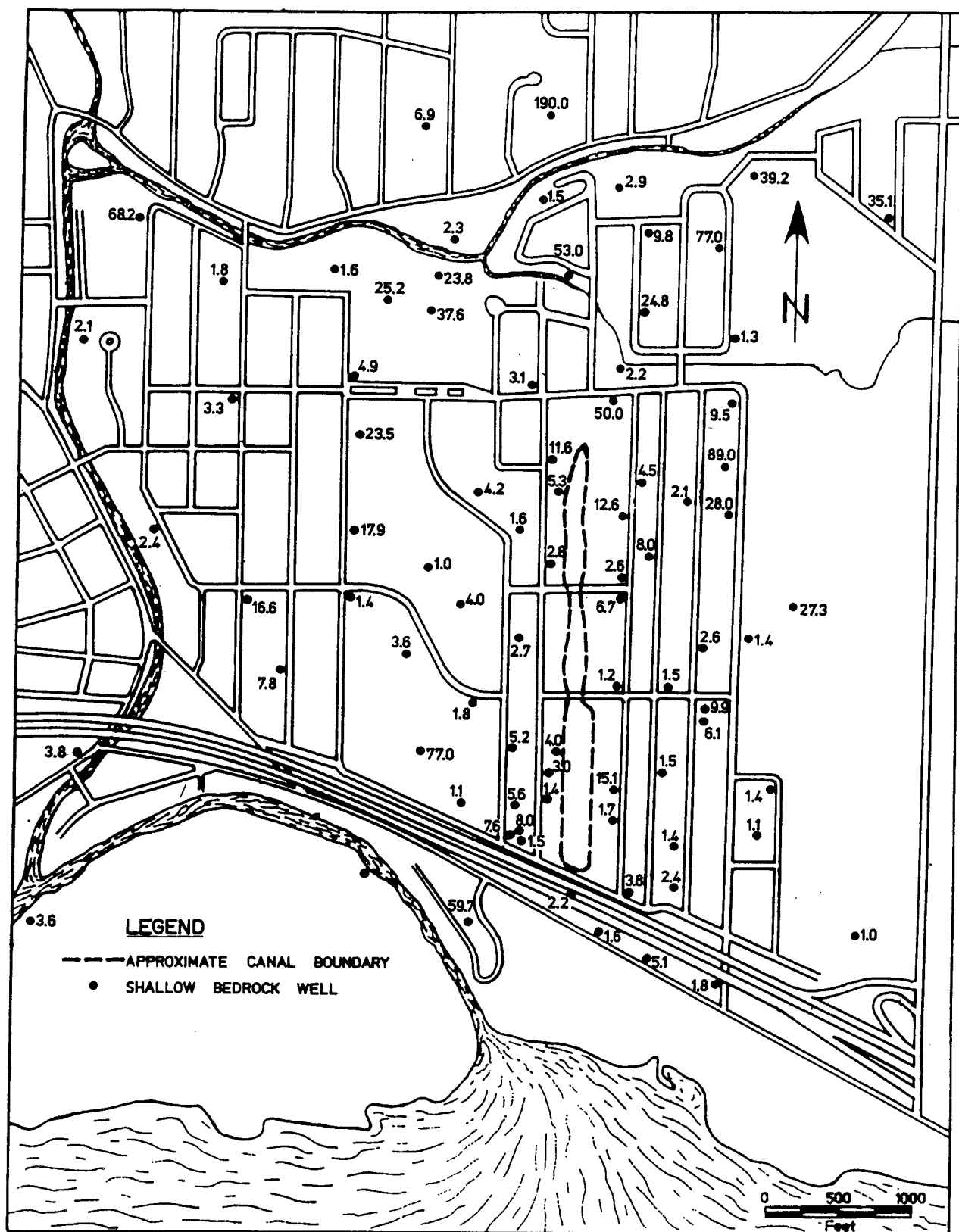


Figure IV-4. Concentration (ppb) of total organic carbon in Lockport Dolomite wells.

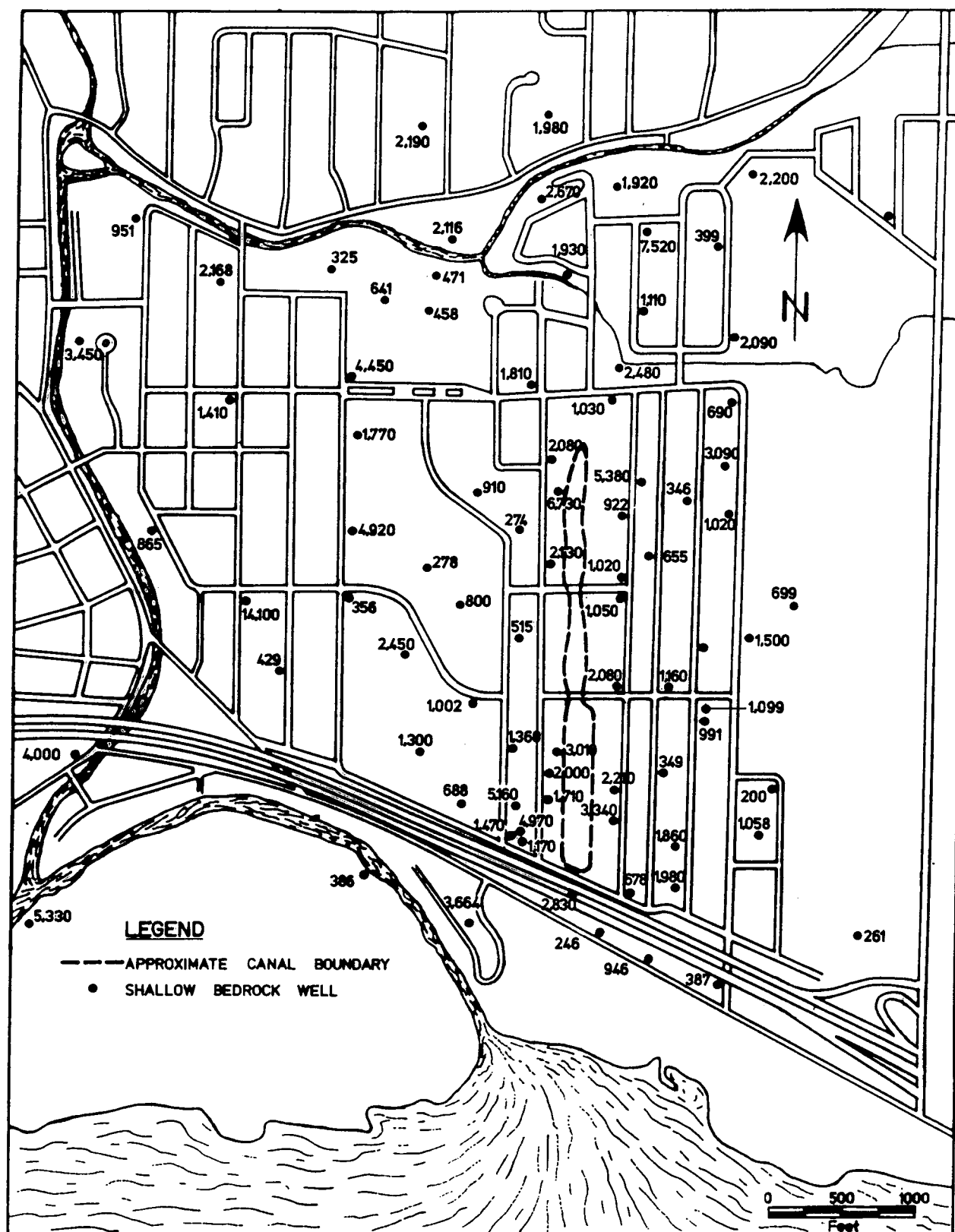


Figure IV-5. Measurement (umhos/cm) of specific conductance in Lockport Dolomite wells.

