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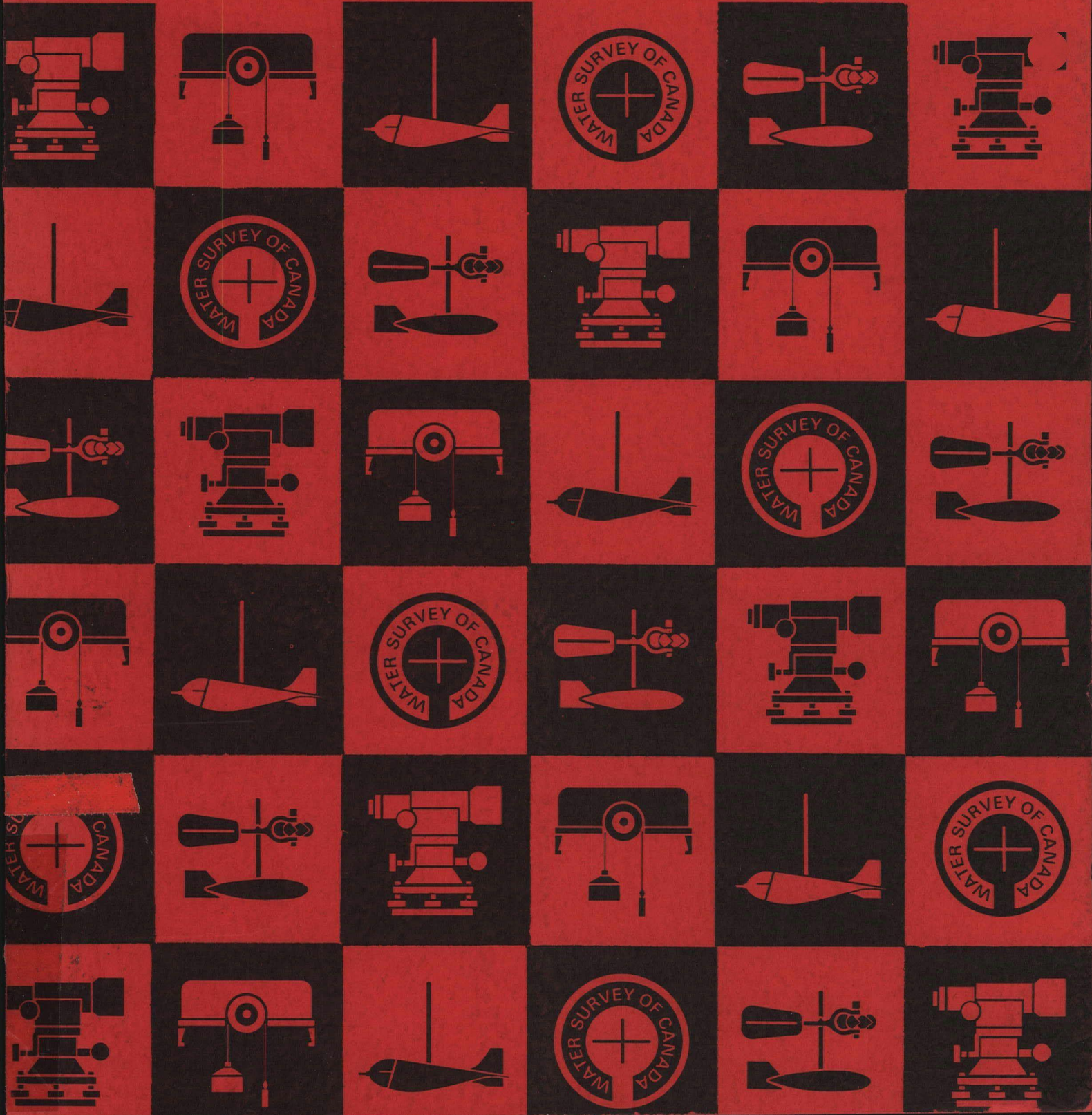
Direction Générale
des Eaux Intérieures

Water Temperatures

British Columbia and Yukon Territory

Volume 1

A-C



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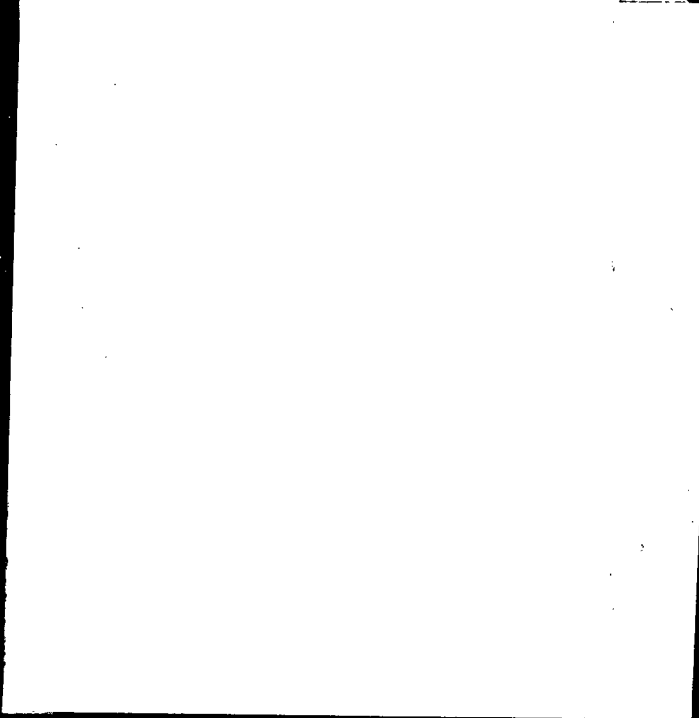
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Water Temperatures

**British Columbia and
Yukon Territory**

Volume 1

A-C

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ENVIRONMENT CANADA
INLAND WATERS DIRECTORATE,
PACIFIC AND YUKON REGION
WATER SURVEY OF CANADA
VANCOUVER, BRITISH COLUMBIA
1977

WATER TEMPERATURES
BRITISH COLUMBIA AND YUKON TERRITORY

P R E F A C E

Spot observations of water temperatures have been measured in British Columbia and the Yukon Territory, by the Water Survey of Canada, since about 1949. This publication makes available water temperature data that has previously been available only by special request. The data collected at each measurement site is plotted on a graph to enable users to determine the approximate range and distribution of water temperatures throughout the year. Each set of data is also tabulated on the facing page to allow a more detached analysis of the temperatures. The records of water temperatures at 799 sites on streams and on lakes are included in this publication.

Source of the data. The records at almost all sites are spot observations made while making stream flow measurements or while taking sediment samples. At just a few sites, daily observations have been made. These records are included here since at present there are too few sites to justify separate publication in a more suitable format.

The West Kootenay Power and Light Company Limited collected the records of the Kootenay River at Nelson and the United States Geological Survey collected many of the records at stream gauging stations along the Canada-United States border. Their contribution is gratefully acknowledged. The Water Survey of Canada is the source of all other records.

Selection of the sites. All sites with a minimum of 15 water temperature observations have been included.

Explanation of the graph. The horizontal scale is partitioned into monthly intervals. Each month but February is allocated 10 print positions with each position representing a 3 day period. Thus, the first to the third of a month uses print position 1, the fourth to the sixth uses print position 2 and so on. The thirty-first day is included in position 10. February requires only 9 print positions with the twenty-eighth day and, on leap year, the twenty-ninth day being included in position 9.

The vertical scale spans the temperature range 0°C to 25°C with each vertical print position representing a 0.5°C interval. Where water temperatures greater than 25°C have been recorded, a message warning that some points are not shown is printed above the 25°C line:

Single points are plotted with an 'X'; coincident points are plotted with a number giving their frequency of occurrence. An ampersand, '&', indicates more than 9 coincident points.

Explanation of the tables. The records have been arranged in tabular form so that the printed records appear directly below the same records plotted on the graph. The odd numbered months, (January, March etc.), appear first, followed by the even numbered months. All the records for a particular month are arranged in chronological order.

For some sites, several pages are required to print the table. For the user's convenience, the graph is printed again, facing each continuing page. Note, however, that all the records for the site are plotted; not just those tabulated on the facing page.

Accuracy of the data. A few of the more recent observations have been measured in degrees Celsius to the nearest 0.5°C; all other observations have been measured in degrees Fahrenheit to the nearest degree. The Fahrenheit records have been converted to Celsius and rounded to the nearest 0.5°C for publication here.

Human error is probably the single most significant source of inaccuracy. There are two reasons for this. Firstly, only a single observation of the temperature is made; which means that there is no possibility of correcting mistakes. Secondly, both air temperature and water temperature are often recorded at the same time so that occasionally the two readings are transposed. Only during the summer and winter can this transposition be easily recognized.

A few instances of water temperature records of 30°F and 31°F, (corrected to 0°C here), point to either incorrect readings or, more likely, to errors in technique.

Finally, users are reminded that the temperatures recorded here are just spot observations; they are not daily means.

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08NM041	TREPANIER CREEK NEAR PEACHLAND	1703

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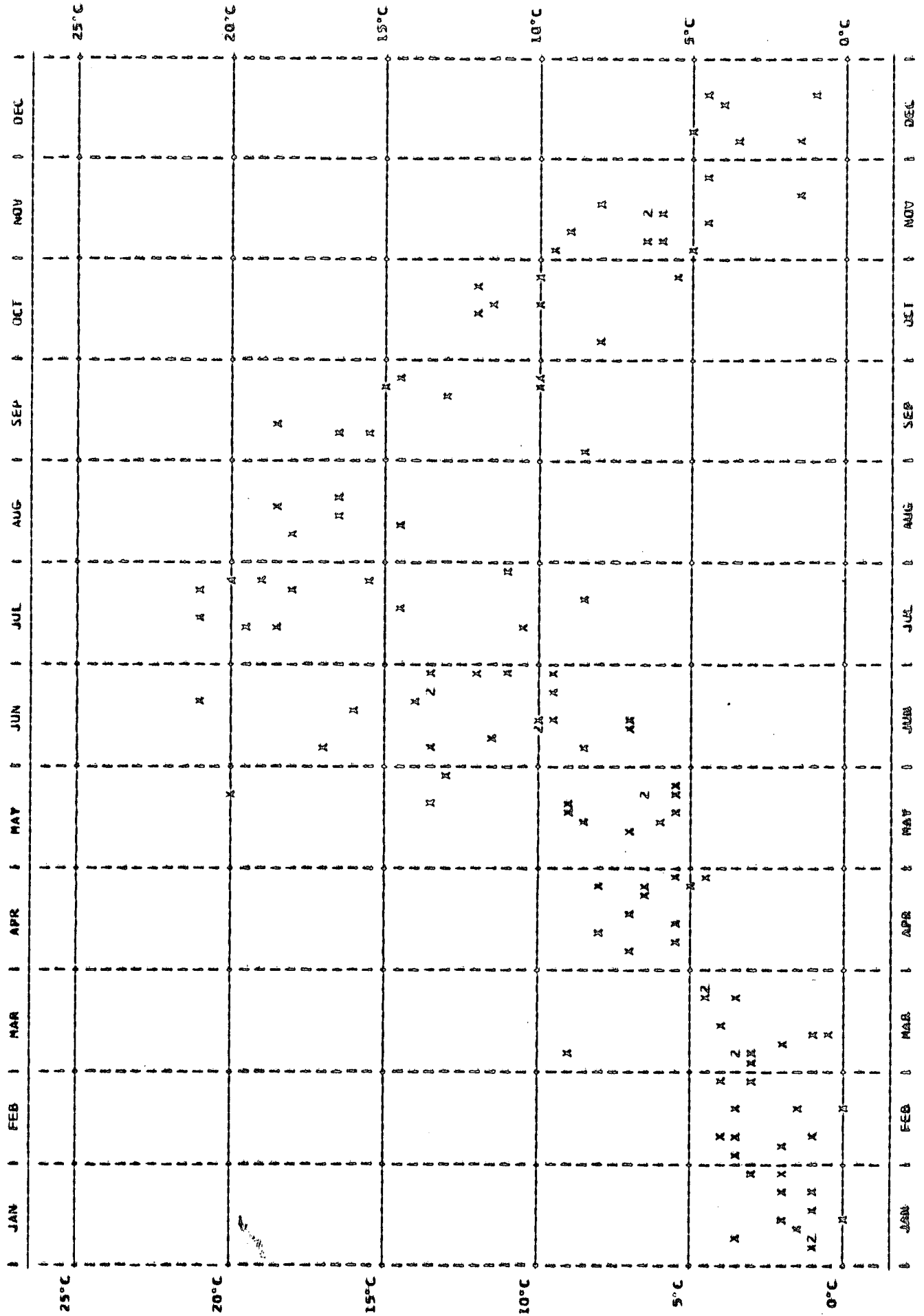
STATION NUMBER	STATION NAME	PAGE
08NM158	TROUT CREEK AT THE MOUTH	1705
08NM054	TROUT CREEK NEAR FAULDER	1707
103E007	TROUT RIVER AT MILE 487 ALASKA HIGHWAY	1709
08HB024	TSABLE RIVER NEAR FANNY BAY	1711
08HB011	TSOLUM RIVER NEAR COURTENAY	1713
08NL008	TULAMEEN RIVER AT COALMONT	1715
08NL024	TULAMEEN RIVER AT PRINCETON	1717
08NL071	TULAMEEN RIVER BELOW VUICH CREEK	1719
103A001	TURNAGAIN RIVER ABOVE SANDPILE CREEK	1721
09AA013	TUTSHI RIVER AT OUTLET OF TUTSHI LAKE	1723
08CD001	TUYA RIVER NEAR TELEGRAPH CREEK	1725
08MG021	TWENTY-ONE MILE CREEK AT 2200 FOOT CONTOUR	1727
08NM148	TWIN LAKES NEAR OLALLA	1729
08HC002	UCONA RIVER AT THE MOUTH	1731
08GA063	UNNAMED CREEK AT MOUNT SEYMOUR PARKWAY	1733
08MH134	UNNAMED CREEK AT 114 AVENUE, WHALLEY	1735
08DD001	UNUK RIVER NEAR STEWART	1737
08JA014	VAN TINE CREEK NEAR THE MOUTH	1739
08LC040	VANCE CREEK BELOW DEAFIES CREEK	1741
08NM015	VASEUX CREEK ABOVE DUTTON CREEK	1743
08NM171	VASEUX CREEK ABOVE SOLCO CREEK	1745
08NF004	VERMILION RIVER NEAR RADIUM HOT SPRINGS	1747
08NM162	VERNON CREEK AT INLET TO ELLISON LAKE	1749
08NM009	VERNON CREEK AT INLET TO WOOD LAKE	1751
08NM162	VERNON CREEK AT OUTLET OF ELLISON LAKE	1753
08NM065	VERNON CREEK AT OUTLET OF KALAMALKA LAKE	1755
08NM022	VERNON CREEK AT OUTLET OF SWALWELL LAKE	1757
08NM175	VERNON CREEK BELOW ARDA DAM	1759
08NM043	VERNON CREEK NEAR OKANAGAN CENTRE	1761
08NM160	VERNON CREEK NEAR THE MOUTH	1763
08MF034	WAHLEACH CREEK NEAR LAIDLAW (LOWER STATION)	1767
08NG071	WAIT CREEK ABOVE BARTHOLOMEW LAKE	1769
08NG072	WAIT CREEK IN LOT 7660	1771
08LG053	WALLOPER CREEK ABOVE WALLOPER LAKE	1773
09AA015	WANN RIVER NEAR ATLIN	1775
08FA002	WANNOCK RIVER AT OUTLET OF OWIKENO LAKE	1777
08LF049	WATCHING CREEK NEAR KAMLOOPS	1779
09AA009	WATSON RIVER NEAR CARCROSS	1781
08MG009	WEAVER CREEK NEAR HARRISON HOT SPRINGS	1783
08MH098	WEST CREEK NEAR FORT LANGLEY	1785
08NN022	WEST KETTLE RIVER BELOW CARMICHAEL CREEK	1787
08NN015	WEST KETTLE RIVER NEAR MCCULLOCH	1789
08KG001	WEST ROAD RIVER NEAR CINEMA	1791
08ND016	WEST WOULSEY CREEK AT SOURCE	1793
08NM198	WESTBANK CREEK AT THE MOUTH	1795
08NE078	WHATSHAN RIVER NEAR NEEDLES	1797
09AA012	WHEATON RIVER NEAR CARCROSS	1799
08NL036	WHIPSAW CREEK BELOW LAMONT CREEK	1801
08LE073	WHITE CREEK AT TAPPEN	1803
08LE039	WHITE CREEK NEAR CARLIN	1805
09CE001	WHITE RIVER AT MILE 1169.2 ALASKA HIGHWAY	1807
08NM174	WHITEMAN CREEK ABOVE BOULEAU CREEK	1809
08NM046	WHITEMAN CREEK NEAR VERNON	1811
08MH099	WHONOCK CREEK NEAR WHONOCK	1813
08NG052	WILD HORSE RIVER NEAR FORT STEELE	1815
08MC023	WILLIAMS LAKE NEAR WILLIAMS LAKE	1817
08MC005	WILLIAMS LAKE RIVER AT OUTLET OF WILLIAMS LAKE	1819
08KD002	WILLOW RIVER AT WELLS	1821
08KD003	WILLOW RIVER NEAR WILLOW RIVER	1823
08NA057	WILMER CREEK NEAR WILMER	1825
08MF059	WILSON SLOUGH NEAR SARDIS	1827
08NA024	WINDERMERE CREEK NEAR WINDERMERE	1829
08NM181	WINFIELD CREEK AT INLET TO WOOD LAKE	1831
08NH046	WING CREEK NEAR KASLO	1833
08NJ120	WINLAW CREEK NEAR WINLAW	1835

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STATION NUMBER	STATION NAME	PAGE
08LG009	WITCHES BROOK NEAR MERRITT	1837
08NG032	WOLF CREEK NEAR TA TA CREEK	1839
08NL041	WOLFE CREEK AT OUTLET OF ISSITZ LAKE	1841
08NL025	WOLFE CREEK NEAR PRINCETON	1843
08NJ152	WOLVERTON CREEK NEAR SLOCAN PARK	1845
08NC001	WOOD RIVER NEAR DONALD	1847
08KC002	WRIGHT CREEK AT THE MOUTH	1849
08JA002	YAKOUN RIVER NEAR PORT CLEMENTS	1851
08MH097	YORKSON CREEK NEAR WALNUT GROVE	1853
09AB009	YUKON RIVER ABOVE FRANK CREEK	1855
09CD001	YUKON RIVER ABOVE WHITE RIVER	1857
09AH001	YUKON RIVER AT CARMACKS	1859
09EB001	YUKON RIVER AT DAWSON	1861
09EB002	YUKON RIVER AT STEWART RIVER	1863
09AB001	YUKON RIVER AT WHITEHORSE	1865
08HE006	ZEBALLOS RIVER NEAR ZEBALLOS	1867
08EG011	ZYMAGOTITZ RIVER NEAR TERRACE	1869
08EF005	ZYMOETZ RIVER ABOVE D.K. CREEK	1871
08EF003	ZYMOETZ RIVER NEAR TERRACE	1873

ADAMS RIVER NEAR SQUILAX - STATION NO. 08L0001

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



AISHIHIK RIVER NEAR WHITEHOUSE - STATION NO. 03AA001

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

8 JAN 1968	0						24 MAY 1955	5.0						25 SEP 1952	6.5					17 NOV 1950	0
5 JAN 1971	0						12 MAY 1955	2						10 SEP 1953	8					4 NOV 1952	4.5
8 JAN 1971	0						16 MAY 1962	1						20 SEP 1954	6					5 NOV 1957	0.5
15 JAN 1971	0						26 MAY 1965	3.0						1 SEP 1955	9.0					6 NOV 1958	1
							16 MAY 1969	5.0						4 SEP 1960	8					7 NOV 1960	0.5
							17 MAY 1969	5.5						9 SEP 1966	8.5					4 NOV 1963	0
							1 MAY 1970	3.0						14 SEP 1967	5.5					3 NOV 1964	0
							5 MAY 1970	4						16 SEP 1968	7					23 NOV 1967	0.5
							1 MAY 1971	0.0						11 SEP 1969	8.5					4 NOV 1970	0
							30 MAY 1972	8						17 SEP 1974	11					30 NOV 1972	0
							31 MAY 1972	4.0						5 SEP 1974	11					15 NOV 1976	0
							13 MAY 1974	5.0						4 SEP 1975	11						
							10 MAY 1976	3													
							12 MAY 1976	3.0													
22 FEB 1963	0						8 JUN 1953	11.0						16 JUL 1950	0					11 DEC 1961	0
24 FEB 1964	0						29 JUN 1950	8						3 DEC 1951	3.5					28 DEC 1962	0
23 FEB 1970	0						19 JUN 1962	8						24 JUL 1953	0					1 DEC 1964	0
8 FEB 1972	0						25 JUN 1964	13.0						10 OCT 1963	2						
							21 JUN 1965	8						26 OCT 1966	0						
							28 JUN 1968	7						16 OCT 1969	2						
							3 JUN 1969	6.0						19 OCT 1971	1						
							30 JUN 1969	14						25 JUL 1972	0.5						
							5 JUN 1970	8.5						4 JUL 1973	4.5						
							28 JUN 1971	9.0						18 OCT 1974	0						
							15 JUN 1972	8.0													
							23 JUN 1972	12													
							14 JUN 1973	8													
							3 JUN 1975	6													
							5 JUN 1975	3													
							25 JUN 1975	11													
							7 APR 1952	0													
							26 APR 1973	0													

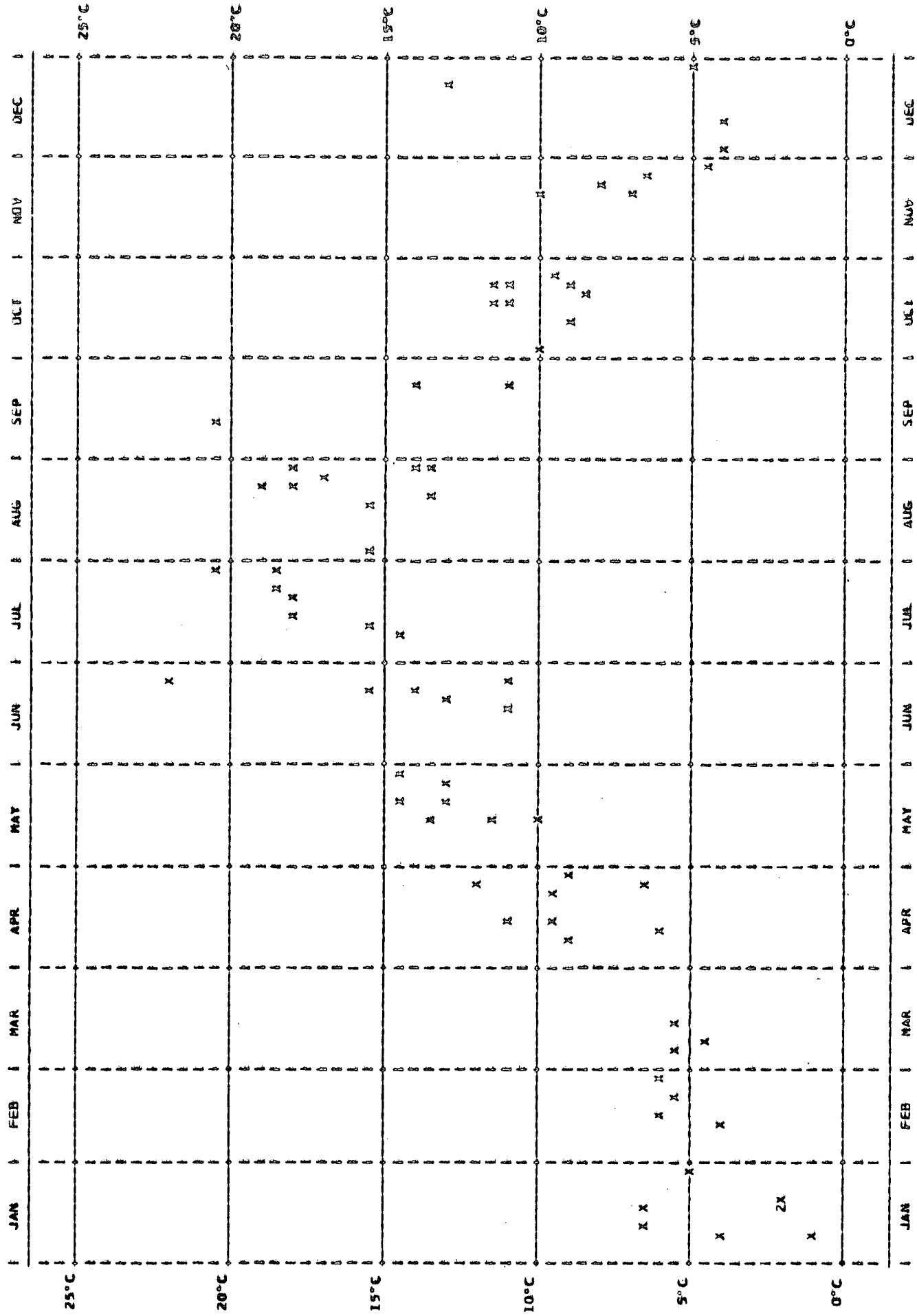
ALLISON CREEK NEAR PRINCEIDUN - STATION NO. 08NLD12

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

29 MAR 1973	4.5	4 MAY 1949	5.5	12 JUL 1949	14.5	17 SEP 1951	11.5
30 MAR 1976	8.5	11 MAY 1951	5.5	17 JUL 1973	16.5	26 SEP 1952	11
		30 MAY 1953	8.5	3 JUL 1974	11	3 SEP 1953	9
		9 MAY 1973	7	8 JUL 1975	12	6 SEP 1973	9.5
		23 MAY 1973	11	7 JUL 1976	14.5	24 SEP 1974	10
		1 MAY 1974	7	29 JUL 1976	11.5	29 SEP 1976	13
		30 MAY 1974	7				
		26 MAY 1975	11.5				
		26 MAY 1976	8				
23 APR 1951	4.5	8 JUN 1949	11	4 AUG 1949	14.5	2 OCT 1950	5.5
17 APR 1953	7	6 JUN 1950	10	31 AUG 1949	13.5	1 OCT 1953	8.5
30 APR 1953	5.5	17 JUN 1950	11	2 AUG 1950	12	4 OCT 1971	10.5
28 APR 1954	5.5	14 JUN 1951	14	19 AUG 1950	12	18 OCT 1972	7
2 APR 1974	9	18 JUN 1952	11.5	20 AUG 1951	13		
14 APR 1975	5	20 JUN 1953	9	13 AUG 1952	14		
27 APR 1976	11	5 JUN 1954	7	14 AUG 1953	14		
		25 JUN 1954	9.5	7 AUG 1974	13		
		14 JUN 1973	10	25 AUG 1975	10		
		19 JUN 1974	12				
		14 JUN 1976	13.5				

ALOUETTE RIVER NEAR HANEY - STATION NO. 080005

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
25°C												
20°C												
20°C												
15°C												
15°C												
10°C												
10°C												
5°C												
5°C												
0°C												
0°C												

25°C

25°C

20°C

20°C

15°C

15°C

10°C

10°C

5°C

5°C

0°C

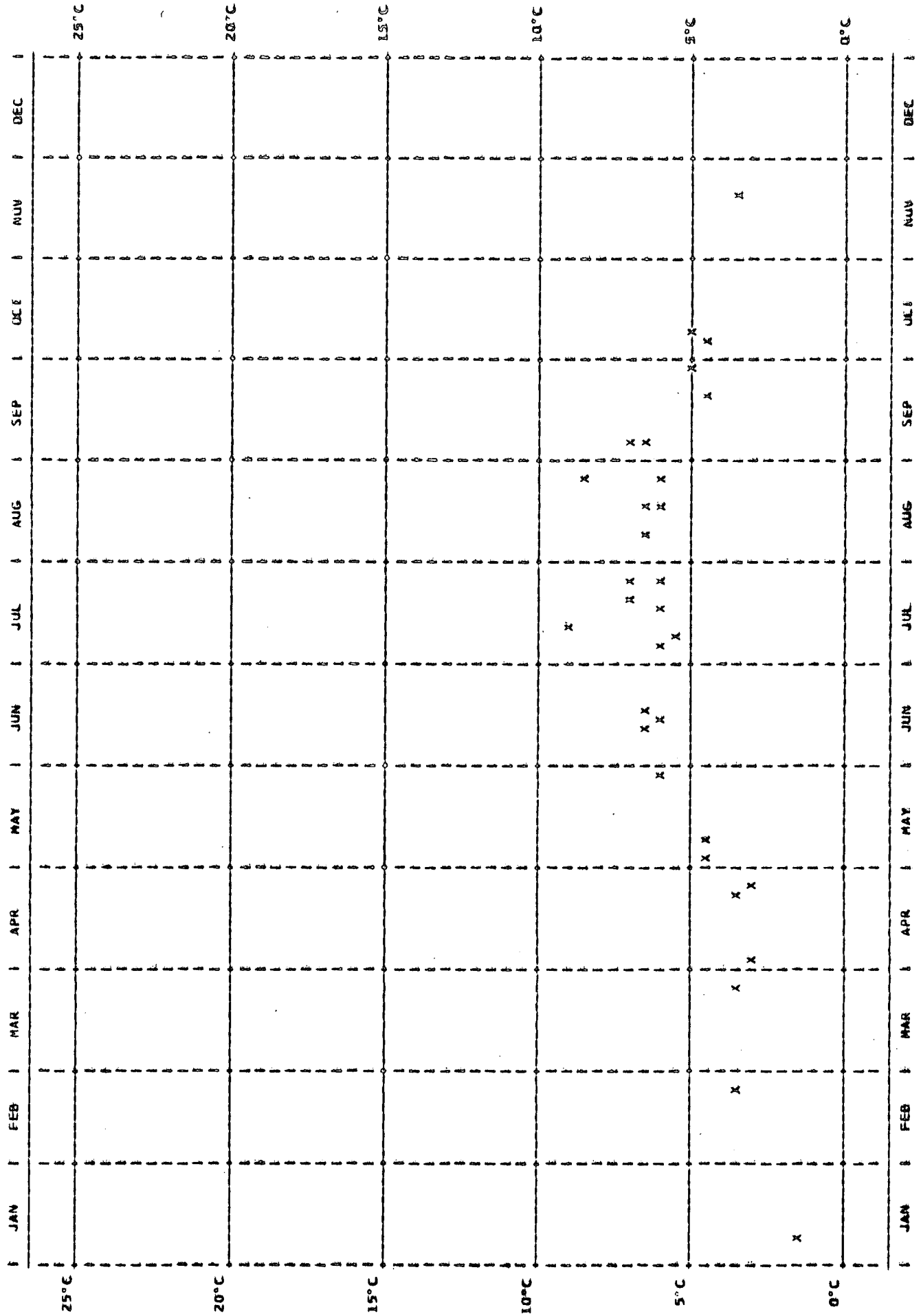
0°C

ANNIS DITCH NEAR ROSEDALE - STATION NO. 08MF049

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

31 JAN 1964	6																	
		6 MAR 1962	5		1 MAY 1964	8.5		17 JUL 1963	18.5									
		25 MAR 1964	4.5												15 NOV 1961	4.5		
														30 NOV 1961	5			
														19 NOV 1963	3.5			
15 FEB 1963	1	26 APR 1962	8.5					22 AUG 1962	16		23 OCT 1963	7		20 DEC 1961	3			
17 FEB 1964	3.5	23 APR 1963	9								15 OCT 1964	8.5		4 DEC 1962	4.5			

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



ARGENTINA CREEK NEAR ARGENTIA - STATION NO. 000H051

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

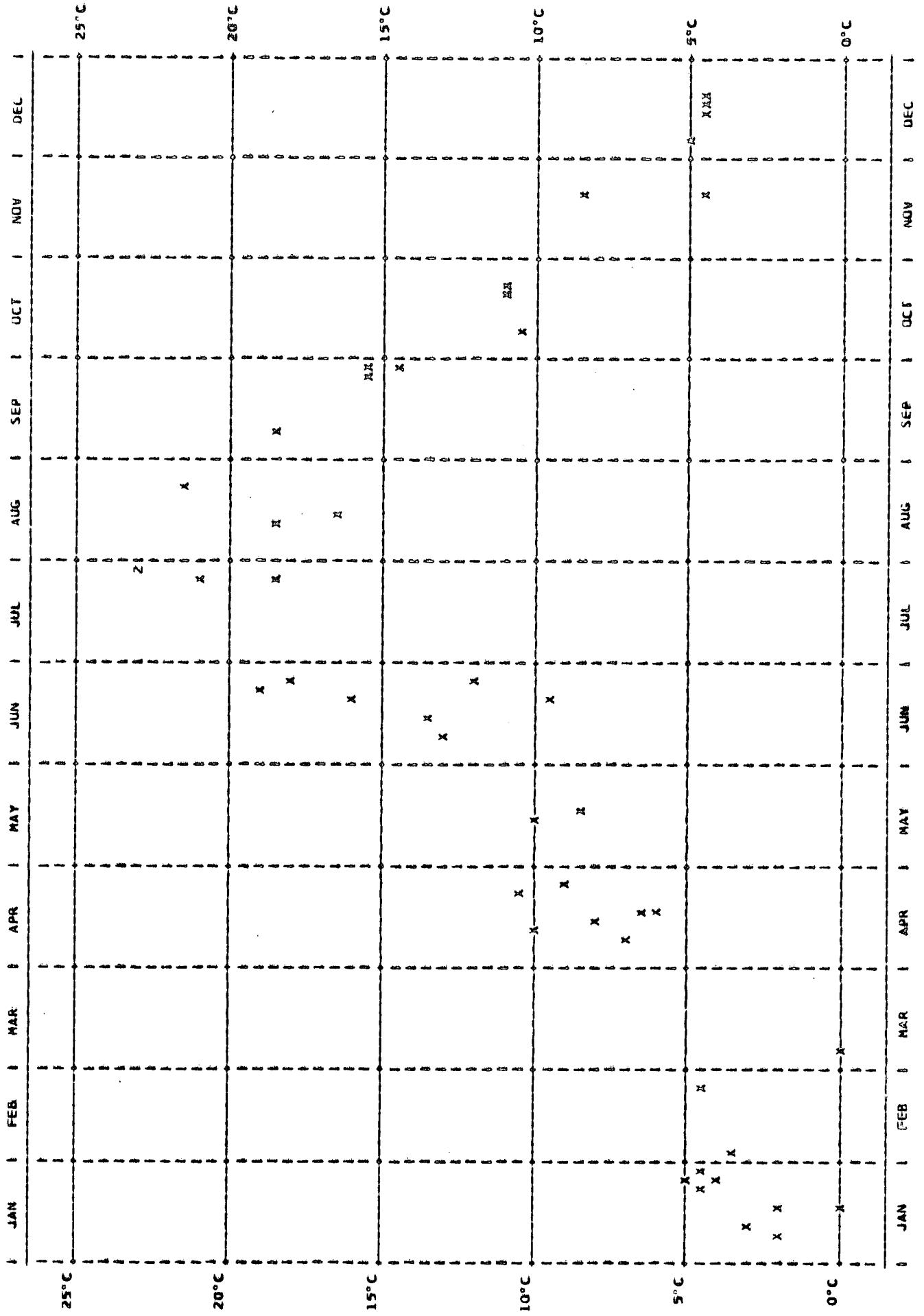
9 JAN 1975	1.5		26 MAR 1975	5.5		5 MAY 1973	4.5		7 JUL 1971	5.5		29 SEP 1971	5		19 NOV 1976	5.5
						31 MAY 1973	6		27 JUL 1971	7		20 SEP 1972	4.5			
						8 MAY 1974	4.5		6 JUL 1972	6		6 SEP 1973	7			
									14 JUL 1973	7		5 SEP 1975	6.5			
									27 JUL 1973	6						
									18 JUL 1974	6						
									10 JUL 1975	9						
24 FEB 1976	3.5		1 APR 1974	5		15 JUN 1971	6		26 AUG 1971	8.5		4 OCT 1974	4.5			
			25 APR 1975	5		12 JUN 1974	6.5		16 AUG 1972	6.5		8 OCT 1976	5			
			23 APR 1976	5.5		17 JUN 1976	6.5		9 AUG 1973	6.5						
									17 AUG 1973	6						
									27 AUG 1976	6						

ASH RIVER BELOW MORAN CREEK - STATION NO. 08H023

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

12 JAN 1962	5						15 JUL 1959	21		30 SEP 1960	15.5		20 NOV 1963	4.5
25 JAN 1963	4						30 JUL 1959	23		1 SEP 1962	16.5		15 NOV 1966	4.5
18 JAN 1964	2						27 JUL 1966	20		28 SEP 1964	14.5		2 NOV 1967	10
16 JAN 1967	4						23 JUL 1968	15		27 SEP 1966	16		28 NOV 1967	4.5
24 JAN 1968	3.5						8 JUL 1971	9.5		29 SEP 1967	15.5		27 NOV 1968	5.5
30 JAN 1968	4.5						28 JUL 1976	16.5		20 SEP 1971	13			
27 JAN 1970	3.5													
2 FEB 1960	3.5						24 AUG 1961	20		9 OCT 1959	10.5		4 DEC 1959	5
7 FEB 1967	2						11 AUG 1964	18.5		22 OCT 1965	11		14 DEC 1959	4.5
							22 JUN 1961	20		2 OCT 1968	11		13 DEC 1962	4.5
							26 JUN 1962	14		21 OCT 1976	10		20 DEC 1965	4.5
							27 JUN 1964	12					2 DEC 1969	6
							9 JUN 1966	13.5						
							13 JUN 1967	15						
							26 JUN 1967	14.5						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

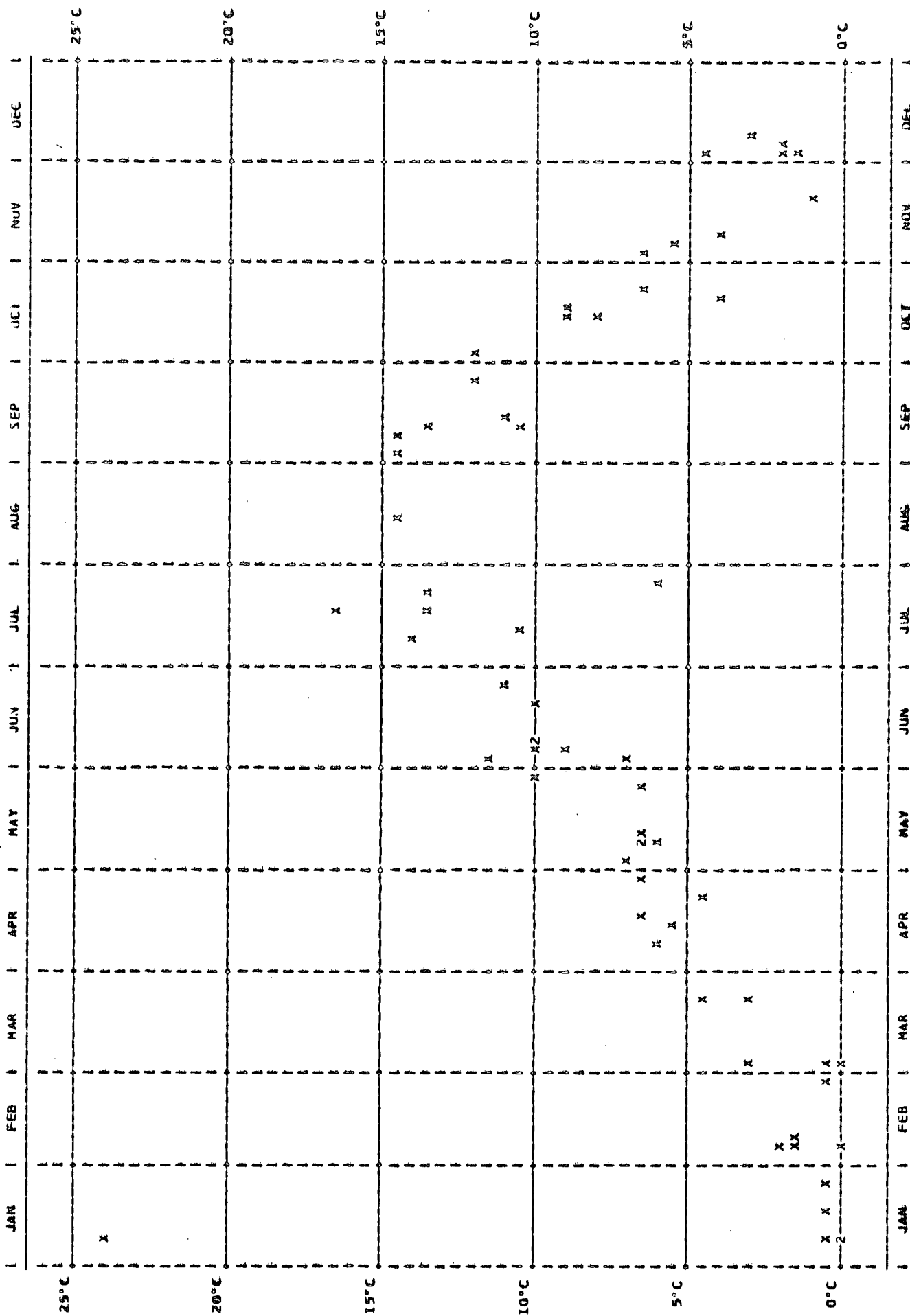
TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C								X				
15°C						X	X	X	X			
10°C					X	X	X	X	X	X		
5°C				X	X	X	X	X	X	X	X	
0°C	XXX	2 XX-X	X	X	X	X	X	X	X	X	X	XXX 2 22-X22

ASP CREEK NEAR PRINCETON - STATION NO. 08N015

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

12 APR 1961	2								
5 APR 1962	1.5								
24 APR 1964	4.5								
19 APR 1966	3								
25 APR 1968	4								
10 MAY 1960	3.5								
9 MAY 1963	3								
25 MAY 1965	3.5								
27 MAY 1969	8								
16 JUN 1960	9								
26 JUN 1961	8.5								
15 JUN 1962	8								
22 JUN 1964	11.5								
20 JUN 1967	14.5								
29 JUN 1967	14								
12 JUN 1968	3.5								
9 JUL 1963	9.5								
1 JUL 1965	12								
12 JUL 1965	11.5								
24 JUL 1967	13.5								
2 JUL 1968	8								
8 AUG 1960	10.5								
9 AUG 1962	11								
23 AUG 1966	9.5								
15 AUG 1967	11								
20 AUG 1968	8.5								
4 OCT 1960	6.5								
13 OCT 1961	8								
4 OCT 1966	7								
2 OCT 1968	6								
1 OCT 1969	7								

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



AVERRILL CREEK NEAR DUNCAN - STATION NO. 08HA015

SPOI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

16 JAN 1962	3.5										
15 JAN 1964	3.5										
10 JAN 1964	3										
13 JAN 1966	4.5										
26 FEB 1962	0										
18 FEB 1966	4										
		24 APR 1962	10.5								
		30 APR 1963	9								
		6 APR 1964	5.5								
		15 APR 1966	8								
		29 MAY 1961	11.5								
		15 JUL 1961	20								
		21 SEP 1964	12								
		13 AUG 1961	16.5								
		14 AUG 1964	14.5								
		2 NOV 1962	9.5								
		19 NOV 1964	6.5								
		13 DEC 1965	5								

B-O-X-CREEK ABOVE VERMUN INTAKE - STATION NO. 08NM020

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

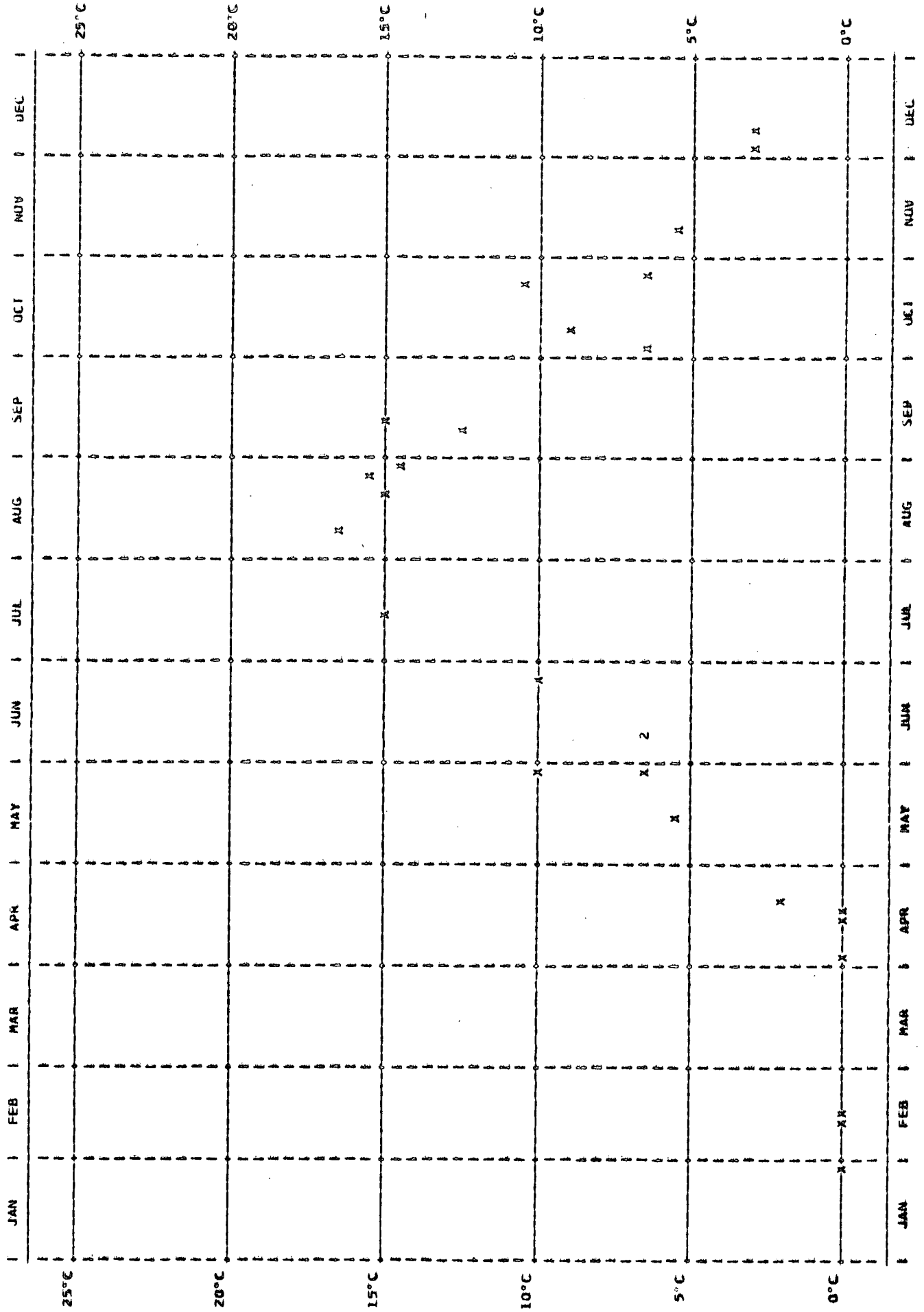
11 JAN 1962	0	18 MAR 1960	0	12 MAY 1959	0	14 JUL 1959	13	16 SEP 1959	9	23 NOV 1961	0
19 JAN 1965	1.5	29 MAR 1960	2	10 MAY 1962	0.5	18 JUL 1960	16	30 SEP 1960	10	18 NOV 1965	2
16 JAN 1970	0	10 MAR 1964	1	10 MAY 1963	3.5	18 JUL 1961	15.5	12 SEP 1962	10	24 NOV 1967	2
28 JAN 1971	1	11 MAR 1965	1.5	13 MAY 1965	5	23 JUL 1962	15.5	25 SEP 1963	11	23 NOV 1971	1
19 JAN 1972	0	11 MAR 1965	0	16 MAY 1967	4.5	10 JUL 1963	13	16 SEP 1969	10.5	21 NOV 1973	1.5
17 JAN 1973	0	20 MAR 1967	2	26 MAY 1968	7	19 JUL 1963	14.5	17 SEP 1970	9	12 NOV 1974	3.5
29 JAN 1976	0	15 MAR 1969	0.5	29 MAY 1969	7	22 JUL 1965	14.5	24 SEP 1971	9	17 NOV 1976	3.5
		25 MAR 1970	2	12 MAY 1970	6.5	14 JUL 1966	11.5	10 SEP 1973	16.5		
		30 MAR 1971	0	25 MAY 1970	8	16 JUL 1966	14.5	25 SEP 1974	12		
		14 MAR 1972	1	14 MAY 1971	5.5	5 JUL 1971	8	24 SEP 1975	9		
		28 MAR 1972	4	28 MAY 1971	5.5	9 JUL 1972	13.5				
		18 MAR 1974	1	1 MAY 1972	6.5	17 JUL 1973	14.5				
		4 MAR 1975	1.5	10 MAY 1972	6.5	9 JUL 1974	10.5				
		4 MAR 1976	0	15 MAY 1972	8	15 JUL 1975	14.5				
				8 MAY 1973	4.5	14 JUL 1976	11				
				17 MAY 1973	5						
				2 MAY 1974	4						
				5 MAY 1975	6.5						
				15 MAY 1975	4.5						
				5 MAY 1976	5.5						
24 FEB 1961	1	27 APR 1971	5.5	28 JUN 1962	10	28 AUG 1961	15.5	20 OCT 1961	4.5	14 DEC 1959	3
16 FEB 1962	1	11 APR 1972	4.5	17 JUN 1963	14.5	28 AUG 1963	14	16 OCT 1962	5	22 DEC 1960	1
11 FEB 1963	0	4 APR 1975	5	16 JUN 1966	11	20 AUG 1964	13	25 OCT 1963	0	11 DEC 1962	1.5
20 FEB 1964	0	11 APR 1975	4.5	16 JUN 1970	9.5	24 AUG 1965	15.5	8 OCT 1964	6.5	8 DEC 1964	2
6 FEB 1967	1	2 APR 1976	0.5	18 JUN 1971	9	19 AUG 1966	12	23 OCT 1968	6	12 DEC 1968	0.5
14 FEB 1968	0	28 APR 1976	4.5	14 JUN 1972	10	13 AUG 1967	19	26 OCT 1971	3.5	15 DEC 1969	1
12 FEB 1970	1			6 JUN 1973	11	12 AUG 1968	14.5	5 OCT 1972	3	15 DEC 1971	0
23 FEB 1971	0			17 JUN 1976	10	9 AUG 1971	9	24 OCT 1972	5.5	4 DEC 1972	2
22 FEB 1972	0					24 AUG 1972	15.5	31 OCT 1973	5	15 DEC 1975	0
13 FEB 1974	1					13 AUG 1973	18.5	28 OCT 1975	4.5		
						21 AUG 1974	12	6 OCT 1976	8		
						13 AUG 1975	15				

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C						X	X	X				
20°C						X	X	X				
15°C						X	X	X				
10°C						X	X	X				
5°C						X	X	X				
0°C						X	X	X				

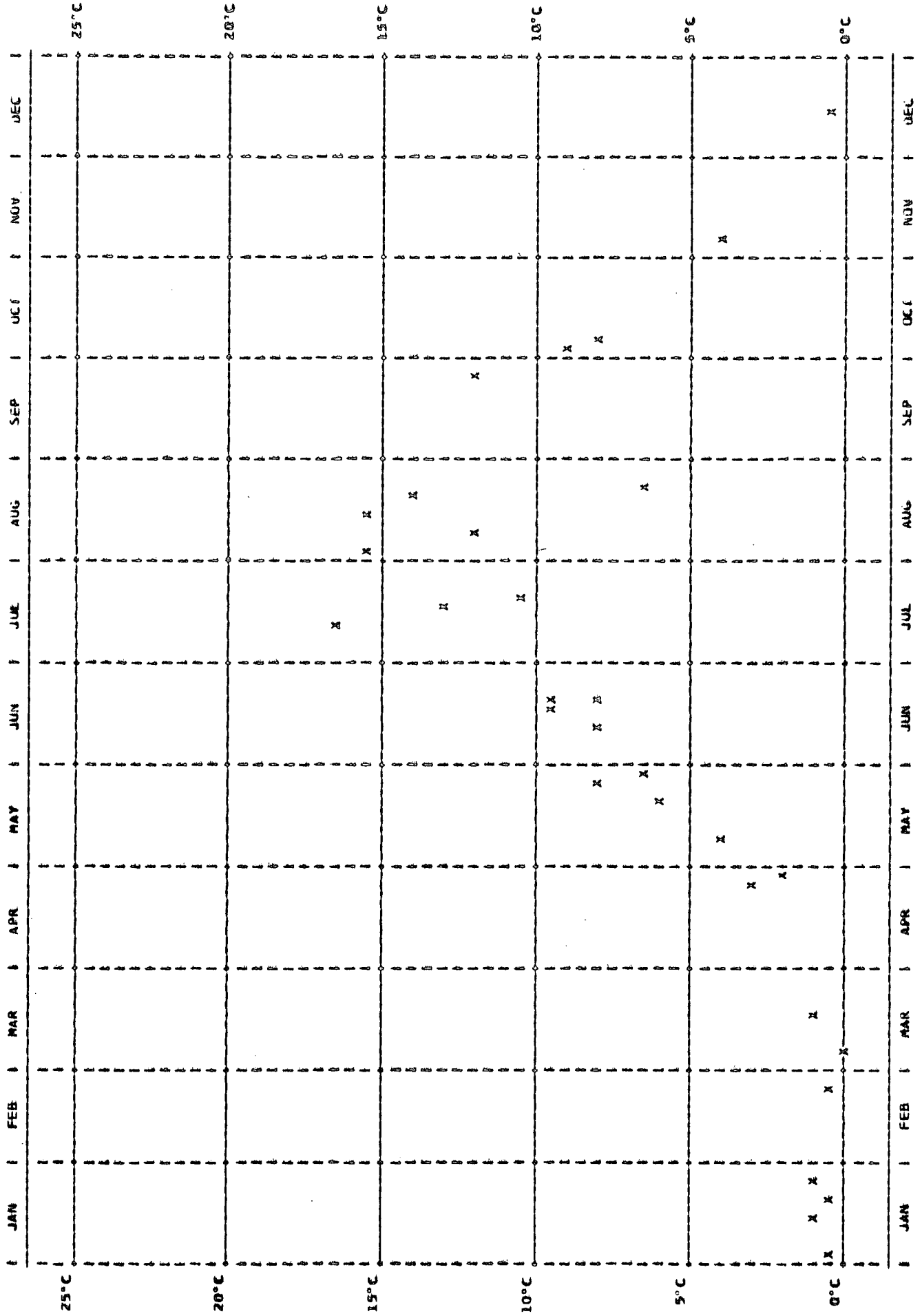
NOTE: THERE ARE WATER TEMPERATURE OBSERVATIONS ABOVE 25 DEGREES CELSIUS WHICH ARE NOT SHOWN

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BABINE RIVER AT OUTLET OF MILKIKWA LAKE - STATION NO. 0860013

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



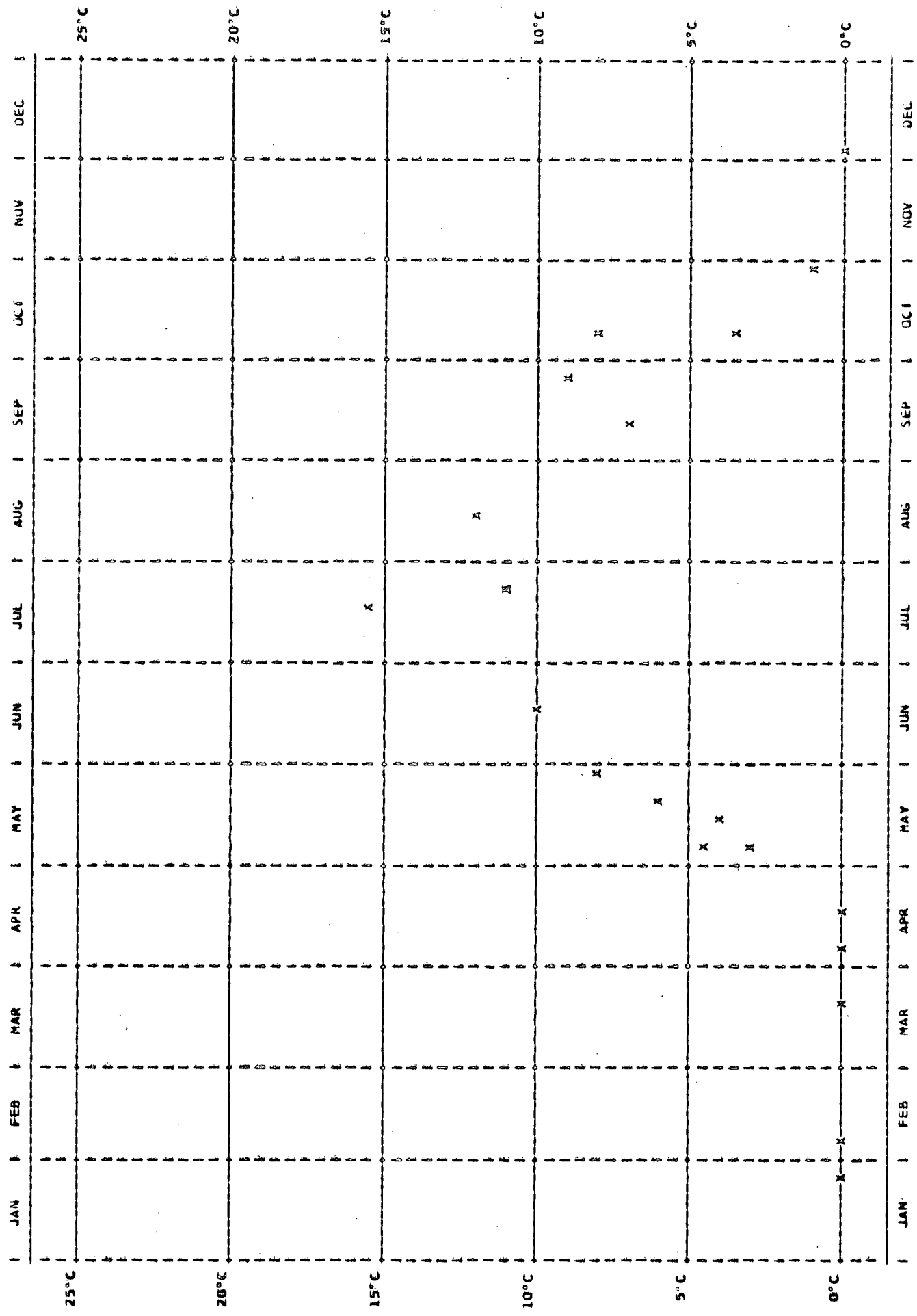
BABINE RIVER AT OUTLET OF NIKKIKWA LAKE - STATION NO. 086013

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

3 JAN 1973	0.5		5 MAR 1975	0		25 MAY 1973	8		17 JUL 1973	15		25 SEP 1975	12		6 NOV 1975	4
25 JAN 1974	1		17 MAR 1976	1		28 MAY 1974	8.5		10 JUL 1975	16.5						
20 JAN 1975	0.5					8 MAY 1975	4		20 JUL 1976	16.5						
13 JAN 1976	1					21 MAY 1975	6									
23 FEB 1973	0.5		28 APR 1972	2		19 JUN 1973	9.5		15 AUG 1972	15.5		4 OCT 1972	8		13 DEC 1973	0.5
			26 APR 1973	3		19 JUN 1974	8		2 AUG 1973	15.5		5 OCT 1974	9			
						10 JUN 1975	8		21 AUG 1973	14						
						17 JUN 1976	9.5		7 AUG 1975	12						
									24 AUG 1976	8.5						

BAEZAECO RIVER AT LOT 10262 - STATION NO. 08KGGGJ

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SAEZAERD RIVER AT LOT 10262 - STATION NO. 08K6003

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

27 JAN 1976	0	20 MAR 1975	0	6 MAY 1975	4.5	16 JUL 1975	15.5	10 SEP 1975	7
				13 MAY 1975	4	24 JUL 1976	11	25 SEP 1976	9
				29 MAY 1975	8				
				5 MAY 1976	5				
				20 MAY 1976	6				
6 FEB 1975	0	17 APR 1975	0	18 JUN 1975	10	15 AUG 1975	12	8 DEC 1974	8
		5 APR 1976	0					7 OCT 1975	3.5
								30 OCT 1976	1
								3 DEC 1975	0

BAKER CREEK AT QUESNEL - STATION NO. DRKE016

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

13 JAN 1964	0																		
27 JAN 1965	0.5																		
4 JAN 1967	0																		
14 JAN 1971	0.5																		
10 JAN 1972	0																		
9 JAN 1973	1																		
24 JAN 1974	1																		
29 JAN 1975	1																		
26 JAN 1976	1																		
26 MAR 1964		0																	
23 MAR 1972		2																	
13 MAR 1973		0																	
5 MAR 1974		1																	
7 MAR 1974		0																	
21 MAR 1974		0																	
19 MAR 1975		1																	
15 MAY 1975			9																
7 MAY 1971			3.5																
20 MAY 1971			5																
2 MAY 1973			3.5																
15 MAY 1973			13.5																
23 MAY 1974			10																
30 MAY 1974			10																
13 MAY 1975			10																
14 MAY 1975			10																
30 MAY 1975			10.5																
6 MAY 1976			8																
19 MAY 1976			8																
17 JUN 1965			19																
27 JUN 1969			19																
2 JUN 1971			16																
6 JUN 1973			14.5																
13 JUN 1974			13.5																
17 JUN 1975			15																
3 JUN 1976			7.5																
9 JUN 1976			11																
25 APR 1971			3.5																
28 APR 1971			4																
11 APR 1972			1.5																
2 APR 1973			1.5																
3 APR 1974			0.5																
17 APR 1974			3.5																
25 APR 1974			6.5																
30 APR 1974			6																
18 APR 1975			2																
5 APR 1976			2.5																
12 JUL 1963			15.5																
31 JUL 1963			17																
3 JUL 1973			16.5																
10 JUL 1974			15.5																
18 JUL 1975			16																
26 JUL 1976			13																
15 OCT 1963			10.5																
24 OCT 1963			5.5																
4 OCT 1972			5.5																
11 OCT 1973			8																
7 OCT 1974			8																
8 OCT 1975			3.5																
29 OCT 1976			4																
21 DEC 1972																			
1 DEC 1975																			
31 DEC 1975																			

BARNES CREEK ABOVE PENSE LAKE DIVERSION - STATION NO. 08LF070

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

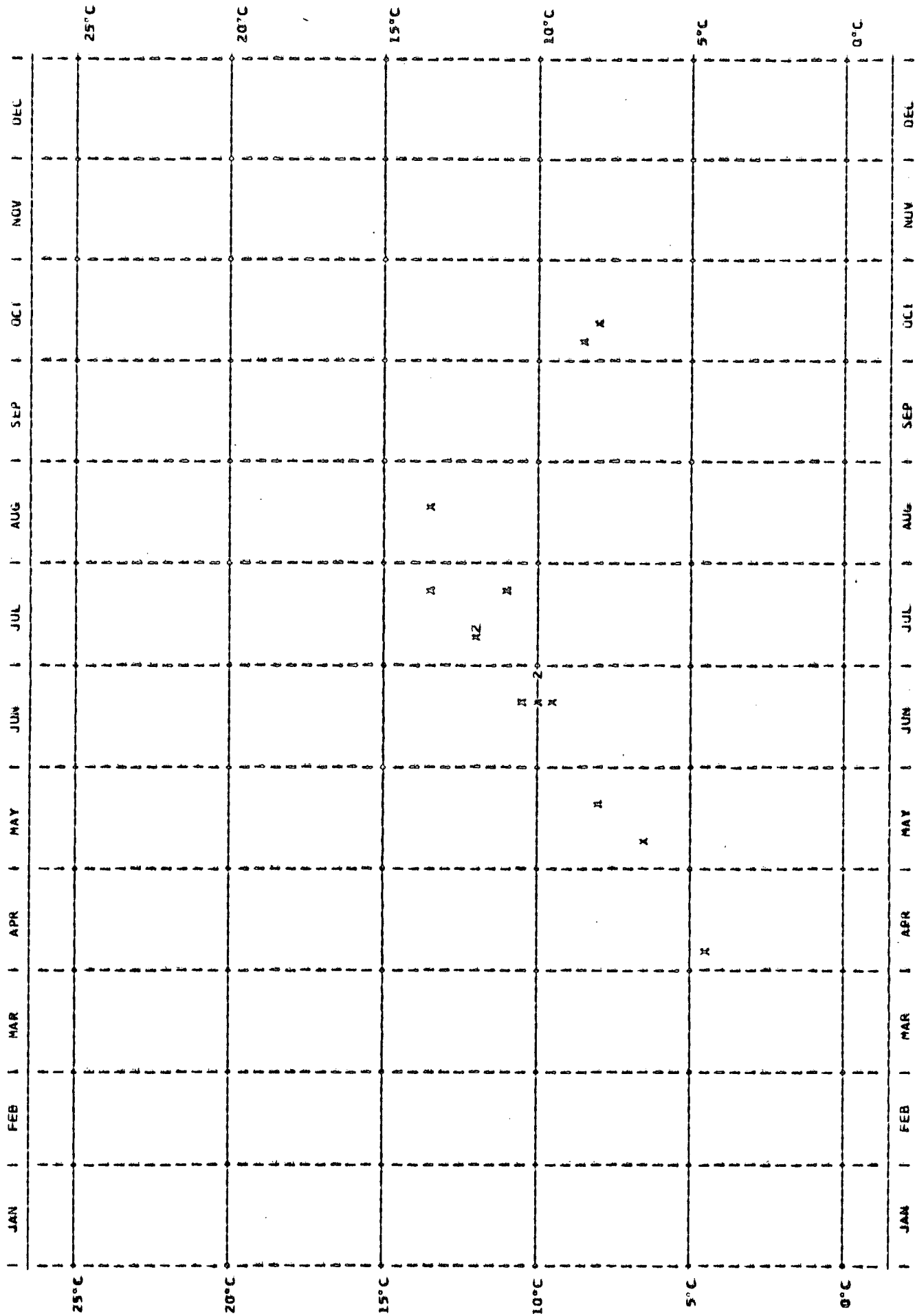
16 JAN 1969	0				22 MAY 1968	1.5		9 JUL 1968	10.5		18 SEP 1967	10		21 NOV 1969	0.5
14 JAN 1969	0.				27 MAY 1970	3		26 JUL 1969	8		9 SEP 1972	6		13 NOV 1971	0
9 JAN 1970	0				4 MAY 1971	1.5		8 JUL 1970	10.5					8 NOV 1972	0.5
9 JAN 1971	0				15 MAY 1971	3		9 JUL 1972	12					4 NOV 1973	0
12 JAN 1972	0				5 MAY 1972	1.5		17 JUL 1973	12					4 NOV 1973	0
20 JAN 1973	0				19 MAY 1972	3		19 JUL 1974	9					21 NOV 1974	0
9 JAN 1974	0				30 MAY 1972	5.5									
					17 MAY 1973	3									
					29 MAY 1973	9.5									
					4 MAY 1974	2									
					21 MAY 1974	4									
20 FEB 1969	0				26 JUN 1967	10		27 AUG 1968	8.5		28 OCT 1968	4		16 DEC 1972	0
21 FEB 1971	0				11 JUN 1969	10		9 AUG 1971	13.5		3 ULT 1969	2			
22 FEB 1974	0				1 JUN 1971	5		10 AUG 1973	12		25 ULT 1970	1.5			
					6 JUN 1972	6.5					5 OCT 1971	6			
					1 JUN 1974	4					10 OCT 1974	3.5			
					25 JUN 1974	7									

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

8 JAN 1957	0.5	17 MAR 1955	3.5	29 MAY 1951	8.5	10 JUL 1951	10	18 SEP 1953	10	23 NOV 1951	1
14 JAN 1958	1.5	25 MAR 1958	4.5	6 MAY 1952	8.5	10 JUL 1952	12	12 SEP 1956	13.5	28 NOV 1952	1.5
12 JAN 1959	1.5	2 MAR 1959	2	11 MAY 1955	5.5	7 JUL 1955	12	8 SEP 1959	8.5	10 NOV 1954	4.5
10 JAN 1961	4	27 MAR 1962	4	30 MAY 1956	4.5	6 JUL 1955	9.5	17 SEP 1963	11	27 NOV 1956	3
17 JAN 1963	1	6 MAR 1964	4.5	15 MAY 1957	4	4 JUL 1957	11.5	23 SEP 1964	8.5	15 NOV 1957	4.5
26 JAN 1966	3	30 MAR 1966	2	14 MAY 1958	3.5	15 JUL 1958	14	21 SEP 1966	11.5	2 NOV 1959	5.5
24 JAN 1967	3.5	15 MAR 1967	3.5	6 MAY 1959	6	16 JUL 1959	11.5	12 SEP 1968	13.5	24 NOV 1960	3.5
21 JAN 1969	0	9 MAR 1971	2	26 MAY 1959	4.5	15 JUL 1959	12	23 SEP 1970	8.5	30 NOV 1961	4
20 JAN 1970	1	4 MAR 1974	3	27 MAY 1959	3.5	7 JUL 1960	13	5 SEP 1975	10.5	20 NOV 1963	5.5
13 JAN 1972	1			31 MAY 1960	5	27 JUL 1960	14.5	9 SEP 1976	7	9 NOV 1966	4.5
4 JAN 1973	2			19 MAY 1964	4.5	19 JUL 1964	13			21 NOV 1973	1.5
15 JAN 1974	2			20 MAY 1964	4.5	29 JUL 1965	13.5			15 NOV 1974	5
8 JAN 1975	4			7 MAY 1965	3.5	26 JUL 1967	14			25 NOV 1975	3
5 JAN 1976	2			18 MAY 1966	3.5	18 JUL 1968	11			24 NOV 1976	3
				25 MAY 1967	5	14 JUL 1970	16				
				30 MAY 1968	6.5	28 JUL 1971	13				
				27 MAY 1970	3.5	12 JUL 1972	10				
				3 MAY 1971	5	4 JUL 1974	9.5				
				9 MAY 1972	3.5	7 JUL 1976	9.5				
				26 MAY 1975	3.5						
				8 MAY 1975	3.5						
				5 MAY 1975	6.5						

7 FEB 1951	0	24 APR 1951	6.5	18 JUN 1953	6.5	9 AUG 1951	14.5	2 JUL 1951	9.5	1 DEC 1950	0
21 FEB 1952	3.5	13 APR 1954	4.5	25 JUN 1956	8	14 AUG 1952	13	23 OCT 1953	4.5	9 DEC 1953	1
25 FEB 1953	3	8 APR 1957	4.5	4 JUN 1958	8.5	20 AUG 1957	13	20 OCT 1955	7	21 DEC 1955	1.5
4 FEB 1954	3	22 APR 1958	4.5	15 JUN 1958	12	12 AUG 1958	16.5	19 OCT 1956	6	17 DEC 1957	2
8 FEB 1955	2	15 APR 1959	5.5	17 JUN 1958	14	13 AUG 1958	13.5	15 OCT 1958	8.5	9 DEC 1958	1.5
14 FEB 1957	2	16 APR 1959	6.5	29 JUN 1959	10	6 AUG 1959	11	2 OCT 1959	6.5	18 DEC 1959	1.5
11 FEB 1958	3.5	7 APR 1960	6	28 JUN 1960	9.5	24 AUG 1960	13	21 OCT 1960	7	7 DEC 1967	4
4 FEB 1960	3	12 APR 1961	4.5	17 JUN 1961	9.5	17 AUG 1961	14.5	4 OCT 1961	10.5	22 DEC 1969	2
5 FEB 1965	3	19 APR 1967	4.5	14 JUN 1962	8.5	1 AUG 1972	12	20 OCT 1965	6	3 DEC 1970	5.5
9 FEB 1968	3	9 APR 1968	6	6 JUN 1963	8	22 AUG 1972	12	4 OCT 1967	10	2 DEC 1971	0
27 FEB 1969	2	9 APR 1969	5.5	15 JUN 1967	9	6 AUG 1974	15.5	8 OCT 1969	9		
25 FEB 1970	3.5	14 APR 1970	4.5	24 JUN 1969	9	14 AUG 1975	14	29 OCT 1971	6.5		
2 FEB 1971	0.5	7 APR 1971	4	18 JUN 1970	11.5			3 OCT 1972	6.5		
17 FEB 1972	3	25 APR 1972	3.5	14 JUN 1971	4.5			2 OCT 1974	9.5		
28 FEB 1973	3.5	4 APR 1973	4.5	6 JUN 1972	13.5			8 OCT 1975	6.5		
21 FEB 1975	2	3 APR 1974	4.5	21 JUN 1972	13.5			6 OCT 1976	7		
26 FEB 1975	3	25 APR 1974	4.5	5 JUN 1973	7						
		3 APR 1975	2	19 JUN 1973	8.5						
		7 APR 1976	3.5	5 JUN 1974	9						
				21 JUN 1974	9						
				2 JUN 1975	3.5						
				4 JUN 1975	6						
				20 JUN 1975	9.5						
				15 JUN 1976	6.5						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BEAR CREEK ABOVE FALLS NEAR TRAIL - STATION NO. 06NE096
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

7 MAR 1957	2								
		2 MAY 1956	9.5		27 JUL 1956	13.5		19 SEP 1956	13.5
		28 MAY 1959	8.5		7 JUL 1959	12		2 SEP 1959	12
		31 MAY 1960	11		28 JUL 1959	14.5		29 SEP 1964	10
					23 JUL 1960	18		1 SEP 1965	11.5
					12 JUL 1964	14		21 SEP 1966	12
					13 JUL 1965	15.5			
					8 JUL 1967	12			
					20 JUL 1967	13.5			
		21 JUN 1956	11.5		21 AUG 1956	14.5			
		16 JUN 1959	10.5		12 AUG 1959	14.5			
		29 JUN 1959	14		4 AUG 1960	15			
		29 JUN 1960	12		23 AUG 1964	11			
		22 JUN 1964	15		2 AUG 1966	16			
		25 JUN 1964	10						
		23 JUN 1966	10.5						

BEARD CREEK NEAR PAKSON - STATION NO. 08MAJ56

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

19 MAY 1967	0	13 JUL 1967	10	28 SEP 1965	4.5
15 MAY 1968	9	15 JUL 1968	11.5	24 SEP 1966	9.5
23 MAY 1968	10			26 SEP 1967	8
				30 SEP 1968	11.5
30 APR 1968	8	1 JUN 1965	6.5		
		27 JUN 1966	8	3 AUG 1965	11
		4 JUN 1968	10.5	25 AUG 1967	8
		17 JUN 1968	11	14 AUG 1968	12
				21 AUG 1968	13

BEATON CREEK NEAR BEATON - STATION NO. 06NED08

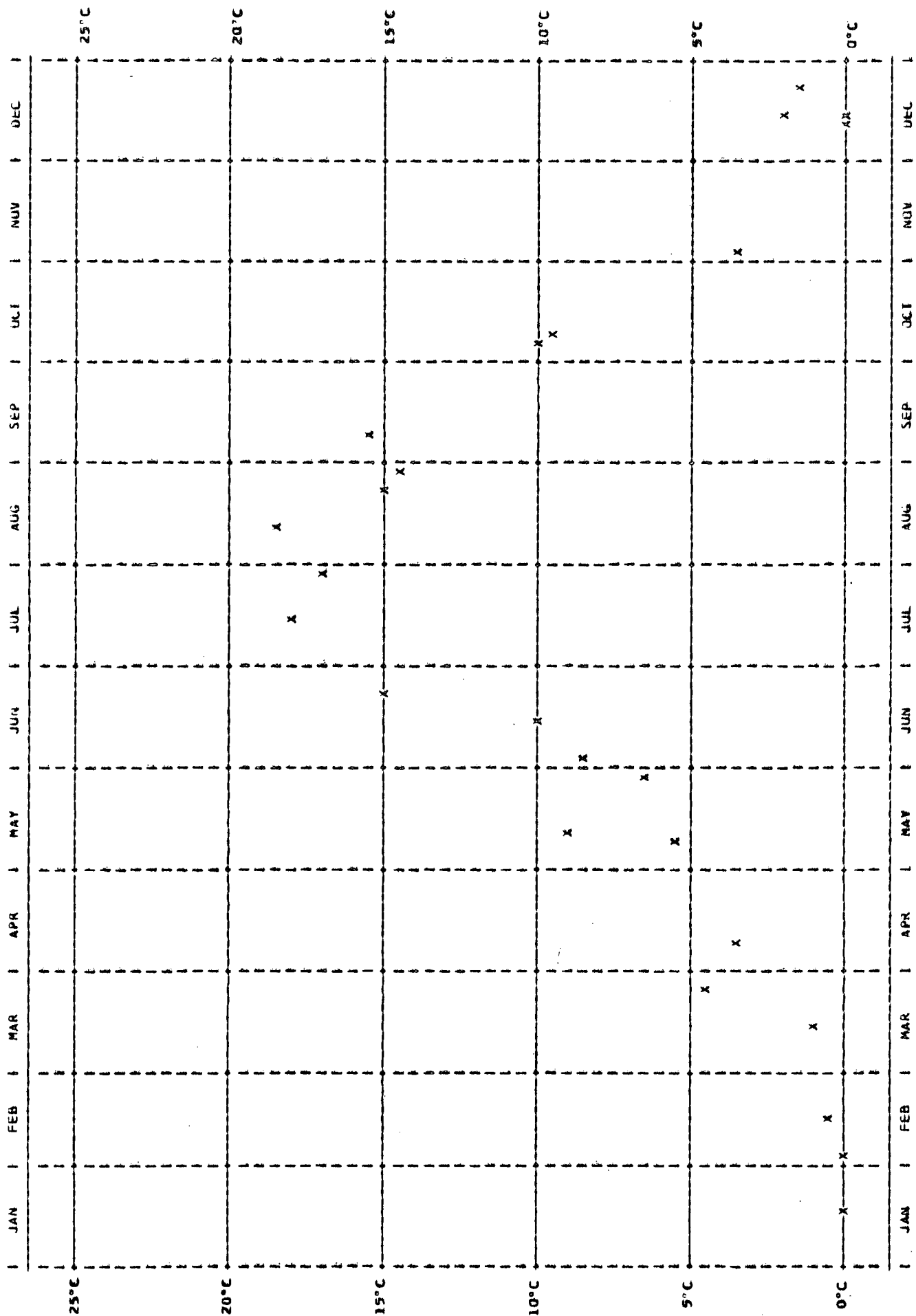
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

31 JAN 1952	0.5								4 SEP 1952	13.0	15 NOV 1961	3.5
8 JAN 1958	0.5								14 SEP 1958	13.5	20 NOV 1964	4.5
27 JAN 1959	0.5								19 SEP 1961	12	8 NOV 1966	4.5
11 JAN 1961	4								21 SEP 1962	11	18 NOV 1971	4.5
15 JAN 1965	3								16 SEP 1963	13	7 NOV 1972	5
25 JAN 1967	2								3 SEP 1964	13	13 NOV 1973	5.5
22 JAN 1969	0								22 SEP 1966	11.5	25 NOV 1976	3
26 JAN 1970	1								27 SEP 1968	10.5		
8 JAN 1971	1.5								22 SEP 1970	10		
7 JAN 1972	2								6 SEP 1972	13		
3 JAN 1973	0								6 SEP 1973	14.5		
10 JAN 1975	1								9 SEP 1976	9.5		

18 FEB 1954	2								22 OCT 1952	7	20 DEC 1955	0
7 FEB 1957	1.5								8 OCT 1953	8.5	20 DEC 1956	2
8 FEB 1964	1								14 OCT 1954	6.5	18 DEC 1958	1
11 FEB 1964	0.5								11 OCT 1955	8	8 DEC 1959	3.5
26 FEB 1969	2								28 OCT 1958	5.5	7 DEC 1960	2
26 FEB 1970	1								20 OCT 1959	8	13 DEC 1962	3.5
10 FEB 1972	2								19 OCT 1960	8	8 DEC 1967	3.5
12 FEB 1974	3								2 OCT 1965	5	18 DEC 1969	4
27 FEB 1975	1.5								5 OCT 1967	10	2 DEC 1970	2
									30 OCT 1968	6.5	6 DEC 1972	0
									7 OCT 1969	9		
									10 OCT 1974	8		
									23 OCT 1975	5.5		
									5 OCT 1976	6.5		

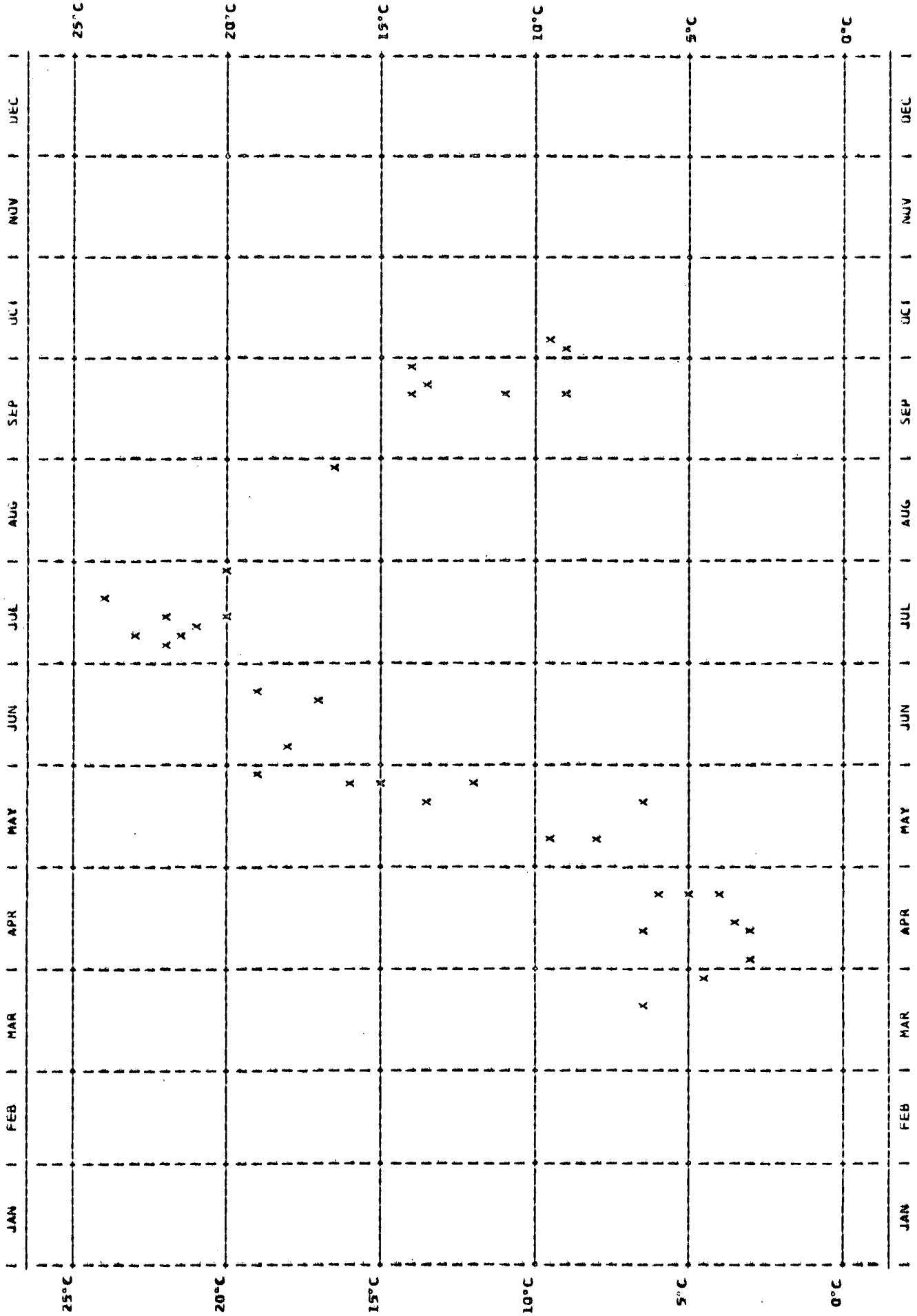
BEAVER CREEK AT FRUITVALE - STATION NO. 08NE042

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BEAVER CREEK AT OUTLET OF BEAVER LAKE - STATION NO. 08KH021

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BEAVER CREEK AT OUTLET OF BEAVER LAKE - STATION NO. 00KHUZI

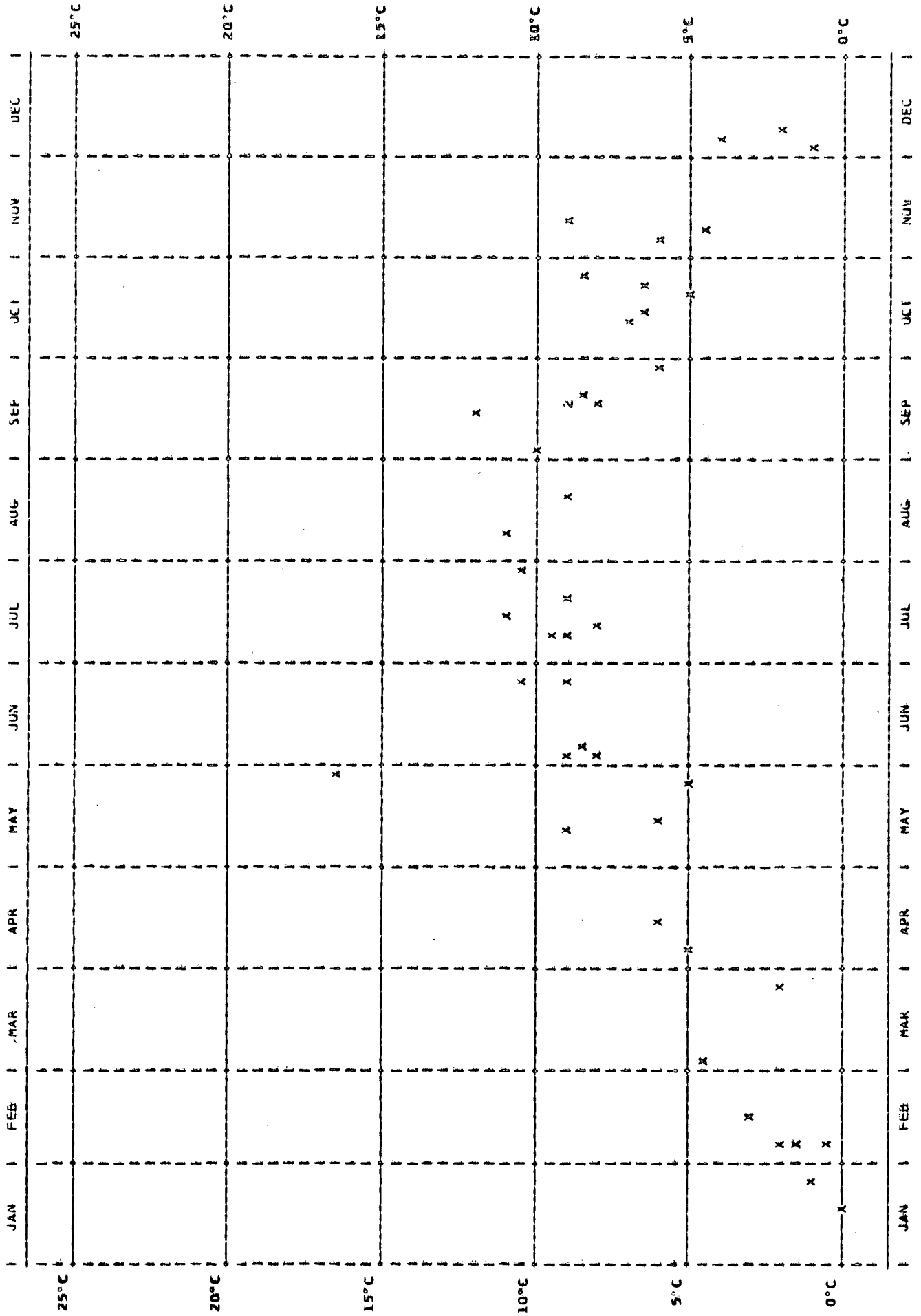
SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	31 MAR 1969	4.5		21 MAY 1967	15		8 JUL 1965	21.5		22 SEP 1966	13.5	
	19 MAR 1971	6.5		21 MAY 1968	13.5		14 JUL 1967	22		20 SEP 1971	11	
				26 MAY 1969	15		4 JUL 1968	22		21 SEP 1972	9	
				19 MAY 1970	9.5		13 JUL 1969	21		20 SEP 1973	14	
				8 MAY 1972	9.5		7 JUL 1970	23		30 SEP 1975	14	
				29 MAY 1972	19		14 JUL 1971	20				
				7 MAY 1975	8		29 JUL 1973	24				
				26 MAY 1975	12		28 JUL 1975	20				
	23 APR 1965	4		6 JUN 1960	18		28 AUG 1965	16.5		2 JUL 1967	9.5	
	25 APR 1967	6		19 JUN 1973	17					2 JUL 1968	9	
	10 APR 1968	3		24 JUN 1975	19							
	14 APR 1972	3.5										
	12 APR 1973	6.5										
	3 APR 1975	5										
	25 APR 1975	5										

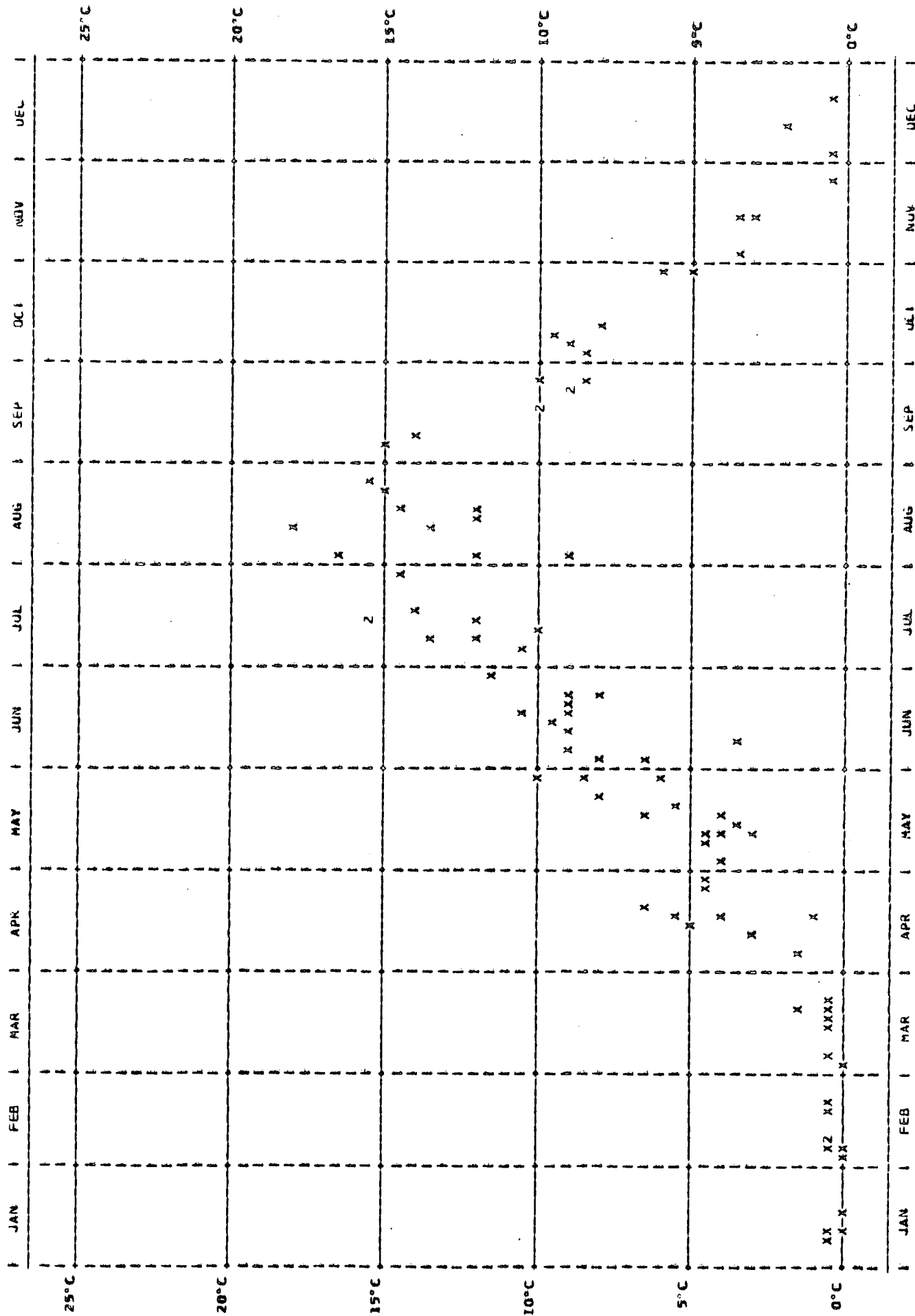
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C						X	X	X	X			
10°C						X	X	X	X	X		
5°C						X	X	X	X	X	X	X
0°C						X	X	X	X	X	X	X

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BELLEVUE CREEK NEAR OKANAGAN MISSION - STATION NO. U8NMO33
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BESSETTE CREEK NEAR LUMBY - STATION NO. 09LL005

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

23 MAR 1969	3	23 MAY 1967	8.5	20 JUL 1965	14.5	23 SEP 1965	8.5
24 MAR 1970	7	30 MAY 1969	9	13 JUL 1966	9.5	16 SEP 1969	12
31 MAR 1970	5.5	14 MAY 1970	7	11 JUL 1967	16.5	16 SEP 1970	15
27 MAR 1972	8	23 MAY 1970	9	23 JUL 1969	20	23 SEP 1971	12
31 MAR 1976	5.5	13 MAY 1971	6.5	7 JUL 1971	12	23 SEP 1975	14
		3 MAY 1972	9	3 JUL 1972	20	15 SEP 1976	13.5
		16 MAY 1972	8	13 JUL 1975	17		
		30 MAY 1972	11	13 JUL 1976	16.5		
		12 MAY 1975	10.5				
		4 MAY 1976	11				
		16 MAY 1976	8				
30 APR 1965	6.5	23 JUN 1965	15.5	23 AUG 1965	16.5	12 ULI 1967	10.5
19 APR 1966	6.5	16 JUN 1966	16.5	10 AUG 1966	15	7 ULI 1968	9
16 APR 1967	8	20 JUN 1967	18	21 AUG 1967	20	6 ULI 1976	7
16 APR 1968	6.5	28 JUN 1968	19	23 AUG 1970	19		
27 APR 1971	10	11 JUN 1970	11.5	10 AUG 1971	19		
12 APR 1972	4.5	18 JUN 1971	10	23 AUG 1972	20		
3 APR 1973	9.5	15 JUN 1972	13.5	12 AUG 1975	18		
2 APR 1974	4	16 JUN 1976	7				
30 APR 1974	6.5						
3 APR 1975	6.5						
10 APR 1975	10						

BIG CREEK BELOW GRAVEYARD CREEK - STATION NO. 08MB001

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

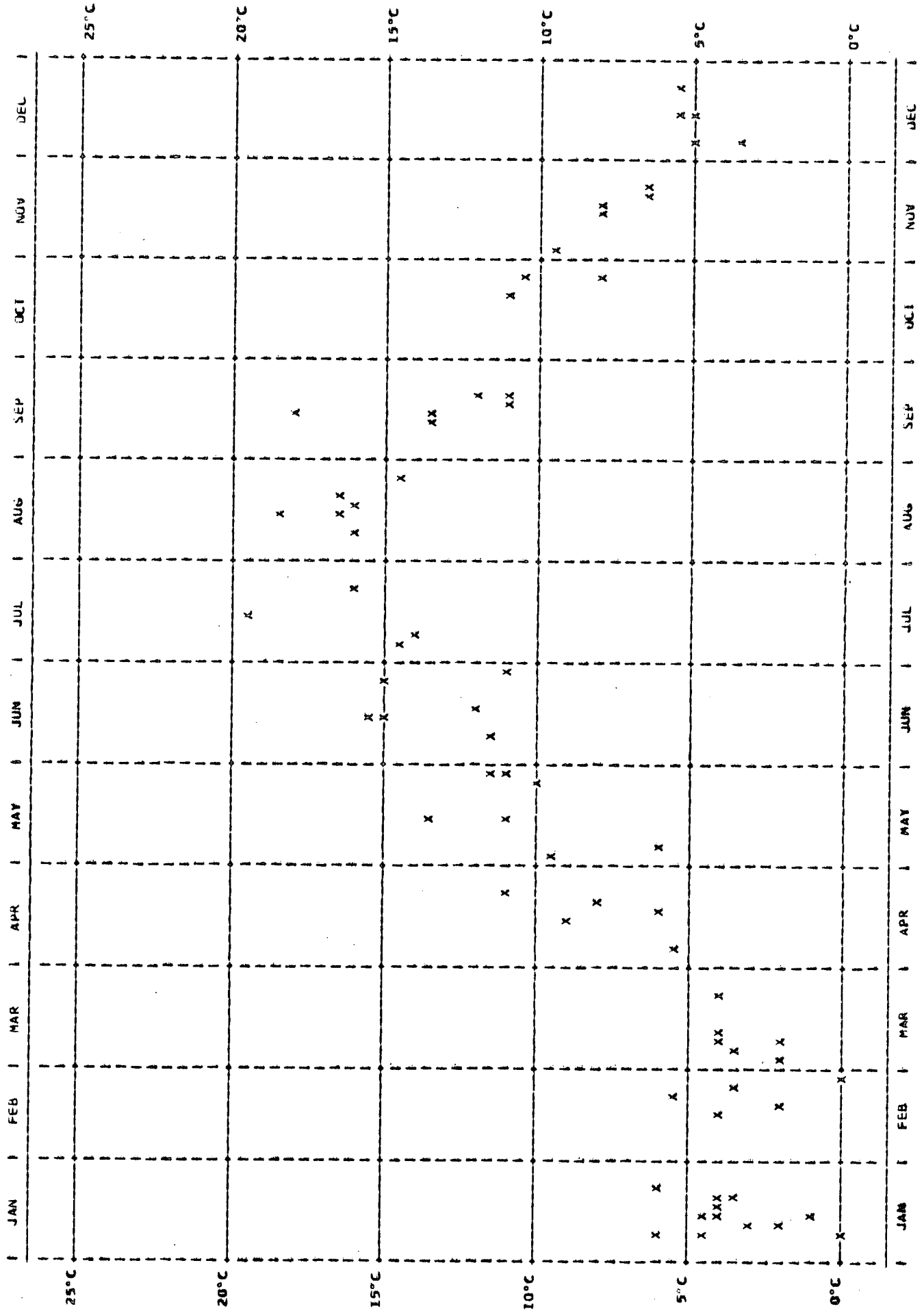
20 JAN 1975	0		21 MAR 1975	0		8 JUL 1976	4		25 SEP 1974	4.5		25 NOV 1974	0
12 JAN 1976	0		15 MAR 1976	0					12 SEP 1975	11			
									17 SEP 1976	5.5			
19 FEB 1975	0		24 APR 1975	0		7 JUN 1975	5		22 OCT 1974	2		12 DEC 1975	0
			26 APR 1976	0		21 JUN 1976	5		27 OCT 1975	0		5 DEC 1976	0
									9 OCT 1976	4.5			

BIG SALMON RIVER NEAR CARMACKS - STATION NO. 09AG001

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

16 JAN 1967	0				27 JUL 1954	11.5				29 SEP 1962	4	
28 JAN 1971	0				12 JUL 1950	15				21 SEP 1961	4.5	
					3 JUL 1964	4				26 SEP 1972	0	
					16 JUL 1965	11.5						
					29 JUL 1960	14.5						
					24 JUL 1969	12						
					16 JUL 1970	11						
					27 JUL 1972	11						
					16 JUL 1976	11						
10 FEB 1960	0				29 AUG 1955	8				12 OCT 1955	5	
26 FEB 1968	0				9 AUG 1955	10				25 OCT 1954	0	
					11 AUG 1957	15				1 OCT 1956	2	
					21 AUG 1958	11.5				25 OCT 1960	0.5	
					23 AUG 1959	8.5				24 OCT 1963	1	
					30 AUG 1960	4.5				22 OCT 1965	0.5	
					28 AUG 1961	5				11 OCT 1968	0	
					22 AUG 1965	10.5				20 OCT 1969	1	
					26 AUG 1964	10				17 OCT 1973	1	
					27 AUG 1965	11				9 OCT 1974	1	
					4 AUG 1967	14.5				8 OCT 1975	3	
					26 AUG 1971	11				7 OCT 1976	3	
					24 AUG 1975	10						
					14 AUG 1974	10						
					14 AUG 1975	12						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

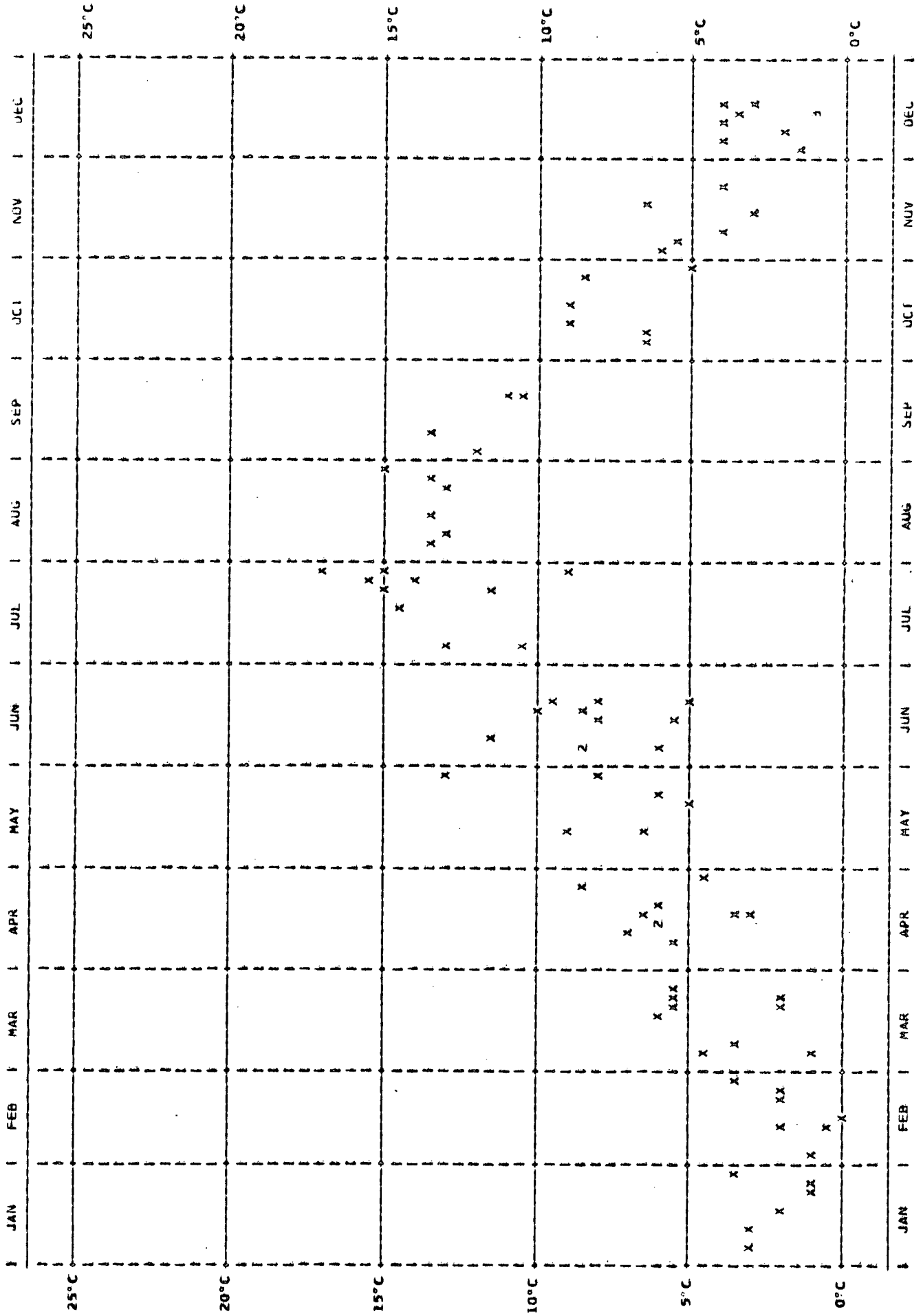


BINGS CREEK NEAR THE MOUTH - STATION NO. 08HA016

SPDI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

16 JAN 1962	4																					
15 JAN 1963	4		22 MAR 1967	4					15 JUL 1961	14		21 SEP 1964	12							2 NOV 1962	9.5	
10 JAN 1964	3		9 MAR 1970	4				7 JUL 1969	14		19 SEP 1968	11							14 NOV 1963	8		
13 JAN 1966	4.5		5 MAR 1972	3.5				22 JUL 1970	16		10 SEP 1970	13.5							19 NOV 1964	6.5		
9 JAN 1967	6		7 MAR 1974	2				4 JUL 1974	14.5		15 SEP 1971	18							18 NOV 1965	8		
23 JAN 1968	6		10 MAR 1975	4							15 SEP 1972	13.5							22 NOV 1966	6.5		
19 JAN 1970	4		2 MAR 1976	2							18 SEP 1975	11										
11 JAN 1972	2																					
21 JAN 1972	3.5																					
7 JAN 1974	0																					
15 JAN 1975	1																					
7 JAN 1975	4.5																					
26 FEB 1962	0																					
15 FEB 1965	4		24 APR 1962	11				15 JUN 1962	15		17 AUG 1961	16							13 DEC 1965	5		
21 FEB 1967	5.5		6 APR 1964	9				15 JUN 1967	15.5		14 AUG 1964	18.5							13 DEC 1967	5.5		
17 FEB 1969	2		15 APR 1966	8				27 JUN 1967	15		23 AUG 1966	14.5							5 DEC 1969	5		
23 FEB 1972	3.5		21 APR 1969	6				28 JUN 1971	11		21 AUG 1967	16.5							6 DEC 1971	3.5		
			17 APR 1972					7 JUN 1972	11.5		9 AUG 1972	16							23 DEC 1976	5.5		
								16 JUN 1973	12		14 AUG 1973	16.5										

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BIRKENHEAD RIVER AT AUBINI CURRIE - STATION NO. 08MG008

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

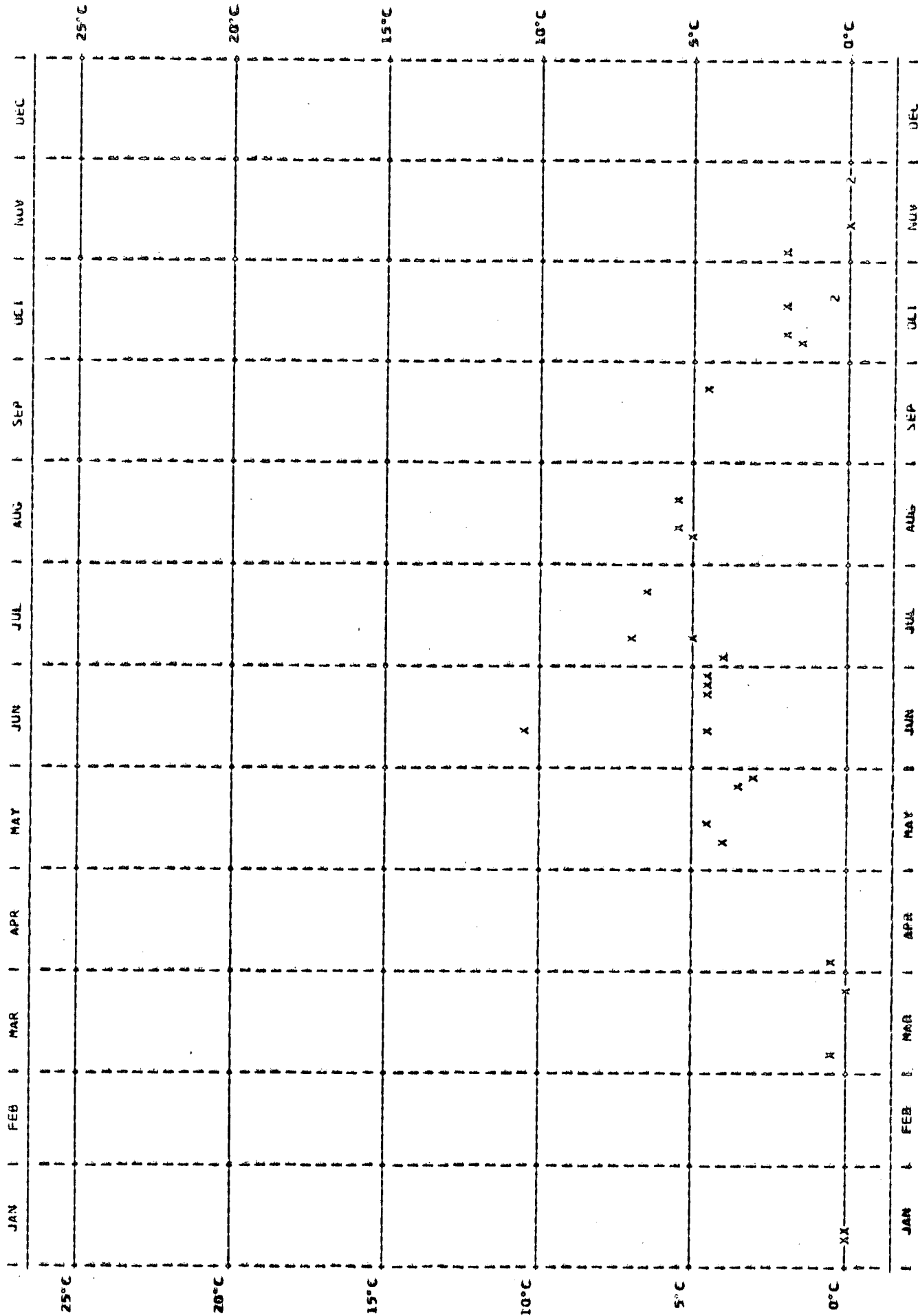
11 JAN 1956	3						17 JUL 1952	14.5		6 SEP 1955	15.5		4 NOV 1950	5.5
24 JAN 1955	1						22 JUL 1954	15		1 SEP 1959	12		7 NOV 1951	4
26 JAN 1965	1						5 JUL 1955	10.5		21 SEP 1961	11		23 NOV 1960	4
4 JAN 1967	3						30 JUL 1955	9		20 SEP 1966	10.5		15 NOV 1964	3
16 JAN 1968	2						28 JUL 1960	15					1 NOV 1966	6
29 JAN 1971	3.5						23 JUL 1961	15.5					1 NOV 1966	6
							26 JUL 1962	14					16 NOV 1967	6.5
							24 JUL 1963	11.5						
							6 JUL 1965	15						
							28 JUL 1965	17						
15 FEB 1950	0						23 AUG 1949	15		25 OCT 1949	8.5		13 DEC 1949	1
22 FEB 1955	2						14 AUG 1951	13.5		16 OCT 1952	9		15 DEC 1950	1
12 FEB 1959	0.5						25 AUG 1965	13.5		5 OCT 1954	6.5		11 DEC 1954	4
1 FEB 1961	1						4 AUG 1966	13.5		31 OCT 1955	5		16 DEC 1954	4
27 FEB 1963	4.5						20 JUN 1961	9.5		10 OCT 1962	9		3 DEC 1959	1.5
10 FEB 1965	2						4 JUN 1964	6.5		5 OCT 1970	6.5		14 DEC 1961	1
21 FEB 1967	2						8 JUN 1965	11.5					6 DEC 1965	4
							16 JUN 1965	10					14 DEC 1965	3.5
							6 JUN 1967	6					7 DEC 1966	2
							21 JUN 1967	8					17 DEC 1969	5
							4 JUN 1970	8.5						

BJERKNESSE CREEK AT MIRROR LAKE - STATION 40. 08NH027

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

20 JAN 1958	1	17 MAR 1958	2	1	20 MAY 1958	5.5	1	15 JUL 1958	11	1	22 SEP 1959	8.5	1	21 NOV 1957	1
22 JAN 1958	0.5	5 MAR 1959	2	1	12 MAY 1959	5.5	1	29 JUL 1958	12	1	26 SEP 1966	10	1	4 NOV 1958	4.5
13 JAN 1959	2							14 JUL 1959	10	1			1	23 NOV 1966	4
26 JAN 1967	2							27 JUL 1956	11	1			1		
								25 JUL 1967	10	1			1		
14 FEB 1958	2	14 APR 1958	4.5	1	10 JUN 1958	9	1	19 AUG 1959	10	1	31 OCT 1967	5.5	1	5 DEC 1957	2
9 FEB 1959	1	16 APR 1958	3.5	1	4 JUN 1959	6	1	25 AUG 1967	10.5	1	22 OCT 1968	5	1	1 DEC 1958	1.5
16 FEB 1968	0	7 APR 1959	4	1	7 JUN 1966	8	1	1 AUG 1968	11.5	1			1	3 DEC 1958	2
		28 APR 1966	5.5	1	24 JUN 1967	8	1			1			1	12 DEC 1967	0
		13 APR 1967	4.5	1	1 JUN 1968	6.5	1			1			1	18 DEC 1967	0
		19 APR 1968	3.5	1	6 JUN 1968	5.5	1			1			1	13 DEC 1968	2

BLAEBERRY RIVER BELOW ENSIGN CREEK - STATION NO. 0880013
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BLAEBERRY RIVER BELOW ENSIGN CREEK - STATION NO. 08ND015

SPUD OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

10 JAN 1974	0	1	5 MAR 1974	4	1	3 JUL 1974	4	1	23 SEP 1975	4.5	1	1 NOV 1974	2
9 JAN 1975	0	1	26 MAR 1975	5	1	24 JUL 1974	6.5	1			1	27 NOV 1974	0
		1		4.5	1	9 JUL 1975	7	1			1	25 NOV 1975	0
		1		3.5	1	6 JUL 1976	5	1			1	10 NOV 1976	0
		1											
		1	1 APR 1976	10.5	1	21 AUG 1974	5.5	1	4 OCT 1974	1.5	1		
		1		4.5	1	7 AUG 1975	5	1	16 OCT 1975	2	1		
		1		4.5	1	10 AUG 1976	5.5	1	7 OCT 1976	2	1		
		1		4.5	1			1	20 OCT 1976	0.5	1		
		1		4.5	1			1	21 OCT 1976	0.5	1		

BOLEAN CREEK AT FALKLAND - STATION NO. 08LE001

SPOI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

1	21 MAY 1961	9	1	23 JUL 1962	12	1	10 SEP 1962	11	1
1	8 MAY 1962	9	1	12 JUL 1963	14	1	16 SEP 1963	10	1
1	27 MAY 1963	8	1						1
1	11 APR 1962	7	1	21 JUN 1961	11	1	27 AUG 1961	12	1
1	23 APR 1963	8.5	1	25 JUN 1962	13	1	27 AUG 1963	12	1
1			1	17 JUN 1963	14.5	1	17 AUG 1964	15.5	1
							9 JUL 1962	6	1
							5 JUL 1964	6	1

BONAPARTE RIVER ABOVE CLINTON CREEK - STATION NO. 08LF065

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1970	0		11 MAY 1968	4.5		17 JUL 1968	5		20 NOV 1968	1
6 JAN 1971	0		29 JUN 1968	13.5		15 AUG 1969	5.5		24 NOV 1970	0.5
3 FEB 1969	0		2 JUN 1970	10		4 AUG 1970	16			
9 FEB 1970	0.5									
			25 APR 1969	5.5						
			3 APR 1970	3.5						
			30 APR 1971	4.5						

BUNAPARTE RIVER ABOVE LUDN LAKEE - STATION NO. D8LF066

SPT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 JAN 1969	0		11 MAY 1968	6.5		5 SEP, 1969	11		6 NOV 1968	2
27 JAN 1970	0		5 MAY 1969	8.5		30 SEP 1970	9		26 NOV 1970	1
5 JAN 1971	0		15 MAY 1970	10						
19 FEB 1970	0.5		25 JUN 1968	15		22 AUG 1968	15			
18 FEB 1971	0		10 JUN 1970	14.5		4 AUG 1970	18			
			24 APR 1969	5.5		7 OCT 1968	7			
						20 OCT 1969	7			

BOUCHIE CREEK ABOVE BOUCHIE LAKE -- STATION NO. 08KE020

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

1	APR 1971	0.5	1	18	JUN 1970	9	1	25	AUG 1971	11.5	1	2	OCT 1973	5.5	
1	23	APR 1971	0.5	1	3	JUN 1971	11	1	21	AUG 1974	11.5	1	1	OCT 1974	8
1	28	APR 1971	3.5	1	8	JUN 1973	11	1							
1	29	APR 1971	4	1	5	JUN 1974	10.5	1							
1	4	APR 1972	2	1				1							
1	26	APR 1972	4	1				1							
1	3	APR 1973	0.5	1				1							
1	10	APR 1973	0.5	1				1							
1	18	APR 1974	2	1				1							
1				1	4	MAY 1973	6.5	1	15	JUL 1971	14.5	1	22	SEP 1970	11
1				1	1	MAY 1974	6	1	13	JUL 1973	12	1	27	SEP 1971	5
1				1	14	MAY 1974	8	1				1	12	SEP 1973	11

BOUCHIE CREEK BELOW BOUCHIE LAKE - STATION NO. 08KE025

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	6 APR 1972	2	8 JUN 1973	14	11 JUL 1973	15	12 SEP 1973	12	
	26 APR 1972	6	5 JUN 1974	13.5	1 AUG 1973	16.5	2 OCT 1972	8	
	3 APR 1973	0.5			21 AUG 1974	12	2 OCT 1973	6	
	3 APR 1974	0.5					1 OCT 1974	8	
	18 APR 1974	5							

BOUCHIER CREEK NEAR HATZIC - STATION NO. 08MH045

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

7 JAN 1960	3.5		12 MAR 1963	6		2 MAY 1961	9.5		6 SEP 1961	13.5		21 NOV 1962	5
11 JAN 1961	6.5		25 MAR 1964	6.5									
17 JAN 1961	6.5												
23 JAN 1961	5.5												
4 JAN 1963	3												
3 FEB 1960	5.5		12 APR 1960	9		28 AUG 1963	23		25 OCT 1960	10			
16 FEB 1960	6		27 APR 1964	8					24 OCT 1963	11.5			
23 FEB 1960	6.5												
27 FEB 1963	6												

BOUNDARY CREEK NEAR MIDWAY - STATION NO. 08RNU11

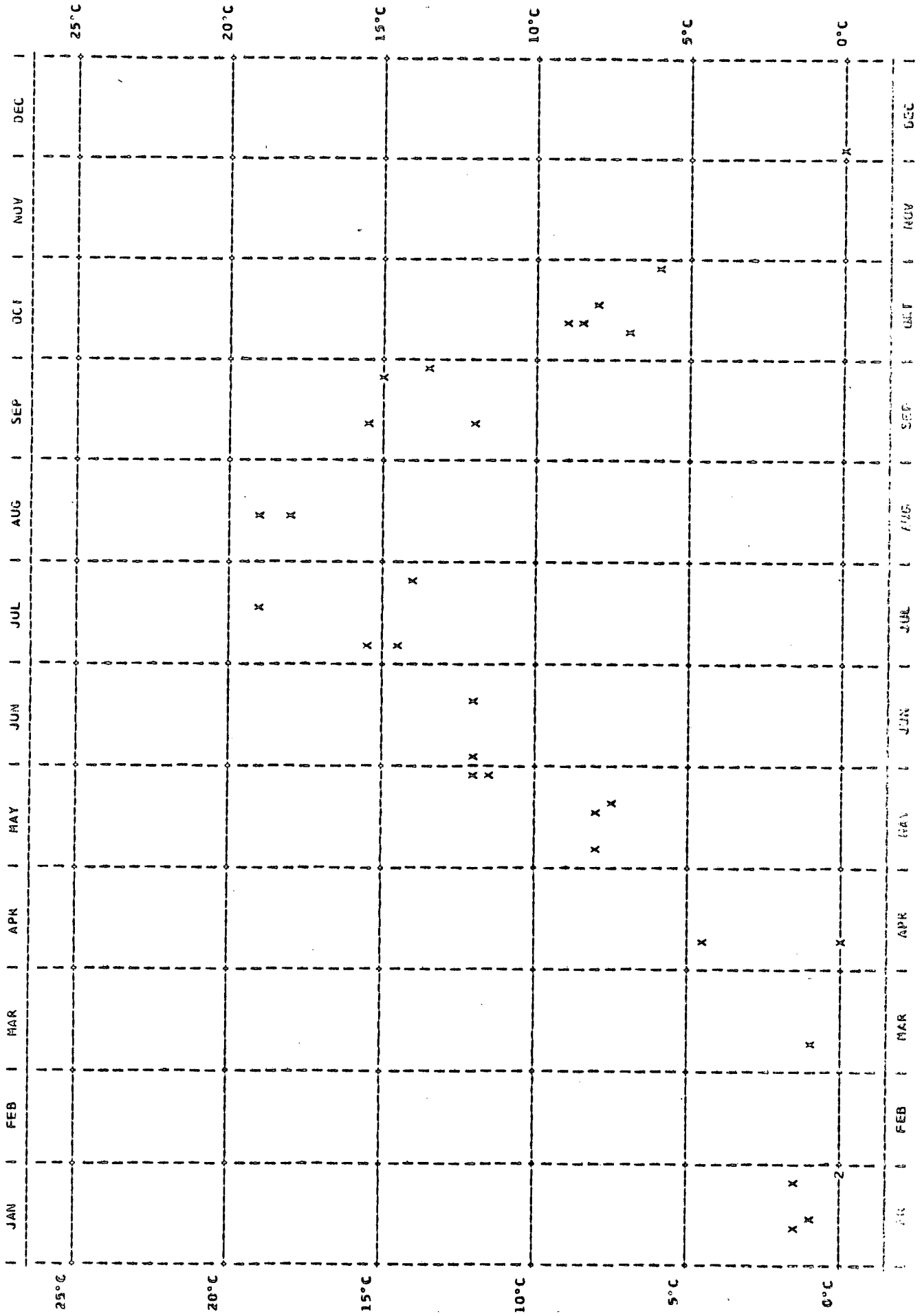
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

23 MAR 1972	4.5	16 MAY 1972	8	24 JUL 1949	12	24 SEP 1951	13.5
29 MAR 1974	5	3 MAY 1974	5	13 JUL 1972	12	6 SEP 1974	13.5
31 MAR 1976	5	6 MAY 1975	9.2	4 JUL 1974	11	9 SEP 1975	10.5
		28 MAY 1975	8.5	3 JUL 1975	14.5	17 SEP 1975	10
		5 MAY 1975	7	25 JUL 1975	20.5	29 SEP 1976	10.5
		20 MAY 1975	8.3				
20 APR 1971	5	24 JUN 1949	13.3	26 AUG 1949	17	15 OCT 1950	9
13 APR 1972	5.5	19 JUN 1950	11	7 AUG 1950	15.5	7 OCT 1952	15
5 APR 1975	5	16 JUN 1951	10	2 AUG 1951	20	10 OCT 1952	8
		10 JUN 1953	15	27 AUG 1951	15	12 OCT 1953	8
		22 JUN 1971	8.3	24 AUG 1952	13.5		
		1 JUN 1972	10.3	25 AUG 1953	10		
		27 JUN 1972	9.3	27 AUG 1953	10		
		9 JUN 1975	5.3	16 AUG 1971	14.5		
		4 JUN 1978	5.3	16 AUG 1974	14		
		22 JUN 1978	9	4 AUG 1978	13.5		

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C						X						
15°C						X	X	X	X			
10°C						X	X	X	X	X		
5°C						X	X	X	X	X	X	X
0°C						X	X	X	X	X	X	X

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BOMRON LAKE NEAR WELLS - STATION NO. 08K0005

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1969	1																				
10 JAN 1973	1.5																				
25 JAN 1974	1.5																				
30 JAN 1975	3																				
28 JAN 1976	0																				
		8 MAR 1974	1		4 MAY 1966	8		4 JUL 1973	15.5		30 SEP 1966	13.5									
					30 MAY 1969	12		5 JUL 1973	14.5		12 SEP 1974	15.5									
					16 MAY 1973	8		17 JUL 1975	19		12 SEP 1975	12									
					29 MAY 1974	11.5		25 JUL 1976	14		26 SEP 1976	15									
					21 MAY 1976	7.5															
		9 APR 1974	4.5		1 JUN 1973	12		15 AUG 1973	19		17 OCT 1967	8								2 DEC 1975	0
		7 APR 1976	0		19 JUN 1975	12		14 AUG 1975	18		12 OCT 1973	8.5									
											11 OCT 1974	9									
											9 OCT 1975	7									
											31 OCT 1976	6									

BOWRON RIVER NEAR HANSARD - STATION NO. 08KD0004

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

29 JAN 1958	0	17 MAR 1958	0	12 MAY 1959	15.5	13 JUL 1960	15	30 SEP 1955	6	6 NOV 1954	4.5
22 JAN 1959	0	16 MAR 1959	0	14 MAY 1962	8	26 JUL 1973	15.5	11 SEP 1962	9.5	17 NOV 1970	2
22 JAN 1960	0.5	25 MAR 1960	0.5	20 MAY 1964	5.5			19 SEP 1963	13.5	19 NOV 1970	2
8 JAN 1963	0	12 MAR 1963	0	18 MAY 1972	6.5			5 SEP 1965	13.5	1 NOV 1974	3
17 JAN 1966	0	16 MAR 1966	0.5	13 MAY 1974	6			5 SEP 1974	14	5 NOV 1976	4
30 JAN 1967	0	21 MAR 1969	0	27 MAY 1975	9			30 SEP 1975	10		
11 JAN 1968	0.5	2 MAR 1972	0	21 MAY 1976	9						
23 JAN 1970	0	30 MAR 1972	0								
5 JAN 1972	0	8 MAR 1973	0								
26 JAN 1972	0	28 MAR 1974	0								
4 JAN 1973	0	5 MAR 1975	0								
9 JAN 1976	0	25 MAR 1976	0								
27 FEB 1957	0	30 APR 1963	4	9 JUN 1959	9.5	11 AUG 1959	14.5	23 OCT 1958	5	21 DEC 1959	0.5
26 FEB 1958	0	18 APR 1974	0	12 JUN 1959	9.5	8 AUG 1961	16.5	18 OCT 1972	3.5	17 DEC 1964	0
16 FEB 1959	0	14 APR 1975	0	20 JUN 1960	8.5	11 AUG 1961	15.5	1 OCT 1973	6	14 DEC 1970	0
22 FEB 1960	0.5	25 APR 1975	1	13 JUN 1961	14	15 AUG 1963	15.5			19 DEC 1973	0
12 FEB 1963	0			5 JUN 1964	9	25 AUG 1972	18				
5 FEB 1964	0			3 JUN 1965	8.5	6 AUG 1975	14				
11 FEB 1965	0			22 JUN 1966	9	31 AUG 1976	11				
23 FEB 1970	0			4 JUN 1968	8						
6 FEB 1974	0			10 JUN 1969	15						
3 FEB 1975	0			18 JUN 1974	10.5						
25 FEB 1976	0			19 JUN 1975	11						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C						X	X	X				
15°C						X	X	X	X			
10°C						X	X	X	X	X		
5°C						X	X	X	X	X	X	X
0°C						X	X	X	X	X	X	X

BOHNER RIVER AT BERENSON GLACIER - STATION NO. 0802000

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C		X			X		X			X		
0°C	X	X				X	X		X	X	X	

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

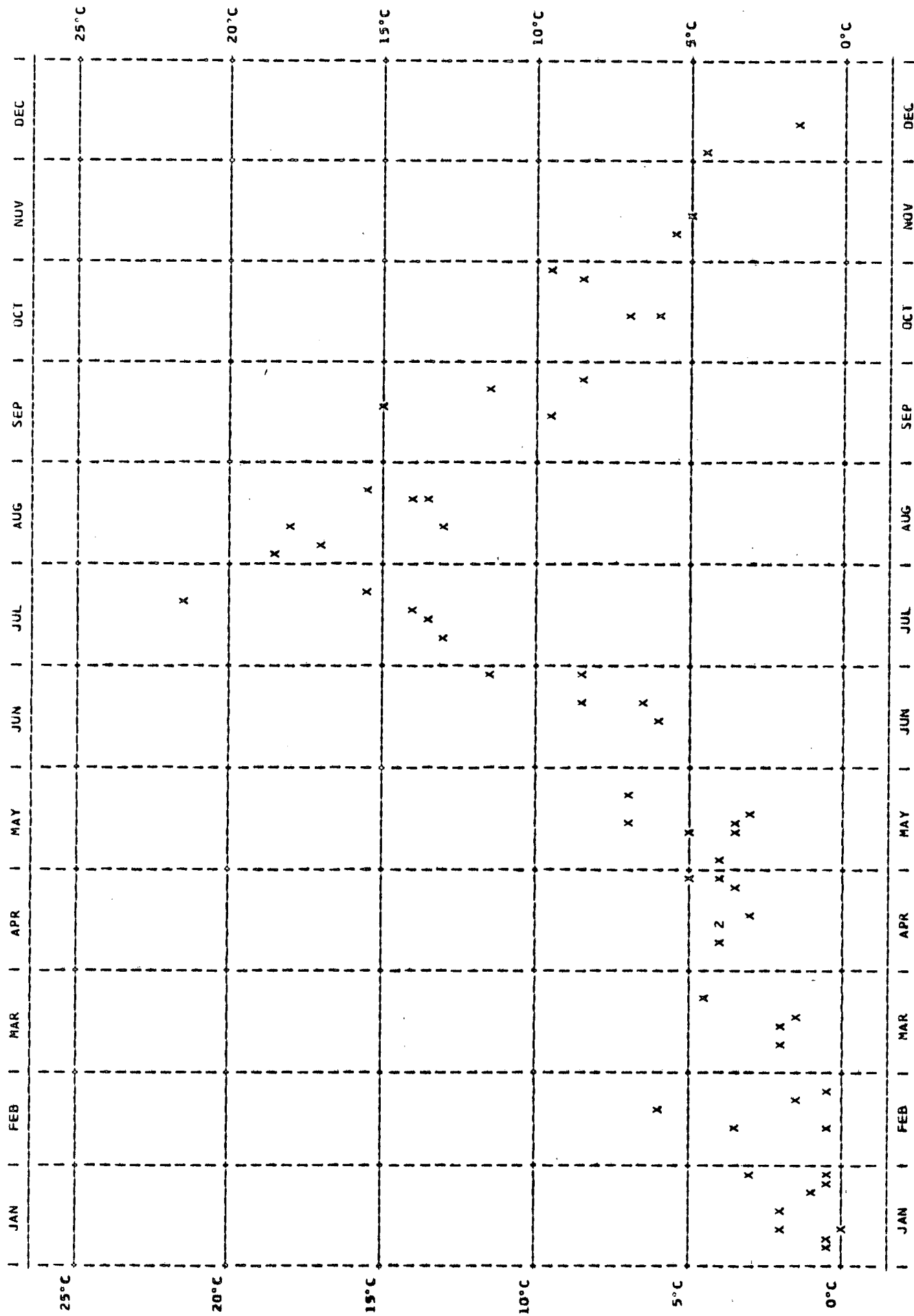
28 JAN 1968	0												
26 JAN 1969	0.5												
13 JAN 1972	0.5												
		27 MAR 1968	1	23 MAY 1969	0	23 JUL 1967	1	20 SEP 1967	0	5 NOV 1971	0.5		
		11 MAR 1969	0.5	15 MAY 1973	4	5 JUL 1969	1	30 SEP 1967	0				
		20 MAR 1972	1			4 JUL 1972	2	19 SEP 1969	0.5				
		26 MAR 1973	3.5			7 JUL 1973	5.5	9 SEP 1971	1				
								25 SEP 1972	2				
								13 SEP 1973	2				
10 FEB 1970	3.5			14 JUN 1969	1	1 AUG 1967	1	6 OCT 1969	4.5				
5 FEB 1971	1							19 OCT 1972	1				

BRASH CREEK NEAR ENDERBY - STATION NO. 08LU04

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

17 JAN 1961	1.5																
10 JAN 1962	0.5																
10 JAN 1963	0																
20 JAN 1966	0.5																
9 MAR 1965			3														
8 MAR 1966			1.5														
21 MAR 1967			3.5														
24 MAR 1969			2														
9 MAY 1962			0														
8 MAY 1963			3.5														
26 MAY 1964			4.5														
18 MAY 1965			6														
25 MAY 1967			6														
25 JUL 1963																	
23 JUL 1965																	
15 JUL 1966																	
28 JUL 1966																	
13 JUL 1967																	
24 JUN 1959			9														
13 JUN 1960			8														
16 JUN 1960			8														
29 JUN 1961			11.5														
13 JUN 1963			8														
17 JUN 1966			10														
21 JUN 1967			10.5														
10 JUN 1968			8.5														
4 JUN 1969			11														
28 APR 1960			6.5														
17 APR 1968			4														
17 AUG 1960			15.5														
26 AUG 1965			15														
30 AUG 1965			9														
8 AUG 1966			11														
28 AUG 1967			14.5														
21 AUG 1969			14.5														
7 OCT 1959			6.5														
18 OCT 1961			5.5														
28 OCT 1963			6														
21 OCT 1965			6.5														
14 OCT 1966			6.5														
15 DEC 1959			3.5														
7 DEC 1962			2														
7 DEC 1964			1.5														

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BRUCE CREEK NEAR WILMER - STATION NO. 08NA060

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

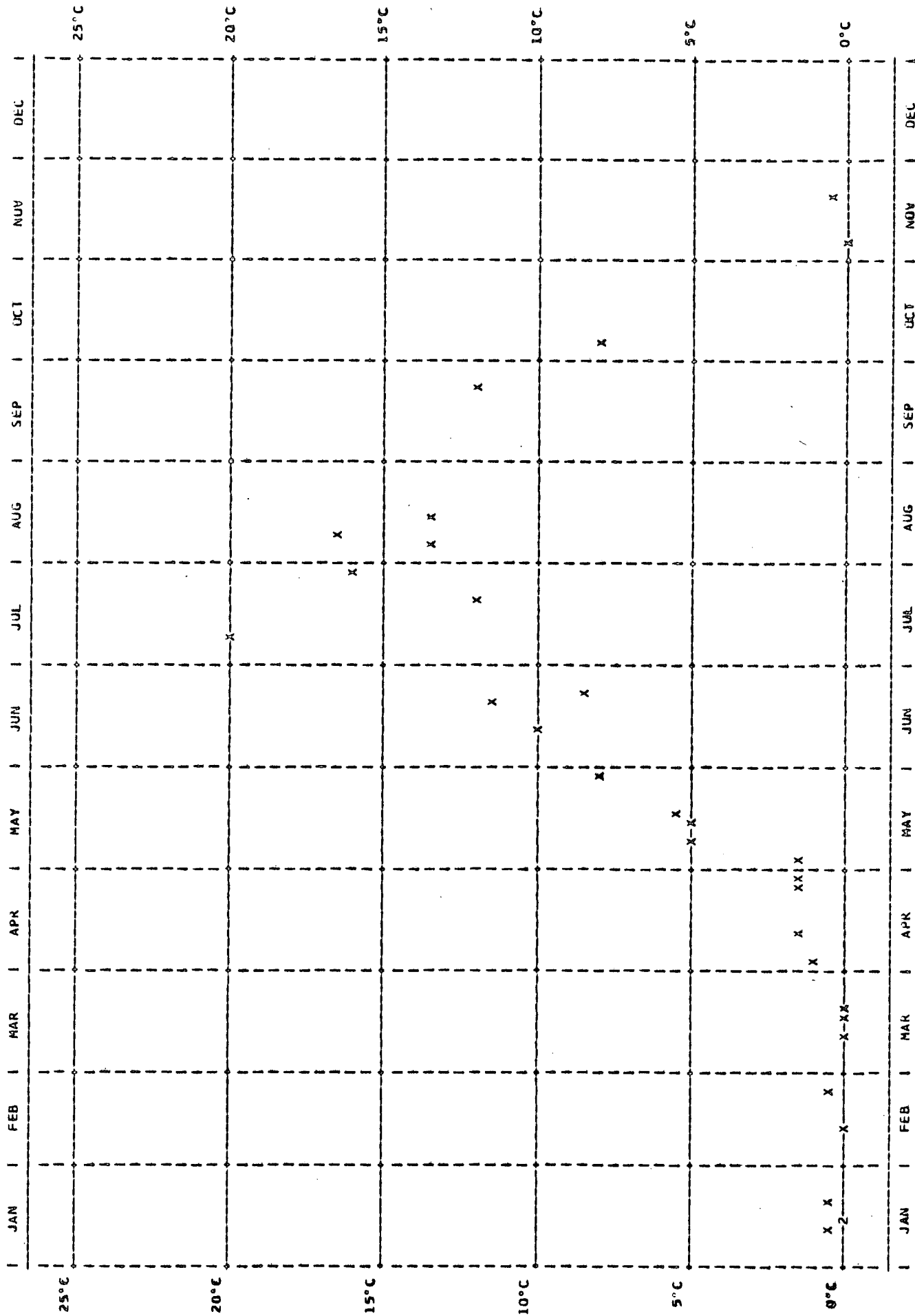
27 MAR 1969	1			5 MAY 1968	9.5	19 JUL 1968	12	29 SEP 1965	4.5
28 MAR 1972	0.5			10 MAY 1968	8	23 JUL 1970	8.5	29 SEP 1966	6
				23 MAY 1969	8	9 JUL 1971	6	3 SEP 1969	8
				8 MAY 1970	3.5	11 JUL 1972	6	19 SEP 1969	6
				20 MAY 1971	3.5	4 JUL 1973	9	17 SEP 1971	3
				24 MAY 1972	4.5	25 JUL 1973	9	21 SEP 1972	4
						17 JUL 1974	7	20 SEP 1973	6
						15 JUL 1976	5.5	25 SEP 1974	6
								9 SEP 1976	4
21 APR 1969	4.5			28 JUN 1966	6.5	10 AUG 1965	9.5	5 OCT 1967	3.5
7 APR 1970	0.5			21 JUN 1967	6.5	25 AUG 1966	10.5	10 OCT 1969	4
19 APR 1971	1.5			7 JUN 1968	10	20 AUG 1968	11	2 OCT 1970	5.5
27 APR 1972	4			21 JUN 1968	9.5	8 AUG 1969	8.5	5 OCT 1971	5.5
				4 JUN 1969	8.5	7 AUG 1970	11.5	4 OCT 1972	1.5
				28 JUN 1969	6.5	10 AUG 1971	8.5	3 OCT 1973	2
				18 JUN 1970	7	1 AUG 1972	10.5	22 OCT 1974	2
				26 JUN 1970	7	18 AUG 1972	9	13 OCT 1976	3.5
				3 JUN 1971	4.5	15 AUG 1973	9		
				2 JUN 1972	7	22 AUG 1974	7		
				16 JUN 1972	6	11 AUG 1976	7		
					6				

BRUNETTE RIVER AT SAPPERION - STATION NO. 08MH026

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

3 JAN 1951	1.5		7 MAR 1950	2		28 JUL 1959	12		29 SEP 1950	8		7 NOV 1950	6
31 JAN 1955	6.5		27 MAR 1952	4		4 JUL 1960	13		25 SEP 1951	13		30 NOV 1950	5.5
10 JAN 1962	6.5		7 MAY 1952	4		25 JUL 1961	12		30 SEP 1954	12		30 NOV 1959	3.5
11 JAN 1966	3.5		7 MAY 1953	13.5		20 JUL 1966	20		26 SEP 1958	11		20 NOV 1962	9
6 JAN 1967	3.5		19 MAY 1961	14.5		21 JUL 1966	19		22 SEP 1960	13		4 NOV 1964	9
			9 MAY 1962	10.5		27 JUL 1966	19.5		9 SEP 1965	15		30 NOV 1965	7
			20 MAY 1964	11.5		10 JUL 1967	18		23 SEP 1965	14		18 NOV 1970	8
			19 MAY 1966	15.5		31 JUL 1969	21		13 SEP 1966	14.5			
			20 MAY 1966	15					19 SEP 1968	14			
			3 MAY 1967	14					5 SEP 1969	16			
			12 MAY 1967	11.5									
10 FEB 1950	1		23 JUN 1961	13.5		7 AUG 1958	16		25 UCT 1950	8		28 DEC 1951	2
12 FEB 1952	5		18 JUN 1963	21		21 AUG 1961	20.5		1 UCT 1952	15.5		2 DEC 1955	4.5
25 FEB 1954	2		25 JUN 1964	18.5		12 AUG 1964	16.5		5 UCT 1955	10		1 DEC 1958	5
18 FEB 1959	3.5		15 JUN 1965	18.5		15 AUG 1966	19.5		5 UCT 1956	11		3 DEC 1958	6.5
21 FEB 1964	5.5		27 JUN 1966	14.5		18 AUG 1967	19		1 UCT 1959	11.5		12 DEC 1960	3.5
5 FEB 1965	4		27 JUN 1967	20					25 UCT 1963	10		1 DEC 1961	8
25 FEB 1965	5.5								28 OCT 1963	9.5		23 DEC 1963	8.5
24 FEB 1967	4.5								3 UCT 1967	14.5		3 DEC 1964	8
												2 DEC 1966	7
												14 DEC 1966	8
												30 DEC 1970	3.5

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BUCK CREEK AT THE MOUTH - STATION NO. 08EE013

SPOUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

10 JAN 1973	0.5		20 MAR 1973	0		17 MAY 1972	5.5		30 JUL 1973	16		22 SEP 1976	12		20 NOV 1973	0.5
15 JAN 1974	0		11 MAR 1974	0		15 MAY 1973	5		7 JUL 1975	20					4 NOV 1975	0
21 JAN 1975	0.5		16 MAR 1976	0		29 MAY 1973	8		19 JUL 1976	12						
14 JAN 1976	0					3 MAY 1974	1.5									
						9 MAY 1975	5									
24 FEB 1975	0.5		12 APR 1973	1.5		21 JUN 1973	11.5		8 AUG 1973	16.5		4 OCT 1974	8			
11 FEB 1976	0		25 APR 1973	1.5		12 JUN 1975	10		13 AUG 1974	13.5						
			2 APR 1974	1		24 JUN 1976	8.5		6 AUG 1975	13.5						
			28 APR 1976	1.5												

BUGABOD CREEK NEAR SPILLIMACHEEN - STATION NO. 08NA001

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

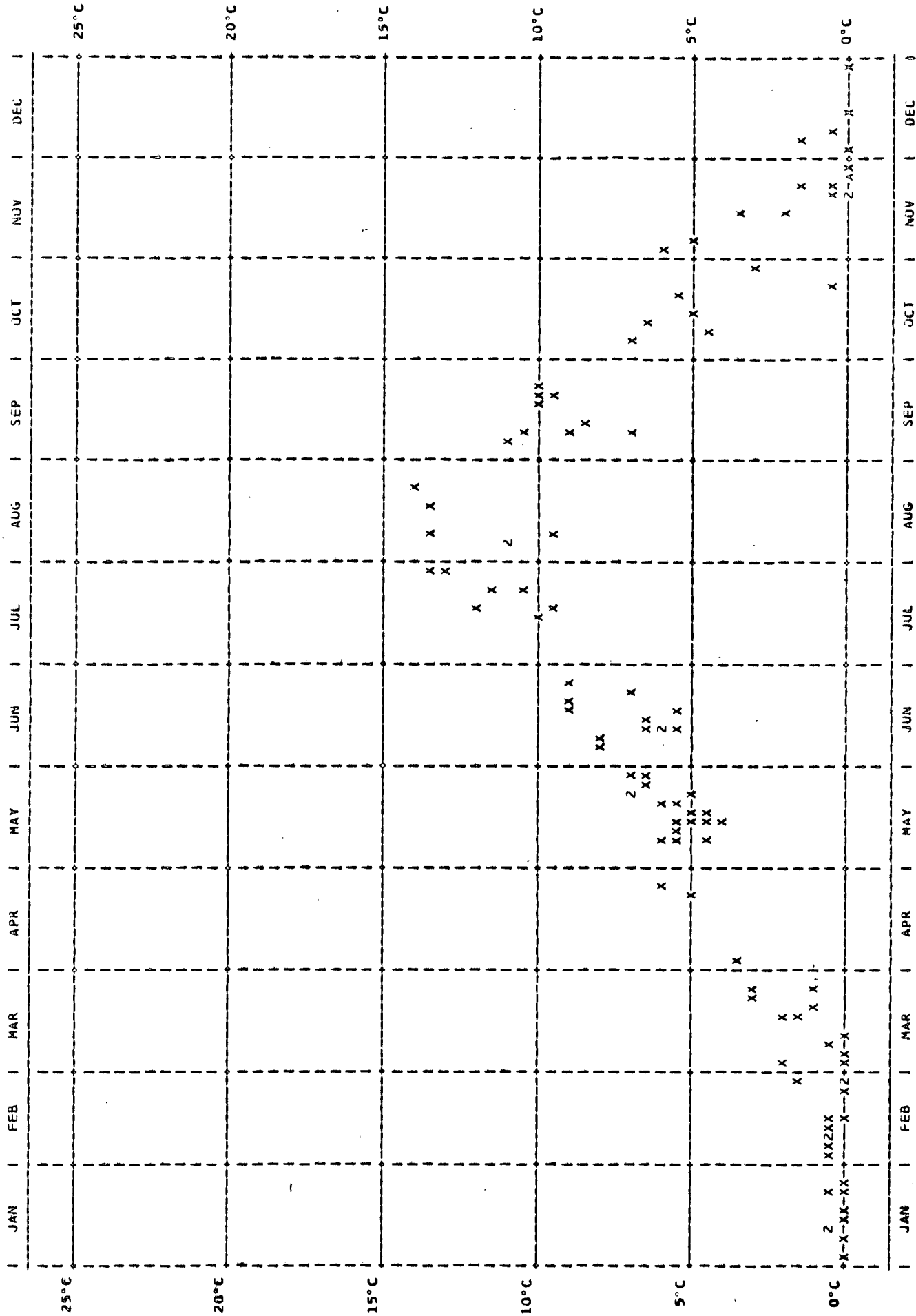
27 JAN 1953	0		11 MAR 1954	1		6 MAY 1952	6.5		24 JUL 1952	9.5		10 SEP 1950	5.5		12 NOV 1949	1
						31 MAY 1954	6.5		7 JUL 1955	6.5		16 SEP 1954	8		7 NOV 1950	0
						10 MAY 1955	8		23 JUL 1956	12		27 SEP 1956	5		6 NOV 1956	3
															22 NOV 1956	0
13 FEB 1950	0		29 APR 1949	8.5		6 JUN 1950	4.5		12 AUG 1949	10		22 OCT 1952	7		17 DEC 1954	0
19 FEB 1951	0		20 APR 1950	3.5		19 JUN 1950	8.5		10 AUG 1953	10.5		31 OCT 1953	5			
12 FEB 1954	0		28 APR 1952	10		2 JUN 1952	11		15 AUG 1955	10		4 OCT 1955	6.5			
11 FEB 1955	0		27 APR 1954	1.5		8 JUN 1953	5									
1 FEB 1956	0		7 APR 1955	0		24 JUN 1953	9.5									
			27 APR 1956	4.5		7 JUN 1956	7									

BULL CREEK NEAR CRUMP - STATION NO. 08NM133

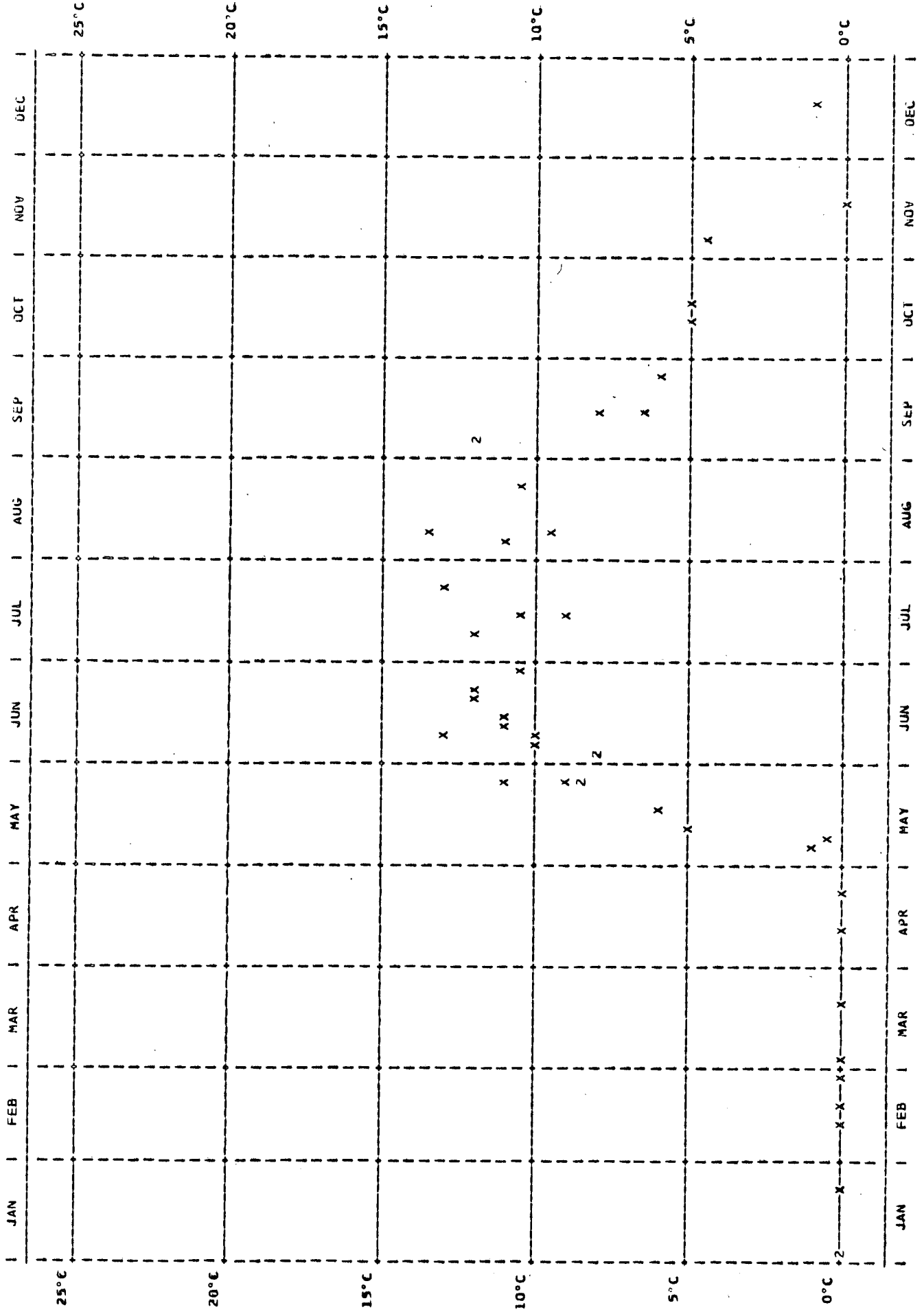
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

15 JAN 1966	0.5							24 SEP 1965	8.5		15 NOV 1965	1.5
23 JAN 1967	1.5					5 JUL 1965	12	8 SEP 1966	11.5		6 NOV 1967	0.5
19 JAN 1971	0					26 JUL 1968	13	15 SEP 1967	10		27 NOV 1974	0.5
9 JAN 1973	0					3 JUL 1969	11	20 SEP 1968	6.5		3 NOV 1975	5.5
24 JAN 1974	0					9 JUL 1970	15	12 SEP 1972	9		23 NOV 1976	0.5
24 JAN 1975	0.5					19 JUL 1974	11.5	17 SEP 1973	9			
28 JAN 1975	0					3 JUL 1975	10.5	10 SEP 1974	9			
						8 JUL 1976	10.5	17 SEP 1975	9			
								10 SEP 1976	6.5			
14 FEB 1968	0.5											
28 FEB 1974	0.5					30 AUG 1967	12	26 OCT 1966	6		7 DEC 1966	1
27 FEB 1975	0.5					1 AUG 1973	15.5	7 OCT 1968	6		15 DEC 1967	0.5
26 FEB 1976	0.5					8 AUG 1975	9	30 OCT 1968	3.5		17 DEC 1968	0.5
						11 AUG 1976	11.5	22 OCT 1971	3.5		2 DEC 1969	0.5
								29 OCT 1973	9.5		18 DEC 1973	0.5
								18 OCT 1974	4		11 DEC 1975	0.5
								21 OCT 1976	0.5			

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

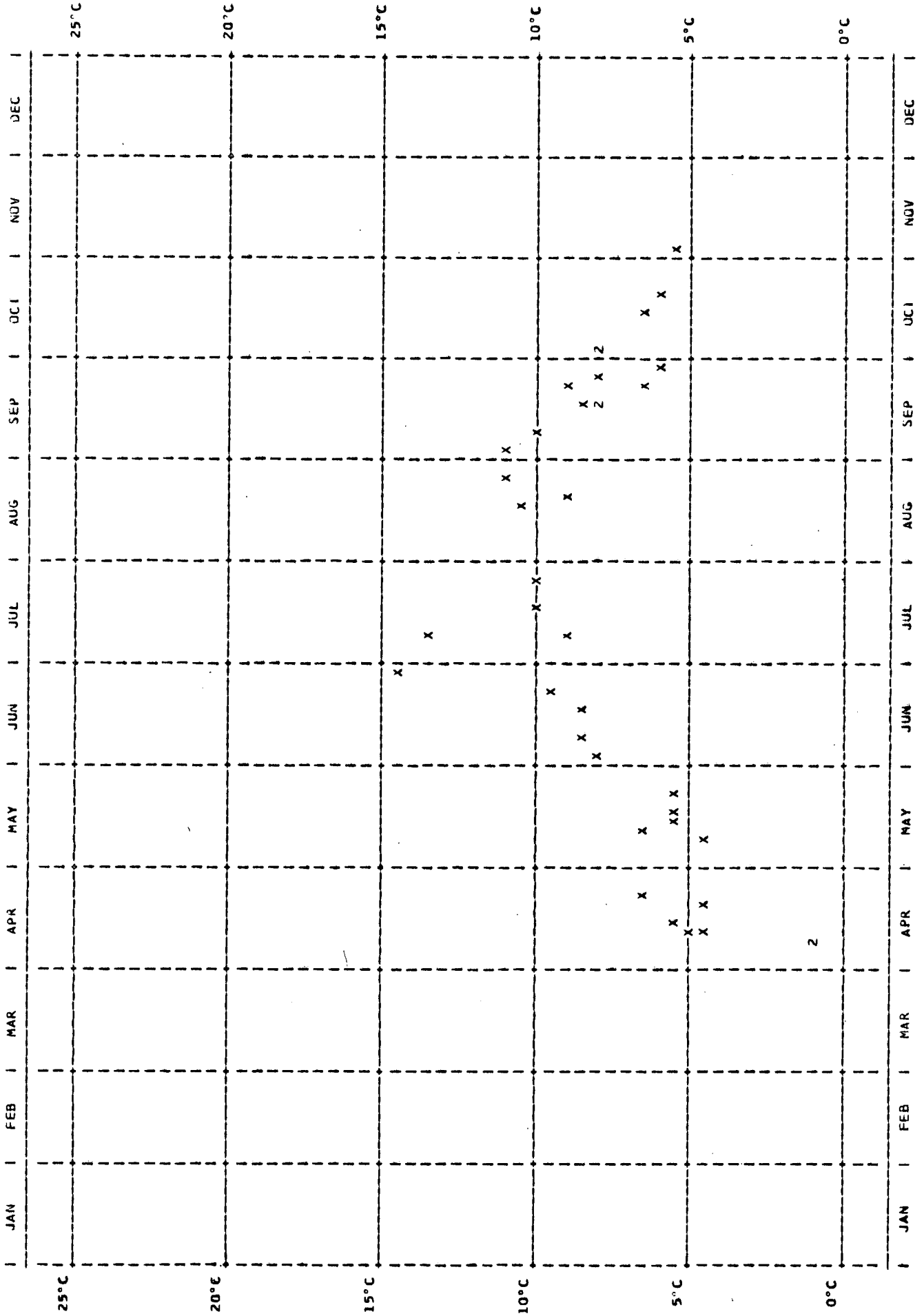


BULMAN CREEK AT THE MOUTH - STATION NO. 08NM145

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

5 JAN 1974	0								14 SEP 1971	6.5			
23 JAN 1975	0	2 MAR 1972	0	26 MAY 1968	8.5	8 JUL 1968	12	6 SEP 1972	12	5 NOV 1975	4.5		
.2 JAN 1976	0	20 MAR 1975	0	27 MAY 1969	11	15 JUL 1969	10.5	5 SEP 1973	12	18 NOV 1976	0		
				4 MAY 1973	1	24 JUL 1973	13	26 SEP 1973	6				
				8 MAY 1975	0.5	15 JUL 1976	9	15 SEP 1976	8				
				27 MAY 1975	8.5								
				11 MAY 1976	5								
				17 MAY 1976	6								
27 FEB 1973	0	11 APR 1974	0	10 JUN 1968	11	7 AUG 1968	13.5	10 UCT 1968	5	16 DEC 1968	1		
12 FEB 1974	0	22 APR 1976	0	9 JUN 1970	10	23 AUG 1974	10.5	18 UCT 1976	5				
18 FEB 1976	0			23 JUN 1971	12	5 AUG 1975	11						
				20 JUN 1972	12	9 AUG 1976	9.5						
				28 JUN 1973	10.5								
				3 JUN 1974	8								
				4 JUN 1975	10								
				13 JUN 1975	11								
				1 JUN 1976	8								
				9 JUN 1976	15								

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



BURDEN CREEK NEAR CRAWFORD BAY - STATION NO. 08NH052

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	15	MAY	1970	5.5		16	JUL	1970	10	22	SEP	1966	9	1	NOV	1973	5.5
	12	MAY	1971	8.5		26	JUL	1973	10	25	SEP	1968	8				
	24	MAY	1973	5.5		9	JUL	1974	9	9	SEP	1969	10				
	17	MAY	1974	5.5		9	JUL	1975	13.5	2	SEP	1970	11				
	8	MAY	1975	4.5						18	SEP	1970	8				
										29	SEP	1971	6				
										22	SEP	1972	6.5				
										17	SEP	1973	8				
										17	SEP	1974	8.5				
10	APR	1968	5		30	JUN	1965	14.5		17	AUG	1955	10.5	19	OCT	1967	6
22	APR	1969	6.5		2	JUN	1969	6		21	AUG	1968	9	14	OCT	1970	6.5
7	APR	1971	1		17	JUN	1970	8.5		25	AUG	1971	11	2	OCT	1974	8
19	APR	1972	4.5		7	JUN	1972	8.5						1	OCT	1975	8
13	APR	1973	5.5		22	JUN	1973	9.5									
10	APR	1974	4.5														
9	APR	1975	1														

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

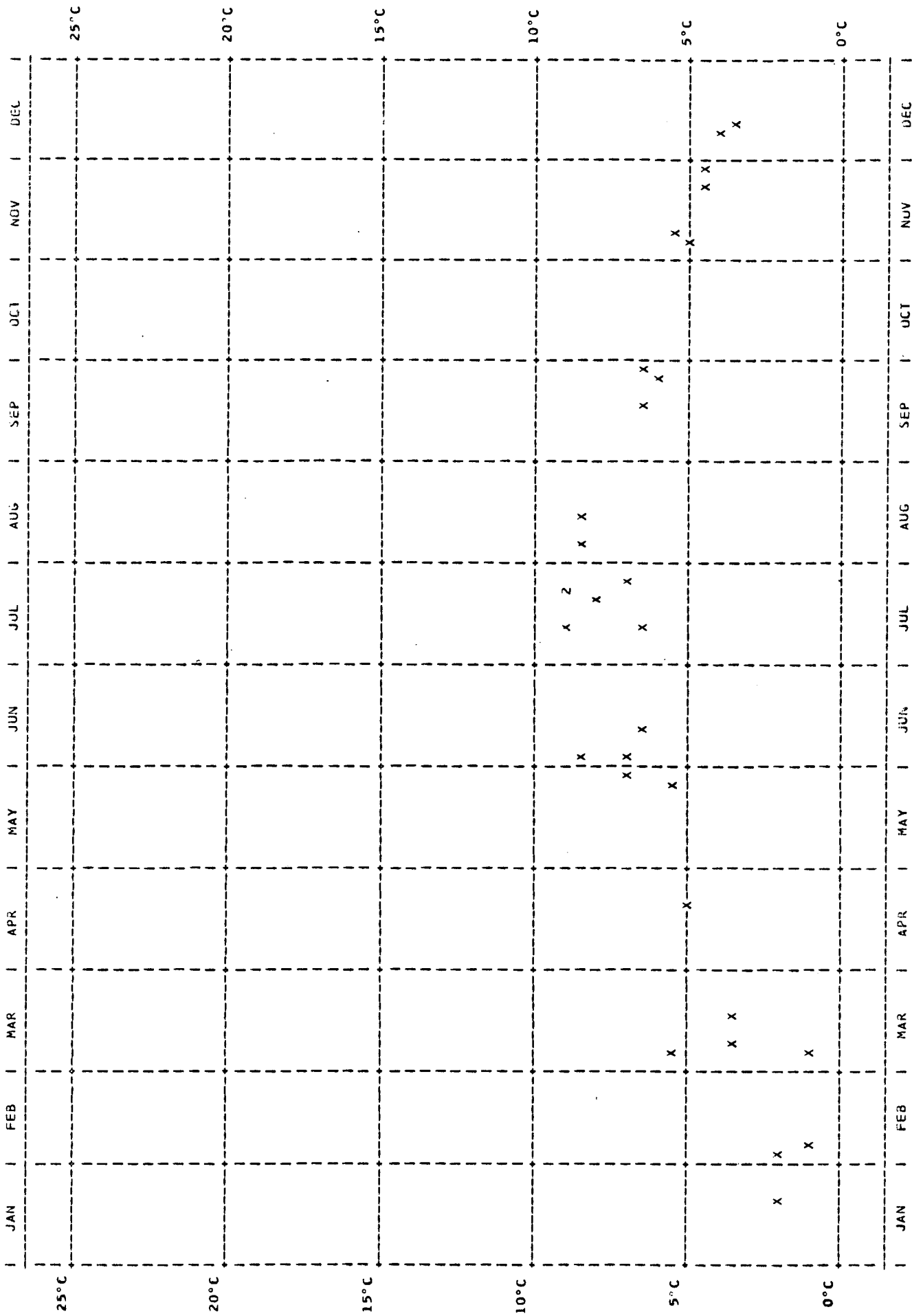
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C								X X				
10°C								X				
5°C									X X	X X		
0°C	X	X	X	X	XX	X	X	X	X	X	X	X

BURRELL CREEK ABOVE GLOUCESTER CREEK - STATION NO. 08NN023

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

30 JAN 1974	0.5		3 MAR 1976	0		17 MAY 1974	4.5		26 SEP 1973	8		7 NOV 1974	1.5
20 JAN 1975	0					29 MAY 1974	4.5		21 SEP 1976	6.5		18 NOV 1976	0.5
9 JAN 1976	0.5					21 MAY 1975	4.5						
27 FEB 1975	0.5		9 APR 1974	5.5		13 JUN 1974	7		9 OCT 1974	8		19 DEC 1973	1
			7 APR 1975	0.5		3 JUN 1975	5.5		8 OCT 1975	6.5		2 DEC 1975	0
			2 APR 1976	1.5		19 JUN 1975	6.5		28 OCT 1975	1.5			
			29 APR 1976	4		9 JUN 1976	6.5		22 OCT 1976	4.5			
						30 JUN 1976	7						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CAMP CREEK AT MOUTH NEAR IMISK - STATION NO. 0000134

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

24 JAN 1967	1.5					5 JUL 1965	13.5	24 SEP 1965	6.5	15 NOV 1965	1.5
17 JAN 1967	0.5					10 JUL 1967	11.5	8 SEP 1965	14.5	20 NOV 1972	1.5
19 JAN 1971	0					23 JUL 1967	16	1 SEP 1970	14.5	2 NOV 1973	0.5
5 JAN 1974	0					24 JUL 1972	13.5	24 SEP 1973	8	28 NOV 1974	0.5
23 JAN 1974	0					10 JUL 1973	11.5	24 SEP 1975	8.5	23 NOV 1976	0.5
23 JAN 1975	0.5					16 JUL 1974	9.5	10 SEP 1976	9.5		
26 JAN 1975	0.5					4 JUL 1975	11.5				
						8 JUL 1976	10.5				
16 FEB 1968	0.5										
27 FEB 1968	0.5					19 AUG 1968	9.5	26 OCT 1968	7	13 DEC 1968	2
17 FEB 1972	0					13 AUG 1970	14	26 OCT 1967	2	14 DEC 1967	0.5
22 FEB 1974	0					24 JUN 1970	13.5	25 OCT 1968	0	18 DEC 1970	0
27 FEB 1974	0.5					25 JUN 1972	11	7 OCT 1967	7	18 DEC 1972	U
21 FEB 1974	0.5					23 APR 1974	12	19 AUG 1974	4.5	17 DEC 1973	0.5
24 FEB 1975	0.5					13 JUN 1973	8	5 AUG 1975	8	12 DEC 1975	0
25 FEB 1975	0					13 JUN 1974	7.5	6 OCT 1972	5		
						23 APR 1976		15 OCT 1974	3		
								29 OCT 1975	3		
								21 OCT 1976	4		

CAMP RUN CREEK NEAR CANYON - STATION NO. 08NH005

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 JAN 1970	3				19 MAY 1965	5	30 JUL 1957	8.5	22 SEP 1959	7	10 NOV 1959	3
12 JAN 1972	1				18 MAY 1967	4	23 JUL 1959	9	26 SEP 1968	7	5 NOV 1970	4.5
17 JAN 1974	3				24 MAY 1967	4.5	11 JUL 1968	8.5	10 SEP 1969	9.5	19 NOV 1971	4
22 JAN 1976	1.5				25 MAY 1969	0.5	14 JUL 1971	7	21 SEP 1972	7	2 NOV 1972	4.5
					21 MAY 1970	5.5	31 JUL 1973	8.5	28 SEP 1973	7	4 NOV 1975	5.5
					22 MAY 1970	4.5	31 JUL 1974	10	19 SEP 1974	8.5	3 NOV 1976	5
					16 MAY 1974	4.5	17 JUL 1975	9	1 SEP 1976	8.5		
					12 MAY 1975	4						
7 FEB 1969	0.5				5 JUN 1965	5	17 AUG 1959	8.5	20 OCT 1961	7	8 DEC 1966	3
14 FEB 1969	1				7 JUN 1965	5.5	13 AUG 1965	8	14 OCT 1971	5	6 DEC 1972	1.5
17 FEB 1971	2				11 JUN 1968	6.5	31 AUG 1970	11			5 DEC 1973	3.5
23 FEB 1972	2				2 JUN 1969	13.5	26 AUG 1971	11			5 DEC 1974	4.5
19 FEB 1975	2				19 JUN 1969	8.5	29 AUG 1975	9				
					28 JUN 1972	7	21 AUG 1975	6				
					1 JUN 1973	5.5						
					29 JUN 1975	7						

CAMPBELL CREEK BELOW SCUITTID CREEK - STATION NO. 08LE058

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	28 MAR 1949	2		22 MAY 1962	13		26 JUL 1965	17		22 SEP 1950	13.5	
				9 MAY 1967	10		18 JUL 1966	17		10 SEP 1962	11	
							18 JUL 1967	14.5		15 SEP 1965	9	
										10 SEP 1966	15.5	
										11 SEP 1967	11	
	30 APR 1949	8		3 JUN 1949	15.5		16 AUG 1950	14.5		11 OCT 1963	11.5	
	10 APR 1962	11		28 JUN 1949	14.5		26 AUG 1963	15		27 OCT 1964	3.5	
	18 APR 1963	7		22 JUN 1962	14		11 AUG 1964	16				
	16 APR 1964	9		11 JUN 1963	14		12 AUG 1965	18.5				
	14 APR 1966	10		9 JUN 1965	15.5		8 AUG 1956	15.5				
	11 APR 1967	7		28 JUN 1966	14.5		10 AUG 1967	18				
				14 JUN 1967	14.5							

CAMPBELL CREEK NEAR BARNHART VALE (UPPER STATION) - STATION NO. 08LE637

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

28 MAR 1949	2	16 MAY 1949	5.2		22 SEP 1950	15.5	
		11 MAY 1950	15.7				
		29 MAY 1950	10				
		5 MAY 1951	10.5				
30 APR 1949	8	3 JUN 1949	16.5		18 AUG 1949	11	
10 APR 1951	8	28 JUN 1949	16.5		16 AUG 1950	14.5	
		16 JUN 1950	20.5		25 AUG 1951	14	
		13 JUN 1951	14				

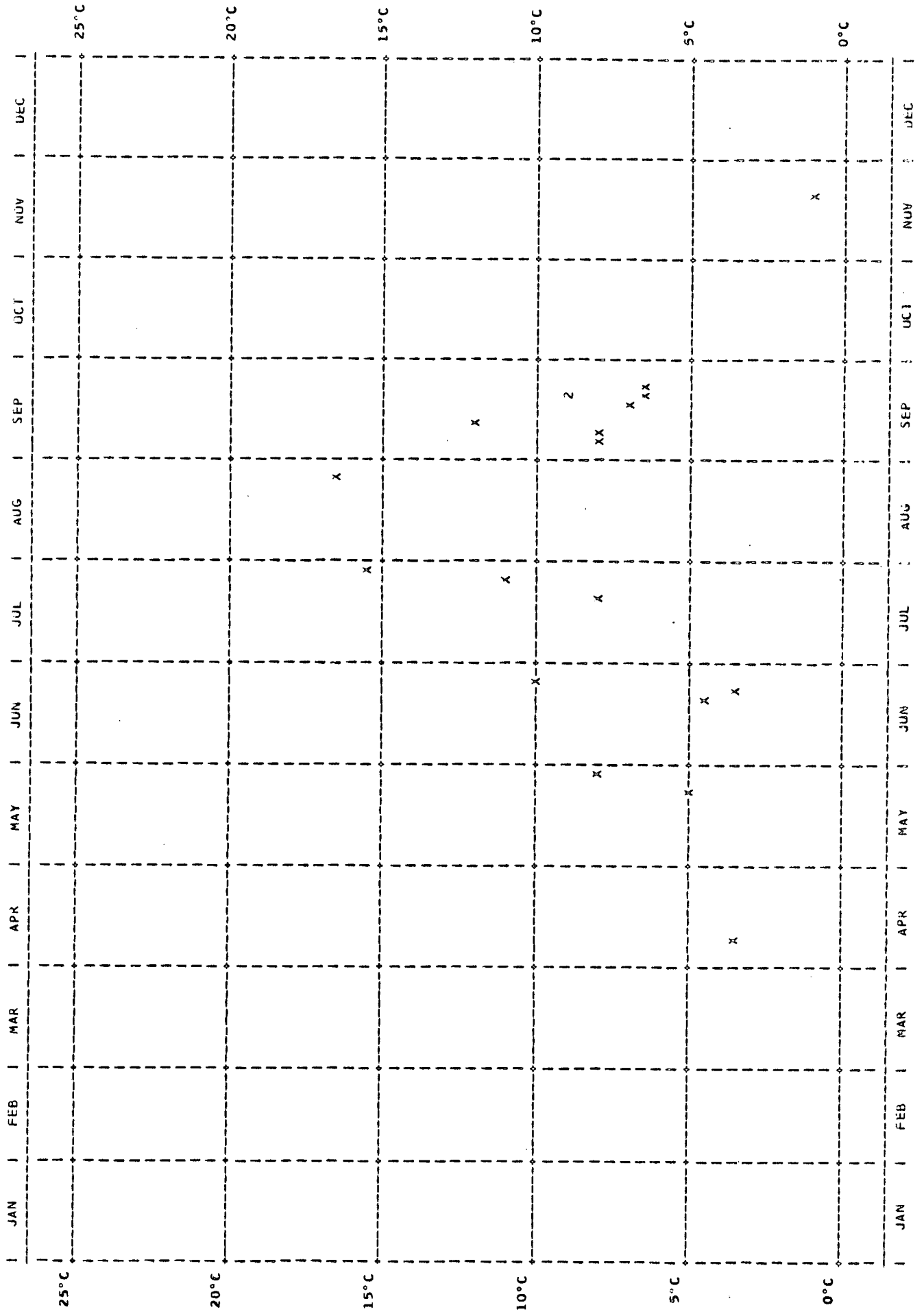
CAMPBELL RIVER NEAR WHITE ROCK - STATION NO. 08MH059

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1963	1										18 SEP 1961	12		24 NOV 1961	2	
30 JAN 1964	3.5										18 SEP 1963	10		8 NOV 1963	6.5	
7 JAN 1966	2										17 SEP 1964	14.5		3 NOV 1965	9.5	
5 FEB 1965	5.5															
10 FEB 1966	3.5									19 JUN 1961	15		24 OCT 1963	8	20 DEC 1962	2
										7 JUN 1963	11					
										7 AUG 1961	23					
										20 AUG 1961	18.5					
										27 AUG 1962	13.5					

CANDLE CREEK NEAR CLEARWATER STATION - STATION NO. 08LA016
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

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CANDLE CREEK NEAR CLEARWATER STATION - STATION NO. 08L4016

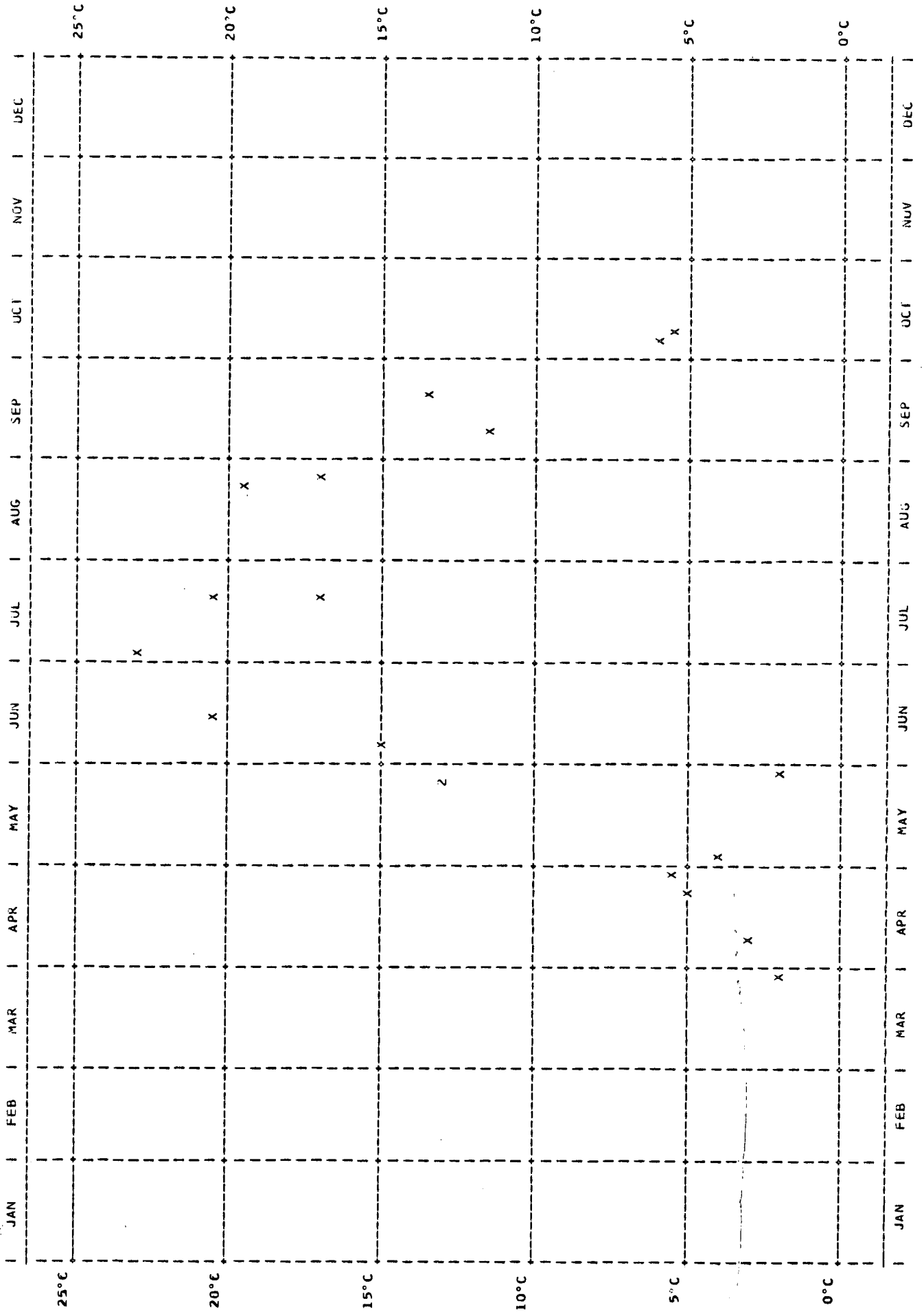
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

		31 MAY 1957	8		26 JUL 1957	11		12 SEP 1957	12		20 NOV 1959	1
		22 MAY 1958	5		31 JUL 1959	15.5		19 SEP 1958	9			
					20 JUL 1962	8		20 SEP 1960	6.5			
								23 SEP 1960	6.5			
								6 SEP 1961	8			
								8 SEP 1961	8			
								17 SEP 1962	7			
								21 SEP 1962	9			

	9 APR 1958	3.5		21 JUN 1960	4.5		25 AUG 1961	16.5			
				23 JUN 1960	5.5						
				27 JUN 1961	10						

CANIM CREEK AT OUTLET OF SPOUT LAKE - STATION NO. 08LAD15

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CANIM CREEK AT OUTLET OF SPUUI LAKE - STATION NU. 08LAD15

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

28	MAY	1969	2	2	MAY	1965	4	21	JUL	1965	17	21	SEP	1966	13.5
				25	MAY	1967	15	2	JUL	1968	23	9	SEP	1970	11.5
				25	MAY	1968	15	20	JUL	1970	20.5				
				28	MAY	1969	2								
24	APR	1967	5	4	JUN	1966	15	26	AUG	1965	17	4	OCT	1967	6
9	APR	1968	3	13	JUN	1969	20.5	23	AUG	1967	19.5	7	OCT	1968	5.5
29	APR	1968	5.5												

CANIM LAKE NEAR CANIM LAKE - STATION NO. 08LA011

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

20 JAN 1959	1																							
10 JAN 1972	0																							
16 JAN 1976	2																							
			3 MAR 1971	0		11 MAY 1963	0		3 JUL 1975	20		10 SEP 1964	14											
						24 MAY 1967	7					25 SEP 1971	11											
						24 MAY 1968	6.2																	
						10 MAY 1972	6																	
						15 MAY 1975	6																	
			25 APR 1961	8.5		22 JUN 1971	14.2		12 AUG 1976	18.5		8 OCT 1968	10		1 DEC 1976	3.5								
			22 APR 1975	0																				

CANIM RIVER AT OUTLET OF CANIM LAKE - STATION NO. 08LA006

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

20 JAN 1960	1	17 MAR 1961	3	14 MAY 1956	0.5	18 JUL 1951	16.5	30 SEP 1952	9	1 NOV 1957	8
26 JAN 1961	1			16 MAY 1957	5	8 JUL 1954	13.5	1 SEP 1954	15	3 NOV 1960	0
				5 MAY 1962	4.5	20 JUL 1955	15.5	14 SEP 1960	14.5	10 NOV 1961	5
				9 MAY 1963	6.5	10 JUL 1957	15.5	13 SEP 1962	13.5	1 NOV 1963	6.5
				7 MAY 1964	6.5	22 JUL 1959	21				
						14 JUL 1960	17				

23 FEB 1959	0.5	20 APR 1959	3.5	7 JUN 1955	9.5	26 AUG 1952	16	29 OCT 1950	3.5
9 FEB 1962	1.5	26 APR 1960	4.5	28 JUN 1956	15	16 AUG 1956	20	11 OCT 1951	10
		27 APR 1961	6	10 JUN 1959	9.5	10 AUG 1961	20	17 OCT 1956	9
				21 JUN 1963	17			27 OCT 1959	7

CANDE CREEK ABOVE EAST CANDE CREEK - STATION NO. 08LE074

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

28 MAR 1973	3	10 MAY 1965	13	13 JUL 1962	15.5	14 SEP 1962	10.5
				19 JUL 1966	14.5	24 SEP 1965	9
				10 JUL 1957	14	26 SEP 1968	13.5
				19 JUL 1968	14	16 SEP 1968	11
				30 JUL 1970	13.5	17 SEP 1971	8
				13 JUL 1971	12	11 SEP 1973	20
				28 JUL 1971	16	5 SEP 1974	11
				4 JUL 1972	16.5		
				12 JUL 1973	14		
				16 JUL 1974	11.5		
22 APR 1966	9	29 JUN 1962	13	9 AUG 1965	16.5	13 OCT 1967	8.5
		28 JUN 1965	12	20 AUG 1968	12	6 OCT 1969	10
		16 JUN 1966	13.5	18 AUG 1969	13	7 OCT 1971	9
		25 JUN 1969	13.5	22 AUG 1973	13		
		26 JUN 1970	13.5				

CANDE CREEK NEAR SALMON AKM - STATION NO. 08LE004

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	21 MAY 1957	9.5		9 JUL 1949	11		15 SEP 1959	13	
	5 MAY 1958	9		12 JUL 1957	15.5		29 SEP 1960	8	
	19 MAY 1959	7		22 JUL 1960	16		18 SEP 1961	11.5	
				21 JUL 1961	15.5				
	13 APR 1959	5.5		10 JUN 1949	10.5		20 OCT 1958	6.5	
	29 APR 1960	5.5		11 JUN 1958	14				
				26 JUN 1959	13				
				13 JUN 1960	13.5				
				29 JUN 1961	11.5				
				11 AUG 1949	13.5				
				12 AUG 1957	13.5				
				21 AUG 1957	13				
				27 AUG 1957	11				
				22 AUG 1960	12				

CANOE RIVER BELOW KIMMEL CREEK - STATION NU. 08NCG04

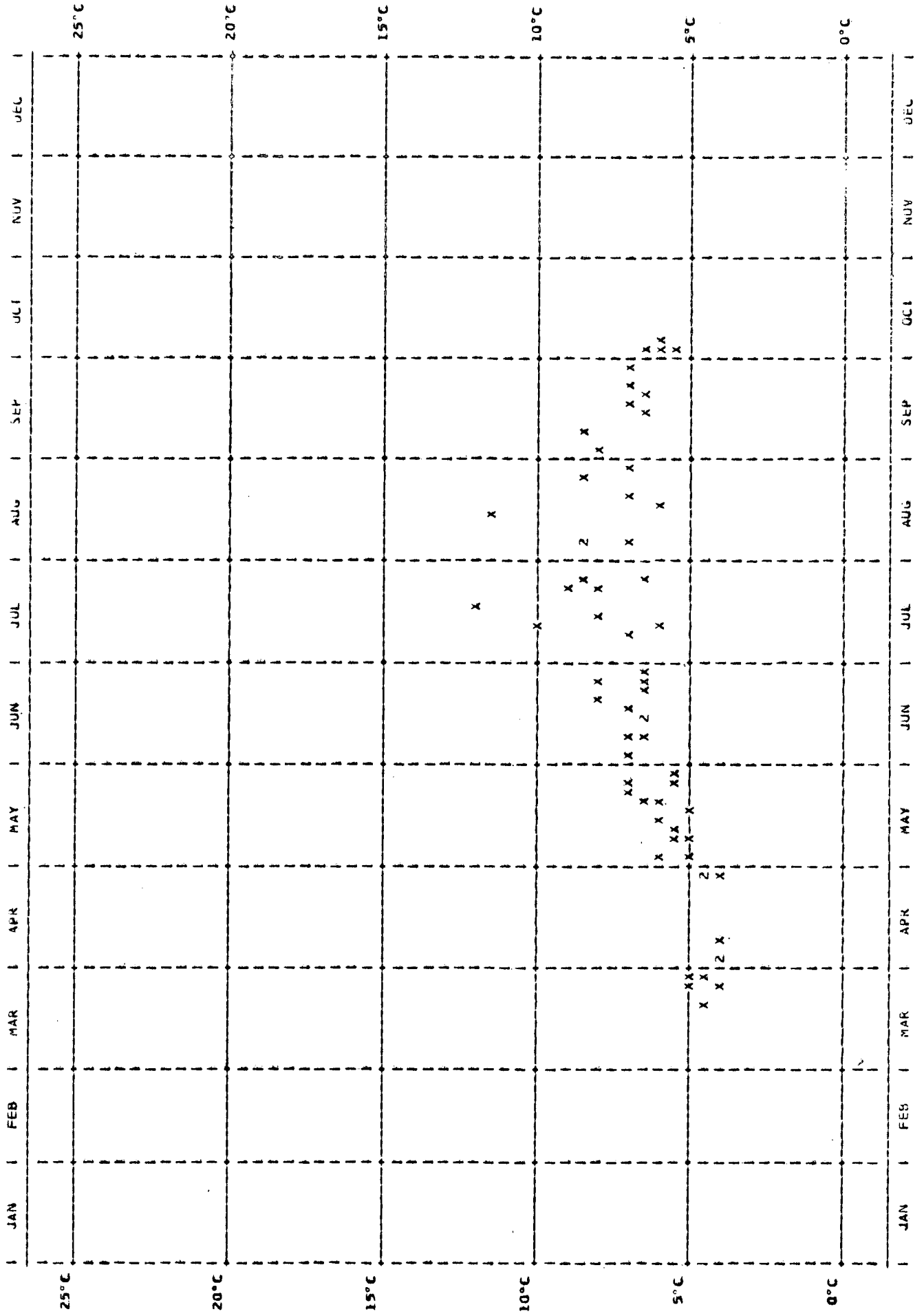
SPT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1975	0.5		20 MAR 1973	0.5		16 MAY 1973	8		20 JUL 1971	5.5		12 SEP, 1973	6		18 NOV 1971	0.5
16 JAN 1975	0.5		5 MAR 1974	0		16 MAY 1974	5		16 JUL 1974	6.5						
			18 MAR 1976	0.5		13 MAY 1975	3.5		28 JUL 1975	5						
20 FEB 1975	0		18 APR 1973	2		12 JUN 1975	7		9 AUG 1973	10		17 OCT 1973	3.5		11 DEC 1973	0
8 FEB 1974	0		11 APR 1975	0.5		18 JUN 1974	5					10 OCT 1974	3.5		5 DEC 1974	0.5
12 FEB 1975	0		29 APR 1976	1		11 JUN 1975	5.5					22 OCT 1975	0.5		18 DEC 1975	0.5
16 FEB 1975	0.5					24 JUN 1976	4					18 ULT 1976	1			

SPJF OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C								X				
15°C								X	X	X		
10°C							X					
5°C											XX	XI
0°C	X	X	X	X	X					X		X

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



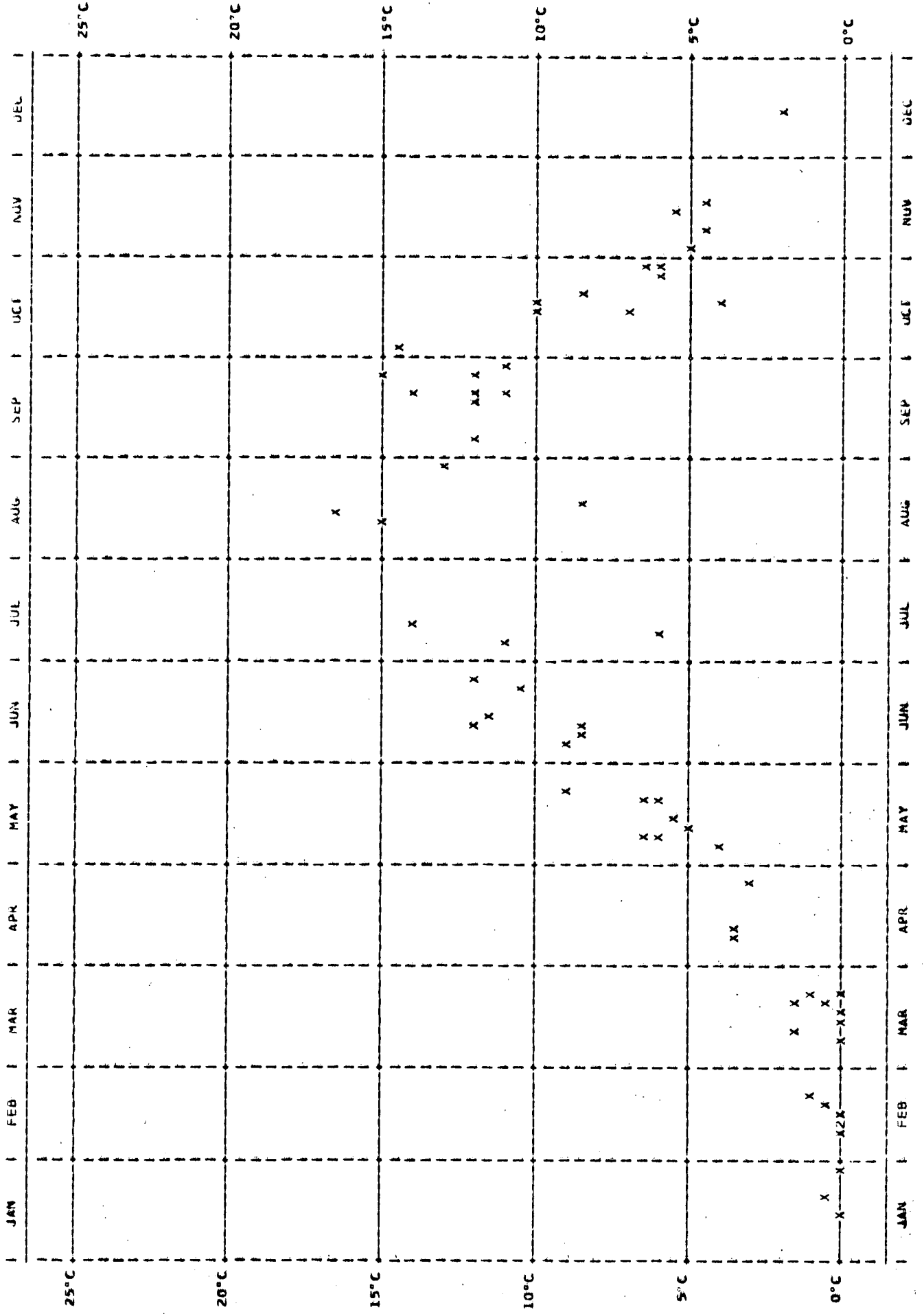
CARBONATE CREEK NEAR MUKKOO - STATION NO. 05WA057

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

20 MAR 1969	5	1 MAY 1969	6	12 JUL 1967	10	8 SEP 1969	6.5
31 MAR 1971	5	2 MAY 1969	7	10 JUL 1968	12	28 SEP 1970	7
30 MAR 1972	4.5	22 MAY 1969	7	22 JUL 1970	9	1 SEP 1972	8
21 MAR 1973	4.5	21 MAY 1970	5.5	26 JUL 1971	8.5	20 SEP 1972	8.5
25 MAR 1975	4	15 MAY 1971	6	14 JUL 1972	8	15 SEP 1973	8.5
		26 MAY 1971	7	12 JUL 1973	8	18 SEP 1973	7
		9 MAY 1972	5.5	21 JUL 1973	6.5	22 SEP 1975	7
		12 MAY 1972	5.5	25 JUL 1974	8		
		19 MAY 1972	5	7 JUL 1975	7		
		9 MAY 1973	5.5				
		17 MAY 1974	5				
		30 MAY 1974	5.5				
30 APR 1969	4.5	26 JUN 1969	5	15 AUG 1968	11.5	1 OCT 1971	6
9 APR 1970	4	17 JUN 1970	7	5 AUG 1969	7	4 OCT 1972	6
23 APR 1972	4	8 JUN 1971	7	28 AUG 1970	7	3 OCT 1973	5.5
1 APR 1974	4	1 JUN 1972	7	25 AUG 1971	8.5	2 OCT 1974	6.5
2 APR 1974	4	15 JUN 1972	8.5	4 AUG 1972	8.5		
28 APR 1975	4.5	21 JUN 1972	8	17 AUG 1973	8		
		15 JUN 1973	8.5	20 AUG 1974	7		
		28 JUN 1973	8.5	3 AUG 1975	8.5		
		22 JUN 1974	6.5				
		9 JUN 1975	6.5				
		25 JUN 1975	6.5				

CARIBOO RIVER HELUM KANGAROO CREEK - STATION NO. 08AHU03
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

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CARIBOO RIVER NEAR KEITHLEY CREEK - STATION NO. 08KH013

SPUD OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

10 JAN 1967	3.5		9 MAR 1971	0		6 MAY 1962	5		24 SEP 1964	10		15 NOV 1963	5
23 JAN 1968	0.5		16 MAR 1972	0.5		7 MAY 1963	5		27 SEP 1966	15.5			
8 JAN 1971	0.5		21 MAR 1974	1.5					27 SEP 1972	11			
7 JAN 1972	0												
30 JAN 1974	0												
8 FEB 1971	0		11 APR 1975	4		10 JUN 1964	8.5		10 OCT 1974	10		18 DEC 1973	0
17 FEB 1972	0.5		25 APR 1974	5.5		11 JUN 1968	9						
20 FEB 1973	1					19 JUN 1973	11.5						
						21 JUN 1974	11						

CARNATION CREEK AT THE MOUTH - STATION NO. 03H8040

SPOI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

1	JAN 1974	3	1	MAY 1974	6.5	1	JUL 1974	10	1	SEP 1974	11.5	1	NOV 1973	6.5
2	JAN 1974	2.5	2	MAY 1974	6.5	2	JUL 1974	10	2	SEP 1974	11.5	2	NOV 1973	6.5
3	JAN 1974	2.5	3	MAY 1974	6.5	3	JUL 1974	10	3	SEP 1974	11.5	3	NOV 1973	6
4	JAN 1974	2.5	4	MAY 1974	6.5	4	JUL 1974	10	4	SEP 1974	11.5	4	NOV 1973	5.5
5	JAN 1974	2	5	MAY 1974	6.5	5	JUL 1974	10	5	SEP 1974	11.5	5	NOV 1973	5
6	JAN 1974	2	6	MAY 1974	6.5	6	JUL 1974	10	6	SEP 1974	11.5	6	NOV 1973	5
7	JAN 1974	1.5	7	MAY 1974	6.5	7	JUL 1974	10.5	7	SEP 1974	11	7	NOV 1973	4.5
8	JAN 1974	2	8	MAY 1974	6.5	8	JUL 1974	10	8	SEP 1974	11	8	NOV 1973	5
9	JAN 1974	2	9	MAY 1974	6	9	JUL 1974	10	9	SEP 1974	11	9	NOV 1973	5
10	JAN 1974	2	10	MAY 1974	6	10	JUL 1974	10	10	SEP 1974	11	10	NOV 1973	5.5
11	JAN 1974	2.5	11	MAY 1974	6	11	JUL 1974	9.5	11	SEP 1974	10.5	11	NOV 1973	6
12	JAN 1974	2	12	MAY 1974	6.5	12	JUL 1974	9.5	12	SEP 1974	10.5	12	NOV 1973	6
13	JAN 1974	2	13	MAY 1974	6	13	JUL 1974	9.5	13	SEP 1974	10.5	13	NOV 1973	5.5
14	JAN 1974	3.5	14	MAY 1974	6	14	JUL 1974	9.5	14	SEP 1974	10.5	14	NOV 1973	5.5
15	JAN 1974	4.5	15	MAY 1974	5.5	15	JUL 1974	9.5	15	SEP 1974	10.5	15	NOV 1973	5.5
16	JAN 1974	4.5	16	MAY 1974	5.5	16	JUL 1974	9.5	16	SEP 1974	10.5	16	NOV 1973	5.5
17	JAN 1974	4	17	MAY 1974	6.5	17	JUL 1974	9.5	17	SEP 1974	10.5	17	NOV 1973	4.5
18	JAN 1974	4	18	MAY 1974	6.5	18	JUL 1974	9.5	18	SEP 1974	10.5	18	NOV 1973	4
19	JAN 1974	3.5	19	MAY 1974	6.5	19	JUL 1974	9.5	19	SEP 1974	10.5	19	NOV 1973	4
20	JAN 1974	3.5	20	MAY 1974	7	20	JUL 1974	10	20	SEP 1974	11	20	NOV 1973	4.5
21	JAN 1974	3	21	MAY 1974	7	21	JUL 1974	10	21	SEP 1974	11	21	NOV 1973	4.5
22	JAN 1974	3.5	22	MAY 1974	6.5	22	JUL 1974	10	22	SEP 1974	10.5	22	NOV 1973	4
23	JAN 1974	4	23	MAY 1974	6.5	23	JUL 1974	10.5	23	SEP 1974	10.5	23	NOV 1973	4
24	JAN 1974	4.5	24	MAY 1974	6.5	24	JUL 1974	10.5	24	SEP 1974	10.5	24	NOV 1973	4
25	JAN 1974	4	25	MAY 1974	7	25	JUL 1974	10.5	25	SEP 1974	10.5	25	NOV 1973	4
26	JAN 1974	4	26	MAY 1974	7	26	JUL 1974	10.5	26	SEP 1974	10.5	26	NOV 1973	4
27	JAN 1974	4	27	MAY 1974	7	27	JUL 1974	11	27	SEP 1974	9.5	27	NOV 1973	4.5
28	JAN 1974	4	28	MAY 1974	7	28	JUL 1974	11	28	SEP 1974	9.5	28	NOV 1973	5
29	JAN 1974	4	29	MAY 1974	7	29	JUL 1974	11.5	29	SEP 1974	9	29	NOV 1973	5
30	JAN 1974	3.5	30	MAY 1974	7.5	30	JUL 1974	11.5	30	SEP 1974	9	30	NOV 1973	4.5
31	JAN 1974	3.5	31	MAY 1974	8	31	JUL 1974	11.5	1	SEP 1975	10.5	1	NOV 1974	7
1	JAN 1976	3.5	1	MAY 1975	6.5	1	JUL 1975	9.5	2	SEP 1975	10	2	NOV 1974	6.5
2	JAN 1976	3.5	2	MAY 1975	5.5	2	JUL 1975	10	3	SEP 1975	9.5	3	NOV 1974	6
3	JAN 1976	4	3	MAY 1975	5	3	JUL 1975	10	4	SEP 1975	9.5	4	NOV 1974	6.5
4	JAN 1976	4.5	4	MAY 1975	5	4	JUL 1975	10	5	SEP 1975	10	5	NOV 1974	7.5
5	JAN 1976	4.5	5	MAY 1975	5.5	5	JUL 1975	11	6	SEP 1975	10.5	6	NOV 1974	8
6	JAN 1976	4	6	MAY 1975	5.5	6	JUL 1975	11.5	7	SEP 1975	11	7	NOV 1974	8
7	JAN 1976	4	7	MAY 1975	6	7	JUL 1975	11.5	8	SEP 1975	10.5	8	NOV 1974	7.5
8	JAN 1976	4	8	MAY 1975	6	8	JUL 1975	11	9	SEP 1975	10	9	NOV 1974	7.5
9	JAN 1976	4	9	MAY 1975	6.5	9	JUL 1975	11	10	SEP 1975	10	10	NOV 1974	7.5
10	JAN 1976	4.5	10	MAY 1975	7	10	JUL 1975	11	11	SEP 1975	10.5	11	NOV 1974	7
11	JAN 1976	4	11	MAY 1975	6.5	11	JUL 1975	11	12	SEP 1975	10.5	12	NOV 1974	7.5
12	JAN 1976	3.5	12	MAY 1975	6.5	12	JUL 1975	11	13	SEP 1975	10.5	13	NOV 1974	7.5
13	JAN 1976	3.5	13	MAY 1975	7	13	JUL 1975	11.5	14	SEP 1975	10.5	14	NOV 1974	7
14	JAN 1976	4	14	MAY 1975	7.5	14	JUL 1975	11	15	SEP 1975	10.5	15	NOV 1974	7
15	JAN 1976	4.5	15	MAY 1975	7.5	15	JUL 1975	11	16	SEP 1975	10.5	16	NOV 1974	7
16	JAN 1976	5	16	MAY 1975	7.5	16	JUL 1975	11	17	SEP 1975	10.5	17	NOV 1974	7
17	JAN 1976	5	17	MAY 1975	7.5	17	JUL 1975	11	18	SEP 1975	9.5	18	NOV 1974	7
18	JAN 1976	5	18	MAY 1975	6.5	18	JUL 1975	10.5	19	SEP 1975	9.5	19	NOV 1974	6.5
19	JAN 1976	4	19	MAY 1975	6.5	19	JUL 1975	10.5	20	SEP 1975	9.5	20	NOV 1974	6
20	JAN 1976	4	20	MAY 1975	6.5	20	JUL 1975	10.5	21	SEP 1975	9.5	21	NOV 1974	6
21	JAN 1976	4	21	MAY 1975	7	21	JUL 1975	11	22	SEP 1975	10	22	NOV 1974	5.5
22	JAN 1976	4.5	22	MAY 1975	7	22	JUL 1975	10.5	23	SEP 1975	10	23	NOV 1974	6
23	JAN 1976	4.5	23	MAY 1975	7	23	JUL 1975	11	24	SEP 1975	10.5	24	NOV 1974	7
24	JAN 1976	4	24	MAY 1975	6.5	24	JUL 1975	11.5	25	SEP 1975	10	25	NOV 1974	6.5

CARNATION CREEK AT THE MOUTH - STATION NO. 08H8048

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

1	FEB 1974	4	1	1	JUN 1974	8	1	AUG 1974	12	1	OCT 1973	8.5	1	1	DEC 1973	5
2	FEB 1974	4	2	2	JUN 1974	8	2	AUG 1974	12	2	OCT 1973	8.5	2	2	DEC 1973	5
3	FEB 1974	4.5	3	3	JUN 1974	7.5	3	AUG 1974	11.5	3	OCT 1973	8.5	3	3	DEC 1973	5
4	FEB 1974	4.5	4	4	JUN 1974	7.5	4	AUG 1974	11.5	4	OCT 1973	8.5	4	4	DEC 1973	4.5
5	FEB 1974	3.5	5	5	JUN 1974	7.5	5	AUG 1974	11	5	OCT 1973	8.5	5	5	DEC 1973	5
6	FEB 1974	3.5	6	6	JUN 1974	7.5	6	AUG 1974	11	6	OCT 1973	8	6	6	DEC 1973	5.5
7	FEB 1974	3.5	7	7	JUN 1974	7.5	7	AUG 1974	11	7	OCT 1973	7.5	7	7	DEC 1973	5
8	FEB 1974	4	8	8	JUN 1974	8.5	8	AUG 1974	11.5	8	OCT 1973	7.5	8	8	DEC 1973	5
9	FEB 1974	4	9	9	JUN 1974	8.5	9	AUG 1974	11.5	9	OCT 1973	7.5	9	9	DEC 1973	4.5
10	FEB 1974	3.5	10	10	JUN 1974	8.5	10	AUG 1974	11.5	10	OCT 1973	8	10	10	DEC 1973	5
11	FEB 1974	4	11	11	JUN 1974	9	11	AUG 1974	11	11	OCT 1973	8.5	11	11	DEC 1973	5.5
12	FEB 1974	4	12	12	JUN 1974	9.5	12	AUG 1974	11	12	OCT 1973	8.5	12	12	DEC 1973	5
13	FEB 1974	4	13	13	JUN 1974	10	13	AUG 1974	11	13	OCT 1973	9	13	13	DEC 1973	5
14	FEB 1974	4	14	14	JUN 1974	9.5	14	AUG 1974	10.5	14	OCT 1973	8	14	14	DEC 1973	5
15	FEB 1974	4	15	15	JUN 1974	10	15	AUG 1974	10.5	15	OCT 1973	8	15	15	DEC 1973	5.5
16	FEB 1974	4	16	16	JUN 1974	10	16	AUG 1974	11	16	OCT 1973	8	16	16	DEC 1973	5.5
17	FEB 1974	4	17	17	JUN 1974	10.5	17	AUG 1974	11	17	OCT 1973	8	17	17	DEC 1973	5
18	FEB 1974	4	18	18	JUN 1974	10.5	18	AUG 1974	10.5	18	OCT 1973	8.5	18	18	DEC 1973	4.5
19	FEB 1974	4.5	19	19	JUN 1974	10.5	19	AUG 1974	10.5	19	OCT 1973	9	19	19	DEC 1973	5
20	FEB 1974	4.5	20	20	JUN 1974	10	20	AUG 1974	10.5	20	OCT 1973	9	20	20	DEC 1973	5.5
21	FEB 1974	3.5	21	21	JUN 1974	10	21	AUG 1974	10.5	21	OCT 1973	8.5	21	21	DEC 1973	5.5
22	FEB 1974	3.5	22	22	JUN 1974	10	22	AUG 1974	10.5	22	OCT 1973	8.5	22	22	DEC 1973	5.5
23	FEB 1974	3.5	23	23	JUN 1974	10	23	AUG 1974	10.5	23	OCT 1973	8	23	23	DEC 1973	5.5
24	FEB 1974	3.5	24	24	JUN 1974	10	24	AUG 1974	11	24	OCT 1973	8.5	24	24	DEC 1973	5.5
25	FEB 1974	3.5	25	25	JUN 1974	10	25	AUG 1974	11	25	OCT 1973	8.5	25	25	DEC 1973	5
26	FEB 1974	3.5	26	26	JUN 1974	9.5	26	AUG 1974	11	26	OCT 1973	8	26	26	DEC 1973	4.5
27	FEB 1974	3.5	27	27	JUN 1974	9	27	AUG 1974	11.5	27	OCT 1973	8.5	27	27	DEC 1973	4.5
28	FEB 1974	4	28	28	JUN 1974	9	28	AUG 1974	11.5	28	OCT 1973	9	28	28	DEC 1973	4
1	FEB 1976	4.5	29	29	JUN 1974	10	29	AUG 1974	12	29	OCT 1973	8.5	29	29	DEC 1973	4
2	FEB 1976	5	30	30	JUN 1974	10	30	AUG 1974	11.5	30	OCT 1973	8.5	30	30	DEC 1973	3.5
3	FEB 1976	4	1	1	JUN 1975	9.5	1	AUG 1975	11.5	1	OCT 1974	7.5	1	1	DEC 1974	3.5
4	FEB 1976	4	2	2	JUN 1975	9.5	2	AUG 1975	11.5	2	OCT 1974	10	2	2	DEC 1974	6
5	FEB 1976	3	3	3	JUN 1975	9	3	AUG 1975	11.5	3	OCT 1974	10.5	3	3	DEC 1974	6.5
6	FEB 1976	3	4	4	JUN 1975	8.5	4	AUG 1975	11	4	OCT 1974	10	4	4	DEC 1974	6.5
7	FEB 1976	3	5	5	JUN 1975	8.5	5	AUG 1975	11	5	OCT 1974	9	5	5	DEC 1974	7
8	FEB 1976	4	6	6	JUN 1975	8.5	6	AUG 1975	11	6	OCT 1974	8.5	6	6	DEC 1974	6.5
9	FEB 1976	4	7	7	JUN 1975	8.5	7	AUG 1975	11	7	OCT 1974	8	7	7	DEC 1974	6.5
10	FEB 1976	4	8	8	JUN 1975	8.5	8	AUG 1975	11	8	OCT 1974	8	8	8	DEC 1974	6.5
11	FEB 1976	4	9	9	JUN 1975	8	9	AUG 1975	10.5	9	OCT 1974	8.5	9	9	DEC 1974	6.5
12	FEB 1976	4	10	10	JUN 1975	9.5	10	AUG 1975	10.5	10	OCT 1974	8.5	10	10	DEC 1974	7
13	FEB 1976	4.5	11	11	JUN 1975	9.5	11	AUG 1975	10.5	11	OCT 1974	9.5	11	11	DEC 1974	6.5
14	FEB 1976	4.5	12	12	JUN 1975	10	12	AUG 1975	10.5	12	OCT 1974	10	12	12	DEC 1974	6.5
15	FEB 1976	4	13	13	JUN 1975	10	13	AUG 1975	10.5	13	OCT 1974	9.5	13	13	DEC 1974	6

CARNATION CREEK AT THE MOUTH - STATION NO. 08HB048

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

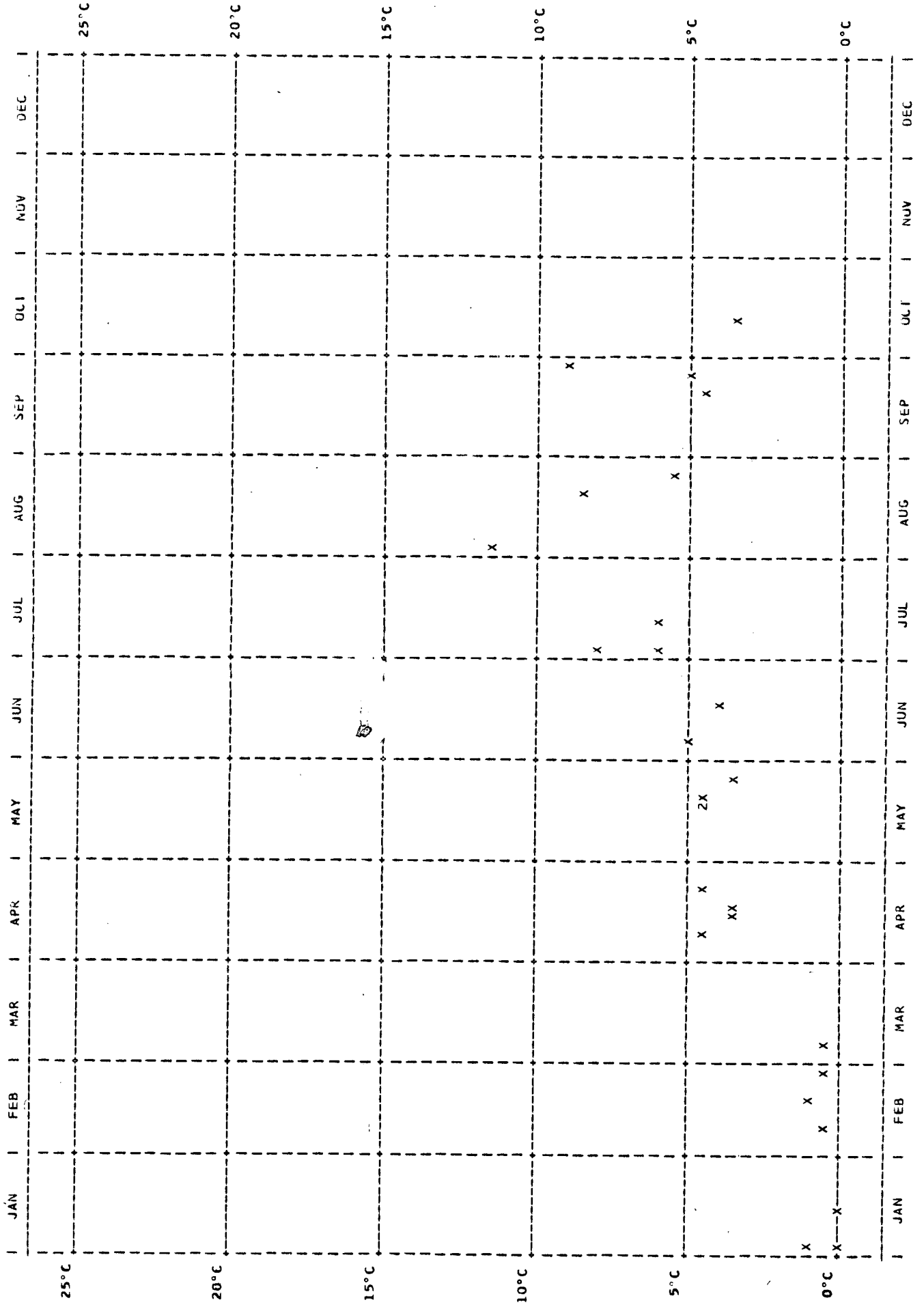
16 FEB 1976	4.5	14 APR 1975	4	13 AUG 1975	11	13 OCT 1974	9	13 DEC 1974	6
17 FEB 1976	4	15 APR 1975	5	14 AUG 1975	11	14 OCT 1974	8.5	14 DEC 1974	6
18 FEB 1976	4	16 APR 1975	5	15 AUG 1975	11	15 OCT 1974	8.5	15 DEC 1974	6
19 FEB 1976	4	17 APR 1975	5	16 AUG 1975	11	16 OCT 1974	8	16 DEC 1974	6.5
20 FEB 1976	4	18 APR 1975	5.5	17 AUG 1975	11	17 OCT 1974	8.5	17 DEC 1974	6.5
21 FEB 1976	4	19 APR 1975	5	18 AUG 1975	11	18 OCT 1974	8.5	18 DEC 1974	6
22 FEB 1976	5	20 APR 1975	5	19 AUG 1975	11	19 OCT 1974	8.5	19 DEC 1974	6
23 FEB 1976	4.5	21 APR 1975	4.5	20 AUG 1975	11	20 OCT 1974	8.5	20 DEC 1974	6.5
24 FEB 1976	4	22 APR 1975	5	21 AUG 1975	11	21 OCT 1974	8	21 DEC 1974	6.5
25 FEB 1976	3.5	23 APR 1975	4.5	22 AUG 1975	10	22 OCT 1974	7.5	22 DEC 1974	5.5
26 FEB 1976	3	24 APR 1975	4.5	23 AUG 1975	10	23 OCT 1974	7.5	23 DEC 1974	4.5
27 FEB 1976	3	25 APR 1975	4.5	24 AUG 1975	10.5	24 OCT 1974	7.5	24 DEC 1974	4.5
28 FEB 1976	3	26 APR 1975	5	25 AUG 1975	10	25 OCT 1974	7.5	25 DEC 1974	5
29 FEB 1976	3	27 APR 1975	4.5	26 AUG 1975	10.5	26 OCT 1974	8	26 DEC 1974	5.5
		28 APR 1975	5	27 AUG 1975	11	27 OCT 1974	8.5	27 DEC 1974	5.5
		29 APR 1975	4.5	28 AUG 1975	10.5	28 OCT 1974	8	28 DEC 1974	4.5
		30 APR 1975	5	29 AUG 1975	10.5	29 OCT 1974	7	29 DEC 1974	4.5
		1 APR 1976	5	30 AUG 1975	10.5	30 OCT 1974	7	30 DEC 1974	5
		2 APR 1976	3	31 AUG 1975	10.5	31 OCT 1974	7.5	31 DEC 1974	4.5
		3 APR 1976	3.5	1 AUG 1976	7	1 UCT 1975	9.5	1 DEC 1975	4
		4 APR 1976	4	2 AUG 1976	11	2 UCT 1975	10	3 DEC 1975	6.5
		5 APR 1976	4	3 AUG 1976	11	3 UCT 1975	10	4 DEC 1975	5.5
		6 APR 1976	4.5	4 AUG 1976	10.5	4 UCT 1975	10	5 DEC 1975	4.5
		7 APR 1976	4	5 AUG 1976	10.5	5 UCT 1975	9.5	6 DEC 1975	4.5
		8 APR 1976	4.5	6 AUG 1976	11	6 UCT 1975	9.5	7 DEC 1975	5
		9 APR 1976	5	7 AUG 1976	11	7 UCT 1975	9.5	8 DEC 1975	5.5
		10 APR 1976	5	8 AUG 1976	11	8 UCT 1975	9.5	9 DEC 1975	5
		11 APR 1976	5	9 AUG 1976	11	9 UCT 1975	9.5	10 DEC 1975	6
		12 APR 1976	4.5	10 AUG 1976	11	10 UCT 1975	9.5	11 DEC 1975	4
		13 APR 1976	4	11 AUG 1976	11	11 UCT 1975	9	12 DEC 1975	3.5
		14 APR 1976	4.5	12 AUG 1976	11	12 UCT 1975	9.5	13 DEC 1975	3
		15 APR 1976	3.5	13 AUG 1976	8	13 UCT 1975	9.5	14 DEC 1975	3.5
		16 APR 1976	4	14 AUG 1976	10.5	14 UCT 1975	9.5	15 DEC 1975	3.5
		17 APR 1976	4	15 AUG 1976	10.5	15 UCT 1975	9	16 DEC 1975	3
		18 APR 1976	4.5	16 AUG 1976	10.5	16 UCT 1975	9	17 DEC 1975	3
		19 APR 1976	4.5	17 AUG 1976	10.5	17 UCT 1975	9.5	18 DEC 1975	3
		20 APR 1976	4.5	18 AUG 1976	10.5	18 OCT 1975	9	19 DEC 1975	3
		21 APR 1976	5	19 AUG 1976	10.5	19 UCT 1975	9	20 DEC 1975	3
		22 APR 1976	4	20 AUG 1976	10.5	20 UCT 1975	9	21 DEC 1975	3
		23 APR 1976	5	21 AUG 1976	10.5	21 UCT 1975	8.5	1 DEC 1976	5
		24 APR 1976	4.5	22 AUG 1976	10.5	22 UCT 1975	7.5	2 DEC 1976	5
		25 APR 1976	4	23 AUG 1976	10	23 OCT 1975	7	3 DEC 1976	5
		26 APR 1976	4.5	24 AUG 1976	10	24 UCT 1975	7	4 DEC 1976	5.5
		27 APR 1976	5	25 AUG 1976	10	25 OCT 1975	8	5 DEC 1976	5.5
		28 APR 1976	5	26 AUG 1976	10	26 UCT 1975	7.5	6 DEC 1976	6
		29 APR 1976	5.5	27 AUG 1976	10	27 UCT 1975	7.5	7 DEC 1976	7.5
		30 APR 1976	6	28 AUG 1976	10.5	28 OCT 1975	7.5	8 DEC 1976	7.5
				29 AUG 1976	10.5	29 UCT 1975	7.5	9 DEC 1976	6.5
				30 AUG 1976	11	30 OCT 1975	7.5	10 DEC 1976	7
				31 AUG 1976	10.5	31 UCT 1975	8	11 DEC 1976	7.5
						1 UCT 1976	10	12 DEC 1976	7.5
						2 UCT 1976	10	13 DEC 1976	7
						3 UCT 1976	10	14 DEC 1976	7.5
						4 UCT 1976	9.5	15 DEC 1976	8
						5 UCT 1976	10	16 DEC 1976	8.5

CARNATION CREEK AT THE MOUTH - STATION NO. 03H0046

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

					6 OCT 1976	10		17 DEC 1976	6.5
					7 OCT 1976	10		18 DEC 1976	7
					8 OCT 1976	10		19 DEC 1976	6.5
					9 OCT 1976	10.5		20 DEC 1976	6.5
					10 OCT 1976	11		21 DEC 1976	7
					11 OCT 1976	11		22 DEC 1976	7
					12 OCT 1976	10		23 DEC 1976	6.5
					13 OCT 1976	9.5		24 DEC 1976	6
					14 OCT 1976	9.5		25 DEC 1976	7
					15 OCT 1976	9		26 DEC 1976	7
					16 OCT 1976	8.5		27 DEC 1976	6.5
					17 OCT 1976	8		28 DEC 1976	6.5
					18 OCT 1976	8		29 DEC 1976	6
					19 OCT 1976	7.5		30 DEC 1976	6
					20 OCT 1976	7.5		31 DEC 1976	4.5
					21 OCT 1976	7.5			
					22 OCT 1976	7.5			
					23 OCT 1976	8			
					24 OCT 1976	8.5			
					25 OCT 1976	9.5			
					26 OCT 1976	9.5			
					27 OCT 1976	9.5			
					28 OCT 1976	10			
					29 OCT 1976	8.5			
					30 OCT 1976	8.5			
					31 OCT 1976	9			

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

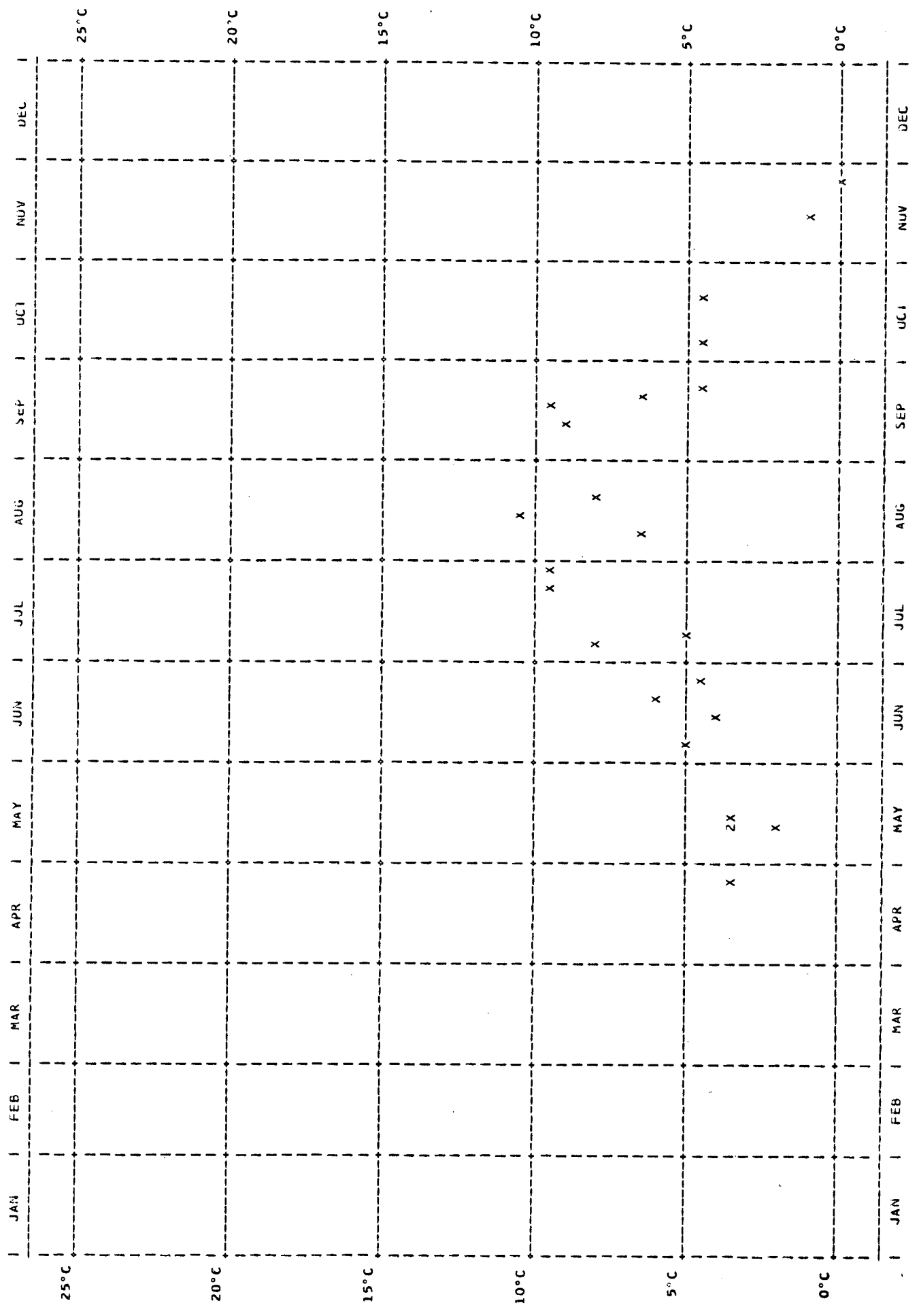


CARNEY CREEK BELOW PAMBRUN CREEK - STATION NO. 08NH131

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

2 JAN 1974	0	5 MAR 1974	0.5	16 MAY 1973	4.5	3 JUL 1973	6	21 SEP 1971	4.5
15 JAN 1975	0			21 MAY 1974	4.5	10 JUL 1974	6	25 SEP 1973	5
2 JAN 1976	1			25 MAY 1975	3.5	3 JUL 1975	8	30 SEP 1976	9
				18 MAY 1976	4.5				
3 FEB 1973	0.5	16 APR 1974	3.5	6 JUN 1973	5	1 AUG 1973	11.5	11 OCT 1974	3.5
26 FEB 1975	0.5	15 APR 1975	3.5	16 JUN 1974	4	27 AUG 1974	5.5		
17 FEB 1976	1	7 APR 1976	4.5			19 AUG 1975	8.5		
		22 APR 1976	4.5						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CARPENIER CREEK NEAR SANDON - STATION NO. 08N0133

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 APR 1956	3.5	15 JUN 1956	4	14 AUG 1956	10.5	19 JUL 1955	4.5	26 NOV 1952	0
		27 JUN 1956	4.5	8 AUG 1957	6.5	4 OCT 1956	4.5	14 NOV 1957	1
		5 JUN 1957	5	21 AUG 1957	8				
		19 JUN 1957	6						
		11 MAY 1953	5.5	30 JUL 1952	9.5	19 SEP 1952	6.5		
		12 MAY 1955	2	7 JUL 1955	5	17 SEP 1953	9.5		
		10 MAY 1956	5.5	23 JUL 1955	9.5	22 SEP 1955	4.5		
		14 MAY 1957	5.5	3 JUL 1957	8	10 SEP 1956	9		

CAVEN CREEK BELOW BLOOM CREEK - STATION NO. 08NG078

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

29 JAN 1975	0																					
30 JAN 1975	0																					
		13 MAR 1974	1		29 MAY 1973	8		20 JUL 1973	14		21 SEP 1971	5		29 NOV 1973	0							
		7 MAR 1975	0		28 MAY 1974	6		25 JUL 1974	16		25 SEP 1976	10										
		19 MAR 1976	0		14 MAY 1975	7		8 JUL 1975	14.5													
					13 MAY 1976	6		21 JUL 1976	14													
1 FEB 1974	0																					
		4 APR 1973	4		13 JUN 1973	8.5		20 AUG 1975	15		20 OCT 1972	4		28 DEC 1972	0.5							
		30 APR 1973	4		4 JUN 1975	8					5 OCT 1973	6.5		11 DEC 1974	1.5							
		24 APR 1974	8.5		2 JUN 1976	8					17 OCT 1974	6.5		19 DEC 1975	0							
		27 APR 1976	5.5								31 OCT 1975	3										

CAYUSE CREEK NEAR DEER PARK - STATION NU. 08NE082

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

30 APR 1956	3.5								
16 APR 1957	4								
		28 MAY 1956	4.5	20 JUL 1956	15	20 SEP 1955	10	13 NOV 1957	3.5
		28 MAY 1957	7	11 JUL 1957	12	17 SEP 1956	11.5		
				11 JUL 1958	13.5				
		25 JUN 1956	5.2	3 AUG 1955	13.5	14 OCT 1955	7		
		17 JUN 1957	9.5	15 AUG 1956	15.5	18 OCT 1956	8		
		24 JUN 1958	14.5	12 AUG 1957	11	30 OCT 1958	4		
				24 AUG 1957	13				
				26 AUG 1957	11				
				4 AUG 1958	14				

CHAPMAN CREEK NEAR WILSON CREEK - STATION NO. J86A046

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

6 JAN 1960	2													30 SEP 1960	11		4 NOV 1960	5
24 JAN 1961	3							7 JUL 1959	14.5					19 SEP 1963	13.5		1 NOV 1961	5.5
16 JAN 1964	4.5						15 JUL 1959	15						27 SEP 1967	13		8 NOV 1963	6
25 JAN 1968	3						10 JUL 1961	17						25 SEP 1968	13.5		26 NOV 1964	3
23 JAN 1973	3.5						6 JUL 1965	18.5						3 SEP 1969	14.5		3 NOV 1965	8
							29 JUL 1966	16						21 SEP 1970	11.5		15 NOV 1965	8
							23 JUL 1969	18						17 SEP 1973	12		21 NOV 1967	5.5
							20 JUL 1972	19									13 NOV 1969	5.5
							25 JUL 1973	12									28 NOV 1972	5.5
																	27 NOV 1973	4
																	28 NOV 1973	4.5
15 FEB 1962	4							16 AUG 1960	15					27 OCT 1959	9.5		21 DEC 1960	4.5
15 FEB 1966	3							23 AUG 1951	16.5					7 OCT 1964	11		11 DEC 1962	3.5
16 FEB 1972	4.5							2 AUG 1962	18					22 OCT 1964	9		19 DEC 1962	4.5
19 FEB 1973	2							6 AUG 1963	18.5					8 OCT 1965	11.5		5 DEC 1968	1.5
								6 AUG 1964	13					16 OCT 1966	8		14 DEC 1970	1
								24 AUG 1966	16.5					28 OCT 1968	8.5		21 DEC 1972	5.5
								27 AUG 1968	12					7 OCT 1969	5.5			
								13 AUG 1969	11					26 OCT 1970	6.5			
								24 AUG 1970	20					23 OCT 1972	6.5			
								23 AUG 1973	11					4 OCT 1973	9.5			

CHASE CREEK NEAR CHASE - STATION NO. 081E005

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

		24	MAY	1963	8.5			4	JUL	1963	15		13	SEP	1963	14.5				
								15	JUL	1964	15.5		28	SEP	1965	6.5				
								7	JUL	1965	21		26	SEP	1966	13.5				
								19	JUL	1966	18		24	SEP	1968	11				
								19	JUL	1967	15.5									
								29	JUL	1968	20.5									
	11	APR	1963	0.5		24	JUN	1966	15.5		14	AUG	1964	14.5		26	OCT	1964	4.5	
	28	APR	1965	7		23	JUN	1968	11		11	AUG	1965	18.5		6	OCT	1967	9.5	
	27	APR	1966	8.5							9	AUG	1966	17						
											21	AUG	1968	13.5						

CHEAKAMUS RIVER AT GARIBALDI - STATION NO. 08GA017

SPOI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

13 JAN 1956	2					20 JUL 1960	10.5		9 SEP 1955	9	5 NOV 1950	4.5	
25 JAN 1963	3.5	15 MAR 1955	3.5		24 MAY 1963	8.5		27 JUL 1960	10.5	19 SEP 1966	10	1 NOV 1955	5.5
3 JAN 1967	4.5	6 MAR 1964	5.5		10 MAY 1966	12.5		21 JUL 1961	11.5			24 NOV 1960	5
					29 MAY 1967	8.5		21 JUL 1962	13			11 NOV 1964	6
						8.5		25 JUL 1963	10.5			10 NOV 1965	7
								5 JUL 1965	13			2 NOV 1966	6
								29 JUL 1969	13.5			1 NOV 1967	7
24 FEB 1955	2				20 JUN 1951	4				26 OCT 1949	10	14 DEC 1949	1.5
15 FEB 1957	0	19 APR 1950	2		18 JUN 1959	9				9 OCT 1962	8	16 DEC 1950	1
10 FEB 1959	3	18 APR 1951	2		14 JUN 1961	4				8 OCT 1963	9	18 DEC 1954	3
2 FEB 1961	5.5	14 APR 1956	3		10 JUN 1964	8.5						9 DEC 1959	4.5
28 FEB 1963	4	17 APR 1960	6.5		8 JUN 1965	10						15 DEC 1961	5
11 FEB 1965	4.5	16 APR 1964	6		17 JUN 1965	9						15 DEC 1965	5.5
20 FEB 1967	4.5	13 APR 1967	4.5		20 JUN 1967	8						8 DEC 1966	4

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

Temp	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C	X	X	X	XX	X	X	X	X	X	X	X	X
0°C	X X 2	X XX X	X X X XX								XX X2	X XX

JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC

CHEMAINUS RIVER NEAR WESTMILME - STATION NO. 08HA001

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

25 JAN 1955	4.5	16 MAR 1956	5.5	17 MAY 1962	10	22 JUL 1959	21.5	29 SEP 1956	13.5	27 NOV 1954	6.5
19 JAN 1961	4.5	27 MAR 1963	4.5	2 MAY 1963	9.5	6 JUL 1960	21.5	22 SEP 1960	14	3 NOV 1961	3.5
17 JAN 1962	3.5	22 MAR 1967	5.5	1 MAY 1967	6	11 JUL 1961	19.5	5 SEP 1963	14	1 NOV 1962	10
14 JAN 1964	3	21 MAR 1968	6	12 MAY 1970	9	24 JUL 1962	20.5	22 SEP 1964	14.5	20 NOV 1964	5.5
22 JAN 1964	3	21 MAR 1969	4	26 MAY 1976	8.5	28 JUL 1967	16.5	16 SEP 1968	13.5	24 NOV 1966	5.5
12 JAN 1965	4	6 MAR 1972	4.5			10 JUL 1969	16.5	11 SEP 1970	15.5	25 NOV 1971	5.5
9 JAN 1967	6.5	7 MAR 1974	3			22 JUL 1970	15	13 SEP 1971	16.5	22 NOV 1976	5.5
22 JAN 1968	5.5	11 MAR 1974	4.5			2 JUL 1971	14.5	15 SEP 1972	16		
28 JAN 1968	5.5					5 JUL 1974	13	28 SEP 1976	11		
30 JAN 1969	0.5					23 JUL 1976	14.5				
20 JAN 1970	4										
21 JAN 1970	4										
22 JAN 1970	4										
11 JAN 1972	1.5										
7 JAN 1974	0.5										
15 JAN 1975	1.5										
22 FEB 1956	0	10 APR 1959	6.5	6 JUN 1955	10	5 AUG 1954	15.5	14 JUL 1954	9	15 DEC 1955	1.5
11 FEB 1959	3	22 APR 1950	7	12 JUN 1967	14.5	15 AUG 1955	20	14 JUL 1959	12	8 DEC 1959	4
18 FEB 1960	4	18 APR 1966	5.5	9 JUN 1972	15.5	22 AUG 1951	19	29 JUL 1964	8.5	18 DEC 1959	5
16 FEB 1962	4.5	13 APR 1971	6	19 JUN 1975	17	7 AUG 1964	20	18 JUL 1965	11	16 DEC 1965	3.5
15 FEB 1966	3.5	26 APR 1972	6.5			22 AUG 1966	13.5	16 JUL 1967	10.5	11 DEC 1967	4.5
23 FEB 1967	5	9 APR 1973	9.5			21 AUG 1967	18	7 JUL 1975	9	4 DEC 1969	6
20 FEB 1969	3	21 APR 1975	4.5			9 AUG 1968	16.5			24 DEC 1975	4
24 FEB 1972	3.5	20 APR 1976	6			9 AUG 1972	21.5				
25 FEB 1975	2					2 AUG 1973	19.5				
16 FEB 1975	4					12 AUG 1975	19.5				
						24 AUG 1976	15.5				

CHILAKU RIVER NEAR PRINCE GEORGE - STATION NO. UBUC005

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

31	JAN	1961	0	U					5	JUL	1962	13.5		9	SEP	1960	9		20	NOV	1969	1
29	JAN	1962	0	0					51	JUL	1972	18		26	SEP	1961	6.5		2	NOV	1973	0
23	JAN	1963	0	0					12	JUL	1974	15		4	SEP	1964	12		22	NOV	1974	0
11	JAN	1964	0	0										20	SEP	1967	8					
21	JAN	1965	0	0										11	SEP	1970	8.5					
10	JAN	1967	0	0										5	SEP	1973	11.5					
8	JAN	1969	0	0										25	SEP	1973	U					
26	JAN	1971	0	0										10	SEP	1974	13					
4	JAN	1972	0	0																		
27	JAN	1972	0	0																		
24	JAN	1973	0	0																		
17	JAN	1974	0	0																		
17	FEB	1964	0	5					3	AUG	1961	19.5		14	ULI	1960	4		19	DEC	1960	0
17	FEB	1965	0	1					27	AUG	1962	14.5		15	ULI	1964	5		30	DEC	1969	0
4	FEB	1966	0.5	5.5					5	AUG	1970	17		19	ULI	1972	3		11	DEC	1970	0
20	FEB	1968	0	6					7	AUG	1973	18							21	DEC	1972	0
20	FEB	1969	0	0					9	AUG	1973	18.5							4	DEC	1973	0
4	FEB	1969	0	0																		
22	FEB	1970	0	0					12	JUN	1974	13.5		25	JUN	1974	16					
28	FEB	1971	0.5	0					14	JUN	1960	12										
28	FEB	1972	0	0					16	JUN	1961	16.5										
17	FEB	1964	0	1					1	JUN	1971	8										
4	FEB	1966	0.5	5.5					4	JUN	1974	10.5										
20	FEB	1968	0	6					5	JUN	1974	11										
20	FEB	1969	0	0					12	JUN	1974	13.5										
4	FEB	1969	0	0					25	JUN	1974	16										
22	FEB	1970	0	0.5																		
28	FEB	1971	0	0																		

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

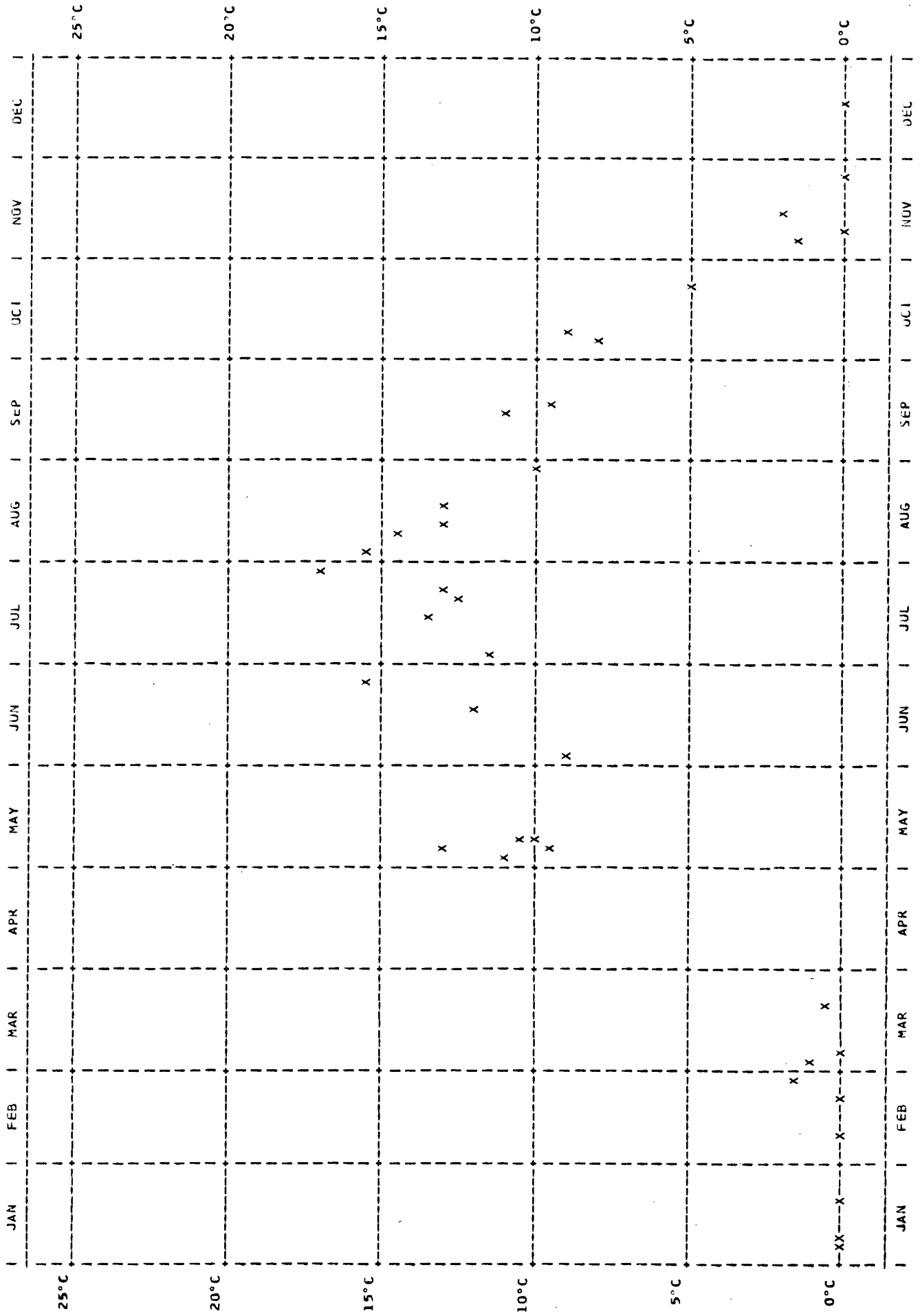
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C				X			X		X			
15°C				X	XX	X	X	X				
10°C					2 X X	X	X	X		X		
5°C										X		
0°C	X X-2	X-XX 2	X-XX 2	X	X X					X	X XX	X X X

CHILANKO RIVER NEAR REUSTONE - STATION NO. 08MB004

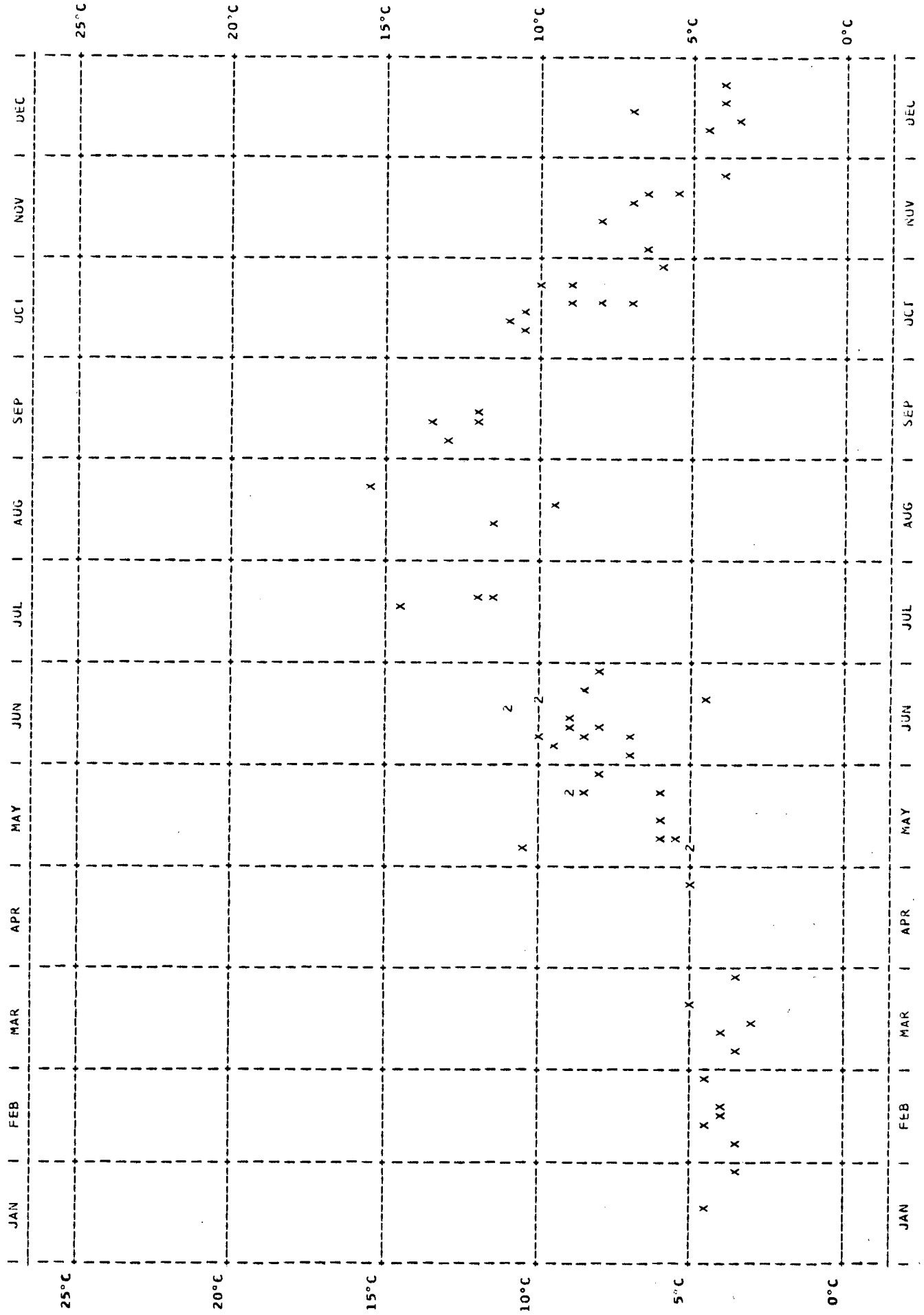
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 JAN 1963	0										10 SEP 1963	20			6 NOV 1963	0.5
22 JAN 1965	0.5										1 SEP 1965	13.5			6 NOV 1965	1
10 JAN 1968	0										26 SEP 1966	11			7 NOV 1966	0.5
20 JAN 1970	0														3 NOV 1967	0
28 JAN 1971	0															
6 JAN 1972	0															
10 JAN 1974	0															
15 FEB 1962	0										21 OCT 1961	0.5			12 DEC 1962	0
9 FEB 1966	0.5										20 OCT 1964	5			13 DEC 1964	0.5
7 FEB 1967	0.5										7 OCT 1970	3.5			5 DEC 1966	0.5
20 FEB 1969	0										6 OCT 1971	8			21 DEC 1970	0
23 FEB 1970	0										17 OCT 1972	1				
16 FEB 1972	0															
5 MAR 1968	0															
13 MAR 1969	0															
11 MAR 1971	0															
14 MAR 1972	0															
25 MAY 1962	15															
13 MAY 1964	7															
29 MAY 1967	14															
29 MAY 1968	14															
20 MAY 1969	18															
25 MAY 1971	15.5															
14 MAY 1974	6.5															
30 APR 1965	8															
27 APR 1967	7															
24 APR 1968	3.5															
20 APR 1971	0															
18 APR 1972	6															
9 AUG 1962	15															

SPJT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CHILLIWACK RIVER ABOVE SLESSE CREEK - STATION NO. 08MH103

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

29 JAN 1964	3.5	11 MAR 1964	4	8 MAY 1964	6	19 JUL 1966	12	15 SEP 1964	12	12 NOV 1965	8
17 JAN 1967	4.5	15 MAR 1967	5	4 MAY 1965	10.5	16 JUL 1970	14.5	11 SEP 1968	15.5	17 NOV 1966	7
		4 MAR 1970	3.5	24 MAY 1965	8.5	19 JUL 1975	11.5	6 SEP 1973	13	27 NOV 1967	4
		28 MAR 1973	3.5	24 MAY 1967	6			10 SEP 1975	12	5 NOV 1971	6.5
		19 MAR 1975	5	6 MAY 1971	5					21 NOV 1972	5.5
				14 MAY 1971	6					19 NOV 1974	6.5
				4 MAY 1972	5						
				23 MAY 1975	9						
				24 MAY 1973	9						
				8 MAY 1974	5.5						
				29 MAY 1975	8						
15 FEB 1968	4	25 APR 1967	5	5 JUN 1964	9.5	18 AUG 1965	9.5	8 OCT 1963	10.5	24 DEC 1963	4
11 FEB 1970	4.5			6 JUN 1965	7	10 AUG 1967	11.5	22 OCT 1963	9	14 DEC 1966	7
4 FEB 1971	3.5			21 JUN 1966	4.5	23 AUG 1972	15.5	13 OCT 1964	10.5	10 DEC 1969	3.5
17 FEB 1972	4			8 JUN 1967	8.5			18 OCT 1966	8	8 DEC 1970	4.5
25 FEB 1974	4.5			21 JUN 1967	10			10 OCT 1967	11	17 DEC 1975	4
				11 JUN 1971	8			16 OCT 1968	7		
				1 JUN 1972	7			30 OCT 1970	6		
				29 JUN 1972	8			16 OCT 1972	9		
				20 JUN 1975	10			22 OCT 1973	10		
				12 JUN 1974	9						
				14 JUN 1974	9						
				17 JUN 1974	11						
				18 JUN 1974	11						
				24 JUN 1974	8.5						
				9 JUN 1975	10						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C						X						
15°C					X		X		X X			
10°C					X	X	X	X 2	X X Z	X		
5°C					X	XX	X	2	X	XX		
0°C					X	XXX				X		

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C						X		X				
5°C						X						
0°C						X						

CHILLIMACK RIVER AT WEDDER CROSSING - STATION NO. 08MH001
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

24 JAN 1952	0.5										27 SEP 1951	10			1 NOV 1960	8	
28 JAN 1953	5										12 SEP 1952	13.5			10 NOV 1960	8	
21 JAN 1959	1.5										22 SEP 1959	10.5			24 NOV 1960	4.5	
14 JAN 1960	0.5										12 SEP 1961	14.5			15 NOV 1965	9	
17 JAN 1961	1.5										17 SEP 1964	14.5			1 NOV 1965	9	
25 JAN 1962	2										15 SEP 1965	12			15 NOV 1965	5.5	
16 JAN 1963	1.5										9 SEP 1966	16			16 NOV 1966	8	
31 JAN 1964	4										14 SEP 1966	12			15 NOV 1966	6.5	
4 JAN 1965	0.5										30 SEP 1966	12			18 NOV 1966	8	
17 JAN 1966	3.5										14 SEP 1967	13			30 NOV 1966	5	
24 JAN 1966	1.5										5 SEP 1968	13			21 NOV 1967	6	
31 JAN 1966	3.5										17 SEP 1968	10.5			28 NOV 1967	5.5	
4 JAN 1967	5.5										4 SEP 1969	11			30 NOV 1967	5	
18 JAN 1967	4.5										16 SEP 1969	11			19 NOV 1968	7	
20 JAN 1967	4										19 SEP 1969	12			5 NOV 1969	4.5	
16 JAN 1968	5										1 SEP 1970	14			14 NOV 1969	8	
17 JAN 1968	4.5										3 SEP 1970	13.5			19 NOV 1969	3.5	
22 JAN 1968	5.5										15 SEP 1970	10			28 NOV 1969	4.5	
27 JAN 1968	2										30 SEP 1970	10.5			16 NOV 1970	7.5	
2 JAN 1969	2										15 SEP 1971	13			22 NOV 1972	5.5	
15 JAN 1969	1.5										6 SEP 1973	13.5			22 NOV 1972	6	
5 JAN 1970	3.5										11 SEP 1975	12			20 NOV 1974	4.5	
21 JAN 1970	4										15 SEP 1976	11.5			4 NOV 1975	9	
4 JAN 1971	2										24 SEP 1976	14			1 NOV 1976	8	
26 JAN 1972	0														17 NOV 1976	7	
16 JAN 1973	2														24 NOV 1976	6.5	
29 JAN 1973	2																
18 JAN 1974	10																
24 JAN 1974	5																
23 JAN 1975	5.5																
13 JAN 1976	3.5																
17 MAY 1951	3.5										13 JUL 1951	15					
31 MAY 1951	4										15 JUL 1954	9.5					
31 MAY 1956	10										2 JUL 1955	13					
21 MAY 1958	4.5										13 JUL 1955	11.5					
5 MAY 1959	11										31 JUL 1955	14.5					
3 MAY 1960	9										15 JUL 1956	14.5					
11 MAY 1961	6.5										11 JUL 1957	13.5					
17 MAY 1962	7										3 JUL 1958	11.5					
16 MAY 1963	9.5										24 JUL 1958	12					
5 MAY 1966	11										29 JUL 1958	14					
20 MAY 1966	7.5										5 JUL 1959	10.5					
31 MAY 1966	11										16 JUL 1959	11					
2 MAY 1967	8										31 JUL 1959	13					
16 MAY 1967	10										16 JUL 1970	13.5					
25 MAY 1967	6										31 JUL 1970	12.5					
2 MAY 1968	7										2 JUL 1971	10					
22 MAY 1968	8.5										13 JUL 1971	10					
30 MAY 1968	11										13 JUL 1971	13.5					
1 MAY 1969	9										21 JUL 1971	13.5					
21 MAY 1970	8.5										30 JUL 1971	13					
15 MAY 1970	8										5 JUL 1972	9.5					
29 MAY 1970	8										11 JUL 1972	10					
31 MAY 1971	9.5										26 JUL 1972	11.5					
1 MAY 1972	7										9 JUL 1973	15					
18 MAY 1972	10										13 JUL 1973	14.5					
26 MAY 1972	10.5										15 JUL 1975	12					
19 MAY 1972	13										8 JUL 1976	9.5					
30 MAY 1972	7										28 JUL 1976	10					
31 MAY 1972	7																
7 MAY 1973	10.5																
18 MAY 1973	10.5																
22 MAY 1973	9																
25 MAY 1973	8.5																
24 MAY 1973	8.5																
28 MAY 1973	7.5																
8 MAY 1974	6.5																
22 MAY 1974	8																
25 MAY 1974	8																
26 MAY 1974	6.5																
10 MAY 1975	8.5																
11 MAY 1975	7.5																
15 MAY 1975	7																
16 MAY 1975	8																
26 MAY 1975	11																
31 MAY 1975	7.5																
10 MAY 1976	7																
11 MAY 1976	8																
14 MAY 1976	7																
20 MAY 1976	6.5																

CHILLIWACK RIVER AT VEDDER CROSSING - STATION NO. 08MH001
 SPOT OBSERVATIONS OF WATER TEMPERATURES. IN DEGREES CELSIUS

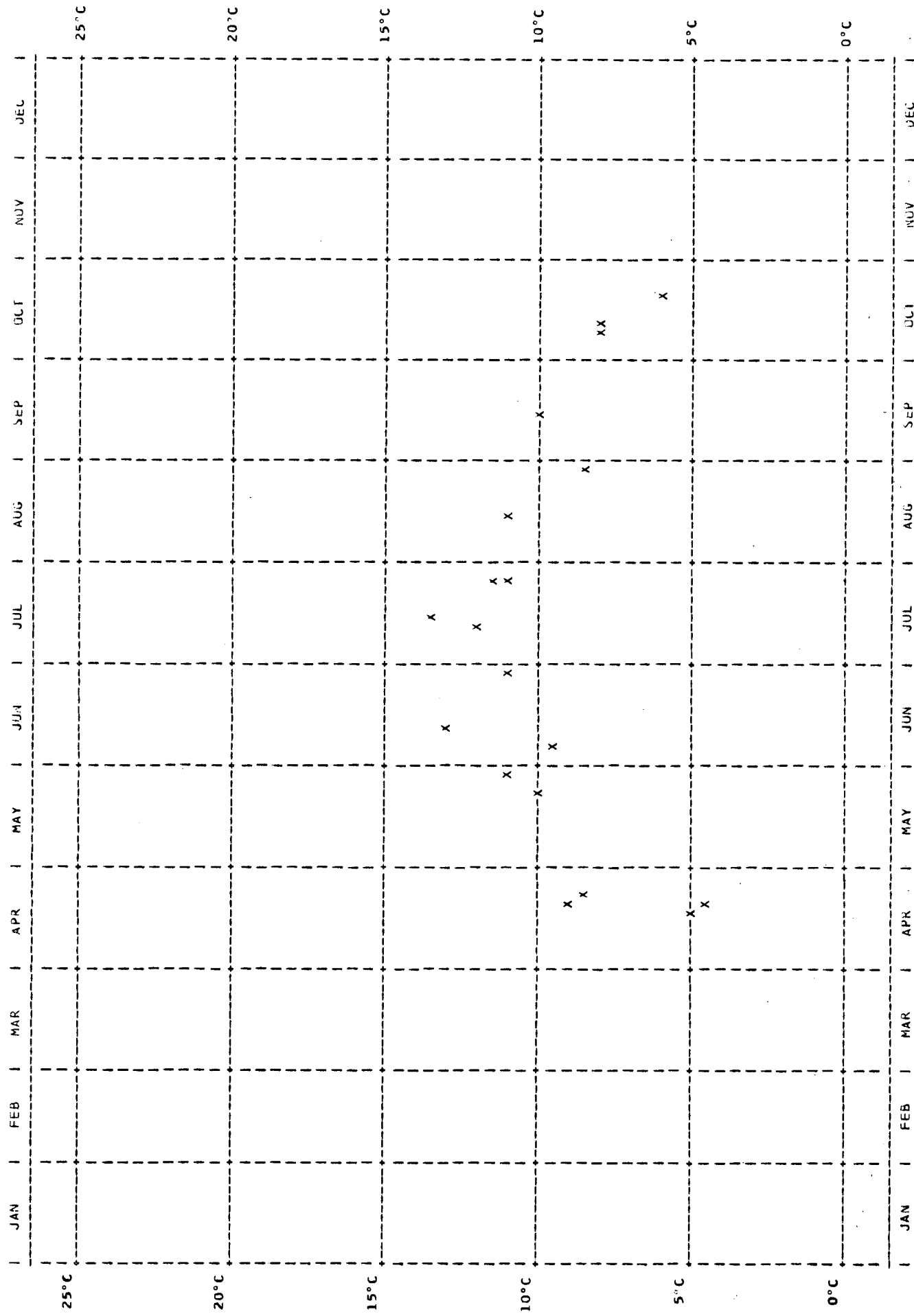
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C								X				
15°C			X				XX	X	X X X	X		
10°C	X			X	X	X	XXXX	XX	X X X	X		
5°C	X	X		X	X	X	X	X	X X X	X	X	X
0°C	X	X		X	X	X	X	X	X X X	X	X	X

CHILLIWACK RIVER AT VEDDER CROSSING - STATION NO. 08MH001

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

	21 JUN 1974	7.5	
	23 JUN 1974	9.5	
	25 JUN 1974	11	
	4 JUN 1975	8.5	
	5 JUN 1975	8	
	9 JUN 1975	9	
	17 JUN 1975	7.5	
	21 JUN 1976	9	

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

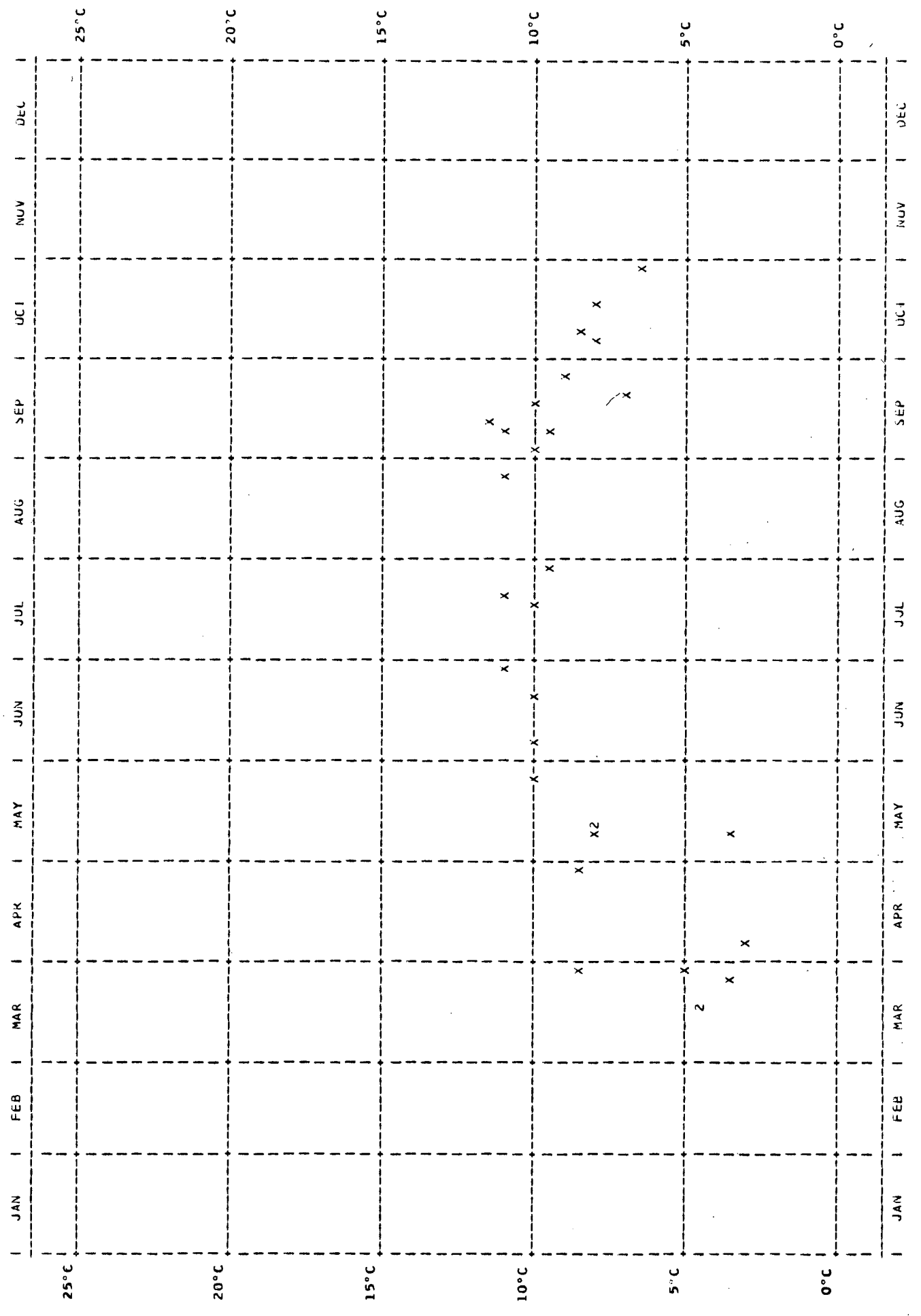


CHRISTIAN CREEK NEAR HEFFLEY CREEK - STATION NO. 08LB065

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

20 APR 1960	9	10 JUN 1960	15	30 AUG 1960	8.5	11 OCT 1960	8
19 APR 1961	4.5	30 JUN 1960	11	13 AUG 1964	11	8 OCT 1963	8
22 APR 1963	8.5	5 JUN 1963	7.5			19 OCT 1964	8
17 APR 1964	5						
		29 MAY 1961	11	26 JUL 1960	11.5	15 SEP 1961	10
		24 MAY 1962	10	14 JUL 1961	13.5		
				10 JUL 1962	12		
				26 JUL 1963	11		

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

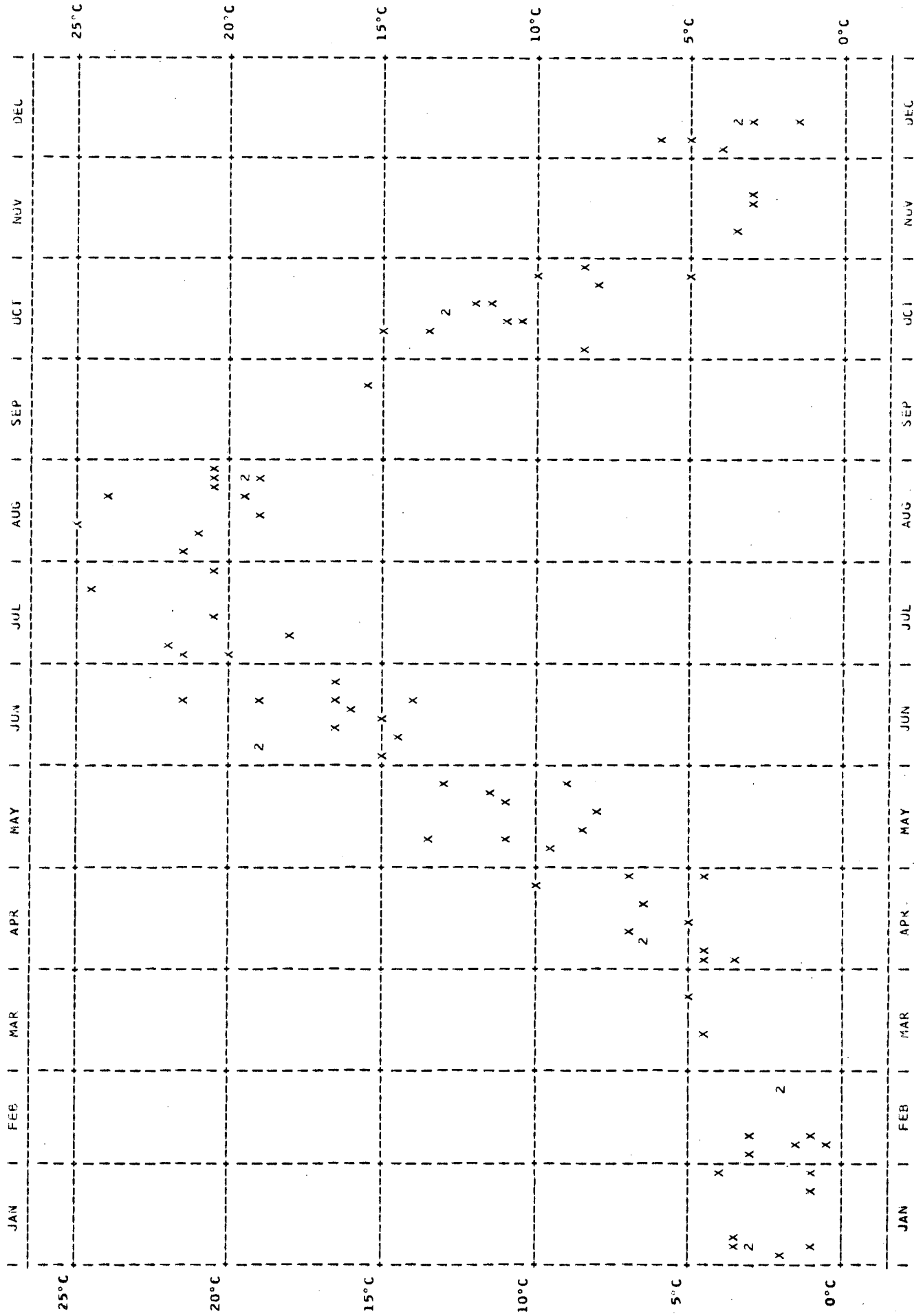


CHRISTIAN CREEK NEAR PERRY SIDING - STATION NO. 08NJ069

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

31 MAR 1969	8.5	10 MAY 1968	8	20 JUL 1967	11	7 SEP 1967	11
16 MAR 1970	4.5	26 MAY 1970	10	30 JUL 1968	9.5	26 SEP 1968	9
17 MAR 1972	4.5	11 MAY 1972	8	18 JUL 1974	10	3 SEP 1971	10
29 MAR 1973	5	7 MAY 1973	8			8 SEP 1972	9.5
27 MAR 1974	3.5	9 MAY 1974	3.5			19 SEP 1972	7
						11 SEP 1973	11.5
						16 SEP 1974	10
4 APR 1965	3	21 JUN 1967	10	27 AUG 1970	11	17 OCT 1967	8
28 APR 1969	8.5	6 JUN 1969	10			29 OCT 1968	5.5
		28 JUN 1973	11			6 OCT 1970	8
						8 OCT 1971	8.5

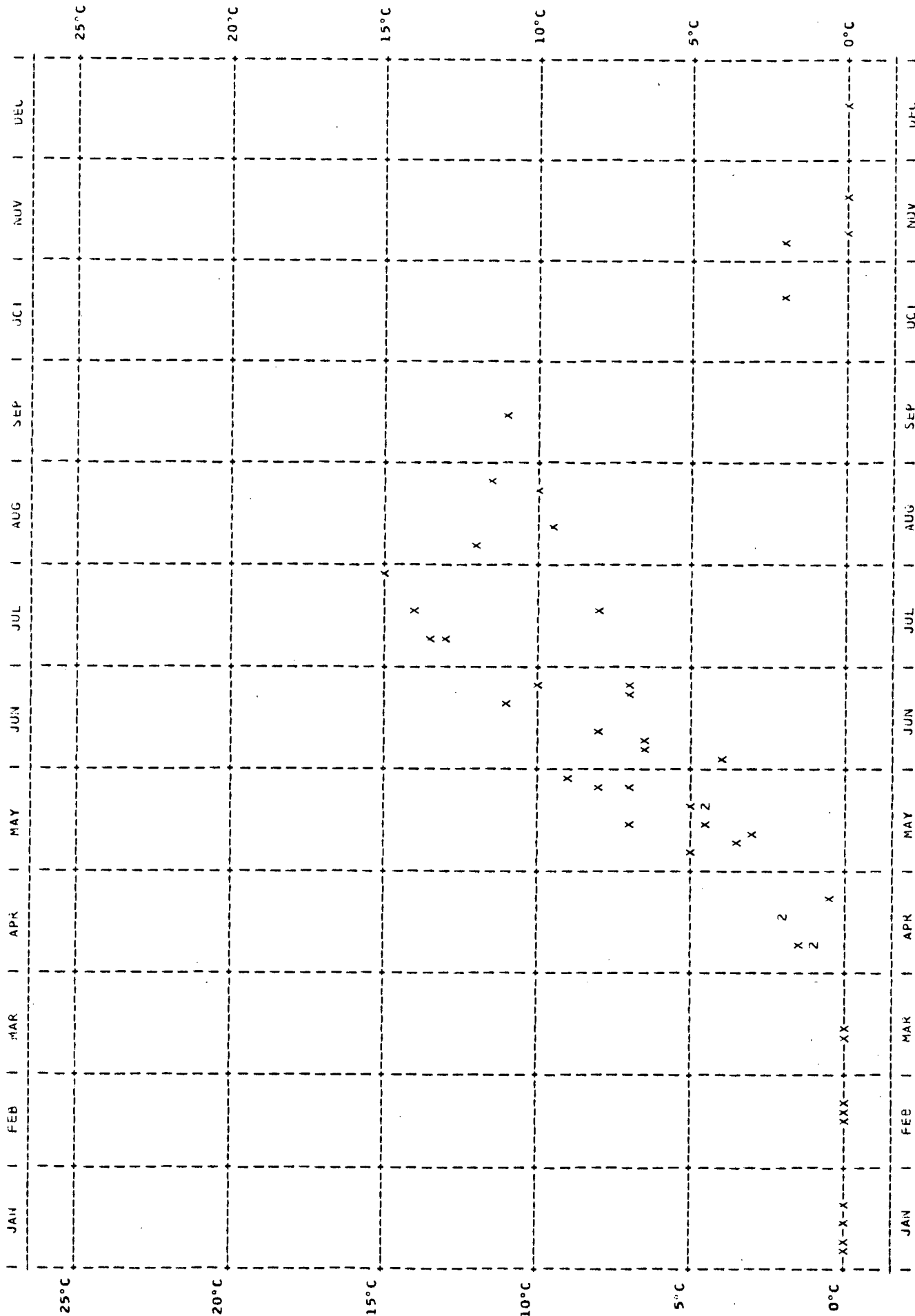
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CHUM CREEK NEAR SQUILAX - STATION NO. 08LE081

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CLARK CREEK NEAR WINFIELD - STATION NO. 081H146

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

5 JAN 1975	0						8 JUL 1968	5.5				8 JUL 1968	13			8 NOV 1975	0
7 JAN 1974	0						29 MAY 1968	9				9 JUL 1969	13.5			6 NOV 1975	2
20 JAN 1975	0						27 MAY 1969	8				30 JUL 1971	15			19 NOV 1976	0
13 JAN 1976	0						26 MAY 1970	7				18 JUL 1973	14				
							19 MAY 1972	4.5				16 JUL 1974	8				
							15 MAY 1973	7									
							14 MAY 1975	4.5									
							21 MAY 1975	4.5									
							6 MAY 1976	5									
							12 MAY 1976	3									
							19 MAY 1976	5									
13 FEB 1969	0																
19 FEB 1973	0						25 JUN 1973	10				6 AUG 1968	12			16 DEC 1975	0
18 FEB 1976	0						20 JUN 1974	11				27 AUG 1969	11.5				
							4 JUN 1975	8.5				22 AUG 1972	10				
							12 JUN 1975	8				10 AUG 1976	9.5				
							17 APR 1974	2									
							3 APR 1976	1									
							25 JUN 1976	4									
							9 JUN 1976	9.5									
							23 JUN 1976	7									
							16 APR 1969	2									
							22 APR 1971	0.5				21 JUL 1976	2				
							7 APR 1972	1									
							9 APR 1973	1.5									
							17 APR 1974	2									
							3 APR 1976	1									

CLAYBURN CREEK AT CLAYBURN ROAD, MATSUJI - STATION NO. 03RH058

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

7 JAN 1960	1.5		17 MAR 1964	4.5		24 MAY 1961	9.5		20 JUL 1970	16.5		21 SEP 1962	12		25 NOV 1960	6
7 JAN 1963	1					14 MAY 1964	8		7 JUL 1971	14.5		17 SEP 1969	12		22 NOV 1962	8.5
21 JAN 1971	3					13 MAY 1971	13.5					19 SEP 1969	11			
						28 MAY 1971	15.5									
2 FEB 1960	5.5		25 APR 1961	9.5					30 AUG 1961	13.5		22 OCT 1963	11.5			
16 FEB 1961	6.5		25 APR 1963	9					21 AUG 1963	14		20 OCT 1970	9.5			
28 FEB 1963	6															
1 FEB 1971	7															

CLAYBURN CREEK NEAR CLAYBURN (UPPER STATION) - STATION NO. 08MH049

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

6 JAN 1960	4		17 MAR 1964	4.5		8 MAY 1962	11		1 SEP 1960	13.5		14 NOV 1961	4.5
17 JAN 1961	6.5					14 MAY 1964	8		21 SEP 1962	13.5			
2 FEB 1960	6		8 APR 1960	9.5					5 JUL 1960	10			
24 FEB 1960	5		25 APR 1961	9.5					31 AUG 1961	15.5			
28 FEB 1963	6.5		25 APR 1963	9					27 AUG 1963	14.5			

CLEARWATER RIVER AT INLET TO CLEARWATER LAKE - STATION NO. 00LA009

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	30 MAY 1956	4.5		27 JUL 1954	6.5		13 SEP 1956	13		20 NOV 1957	4.5
	29 MAY 1957	13.5		6 JUL 1955	6.5		10 SEP 1957	14.5		16 NOV 1966	3.5
	28 MAY 1958	8		5 JUL 1956	10		18 SEP 1958	11			
	14 MAY 1963	6.5		18 JUL 1957	11		21 SEP 1960	7			
	27 MAY 1965	8		29 JUL 1959	14.5		16 SEP 1962	14.5			
	25 MAY 1966	5.5		13 JUL 1962	8						
	13 MAY 1967	6.5		14 JUL 1965	12						
				26 JUL 1967	15.5						
	9 JUN 1959	8.5		23 AUG 1961	14.5		5 OCT 1954	5			
	22 JUN 1960	9		13 AUG 1963	12		25 OCT 1956	5.5			
	22 JUN 1961	11.5		9 AUG 1966	11		29 OCT 1959	6.5			
	13 JUN 1962	8					3 OCT 1961	8			
	23 JUN 1963	11					25 OCT 1962	10			
	21 JUN 1964	7					17 OCT 1963	10.5			
	13 JUN 1967	10					7 OCT 1965	10			
							18 OCT 1967	10			
	25 JUN 1967	9									

CLEARWATER RIVER AT OUTLET OF HUBBARD LAKE - STATION NO. 03LA013

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

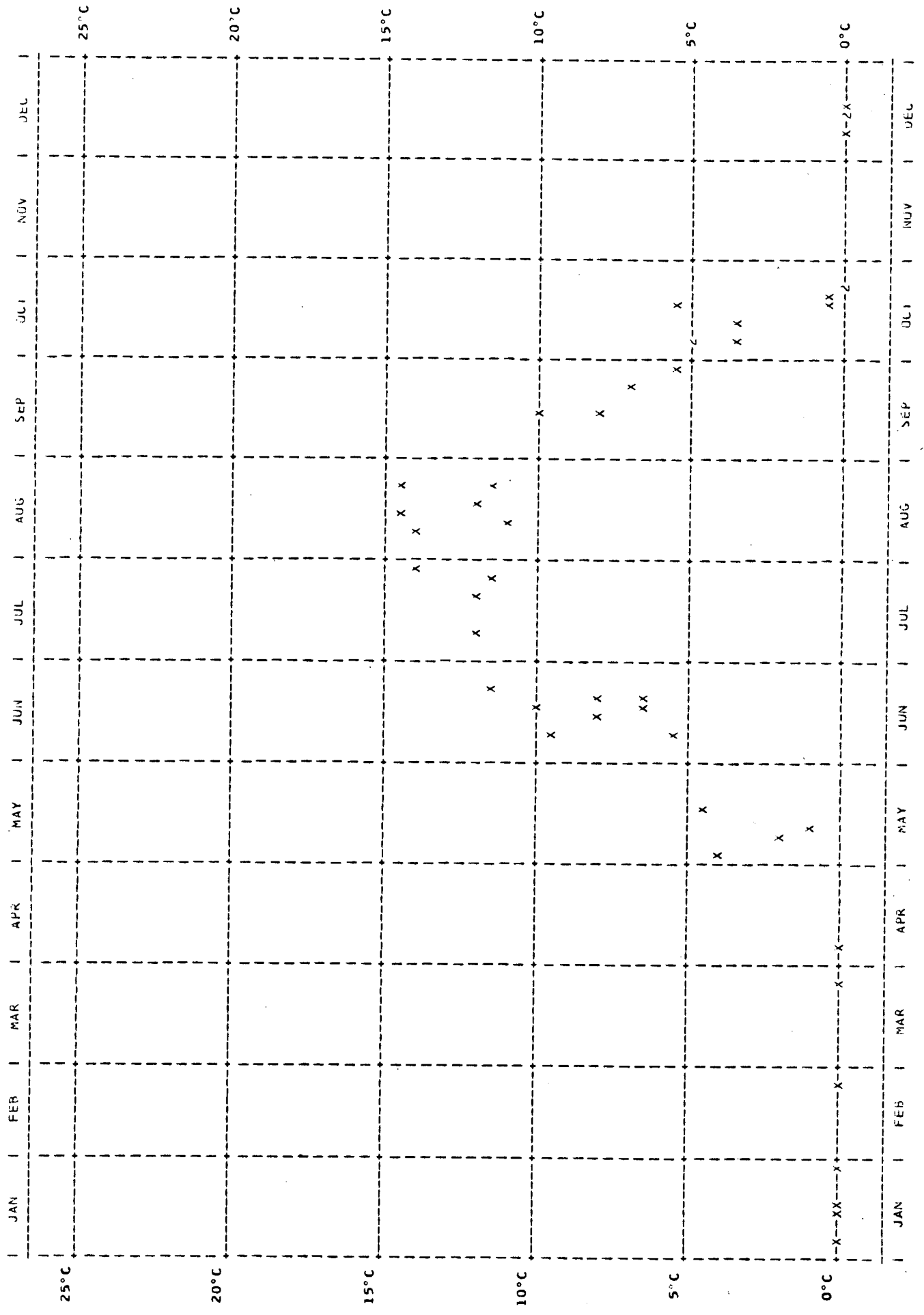
20 JAN 1960	0																						
16 JAN 1962	0	21 MAR 1960	1.5	11 MAY 1960	4	6 JUL 1959	7	7 SEP 1960	7	23 NOV 1962	2												
22 JAN 1963	0	25 MAR 1960	1.5	15 MAY 1960	4.5	12 JUL 1960	14	7 SEP 1961	11.5	15 NOV 1971	5												
26 JAN 1965	0	27 MAR 1961	0	16 MAY 1960	5	16 JUL 1961	13	1 SEP 1964	13.5														
26 JAN 1965	1	1 MAY 1962	1	9 MAY 1961	5	31 JUL 1967	14.5																
26 JAN 1967	1	1 MAY 1972	0	1 MAY 1972	0	2 JUL 1970	12																
3 JAN 1974	0.5	24 MAR 1964	0.5	10 MAY 1973	5	9 JUL 1972	13																
15 JAN 1975	1	23 MAR 1965	1																				
		29 MAR 1966	3.5																				
		30 MAR 1967	1																				
		18 MAR 1968	2																				
		27 MAR 1973	1																				
		12 MAR 1975	0.5																				
		17 MAR 1976	1																				
19 FEB 1959	0	29 APR 1966	5	12 JUN 1962	11	10 AUG 1959	11	5 OCT 1959	10	17 DEC 1969	3.5												
8 FEB 1960	0	22 APR 1969	0	10 JUN 1963	10	5 AUG 1963	16	5 OCT 1961	8	2 DEC 1970	1.5												
14 FEB 1961	1	27 APR 1970	3.5	29 JUN 1964	7	26 AUG 1963	11	3 OCT 1962	9														
20 FEB 1962	0	29 APR 1971	1.5	8 JUN 1965	10	4 AUG 1966	17	22 OCT 1964	5														
26 FEB 1964	0			6 JUN 1966	10	17 AUG 1968	12	17 OCT 1965	5.5														
25 FEB 1965	1			1 JUN 1967	8	25 AUG 1969	14.5	17 OCT 1966	7														
23 FEB 1965	1.5			15 JUN 1968	9.5	29 AUG 1970	15.5	15 OCT 1969	9.5														
23 FEB 1967	1			30 JUN 1969	16	15 AUG 1971	20	6 OCT 1970	8.5														
6 FEB 1968	1			5 JUN 1971	10.5	12 AUG 1972	15	16 OCT 1972	7														
17 FEB 1969	0			18 JUN 1974	13.5	14 AUG 1974	15	2 OCT 1974	8														
17 FEB 1970	0.5			7 JUN 1975	9																		
17 FEB 1971	0																						
3 FEB 1972	0																						
22 FEB 1975	1																						
19 FEB 1974	1.5																						

CLINTON CREEK NEAR THE MOUTH - STATION NO. 00LF064

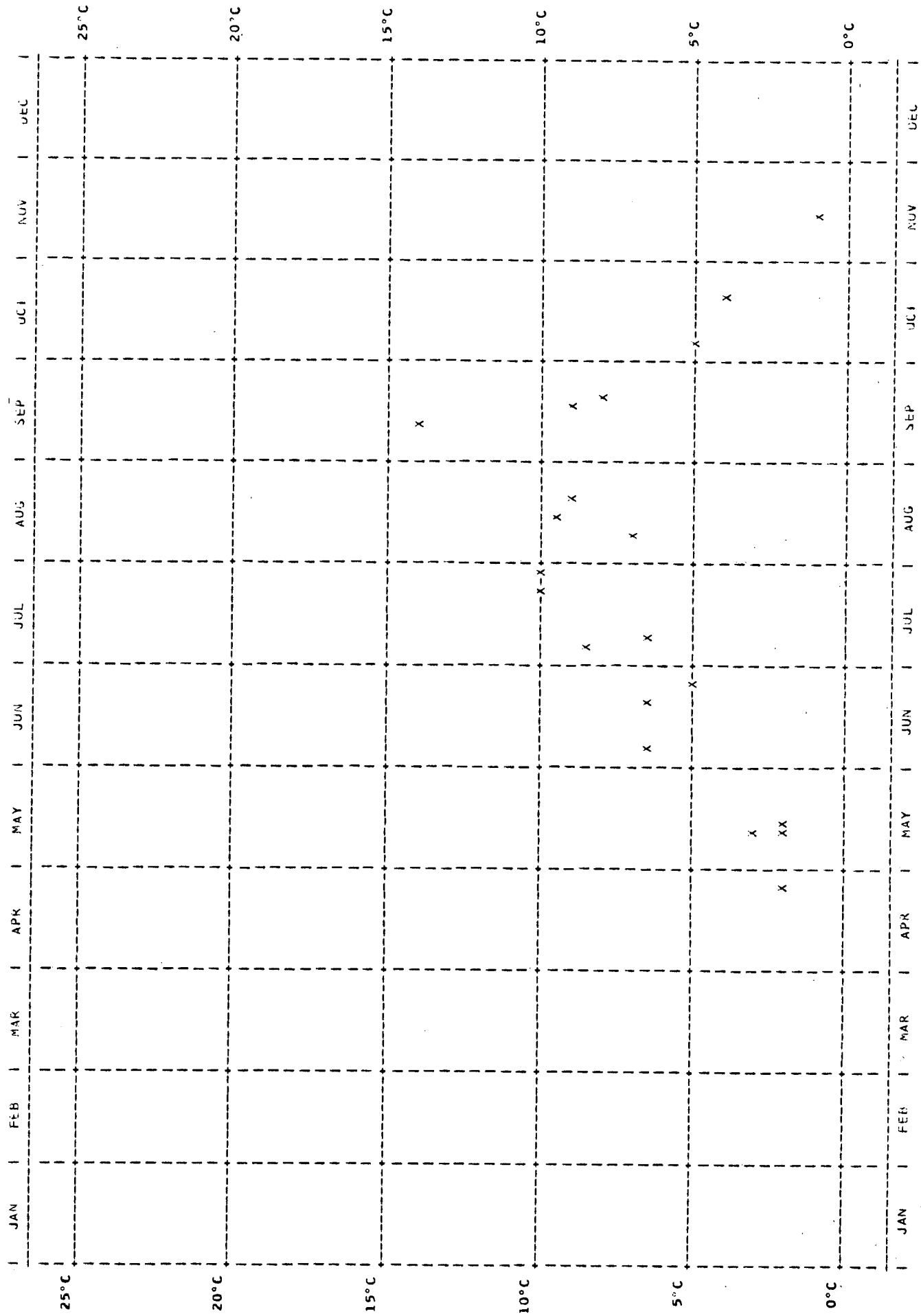
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1970	0																			
6 JAN 1971	0																			
24 JAN 1974	0																			
8 JAN 1975	0																			
13 MAR 1973	2																			
12 MAR 1974	1																			
21 MAR 1974	4.5																			
11 MAY 1968	9																			
2 MAY 1974	5.5																			
29 MAY 1975	12																			
12 JUL 1973	12																			
9 JUL 1974	11																			
7 JUL 1975	14.5																			
24 JUL 1975	13.5																			
6 SEP 1973	12																			
19 SEP 1975	8																			
20 NOV 1968																				
24 NOV 1970																				
4 NOV 1973																				
3 FEB 1967	0																			
9 FEB 1970	1																			
13 FEB 1971	1																			
14 FEB 1973	0																			
27 FEB 1975	0																			
29 JUN 1968	10																			
2 JUN 1970	12																			
14 JUN 1973	9																			
13 JUN 1974	11																			
5 AUG 1968	18.5																			
13 AUG 1969	11.5																			
4 AUG 1970	12																			
17 OCT 1968	5																			
7 OCT 1970	2																			
29 OCT 1974	2																			
31 OCT 1975	3.5																			

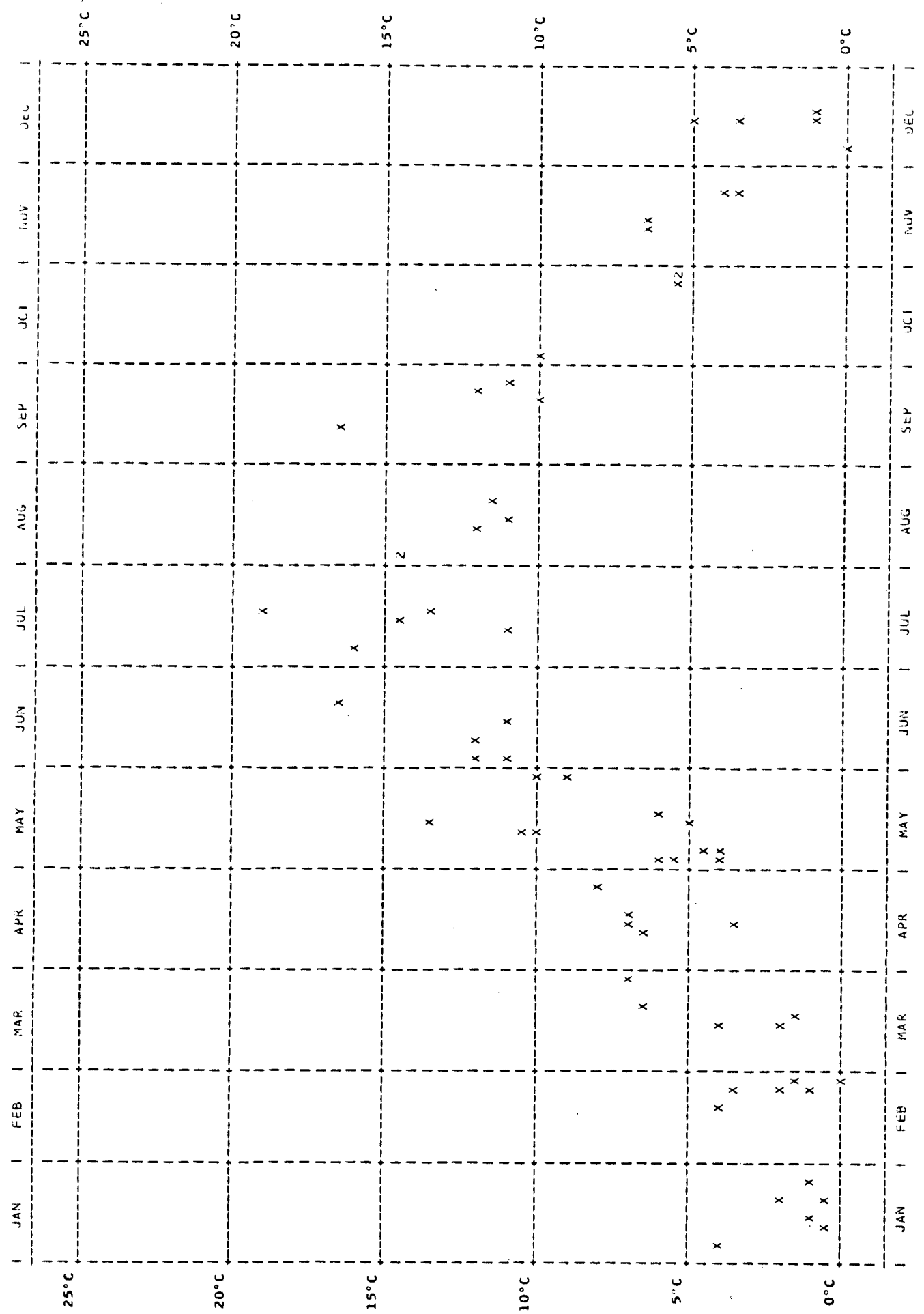
SPOI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



COLDWATER RIVER AT MERRITT - STATION NO. 08LC010

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

16 JAN 1964	0.5								18 SEP 1961	12		27 NOV 1961	0
25 JAN 1966	0		8 MAY 1965	7	19 JUL 1963	18		19 SEP 1962	10		22 NOV 1962	2	
27 JAN 1967	0		21 MAY 1967	5.5	21 JUL 1967	14		25 SEP 1963	13		29 NOV 1963	0.5	
25 JAN 1968	0.5		29 MAY 1967	7	18 JUL 1969	20		2 SEP 1964	12		17 NOV 1965	3.5	
21 JAN 1969	0		13 MAY 1969	6.5	28 JUL 1970	19		3 SEP 1965	16.5		14 NOV 1966	1	
13 JAN 1970	0		20 MAY 1970	8	26 JUL 1974	15		13 SEP 1965	13.5		7 NOV 1968	2	
28 JAN 1971	1		10 MAY 1972	7				9 SEP 1966	13.5		3 NOV 1970	0	
13 JAN 1972	0		26 MAY 1973	6.5				7 SEP 1967	13.5		3 NOV 1971	1	
			5 MAY 1975	5.5				18 SEP 1973	14.5		5 NOV 1973	0	
			16 MAY 1975	4.5				29 SEP 1975	12		5 NOV 1975	4	
			12 MAY 1975	6				2 SEP 1975	14.5		15 NOV 1976	2	
20 FEB 1962	0.5												
20 FEB 1963	1		25 JUN 1962	12	2 AUG 1961	21		18 OCT 1965	6.5		8 DEC 1964	0.5	
6 FEB 1965	0.5		21 JUN 1963	10.5	8 AUG 1962	12		11 OCT 1967	6.5		9 DEC 1971	0	
14 FEB 1967	1		5 JUN 1964	5.5	19 AUG 1968	13.5		10 OCT 1972	5.5		7 DEC 1972	0	
11 FEB 1970	0		29 JUN 1965	11	7 AUG 1968	17		22 OCT 1974	10		15 DEC 1974	0	
3 FEB 1973	0		19 JUN 1968	7	15 AUG 1971	17							
12 FEB 1974	0.5		2 JUN 1970	11	1 AUG 1973	19.5							
13 FEB 1975	0.5		2 JUN 1972	14	14 AUG 1975	14.5							
25 FEB 1976	1		15 JUN 1972	3.5									
			16 JUN 1974	11									
			3 JUN 1975	6.5									
			21 JUN 1976	6.5									

COLDWATER RIVEK NEAR BROOKMEK - STATION NO. 06L0043

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 JAN 1965	0	7 MAR 1967	0.5	26 MAY 1966	7	31 JUL 1967	11	1 SEP 1965	13.5	17 NOV 1965	3
25 JAN 1968	0	6 MAR 1975	0	23 MAY 1967	2.5	17 JUL 1969	13.5	14 SEP 1965	13	15 NOV 1966	0.5
12 JAN 1970	0	23 MAR 1976	1.5	17 MAY 1968	4.5	27 JUL 1970	15.5	22 SEP 1967	14.5	7 NOV 1968	1
3 JAN 1973	0			14 MAY 1969	6	9 JUL 1973	13.5	11 SEP 1973	10	30 NOV 1973	0
29 JAN 1976	0.5			5 MAY 1975	4	31 JUL 1974	11	4 SEP 1974	10	4 NOV 1975	5
				16 MAY 1975	3	25 JUL 1975	12	17 SEP 1975	11	15 NOV 1976	2
				12 MAY 1976	4	28 JUL 1976	8	30 SEP 1976	8.5		
17 FEB 1967	0.5	21 APR 1967	6	19 JUN 1968	9	3 AUG 1966	15.5	18 OCT 1966	4	20 DEC 1966	1
4 FEB 1969	0	11 APR 1968	2	9 JUN 1970	7	23 AUG 1966	14.5	12 OCT 1972	1	12 DEC 1967	0
10 FEB 1970	0	16 APR 1969	4	5 JUN 1974	6.5	29 AUG 1967	18	30 OCT 1974	5	3 DEC 1969	0
1 FEB 1971	0.5	13 APR 1970	5.5	18 JUN 1974	10	7 AUG 1968	11.5			22 DEC 1970	0
21 FEB 1972	0.5	21 APR 1971	4.5	3 JUN 1975	5.5	24 AUG 1971	9.5			30 DEC 1971	0
12 FEB 1974	0.5	4 APR 1973	5.5	21 JUN 1976	5	13 AUG 1974	12			30 DEC 1974	0
19 FEB 1975	0.5	24 APR 1975	4.5			30 AUG 1975	11.5				
		22 APR 1976	6			19 AUG 1976	9				

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C							X	X X	X			
10°C						XX X X		X	X	X		
5°C					X	XX X				X X X X		
0°C	XXX2-X	X	X	X	X					X X	X	X2

COLUMBIA RIVER ABOVE DUNNIE CREEK - STATION NO. 08ND010

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

21 JAN 1958	0	13 MAR 1955	0	26 MAY 1956	7	29 JUL 1956	11.5	2 SEP 1953	10	14 NOV 1963	3
29 JAN 1958	0	14 MAR 1957	0	5 MAY 1957	5.5	2+ JUL 1959	13	2 SEP 1955	12		
15 JAN 1959	0	18 MAR 1958	3.5	22 MAY 1957	5			10 SEP 1956	14		
17 JAN 1962	0	22 MAR 1961	4.5	3 MAY 1958	6			14 SEP 1961	11		
24 JAN 1963	0			27 MAY 1959	6			14 SEP 1962	8.5		
23 JAN 1964	0			23 MAY 1961	8			9 SEP 1963	12		
13 FEB 1957	0	24 APR 1956	5.5	18 JUN 1955	10	27 AUG 1955	8	16 OCT 1954	5.5	10 DEC 1955	0
		16 APR 1959	1.5	25 JUN 1957	9.5	9 AUG 1955	12	29 OCT 1954	4	15 DEC 1956	0
		3 APR 1962	0.5	9 JUN 1961	9.5	7 AUG 1956	13.5	6 OCT 1955	8	13 DEC 1960	0
				13 JUN 1961	10	2 AUG 1961	13.5	23 OCT 1956	4	10 DEC 1962	2
				7 JUN 1962	9			22 OCT 1958	6		
				15 JUN 1963	9.5			21 OCT 1959	6.5		
				4 JUN 1964	6						

COLUMBIA RIVER ABOVE NAGLE CREEK - STATION NO. 08ND007

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

23 JAN 1955	0						19 JUL 1954	11.5	24 SEP 1956	10	30 NOV 1958	0.5
13 JAN 1956	0						14 JUL 1956	11.5	13 SEP 1960	9.5	3 NOV 1961	3.5
28 JAN 1958	0.5						31 JUL 1956	14.5	15 SEP 1961	11	7 NOV 1963	4.5
17 JAN 1959	0						29 JUL 1958	12	11 SEP 1962	9	26 NOV 1964	1
31 JAN 1960	0						23 JUL 1959	14	11 SEP 1963	12	23 NOV 1965	3.5
10 JAN 1962	0.5						13 JUL 1964	13	9 SEP 1964	10	6 NOV 1973	9.5
29 JAN 1964	0						8 JUL 1968	10	30 SEP 1968	9	30 NOV 1976	8
22 JAN 1965	1						15 JUL 1968	12	18 SEP 1968	10.5		
14 JAN 1967	0.5						15 JUL 1969	11	25 SEP 1970	9.5		
20 JAN 1969	0						28 JUL 1970	12	14 SEP 1972	11		
8 JAN 1970	0						24 JUL 1973	9.5	29 SEP 1972	11		
20 JAN 1971	0						31 JUL 1973	10	13 SEP 1973	12		
14 JAN 1972	0						4 JUL 1975	14.5	14 SEP 1974	14.5		
25 JAN 1973	0						22 JUL 1976	8.5				
31 JAN 1973	10											

10 FEB 1953	0						17 AUG 1949	10.5	26 OCT 1949	6	3 DEC 1949	0.5
7 FEB 1954	1.5						13 AUG 1953	11	18 OCT 1950	4	11 DEC 1950	0
4 FEB 1961	0						27 AUG 1954	10	14 OCT 1952	8	7 DEC 1955	0.5
16 FEB 1962	0.5						26 AUG 1955	12	16 OCT 1953	8	4 DEC 1956	0
6 FEB 1963	0						8 AUG 1957	11.5	20 OCT 1954	9.5	9 DEC 1957	1
4 FEB 1969	0						1 AUG 1961	13.5	21 OCT 1955	6.5	4 DEC 1959	0.5
12 FEB 1970	1						11 AUG 1965	12	31 OCT 1956	4	12 DEC 1960	0
19 FEB 1971	0						2 AUG 1967	12	21 OCT 1958	6	14 DEC 1961	0
							5 AUG 1969	11	14 OCT 1959	8.5	6 DEC 1962	2
							24 AUG 1971	12	3 OCT 1967	10	17 DEC 1963	0
							15 AUG 1974	14.5	21 OCT 1968	8	4 DEC 1968	1.5
									16 OCT 1969	4.5	9 DEC 1969	1
									19 OCT 1971	5.5	3 DEC 1970	0
									31 OCT 1972	4.5	10 DEC 1971	0
											6 DEC 1973	7

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION NO. 08NDULL

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

6	JAN	1956	0									17	SEP	1955	10			9	NOV	1955	1
14	JAN	1957	0									11	SEP	1956	11			22	NOV	1956	1.5
7	JAN	1958	0									15	SEP	1961	11			6	NOV	1961	3.5
30	JAN	1956	0									12	SEP	1962	9.5			12	NOV	1963	3.5
13	JAN	1958	0									18	SEP	1964	9.5			1	NOV	1967	0.5
12	JAN	1960	0									1	SEP	1968	11.5			2	NOV	1967	0.5
12	JAN	1961	0									2	SEP	1968	11			3	NOV	1967	0
21	JAN	1963	0									3	SEP	1968	11.5			4	NOV	1967	0
17	JAN	1964	0									4	SEP	1968	11.5			5	NOV	1967	0
26	JAN	1965	0									5	SEP	1968	11			6	NOV	1967	0
3	JAN	1969	0									6	SEP	1968	11			24	NOV	1967	0
13	JAN	1969	0									7	SEP	1968	11.5			6	NOV	1968	3.5
23	JAN	1969	0									8	SEP	1968	11			10	NOV	1968	3
5	JAN	1970	0									9	SEP	1968	11.5			15	NOV	1968	2
6	JAN	1970	0									10	SEP	1968	11.5			19	NOV	1968	0.5
10	JAN	1970	0									11	SEP	1968	10.5			3	NOV	1969	5.5
17	JAN	1970	0									12	SEP	1968	11			5	NOV	1969	5
5	JAN	1971	0									13	SEP	1968	11.5			12	NOV	1969	4.5
25	JAN	1971	0									14	SEP	1968	10.5			19	NOV	1969	3
4	JAN	1972	0									15	SEP	1968	10			26	NOV	1969	2
10	JAN	1972	0									16	SEP	1968	10			6	NOV	1970	4.5
11	JAN	1972	0									17	SEP	1968	10			13	NOV	1970	3
18	JAN	1972	0									18	SEP	1968	10			20	NOV	1970	3
25	JAN	1972	0									19	SEP	1968	9			25	NOV	1970	0
23	JAN	1972	0									20	SEP	1968	9			3	NOV	1971	2
5	JAN	1973	0									21	SEP	1968	8.5			7	NOV	1972	5
23	JAN	1973	0									22	SEP	1968	8			13	NOV	1972	4.5
23	JAN	1974	2									23	SEP	1968	8.5			20	NOV	1972	3.5
17	JAN	1974	0.5									24	SEP	1968	9			27	NOV	1972	5.5
30	JAN	1974	1									24	SEP	1968	10			30	NOV	1972	1.5
4	JAN	1975	5									25	SEP	1968	9			6	NOV	1973	5.5
11	JAN	1975	1.5									26	SEP	1968	9.5			13	NOV	1973	6.5
18	JAN	1975	3.5									27	SEP	1968	9.5			19	NOV	1973	5.5
25	JAN	1975	4.5									28	SEP	1968	9.5			27	NOV	1973	5.5
30	JAN	1975	1.5									29	SEP	1968	9.5			3	NOV	1975	3
5	JAN	1976	0									30	SEP	1968	9.5			10	NOV	1975	3
12	JAN	1976	0.5									1	SEP	1969	11			17	NOV	1975	4
19	JAN	1975	2									3	SEP	1969	11			24	NOV	1975	3
26	JAN	1976	2									5	SEP	1969	10			4	NOV	1976	7
												7	SEP	1969	10.5			11	NOV	1976	7
												9	SEP	1969	11			18	NOV	1976	6
												11	SEP	1969	11			25	NOV	1976	5
												13	SEP	1969	11.5						
												15	SEP	1969	9						
												15	SEP	1969	9						
												19	SEP	1969	9.5						
												24	SEP	1969	9						
												30	SEP	1969	9						
												1	SEP	1970	11						
												4	SEP	1970	11						
												6	SEP	1970	10						
												11	SEP	1970	9						
												15	SEP	1970	7						
												18	SEP	1970	9						
												22	SEP	1970	9						
												22	SEP	1970	9						
												25	SEP	1970	7						
												15	SEP	1970	7						
												18	SEP	1970	9						
												22	SEP	1970	9						
												26	SEP	1970	9						

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION N.J. 08ND011

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

18	MAY	1969	8	27	JUL	1968	13.5	25	SEP	1970	7
19	MAY	1969	8.5	28	JUL	1968	13.5	29	SEP	1970	8
20	MAY	1968	8.5	29	JUL	1968	13.5	3	SEP	1971	11
21	MAY	1968	8	30	JUL	1968	11	7	SEP	1971	10
22	MAY	1969	7	31	JUL	1968	11.5	10	SEP	1971	10
23	MAY	1969	8.5	1	JUL	1969	11.5	14	SEP	1971	9
24	MAY	1968	7	2	JUL	1969	11	17	SEP	1971	9
25	MAY	1968	8.5	3	JUL	1969	11	21	SEP	1971	9
26	MAY	1968	8	4	JUL	1969	11	24	SEP	1971	8.5
27	MAY	1968	7	5	JUL	1969	10.5	28	SEP	1971	8.5
28	MAY	1969	8.5	6	JUL	1969	10.5	5	SEP	1972	11.5
29	MAY	1968	8.5	7	JUL	1969	12	7	SEP	1972	10.5
30	MAY	1969	8.5	8	JUL	1969	12.5	11	SEP	1972	10
31	MAY	1968	8.5	9	JUL	1969	12.5	14	SEP	1972	10.5
1	MAY	1969	6	10	JUL	1969	12	18	SEP	1972	8
2	MAY	1969	5	11	JUL	1969	11.5	18	SEP	1972	9.5
3	MAY	1969	8.5	12	JUL	1969	11	21	SEP	1972	8.5
4	MAY	1969	7	13	JUL	1969	11	25	SEP	1972	7
5	MAY	1969	7	14	JUL	1969	11	25	SEP	1972	8
6	MAY	1969	8.5	15	JUL	1969	11.5	26	SEP	1972	8.5
7	MAY	1969	8.5	16	JUL	1969	11.5	4	SEP	1973	10
8	MAY	1969	8.5	17	JUL	1969	11.5	7	SEP	1973	10.5
9	MAY	1969	8.5	18	JUL	1969	12.5	11	SEP	1973	10
10	MAY	1969	8.5	19	JUL	1969	13	14	SEP	1973	9.5
11	MAY	1969	7.5	20	JUL	1969	13.5	18	SEP	1973	9.5
12	MAY	1969	7.5	21	JUL	1969	13.5	21	SEP	1973	9.5
13	MAY	1969	9	22	JUL	1969	13	25	SEP	1973	9
14	MAY	1969	8.5	23	JUL	1969	13	28	SEP	1973	9
15	MAY	1969	8	24	JUL	1969	13.5	4	SEP	1974	10
16	MAY	1969	8	25	JUL	1969	13.5	11	SEP	1974	9
17	MAY	1969	9	26	JUL	1969	12	18	SEP	1974	9
18	MAY	1969	8	27	JUL	1969	13.5	25	SEP	1974	8.5
19	MAY	1969	8	28	JUL	1969	13.5	1	SEP	1975	10.5
20	MAY	1969	7	29	JUL	1969	12.5	2	SEP	1975	10
21	MAY	1970	8	30	JUL	1969	12.5	3	SEP	1975	10
22	MAY	1970	8.5	31	JUL	1969	13	4	SEP	1975	9.5
23	MAY	1970	8.5	1	JUL	1970	11	5	SEP	1975	10
24	MAY	1970	8.5	2	JUL	1970	12	6	SEP	1975	10
25	MAY	1970	8.5	3	JUL	1970	12.5	7	SEP	1975	10
26	MAY	1970	8.5	4	JUL	1970	12.5	8	SEP	1975	11
27	MAY	1970	8.5	5	JUL	1970	13	9	SEP	1975	9.5
28	MAY	1970	8.5	6	JUL	1970	13.5	10	SEP	1975	11.5
29	MAY	1970	8	7	JUL	1970	13.5	11	SEP	1975	9.5
30	MAY	1970	8	8	JUL	1970	14	12	SEP	1975	9.5
31	MAY	1970	8	9	JUL	1970	13.5	13	SEP	1975	9.5
1	MAY	1971	5	10	JUL	1970	13.5	14	SEP	1975	11
2	MAY	1971	5	11	JUL	1970	12.5	15	SEP	1975	11
3	MAY	1971	5	12	JUL	1970	13.5	16	SEP	1975	10.5
4	MAY	1971	5	13	JUL	1970	13.5	17	SEP	1975	10.5
5	MAY	1971	5	14	JUL	1970	13.5	18	SEP	1975	10
6	MAY	1971	5	15	JUL	1970	13.5	19	SEP	1975	10
7	MAY	1971	5	16	JUL	1970	13.5	20	SEP	1975	8.5
8	MAY	1971	5	17	JUL	1970	13.5	21	SEP	1975	6.5
9	MAY	1971	5	18	JUL	1970	13.5	22	SEP	1975	6.5
10	MAY	1971	5	19	JUL	1970	13	22	SEP	1975	14

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION NO. 08ND011

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

14	MAY	1971	5.5	20	JUL	1970	15	25	SEP	1975	6.5
15	MAY	1971	5.5	21	JUL	1970	12.5	24	SEP	1975	6.5
16	MAY	1971	5.5	22	JUL	1970	12.5	25	SEP	1975	6.5
17	MAY	1971	6	23	JUL	1970	12.5	26	SEP	1975	6.5
18	MAY	1971	7	24	JUL	1970	12	27	SEP	1975	8
19	MAY	1971	7	25	JUL	1970	11.5	28	SEP	1975	8.5
20	MAY	1971	6	26	JUL	1970	11.5	29	SEP	1975	10.5
21	MAY	1971	7	27	JUL	1970	11.5	30	SEP	1975	10.5
22	MAY	1971	7.5	28	JUL	1970	11.5	1	SEP	1976	10
24	MAY	1971	8	30	JUL	1970	11.5	16	SEP	1976	10.5
25	MAY	1971	8	31	JUL	1970	11.5	23	SEP	1976	10.5
26	MAY	1971	7.5	1	JUL	1971	10.5	30	SEP	1976	10.5
27	MAY	1971	8	2	JUL	1971	11				
28	MAY	1971	8.5	3	JUL	1971	10.5				
29	MAY	1971	8	4	JUL	1971	10				
30	MAY	1971	8.5	5	JUL	1971	10.5				
31	MAY	1971	8	6	JUL	1971	10.5				
1	MAY	1972	5	7	JUL	1971	10.5				
2	MAY	1972	5.5	8	JUL	1971	10.5				
3	MAY	1972	5.5	9	JUL	1971	11.5				
4	MAY	1972	5.5	10	JUL	1971	11.5				
5	MAY	1972	6	11	JUL	1971	10				
6	MAY	1972	5.5	12	JUL	1971	10.5				
7	MAY	1972	5.5	13	JUL	1971	11				
8	MAY	1972	5.5	14	JUL	1971	11				
9	MAY	1972	5.5	15	JUL	1971	11.5				
10	MAY	1972	5.5	16	JUL	1971	12				
11	MAY	1972	5.5	17	JUL	1971	12				
12	MAY	1972	5.5	18	JUL	1971	12				
13	MAY	1972	5.5	19	JUL	1971	13				
14	MAY	1972	5.5	20	JUL	1971	13				
15	MAY	1972	4.5	21	JUL	1971	13				
16	MAY	1972	4.5	22	JUL	1971	13				
17	MAY	1972	4	23	JUL	1971	13				
18	MAY	1972	5	24	JUL	1971	12.5				
19	MAY	1972	6	25	JUL	1971	11.5				
20	MAY	1972	6	26	JUL	1971	12.5				
21	MAY	1972	6	27	JUL	1971	13				
22	MAY	1972	6	28	JUL	1971	14				
23	MAY	1972	6	29	JUL	1971	14				
24	MAY	1972	6.5	30	JUL	1971	13.5				
25	MAY	1972	6.5	31	JUL	1971	14				
26	MAY	1972	7	1	JUL	1972	9				
27	MAY	1972	7	2	JUL	1972	9				
28	MAY	1972	7	3	JUL	1972	10				
29	MAY	1972	7.5	4	JUL	1972	10.5				
30	MAY	1972	7.5	5	JUL	1972	10.5				
31	MAY	1972	7.5	6	JUL	1972	11				
1	MAY	1973	7	7	JUL	1972	10.5				
2	MAY	1973	8	8	JUL	1972	10				
3	MAY	1973	7.5	9	JUL	1972	10				
4	MAY	1973	6.5	10	JUL	1972	9.5				
5	MAY	1973	6.5	11	JUL	1972	10.5				
6	MAY	1973	6.5	12	JUL	1972	10				

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION NO. UBRD011
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

7	MAY 1973	6	14	JUL 1972	9.5
8	MAY 1973	6	15	JUL 1972	10
9	MAY 1973	6	16	JUL 1972	10.5
10	MAY 1973	6	17	JUL 1972	10.5
11	MAY 1973	6.5	18	JUL 1972	11
12	MAY 1973	7	19	JUL 1972	11
13	MAY 1973	8	20	JUL 1972	11.5
14	MAY 1973	8.5	21	JUL 1972	11
15	MAY 1973	8.5	22	JUL 1972	11.5
16	MAY 1973	8.5	23	JUL 1972	11.5
17	MAY 1973	8.5	24	JUL 1972	11.5
18	MAY 1973	7	25	JUL 1972	11.5
19	MAY 1973	7	26	JUL 1972	11.5
20	MAY 1973	7	27	JUL 1972	11.5
21	MAY 1973	7	28	JUL 1972	12
22	MAY 1973	7	29	JUL 1972	12
23	MAY 1973	6.5	30	JUL 1972	12
24	MAY 1973	6	31	JUL 1972	11.5
25	MAY 1973	6	1	JUL 1973	9
26	MAY 1973	6	2	JUL 1973	9
27	MAY 1973	6.5	3	JUL 1973	9.5
28	MAY 1973	7	4	JUL 1973	10
29	MAY 1973	8	5	JUL 1973	8.5
30	MAY 1973	8.5	6	JUL 1973	9
31	MAY 1973	9	7	JUL 1973	9.5
1	MAY 1974	4.5	8	JUL 1973	9.5
2	MAY 1974	4.5	9	JUL 1973	10
3	MAY 1974	4.5	10	JUL 1973	10
4	MAY 1974	4.5	11	JUL 1973	10
5	MAY 1974	5	12	JUL 1973	10.5
6	MAY 1974	5	13	JUL 1973	10.5
7	MAY 1974	5	14	JUL 1973	10.5
8	MAY 1974	5	15	JUL 1973	10.5
9	MAY 1974	5.5	16	JUL 1973	10.5
10	MAY 1974	5.5	17	JUL 1973	10.5
11	MAY 1974	5.5	18	JUL 1973	10.5
12	MAY 1974	6	19	JUL 1973	10
13	MAY 1974	6	20	JUL 1973	10.5
14	MAY 1974	5.5	21	JUL 1973	10
15	MAY 1974	5.5	22	JUL 1973	9.5
16	MAY 1974	5.5	23	JUL 1973	9
17	MAY 1974	6	24	JUL 1973	8.5
18	MAY 1974	6	25	JUL 1973	9
19	MAY 1974	6	26	JUL 1973	10
20	MAY 1974	7	27	JUL 1973	10
21	MAY 1974	8	28	JUL 1973	10
22	MAY 1974	8	29	JUL 1973	10.5
23	MAY 1974	7	30	JUL 1973	10
24	MAY 1974	5.5	31	JUL 1973	10
25	MAY 1974	5.5	1	JUL 1974	7
26	MAY 1974	5.5	2	JUL 1974	6.5
27	MAY 1974	6	3	JUL 1974	6
28	MAY 1974	5	4	JUL 1974	6.5
29	MAY 1974	5.5	5	JUL 1974	7
30	MAY 1974	6.5	6	JUL 1974	7

COLUMBIA RIVER ABOVE STEAMBOAT RAPIDS - STATION NO. 06ND011
 SPJ1 OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

30	MAY	1974	6	7	JUL	1974	7
31	MAY	1974	5.5	8	JUL	1974	6.5
1	MAY	1975	5.5	9	JUL	1974	7
10	MAY	1975	5	10	JUL	1974	8
11	MAY	1975	6	11	JUL	1974	7
24	MAY	1975	5.5	12	JUL	1974	7
26	MAY	1975	8	13	JUL	1974	8.5
27	MAY	1975	5.5	14	JUL	1974	9
27	MAY	1975	8	15	JUL	1974	9
28	MAY	1975	7	16	JUL	1974	8.5
29	MAY	1975	9	16	JUL	1974	9
30	MAY	1975	8.5	17	JUL	1974	8.5
31	MAY	1975	6	18	JUL	1974	7
1	MAY	1976	7	19	JUL	1974	7
2	MAY	1976	6	20	JUL	1974	9
3	MAY	1976	6	21	JUL	1974	8.5
4	MAY	1976	5.5	22	JUL	1974	9
5	MAY	1976	6	23	JUL	1974	9
6	MAY	1976	6.5	24	JUL	1974	9.5
7	MAY	1976	6.5	25	JUL	1974	9.5
8	MAY	1976	7	26	JUL	1974	9
9	MAY	1976	7	27	JUL	1974	9
10	MAY	1976	6	28	JUL	1974	9.5
11	MAY	1976	5	29	JUL	1974	10
12	MAY	1976	5.5	30	JUL	1974	10.5
13	MAY	1976	5.5	31	JUL	1974	10.5
14	MAY	1976	5.5	1	JUL	1975	10.5
15	MAY	1976	5.5	2	JUL	1975	10.5
16	MAY	1976	5.5	3	JUL	1975	10.5
17	MAY	1976	6	5	JUL	1975	5.5
18	MAY	1976	6.5	6	JUL	1975	8
19	MAY	1976	7	7	JUL	1975	4
20	MAY	1976	6.5	8	JUL	1975	11.5
21	MAY	1976	7.5	9	JUL	1975	11.5
22	MAY	1976	7.5	10	JUL	1975	11
23	MAY	1976	7	11	JUL	1975	11
24	MAY	1976	7	12	JUL	1975	11
25	MAY	1976	6	13	JUL	1975	11
26	MAY	1976	5.5	14	JUL	1975	8
27	MAY	1976	5.5	15	JUL	1975	9
28	MAY	1976	5.5	16	JUL	1975	9.5
29	MAY	1976	5.5	17	JUL	1975	9.5
30	MAY	1976	5	18	JUL	1975	9.5
31	MAY	1976	5	19	JUL	1975	11
				20	JUL	1975	11
				21	JUL	1975	11
				21	JUL	1975	12
				22	JUL	1975	11
				23	JUL	1975	11
				24	JUL	1975	8
				25	JUL	1975	10
				26	JUL	1975	10
				27	JUL	1975	10
				28	JUL	1975	10.5
				29	JUL	1975	9.5

COLUMBIA RIVER ABOVE STEAMBJAI RAPIDS - STATION NO. 06R0011
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

	30	JUL	1975	10	
	31	JUL	1975	10	
	1	JUL	1976	6	
	2	JUL	1976	7.5	
	3	JUL	1976	7	
	4	JUL	1976	8	
	5	JUL	1976	8.5	
	6	JUL	1976	9	
	7	JUL	1976	8	
	8	JUL	1976	7.5	
	9	JUL	1976	8	
	10	JUL	1976	8.5	
	11	JUL	1976	8	
	12	JUL	1976	7.5	
	13	JUL	1976	8	
	14	JUL	1976	8.5	
	15	JUL	1976	9	
	16	JUL	1976	9.5	
	17	JUL	1976	9.5	
	18	JUL	1976	10	
	19	JUL	1976	10.5	
	20	JUL	1976	10.5	
	21	JUL	1976	9	
	22	JUL	1976	9	
	23	JUL	1976	9.5	
	24	JUL	1976	10	
	25	JUL	1976	10.5	
	26	JUL	1976	10	
	27	JUL	1976	10.5	
	28	JUL	1976	10	
	29	JUL	1976	10.5	
	30	JUL	1976	10.5	
	31	JUL	1976	10.5	

COLUMBIA RIVER ABOVE STEAMBUOI RAPIDS - STATION NO. 06N0011

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

11 APR 1972	0.5	11 JUN 1968	10	12 AUG 1969	11.5	1 OCT 1975	9.5
12 APR 1972	0.5	12 JUN 1968	8	14 AUG 1969	11	2 OCT 1975	8.5
13 APR 1972	1	13 JUN 1968	8	14 AUG 1969	11.5	3 OCT 1975	7
14 APR 1972	1	14 JUN 1968	8.5	16 AUG 1969	11.5	4 OCT 1975	7
15 APR 1972	2	14 JUN 1968	9	18 AUG 1969	11	5 OCT 1975	9
16 APR 1972	2	15 JUN 1968	9	20 AUG 1969	10.5	6 OCT 1975	9
17 APR 1972	3	16 JUN 1968	9	22 AUG 1969	10.5	7 OCT 1975	9
18 APR 1972	3.5	17 JUN 1968	9.5	24 AUG 1969	11	8 OCT 1975	9
19 APR 1972	3.5	18 JUN 1968	9.5	26 AUG 1969	11	9 OCT 1975	9
20 APR 1972	3.5	19 JUN 1968	9.5	30 AUG 1969	10.5	10 OCT 1975	9
21 APR 1972	4	20 JUN 1968	9	4 AUG 1970	13.5	11 OCT 1975	9
22 APR 1972	4.5	21 JUN 1968	9.5	7 AUG 1970	13	12 OCT 1975	9.5
23 APR 1972	4.5	22 JUN 1968	9.5	11 AUG 1970	12	13 OCT 1975	10
24 APR 1972	4.5	23 JUN 1968	10.5	14 AUG 1970	11	14 OCT 1975	9.5
25 APR 1972	4.5	24 JUN 1968	9	18 AUG 1970	11	15 OCT 1975	9
26 APR 1972	4.5	25 JUN 1968	10	21 AUG 1970	12	16 OCT 1975	7
27 APR 1972	5	26 JUN 1968	10	25 AUG 1970	11.5	17 OCT 1975	7
28 APR 1972	5	27 JUN 1968	8.5	28 AUG 1970	11.5	18 OCT 1975	8
29 APR 1972	5	28 JUN 1968	8.5	28 AUG 1970	11.5	19 OCT 1975	8
30 APR 1972	5	29 JUN 1968	9	30 AUG 1971	13.5	20 OCT 1975	7
1 APR 1973	1.5	30 JUN 1968	9	10 AUG 1971	12	21 OCT 1975	5.5
2 APR 1973	2	1 JUN 1969	9	13 AUG 1971	13	17 OCT 1976	9
3 APR 1973	6.5	2 JUN 1969	9.5	16 AUG 1971	13	14 OCT 1976	8.5
4 APR 1973	4	3 JUN 1969	9.5	17 AUG 1971	11.5	21 OCT 1976	8
5 APR 1973	4.5	4 JUN 1969	10	20 AUG 1971	12	26 OCT 1976	8
6 APR 1973	4.5	5 JUN 1969	10	24 AUG 1971	11		
7 APR 1973	6.5	6 JUN 1969	10	27 AUG 1971	11.5		
8 APR 1973	4	7 JUN 1969	10	31 AUG 1971	12		
9 APR 1973	4	8 JUN 1969	10	3 AUG 1972	13		
10 APR 1973	4.5	9 JUN 1969	10.5	7 AUG 1972	12		
11 APR 1973	4.5	10 JUN 1969	10.5	10 AUG 1972	12		
12 APR 1973	8.5	11 JUN 1969	11	14 AUG 1972	12		
13 APR 1973	5	12 JUN 1969	11	17 AUG 1972	12		
14 APR 1973	5.5	13 JUN 1969	10.5	21 AUG 1972	12		
15 APR 1973	5.5	14 JUN 1969	11	24 AUG 1972	12		
16 APR 1973	5.5	15 JUN 1969	11.5	28 AUG 1972	12		
17 APR 1973	5	16 JUN 1969	11	31 AUG 1972	11		
18 APR 1973	5	17 JUN 1969	11.5	3 AUG 1973	11		
19 APR 1973	5.5	18 JUN 1969	11.5	7 AUG 1973	9.5		
20 APR 1973	5.5	19 JUN 1969	12	10 AUG 1973	11		
21 APR 1973	5.5	20 JUN 1969	11	14 AUG 1973	10		
22 APR 1973	6	21 JUN 1969	11	17 AUG 1973	10		
23 APR 1973	6	22 JUN 1969	10.5	21 AUG 1973	10		
24 APR 1973	6	23 JUN 1969	10.5	24 AUG 1973	10		
25 APR 1973	6	24 JUN 1969	10.5	28 AUG 1973	9		
26 APR 1973	6	25 JUN 1969	10.5	31 AUG 1973	9.5		
27 APR 1973	6	26 JUN 1969	10.5	1 AUG 1974	9.5		
28 APR 1973	6	27 JUN 1969	10.5	2 AUG 1974	9.5		
29 APR 1973	6	28 JUN 1969	11	3 AUG 1974	9.5		
30 APR 1973	6.5	29 JUN 1969	11.5	4 AUG 1974	9.5		
1 APR 1974	4	30 JUN 1969	11	5 AUG 1974	9		
		1 JUN 1970	9.5	6 AUG 1974	9		
		2 JUN 1970	9.5	7 AUG 1974	9		
		3 JUN 1970	10	8 AUG 1974	9		
		4 JUN 1970	10	9 AUG 1974	9.5		

COLUMBIA RIVER ABOVE STEAMBJAI KAPIUS - STATION NO. 08NJ011

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

2 APR 1974	4	5 JUN 1970	9	10 AUG 1974	9
3 APR 1974	4.5	6 JUN 1970	9	11 AUG 1974	9.5
4 APR 1974	4.5	7 JUN 1970	9.5	12 AUG 1974	9.5
5 APR 1974	4.5	8 JUN 1970	9	13 AUG 1974	9
6 APR 1974	4.5	9 JUN 1970	9	14 AUG 1974	9.5
7 APR 1974	4	10 JUN 1970	9	15 AUG 1974	10
8 APR 1974	3.5	11 JUN 1970	9	16 AUG 1974	11
9 APR 1974	4.5	12 JUN 1970	9.5	17 AUG 1974	10
10 APR 1974	5	13 JUN 1970	9.5	18 AUG 1974	10
11 APR 1974	5	14 JUN 1970	9.5	19 AUG 1974	10
12 APR 1974	5	15 JUN 1970	10	20 AUG 1974	9.5
13 APR 1974	4.5	16 JUN 1970	9.5	21 AUG 1974	10
14 APR 1974	4.5	17 JUN 1970	9.5	22 AUG 1974	10
15 APR 1974	4	18 JUN 1970	10.5	23 AUG 1974	10.5
16 APR 1974	4	19 JUN 1970	10.5	24 AUG 1974	10
17 APR 1974	5	20 JUN 1970	11	25 AUG 1974	9.5
18 APR 1974	5	21 JUN 1970	11	26 AUG 1974	9
19 APR 1974	5	22 JUN 1970	11.5	27 AUG 1974	10
20 APR 1974	4.5	23 JUN 1970	11	28 AUG 1974	10
21 APR 1974	4.5	24 JUN 1970	11.5	29 AUG 1974	10.5
22 APR 1974	4.5	25 JUN 1970	11	30 AUG 1974	10.5
23 APR 1974	5	26 JUN 1970	11.5	31 AUG 1974	10.5
24 APR 1974	5	27 JUN 1970	11.5	1 AUG 1975	10
25 APR 1974	5.5	28 JUN 1970	11	2 AUG 1975	9.5
26 APR 1974	5	29 JUN 1970	11	3 AUG 1975	9.5
27 APR 1974	5	30 JUN 1970	11	4 AUG 1975	11
28 APR 1974	4.5	1 JUN 1971	9.5	5 AUG 1975	11.5
29 APR 1974	4.5	2 JUN 1971	9	6 AUG 1975	10
30 APR 1974	5	3 JUN 1971	9.5	7 AUG 1975	10
1 APR 1975	4	6 JUN 1971	9	8 AUG 1975	10
2 APR 1975	4	7 JUN 1971	8.5	9 AUG 1975	10
3 APR 1975	4	8 JUN 1971	8.5	10 AUG 1975	10
4 APR 1975	5.5	9 JUN 1971	7.5	11 AUG 1975	10
5 APR 1975	5.5	10 JUN 1971	7.5	12 AUG 1975	10.5
6 APR 1975	4	11 JUN 1971	7	13 AUG 1975	11
7 APR 1975	4.5	12 JUN 1971	9	14 AUG 1975	11
8 APR 1975	4.5	13 JUN 1971	9	15 AUG 1975	11.5
9 APR 1975	5	14 JUN 1971	8.5	16 AUG 1975	11
10 APR 1975	5.5	15 JUN 1971	8.5	17 AUG 1975	11
11 APR 1975	6	16 JUN 1971	9	18 AUG 1975	11
12 APR 1975	6	17 JUN 1971	9	19 AUG 1975	11
13 APR 1975	6	18 JUN 1971	9.5	20 AUG 1975	11
14 APR 1975	6	19 JUN 1971	10	21 AUG 1975	10
15 APR 1975	5.5	20 JUN 1971	10	22 AUG 1975	10
16 APR 1975	5.5	21 JUN 1971	10.5	23 AUG 1975	10
17 APR 1975	5.5	22 JUN 1971	10.5	24 AUG 1975	10
18 APR 1975	4	23 JUN 1971	10	25 AUG 1975	10.5
19 APR 1975	4	24 JUN 1971	7	26 AUG 1975	10
20 APR 1975	4	25 JUN 1971	9.5	27 AUG 1975	10
21 APR 1975	4	26 JUN 1971	9.5	28 AUG 1975	10
22 APR 1975	4	27 JUN 1971	9.5	29 AUG 1975	10
23 APR 1975	4	28 JUN 1971	10	30 AUG 1975	10.5
24 APR 1975	4	29 JUN 1971	10	1 AUG 1976	10.5
25 APR 1975	4	30 JUN 1971	10.5	2 AUG 1976	10.5
26 APR 1975	4.5				
27 APR 1975	4.5				
28 APR 1975	5.5				
29 APR 1975	5.5				
30 APR 1975	5.5				

COLUMBIA RIVER ABOVE STEAMBAJAI RAPIDS - STATION NO. 05ND011
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

23 APR 1976	6	1 JUN 1972	7.5	3 AUG 1976	11
24 APR 1976	6	2 JUN 1972	7	4 AUG 1976	11
25 APR 1976	6.5	3 JUN 1972	7	5 AUG 1976	10.5
26 APR 1976	6.5	4 JUN 1972	7.5	6 AUG 1976	10.5
27 APR 1976	7	5 JUN 1972	8.5	7 AUG 1976	10
28 APR 1976	7.5	6 JUN 1972	8.5	8 AUG 1976	10
29 APR 1976	7.5	7 JUN 1972	8.5	9 AUG 1976	10.5
30 APR 1976	7.5	8 JUN 1972	9	10 AUG 1976	11
		9 JUN 1972	8.5	11 AUG 1976	11
		10 JUN 1972	8	12 AUG 1976	11
		11 JUN 1972	8	13 AUG 1976	10.5
		12 JUN 1972	7.5	14 AUG 1976	10
		13 JUN 1972	7	15 AUG 1976	10.5
		14 JUN 1972	8.5	16 AUG 1976	11
		15 JUN 1972	9	17 AUG 1976	10
		16 JUN 1972	9	18 AUG 1976	9.5
		17 JUN 1972	9	19 AUG 1976	9
		18 JUN 1972	9	20 AUG 1976	9
		19 JUN 1972	9	21 AUG 1976	9
		20 JUN 1972	9	22 AUG 1976	10
		21 JUN 1972	9	23 AUG 1976	10
		22 JUN 1972	9	24 AUG 1976	10
		23 JUN 1972	9.5	25 AUG 1976	10
		24 JUN 1972	9	26 AUG 1976	10
		25 JUN 1972	9	27 AUG 1976	9.5
		26 JUN 1972	9	28 AUG 1976	9.5
		27 JUN 1972	8.5	29 AUG 1976	9.5
		28 JUN 1972	9	30 AUG 1976	9.5
		29 JUN 1972	9	31 AUG 1976	10
		30 JUN 1972	9		
		1 JUN 1973	8.5		
		2 JUN 1973	8.5		
		3 JUN 1973	8		
		4 JUN 1973	9		
		5 JUN 1973	8.5		
		6 JUN 1973	8		
		7 JUN 1973	8.5		
		8 JUN 1973	8.5		
		9 JUN 1973	7		
		10 JUN 1973	7		
		11 JUN 1973	7		
		12 JUN 1973	8		
		13 JUN 1973	8.5		
		14 JUN 1973	8.5		
		15 JUN 1973	8.5		
		16 JUN 1973	11		
		17 JUN 1973	8.5		
		18 JUN 1973	8.5		
		19 JUN 1973	11		
		20 JUN 1973	8.5		
		21 JUN 1973	9		
		22 JUN 1973	9		

COLUMBIA RIVER ABOVE STEAMBUAT RAPIDS - STATION NO. 08ND011
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

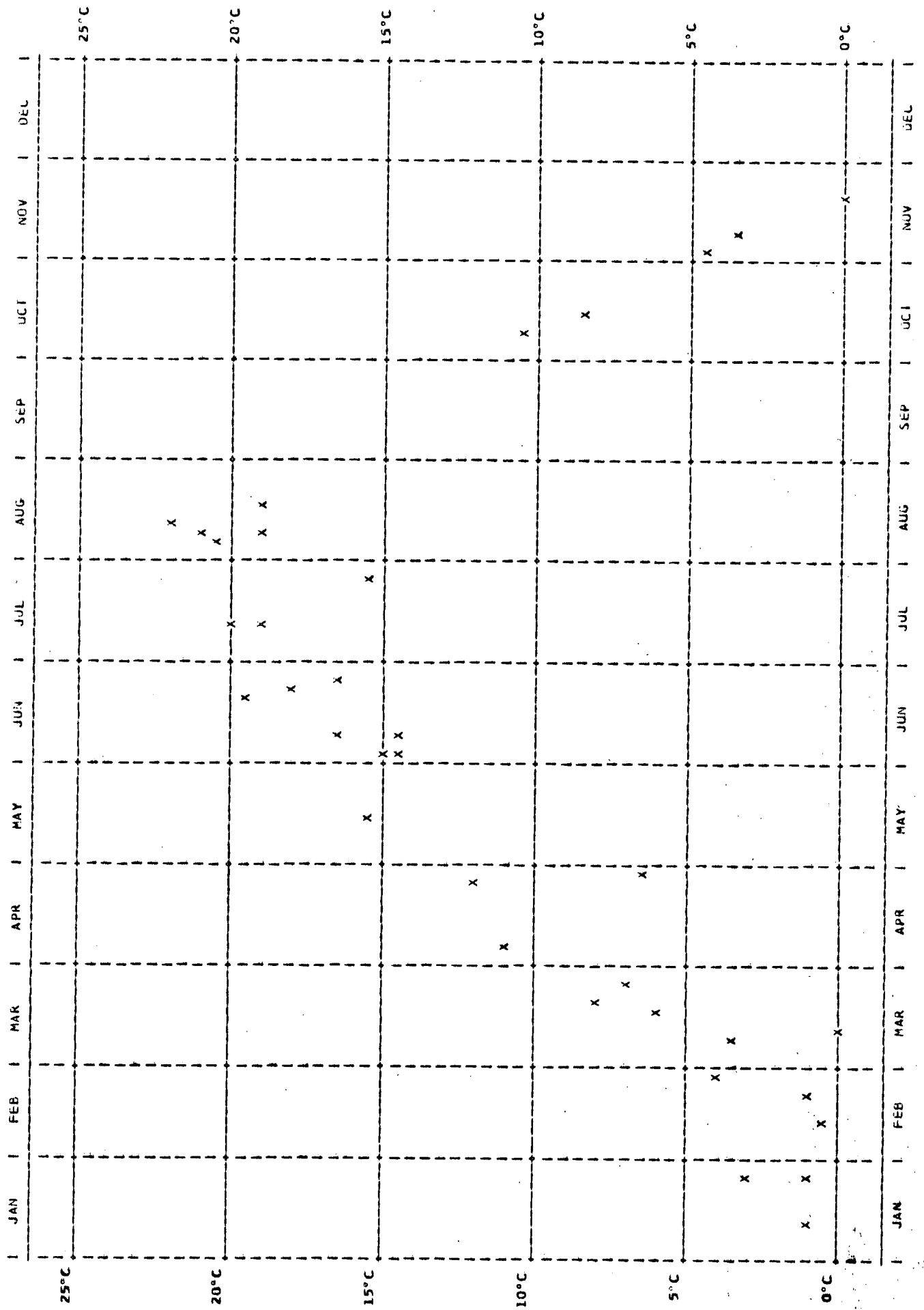
23	JUN	1973	9
24	JUN	1973	8.5
25	JUN	1973	8.5
26	JUN	1973	8.5
27	JUN	1973	9
28	JUN	1973	9
29	JUN	1973	9
30	JUN	1973	9
1	JUN	1974	6
2	JUN	1974	6
3	JUN	1974	6
4	JUN	1974	6
5	JUN	1974	6
6	JUN	1974	4
7	JUN	1974	6
8	JUN	1974	6
9	JUN	1974	6.5
10	JUN	1974	7
11	JUN	1974	7
12	JUN	1974	8
13	JUN	1974	8
14	JUN	1974	7
15	JUN	1974	6.5
16	JUN	1974	7
17	JUN	1974	7
18	JUN	1974	7
19	JUN	1974	7
20	JUN	1974	6
21	JUN	1974	7
22	JUN	1974	7
23	JUN	1974	7
24	JUN	1974	7
25	JUN	1974	7
26	JUN	1974	8
27	JUN	1974	6.5
28	JUN	1974	6.5
29	JUN	1974	6.5
30	JUN	1974	7
1	JUN	1975	8
2	JUN	1975	7
3	JUN	1975	6
4	JUN	1975	7
5	JUN	1975	7
6	JUN	1975	6
7	JUN	1975	6.5
8	JUN	1975	6.5
9	JUN	1975	6.5
10	JUN	1975	8.5
11	JUN	1975	8.5
12	JUN	1975	8
13	JUN	1975	8
14	JUN	1975	7
15	JUN	1975	7
16	JUN	1975	7

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COLUMBIA RIVER ABOVE STEAMBUOI RAPIDS - STATION WU. 08ND011
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

17 JUN 1975	9.5
18 JUN 1975	9.5
19 JUN 1975	9.5
20 JUN 1975	9.5
21 JUN 1975	6
22 JUN 1975	6
23 JUN 1975	7
24 JUN 1975	9.5
25 JUN 1975	8
26 JUN 1975	8
27 JUN 1975	8.5
28 JUN 1975	8.5
29 JUN 1975	8.5
30 JUN 1975	8.5
1 JUN 1976	8.5
2 JUN 1976	6.5
3 JUN 1976	6
4 JUN 1976	6
5 JUN 1976	6.5
6 JUN 1976	7
7 JUN 1976	8
8 JUN 1976	8
9 JUN 1976	7.5
10 JUN 1976	7
11 JUN 1976	6.5
12 JUN 1976	7
13 JUN 1976	6.5
14 JUN 1976	8
15 JUN 1976	7
16 JUN 1976	7
17 JUN 1976	8
18 JUN 1976	8.5
19 JUN 1976	8.5
20 JUN 1976	8
21 JUN 1976	7
22 JUN 1976	7.5
23 JUN 1976	7.5
24 JUN 1976	7.5
25 JUN 1976	6.5
26 JUN 1976	7
27 JUN 1976	8
28 JUN 1976	9
29 JUN 1976	9

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



COLUMBIA RIVER AT ATHALMEK - STATION NO. 08MA004

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

25 JAN 1951	3																			
25 JAN 1954	1	27 MAR 1950	7	15 MAY 1952	15.5	26 JUL 1952	15.5													
11 JAN 1955	1	16 MAR 1953	6			10 JUL 1953	20													
		8 MAR 1954	3.5			12 JUL 1954	19													
		10 MAR 1955	0																	
		19 MAR 1968	8																	

8 NOV 1949 3.5
19 NOV 1953 0
5 NOV 1972 4.5

10 FEB 1950	0.5	26 APR 1949	12	22 JUN 1950	18	8 AUG 1949	21	7 OCT 1952	10.5
27 FEB 1951	4	6 APR 1952	11	1 JUN 1951	15	4 AUG 1950	20.5	13 OCT 1954	8.5
19 FEB 1953	1	28 APR 1955	6.5	26 JUN 1951	16.5	16 AUG 1951	19		
				9 JUN 1953	16.5	11 AUG 1953	22		
				1 JUN 1954	14.5	8 AUG 1955	19		
				20 JUN 1955	19.5				

SPJ1 OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

13- JAN 1949	2					5.5								18 SEP 1947	12			28 NOV 1949	7
15 JAN 1950	1					1								16 SEP 1948	14			1 NOV 1956	7
27 JAN 1951	1					3.5								12 SEP 1949	16.5			20 NOV 1956	6.5
21 JAN 1952	1.5					3.5								6 SEP 1952	19			19 NOV 1958	6.5
13 JAN 1954	4					2								22 SEP 1953	10.5			18 NOV 1959	6.5
24 JAN 1954	2					2								23 SEP 1955	14			27 NOV 1963	8
4 JAN 1956	2					6								20 SEP 1956	16			1 NOV 1965	11
22 JAN 1957	0					3.5								26 SEP 1961	13.5			2 NOV 1965	11
9 JAN 1958	3.5					3.5								26 SEP 1962	14			3 NOV 1965	11
21 JAN 1959	2					3.5								27 SEP 1963	15.5			4 NOV 1965	11
19 JAN 1960	2					4								15 SEP 1964	15			5 NOV 1965	11
7 JAN 1965	1.5					7								1 SEP 1965	16.5			6 NOV 1965	11
1 JAN 1965	3.5					8								2 SEP 1965	16.5			7 NOV 1965	10.5
2 JAN 1966	3.5					8								3 SEP 1965	16.5			8 NOV 1965	10.5
3 JAN 1966	3.5					4								4 SEP 1965	16.5			9 NOV 1965	10.5
4 JAN 1966	3.5					4.5								5 SEP 1965	16.5			9 NOV 1965	10
5 JAN 1966	3.5					4.5								6 SEP 1965	16			10 NOV 1965	10
6 JAN 1966	3.5					4.5								7 SEP 1965	16			12 NOV 1965	10
7 JAN 1966	3.5					5								8 SEP 1965	16			13 NOV 1965	10
8 JAN 1966	3.5					5								9 SEP 1965	16			14 NOV 1965	9.5
9 JAN 1966	3.5					5								10 SEP 1965	16			15 NOV 1965	9.5
10 JAN 1966	3					6								11 SEP 1965	16			16 NOV 1965	9.5
11 JAN 1966	3					6								12 SEP 1965	16			17 NOV 1965	9
12 JAN 1966	3					6								13 SEP 1965	15.5			18 NOV 1965	9
13 JAN 1966	3.5					3								14 SEP 1965	15.5			19 NOV 1965	9
14 JAN 1966	3					4								15 SEP 1965	14			20 NOV 1965	9
15 JAN 1966	3					4.5								16 SEP 1965	15.5			21 NOV 1965	9
16 JAN 1966	3					4.5								17 SEP 1965	15.5			22 NOV 1965	9
17 JAN 1966	3					3.5								18 SEP 1965	15			23 NOV 1965	8.5
18 JAN 1966	3					4.5								19 SEP 1965	15			24 NOV 1965	8.5
19 JAN 1966	3					5.5								20 SEP 1965	15			25 NOV 1965	8.5
20 JAN 1966	3					3								21 SEP 1965	15			26 NOV 1965	8.5
21 JAN 1966	3					3								22 SEP 1965	15			27 NOV 1965	8
22 JAN 1966	3					3								23 SEP 1965	15			28 NOV 1965	8
23 JAN 1966	3					3.5								24 SEP 1965	15			29 NOV 1965	8
24 JAN 1966	3					3								25 SEP 1965	15			30 NOV 1965	8
25 JAN 1966	3					3.5								26 SEP 1965	14.5			1 NOV 1966	7
26 JAN 1966	3					3.5								28 SEP 1965	14.5			19 NOV 1966	6.5
27 JAN 1966	3					4								29 SEP 1965	14.5			26 NOV 1966	8
28 JAN 1966	3					4.5								30 SEP 1965	14.5			5 NOV 1967	10
29 JAN 1966	3					4								1 SEP 1966	17			7 NOV 1967	9
30 JAN 1966	3					4.5								2 SEP 1966	16.5			11 NOV 1967	9.5
6 JAN 1967	4					4.5								3 SEP 1966	15			19 NOV 1967	9
7 JAN 1967	4					4.5								4 SEP 1966	16			28 NOV 1967	8
14 JAN 1967	3.5					4								5 SEP 1966	16			2 NOV 1968	10
21 JAN 1967	4					4								7 SEP 1966	16.5			7 NOV 1968	10
7 JAN 1968	3.5					3.5								11 SEP 1966	18			16 NOV 1969	9
14 JAN 1968	3.5					3.5								14 SEP 1966	17			30 NOV 1969	7
19 JAN 1968	3					4								20 SEP 1966	15.5			3 NOV 1970	9.5
20 JAN 1968	4					4.5								25 SEP 1966	16			8 NOV 1970	9.5
27 JAN 1968	3					3.5								28 SEP 1967	16			11 NOV 1970	9.5
19 JAN 1969	3					4								1 SEP 1968	16.5			17 NOV 1970	8
19 JAN 1969	3					4								2 SEP 1968	16.5			25 NOV 1970	7

COLUME
SPUT OBSERVATION

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

12	MAY	1972	7	23	JUL	1971	12.5
13	MAY	1972	7.5	26	JUL	1971	16.5
14	MAY	1972	7.5	27	JUL	1971	15.5
15	MAY	1972	7	28	JUL	1971	14.5
16	MAY	1972	7	29	JUL	1971	16.5
17	MAY	1972	6.5	30	JUL	1971	17
18	MAY	1972	6.5	31	JUL	1971	17
19	MAY	1972	7.5	2	JUL	1972	11
20	MAY	1972	8	3	JUL	1972	11
21	MAY	1972	8	4	JUL	1972	11
22	MAY	1972	7	5	JUL	1972	11
23	MAY	1972	8	5	JUL	1972	11.5
24	MAY	1972	7.5	7	JUL	1972	12
25	MAY	1972	7	8	JUL	1972	11.5
26	MAY	1972	7	9	JUL	1972	11.5
27	MAY	1972	7.5	10	JUL	1972	11.5
28	MAY	1972	7.5	11	JUL	1972	11.5
29	MAY	1972	8	12	JUL	1972	11
30	MAY	1972	8	23	JUL	1972	12.5
31	MAY	1972	9	26	JUL	1972	13
1	MAY	1973	7	29	JUL	1972	14
2	MAY	1973	7	31	JUL	1972	14.5
3	MAY	1973	7	2	JUL	1973	14
4	MAY	1973	7	7	JUL	1973	14.5
5	MAY	1973	7.5	12	JUL	1973	15
6	MAY	1973	8.5	14	JUL	1973	15.5
7	MAY	1973	8.5	26	JUL	1973	17
8	MAY	1973	6.5	26	JUL	1973	13.5
9	MAY	1973	6.5	10	JUL	1974	13.5
10	MAY	1973	10.5	12	JUL	1974	13.5
11	MAY	1973	10	15	JUL	1974	14.5
12	MAY	1973	9.5	18	JUL	1974	14
13	MAY	1973	9	22	JUL	1974	15.5
14	MAY	1973	9.5	25	JUL	1974	16.5
15	MAY	1973	9.5	29	JUL	1974	16.5
16	MAY	1973	10	3	JUL	1975	13
17	MAY	1973	10	7	JUL	1975	15
18	MAY	1973	10.5	10	JUL	1975	16
19	MAY	1973	10.5	10	JUL	1975	17
20	MAY	1974	6	14	JUL	1975	16.5
21	MAY	1974	6	17	JUL	1975	16.5
22	MAY	1974	6.5	21	JUL	1975	16.5
23	MAY	1974	6.5	24	JUL	1975	18
24	MAY	1974	6.5	23	JUL	1975	18
25	MAY	1974	5.5	31	JUL	1975	15
26	MAY	1974	6.5	3	JUL	1976	13.5
27	MAY	1974	3	8	JUL	1976	13
28	MAY	1974	9	12	JUL	1976	13.5
29	MAY	1974	10	15	JUL	1976	14
30	MAY	1974	10.5	17	JUL	1976	14.5
31	MAY	1974	5.5	23	JUL	1976	15.5
1	MAY	1974	5.5	26	JUL	1976	16
2	MAY	1974	8	29	JUL	1976	16
3	MAY	1974	8				
4	MAY	1974	8				
5	MAY	1974	8				
6	MAY	1974	8				
7	MAY	1974	8				
8	MAY	1974	8				
9	MAY	1974	8				
10	MAY	1974	8				
11	MAY	1974	8				
12	MAY	1974	8				
13	MAY	1974	8				
14	MAY	1974	8				
15	MAY	1974	8				
16	MAY	1974	8				
17	MAY	1974	8				
18	MAY	1974	8				
19	MAY	1974	8				
20	MAY	1974	8				

COLUMBIA RIVER AT BIRCHBANK - STATION NO. UBNE049
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

21	MAY	1974	8
22	MAY	1974	8.5
23	MAY	1974	8.5
24	MAY	1974	7
25	MAY	1974	6
26	MAY	1974	6.5
27	MAY	1974	8
28	MAY	1974	8.5
29	MAY	1974	8.5
30	MAY	1974	7
31	MAY	1974	10
1	MAY	1975	5.5
2	MAY	1975	5.5
3	MAY	1975	5.5
4	MAY	1975	5.5
5	MAY	1975	5.5
6	MAY	1975	5
7	MAY	1975	5.5
8	MAY	1975	7
9	MAY	1975	7
10	MAY	1975	7
11	MAY	1975	7
12	MAY	1975	8
13	MAY	1975	8
14	MAY	1975	8.5
15	MAY	1975	8.5
16	MAY	1975	8.5
17	MAY	1975	8.5
18	MAY	1975	8.5
19	MAY	1975	8
20	MAY	1975	8.5
21	MAY	1975	9
22	MAY	1975	9
23	MAY	1975	9
24	MAY	1975	8.5
25	MAY	1975	9
26	MAY	1975	9
27	MAY	1975	9
28	MAY	1975	9
29	MAY	1975	9
30	MAY	1975	9
31	MAY	1975	9.5
1	MAY	1976	5
2	MAY	1976	5.5
3	MAY	1976	5.5
4	MAY	1976	5.5
5	MAY	1976	5.5
6	MAY	1976	7
7	MAY	1976	8
8	MAY	1976	7
9	MAY	1976	7
10	MAY	1976	6
11	MAY	1976	7
12	MAY	1976	8
13	MAY	1976	8
14	MAY	1976	8.5
15	MAY	1976	8.5

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COLUMBIA RIVER AT BIRCHBANK - STATION NO. 031E045

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

		15	MAY	1976	8.2			
		16	MAY	1976	8			
		17	MAY	1976	8.2			
		18	MAY	1976	8.2			
		19	MAY	1976	8.2			
		20	MAY	1976	8.2			
		21	MAY	1976	8.2			
		22	MAY	1976	8.2			
		23	MAY	1976	8.2			
		24	MAY	1976	8.2			
		25	MAY	1976	8			
		26	MAY	1976	8			
		27	MAY	1976	8.2			
		28	MAY	1976	8.2			
		29	MAY	1976	8.2			
		30	MAY	1976	8			

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 084E049

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

26 FEB 1946	2	15 APR 1948	6	25 JUN 1947	14	4 AUG 1947	21	25 OCT 1949	10.5	9 DEC 1947	6
1 FEB 1950	3.5	20 APR 1949	6	21 JUN 1949	11.5	4 AUG 1948	15.5	10 OCT 1951	10.5	14 DEC 1950	3.5
4 FEB 1950	0.5	29 APR 1949	8.5	10 JUN 1950	9	27 AUG 1950	16.5	23 OCT 1951	11	1 DEC 1951	3.5
18 FEB 1953	3.5	26 APR 1950	7	23 JUN 1950	10.5	15 AUG 1951	16.5	15 OCT 1952	13	11 DEC 1956	3
23 FEB 1954	3.5	20 APR 1951	7	14 JUN 1951	9.5	9 AUG 1955	15.5	24 OCT 1958	11	9 DEC 1957	5.5
25 FEB 1955	1.5	9 APR 1953	8	17 JUN 1952	10	21 AUG 1956	18	28 OCT 1958	10	10 DEC 1957	5
9 FEB 1957	1.5	14 APR 1954	4.5	11 JUN 1953	11	14 AUG 1957	15.5	21 OCT 1959	13	29 DEC 1954	3.5
7 FEB 1957	0	28 APR 1955	6	19 JUN 1953	9	5 AUG 1958	16.5	8 OCT 1960	13	14 DEC 1960	3.5
4 FEB 1958	3.5	12 APR 1957	4.5	22 JUN 1955	8.5	17 AUG 1959	15.5	26 OCT 1961	13.5	19 DEC 1961	3.5
25 FEB 1959	1.5	10 APR 1958	5	5 JUN 1956	8	13 AUG 1960	15.5	30 OCT 1963	11	1 DEC 1965	8
8 FEB 1963	3	10 APR 1958	5.5	7 JUN 1957	12	24 AUG 1961	16.5	22 OCT 1964	11	2 DEC 1965	8
21 FEB 1963	4.5	10 APR 1959	5.5	24 JUN 1957	11.5	1 AUG 1963	17	1 OCT 1965	14.5	3 DEC 1965	8
17 FEB 1965	2	26 APR 1960	5.5	4 JUN 1958	14.5	2 AUG 1963	17	2 OCT 1965	14.5	4 DEC 1965	8
1 FEB 1965	3	5 APR 1966	9.5	13 JUN 1958	13	3 AUG 1963	17	3 OCT 1965	14.5	5 DEC 1965	8
2 FEB 1965	3	6 APR 1966	9.5	19 JUN 1958	13	4 AUG 1963	16.5	4 OCT 1965	14.5	6 DEC 1965	8
3 FEB 1966	3	7 APR 1966	9.5	23 JUN 1958	13.5	5 AUG 1963	16.5	5 OCT 1965	14.5	7 DEC 1965	7
4 FEB 1966	3	8 APR 1966	9.5	17 JUN 1959	11	6 AUG 1963	16.5	6 OCT 1965	14.5	8 DEC 1965	7
5 FEB 1965	3	7 APR 1966	9.5	30 JUN 1959	11	7 AUG 1963	16.5	7 OCT 1965	14.5	9 DEC 1965	7
6 FEB 1966	3	7 APR 1966	10.5	25 JUN 1960	11.5	8 AUG 1963	16.5	8 OCT 1965	14.5	10 DEC 1965	7
7 FEB 1966	3	10 APR 1966	10	23 JUN 1960	11.5	9 AUG 1963	16.5	9 OCT 1965	14.5	11 DEC 1965	7
8 FEB 1965	3	11 APR 1966	10	30 JUN 1960	12	9 AUG 1963	18	10 OCT 1965	14	12 DEC 1965	7
10 FEB 1966	3	12 APR 1966	10	9 JUN 1962	7.5	10 AUG 1963	18	11 OCT 1965	14	13 DEC 1965	7
16 FEB 1966	3	13 APR 1966	10.5	13 JUN 1962	7.5	11 AUG 1963	18	12 OCT 1965	14	14 DEC 1965	7
18 FEB 1965	3	14 APR 1966	10.5	21 JUN 1964	9	12 AUG 1963	18	13 OCT 1965	14	15 DEC 1965	6
25 FEB 1965	3.5	15 APR 1966	10.5	21 JUN 1964	9	13 AUG 1963	18.5	15 OCT 1965	13.5	15 DEC 1965	5.5
12 FEB 1967	4	16 APR 1966	10.5	23 JUN 1965	11.5	14 AUG 1963	16.5	16 OCT 1965	13.5	17 DEC 1965	5
13 FEB 1967	3.5	17 APR 1966	11	1 JUN 1966	10.5	15 AUG 1963	16.5	18 OCT 1965	13.5	18 DEC 1965	4.5
23 FEB 1967	3.5	17 APR 1966	11	2 JUN 1966	9	16 AUG 1963	16.5	20 OCT 1965	13.5	19 DEC 1965	4.5
3 FEB 1964	3.5	19 APR 1966	11	3 JUN 1966	9.5	17 AUG 1963	16.5	21 OCT 1965	13	20 DEC 1965	4.5
10 FEB 1968	3.5	20 APR 1966	11.5	4 JUN 1965	9	18 AUG 1963	18.5	22 OCT 1965	11	21 DEC 1965	4.5
17 FEB 1963	3.5	21 APR 1966	11.5	5 JUN 1965	9	19 AUG 1963	18.5	22 OCT 1965	11	22 DEC 1965	4.5
27 FEB 1963	1.5	22 APR 1966	11.5	6 JUN 1966	11	20 AUG 1963	18.5	23 OCT 1965	13	23 DEC 1965	4.5
27 FEB 1966	4.5	23 APR 1966	11.5	7 JUN 1966	11	21 AUG 1963	18.5	24 OCT 1965	12	24 DEC 1965	4.5
3 FEB 1969	1.5	24 APR 1966	11.5	8 JUN 1966	9	22 AUG 1963	18.5	25 OCT 1965	12	25 DEC 1965	4
7 FEB 1969	1	25 APR 1966	11.5	6 JUN 1966	11	23 AUG 1963	17	26 OCT 1965	12	26 DEC 1965	4
9 FEB 1969	2	26 APR 1966	11.5	9 JUN 1966	10.5	24 AUG 1963	17	27 OCT 1965	12	27 DEC 1965	4
16 FEB 1969	2	27 APR 1966	6.5	10 JUN 1966	10.5	25 AUG 1963	17	28 OCT 1965	12	28 DEC 1965	4
24 FEB 1967	3	27 APR 1966	10.5	11 JUN 1966	11.5	26 AUG 1963	17	29 OCT 1965	12	29 DEC 1965	4
1 FEB 1970	3	28 APR 1966	12	12 JUN 1966	11.5	27 AUG 1963	17	30 OCT 1965	12	30 DEC 1965	3.5
9 FEB 1970	3.5	29 APR 1966	9.5	13 JUN 1966	10	28 AUG 1963	17	31 OCT 1965	11	31 DEC 1965	3.5
15 FEB 1970	3.5	30 APR 1966	9	14 JUN 1966	10	29 AUG 1963	16.5	6 OCT 1966	14.5	3 DEC 1966	7
20 FEB 1970	3.5	1 APR 1967	6	15 JUN 1966	10.5	30 AUG 1963	16.5	10 OCT 1966	14	10 DEC 1966	6.5
22 FEB 1970	3	3 APR 1967	7	16 JUN 1966	13.5	31 AUG 1963	15.5	20 OCT 1966	13	17 DEC 1966	6
7 FEB 1971	3	4 APR 1967	7	17 JUN 1966	12	1 AUG 1966	17	27 OCT 1966	11.5	25 DEC 1966	5.5
14 FEB 1971	3.5	5 APR 1967	8	18 JUN 1966	14	3 AUG 1966	17	7 OCT 1967	15	31 DEC 1966	4.5
21 FEB 1971	3.5	6 APR 1967	8	19 JUN 1966	14	4 AUG 1966	16.5	14 OCT 1967	14	3 DEC 1967	7
25 FEB 1971	3	8 APR 1967	8	20 JUN 1966	14.5	5 AUG 1966	16	22 OCT 1967	11.5	10 DEC 1967	6
5 FEB 1972	2	9 APR 1967	7	22 JUN 1966	14.5	7 AUG 1966	16.5	28 OCT 1967	11.5	16 DEC 1967	5.5
19 FEB 1972	3	10 APR 1967	7	23 JUN 1966	14.5	8 AUG 1966	16.5	1 OCT 1968	11	23 DEC 1967	5
26 FEB 1972	3.5	11 APR 1967	7	25 JUN 1966	14.5	9 AUG 1966	17	6 OCT 1969	14	30 DEC 1967	4.5
3 FEB 1973	3.5	12 APR 1967	7	26 JUN 1966	13.5	10 AUG 1966	17	16 OCT 1969	11.5	7 DEC 1969	7
10 FEB 1973	3	13 APR 1967	6.5	26 JUN 1966	13.5	11 AUG 1966	17	15 OCT 1969	12	1 JEC 1969	7
16 FEB 1974	3.5	14 APR 1967	7	27 JUN 1966	13.5	12 AUG 1966	17	4 OCT 1970	14	14 DEC 1969	6.5
25 FEB 1974	3.5	15 APR 1967	7	28 JUN 1966	13.5	14 AUG 1966	16.5	11 OCT 1970	13	21 DEC 1969	6
				29 JUN 1966	13.5	15 AUG 1966	16.5	19 OCT 1970	12	26 DEC 1969	5

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C								X				
15°C								X	X			
10°C								X	X	X	X	X
5°C								X	X	X	X	X
0°C								X	X	X	X	X

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 084E049
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

23 APR 1975	5.5	22 JUN 1968	12	31 AUG 1968	16.5
5 APR 1976	4.5	23 JUN 1968	13.5	1 AUG 1969	16.5
12 APR 1976	6	25 JUN 1968	14	4 AUG 1969	16.5
23 APR 1976	6	26 JUN 1968	15.5	9 AUG 1969	18
		27 JUN 1968	15	12 AUG 1969	17.5
		28 JUN 1968	11.5	16 AUG 1969	18.5
		29 JUN 1968	13	19 AUG 1969	17
		30 JUN 1968	13.5	23 AUG 1969	16
		1 JUN 1969	9	27 AUG 1969	17
		2 JUN 1969	9	30 AUG 1969	17
		3 JUN 1969	10	31 AUG 1969	17
		4 JUN 1969	11	5 AUG 1970	18
		5 JUN 1969	11	11 AUG 1970	18
		7 JUN 1969	11	18 AUG 1970	18.5
		9 JUN 1969	11.5	25 AUG 1970	18.5
		10 JUN 1969	11.5	1 AUG 1971	17
		11 JUN 1969	12	2 AUG 1971	20.5
		12 JUN 1969	11.5	3 AUG 1971	17
		13 JUN 1969	12	4 AUG 1971	16
		14 JUN 1969	11	5 AUG 1971	16
		15 JUN 1969	11	6 AUG 1971	16.5
		16 JUN 1969	11	8 AUG 1971	16.5
		17 JUN 1969	12	9 AUG 1971	17
		18 JUN 1969	13	10 AUG 1971	18.5
		19 JUN 1969	13.5	15 AUG 1971	17
		20 JUN 1969	15	17 AUG 1971	19
		21 JUN 1969	14	19 AUG 1971	19
		22 JUN 1969	14	20 AUG 1971	19
		23 JUN 1969	14	2 AUG 1972	14.5
		24 JUN 1969	14	4 AUG 1972	15
		25 JUN 1969	14.5	5 AUG 1972	15.5
		26 JUN 1969	13.5	7 AUG 1972	15.5
		27 JUN 1969	13	9 AUG 1972	16
		28 JUN 1969	12	11 AUG 1972	15.5
		29 JUN 1969	13	13 AUG 1972	16
		30 JUN 1969	13.5	15 AUG 1972	15.5
		1 JUN 1970	10	16 AUG 1972	16
		3 JUN 1970	10	20 AUG 1972	16.5
		4 JUN 1970	10.5	21 AUG 1972	16.5
		5 JUN 1970	11.5	24 AUG 1972	16.5
		10 JUN 1970	11.5	31 AUG 1972	16
		11 JUN 1970	11	1 AUG 1973	17
		13 JUN 1970	11	5 AUG 1973	15.5
		14 JUN 1970	10.5	7 AUG 1973	18
		21 JUN 1970	13	8 AUG 1973	17
		26 JUN 1970	13.5	15 AUG 1973	17
		28 JUN 1970	14	16 AUG 1973	16.5
		1 JUN 1971	9	20 AUG 1973	16.5
		3 JUN 1971	8.5	23 AUG 1973	16
		5 JUN 1971	7	27 AUG 1973	16.5
		4 JUN 1971	8	30 AUG 1973	16
				1 AUG 1974	16.5
				6 AUG 1974	16.5
				8 AUG 1974	18
				12 AUG 1974	16.5

COLUMBIA RIVER AT BIRKBEANK - STATION NO. 08R0049

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

4	JUN 1971	10.5	15	AUG 1974	15.5
5	JUN 1971	8.5	19	AUG 1974	16
6	JUN 1971	8.5	22	AUG 1974	16
7	JUN 1971	9	25	AUG 1974	17
8	JUN 1971	9	29	AUG 1974	18
9	JUN 1971	9	4	AUG 1975	18
10	JUN 1971	9	7	AUG 1975	18.5
11	JUN 1971	9.5	11	AUG 1975	18.5
12	JUN 1971	9.5	14	AUG 1975	18.5
13	JUN 1971	9.5	18	AUG 1975	16.5
14	JUN 1971	9.5	21	AUG 1975	16.5
15	JUN 1971	10	25	AUG 1975	16
16	JUN 1971	10	25	AUG 1975	17
17	JUN 1971	10.5	23	AUG 1975	16.5
18	JUN 1971	10.5	2	AUG 1976	15
19	JUN 1971	11	5	AUG 1976	14.5
20	JUN 1971	11	9	AUG 1976	14
21	JUN 1971	11	13	AUG 1976	14.5
22	JUN 1971	11	16	AUG 1976	14.5
23	JUN 1971	11	19	AUG 1976	13
24	JUN 1971	11	23	AUG 1976	14.5
25	JUN 1971	11.5	26	AUG 1976	14
1	JUN 1972	9.5	30	AUG 1976	14.5
2	JUN 1972	9.5			
3	JUN 1972	9			
4	JUN 1972	8.5			
5	JUN 1972	8			
6	JUN 1972	8.5			
7	JUN 1972	8			
8	JUN 1972	9			
9	JUN 1972	9.5			
10	JUN 1972	10			
11	JUN 1972	10			
12	JUN 1972	8.5			
13	JUN 1972	8			
14	JUN 1972	9			
15	JUN 1972	9			
16	JUN 1972	9			
17	JUN 1972	10			
18	JUN 1972	10			
19	JUN 1972	10			
20	JUN 1972	9.5			
21	JUN 1972	9.5			
22	JUN 1972	9.5			
23	JUN 1972	9.5			
24	JUN 1972	9.5			
25	JUN 1972	9			
26	JUN 1972	9			
27	JUN 1972	9			
28	JUN 1972	9.5			
29	JUN 1972	10.5			
30	JUN 1972	10.5			
1	JUN 1973	10.5			
2	JUN 1973	11			
3	JUN 1973	11			
4	JUN 1973	11.5			
5	JUN 1973	12			

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 08ME049

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

6 JUN 1973	12
7 JUN 1973	11.5
8 JUN 1973	11.5
9 JUN 1973	11
10 JUN 1973	11
11 JUN 1973	11
12 JUN 1973	11.5
13 JUN 1973	12
14 JUN 1973	11.5
15 JUN 1973	11
16 JUN 1973	11.5
17 JUN 1973	12
18 JUN 1973	11.5
19 JUN 1973	11
20 JUN 1973	11.5
21 JUN 1973	12
22 JUN 1973	12.5
23 JUN 1973	13
24 JUN 1973	12.5
26 JUN 1973	14
29 JUN 1973	14.5
30 JUN 1973	15
1 JUN 1974	10
2 JUN 1974	10
3 JUN 1974	10
4 JUN 1974	9
5 JUN 1974	9.5
6 JUN 1974	9
7 JUN 1974	10
8 JUN 1974	10
9 JUN 1974	10
10 JUN 1974	10.5
11 JUN 1974	11
12 JUN 1974	11
13 JUN 1974	11
14 JUN 1974	11
17 JUN 1974	11
18 JUN 1974	11.5
19 JUN 1974	12
20 JUN 1974	12
21 JUN 1974	12
24 JUN 1974	11
25 JUN 1974	11
26 JUN 1974	12
1 JUN 1975	9.5
2 JUN 1975	9.5
3 JUN 1975	9.5
4 JUN 1975	10
5 JUN 1975	10.5
6 JUN 1975	11
7 JUN 1975	10
8 JUN 1975	10
9 JUN 1975	10
10 JUN 1975	10.5
11 JUN 1975	11.5

COLUMBIA RIVER AT BIRCHBANK - STATION NO. 064E049
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

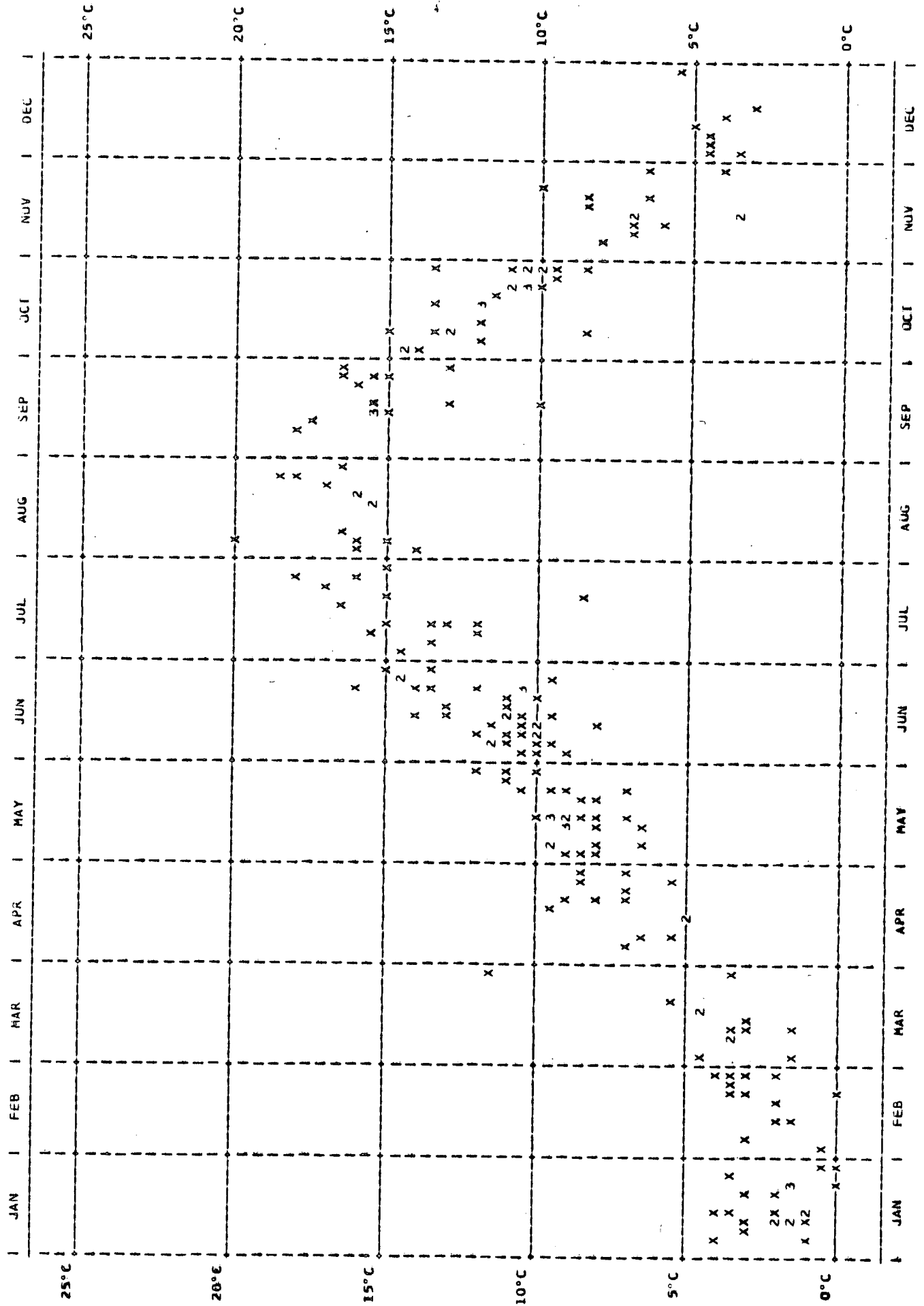
12 JUN 1975	11.5
13 JUN 1975	11.5
14 JUN 1975	11.5
15 JUN 1975	11.5
16 JUN 1975	11.5
17 JUN 1975	12
18 JUN 1975	12
19 JUN 1975	12
20 JUN 1975	12
21 JUN 1975	13
22 JUN 1975	12
23 JUN 1975	12
24 JUN 1975	11.5
25 JUN 1975	11
26 JUN 1975	11
27 JUN 1975	11
28 JUN 1975	11
29 JUN 1975	11
30 JUN 1975	11
1 JUN 1976	8
2 JUN 1976	8
3 JUN 1976	7
4 JUN 1976	6
5 JUN 1976	8.5
6 JUN 1976	9.5
7 JUN 1976	9.5
8 JUN 1976	10
9 JUN 1976	10
10 JUN 1976	10
11 JUN 1976	10
12 JUN 1976	10
13 JUN 1976	9.5
14 JUN 1976	10
15 JUN 1976	10.5
16 JUN 1976	10
17 JUN 1976	10
18 JUN 1976	10
19 JUN 1976	10
20 JUN 1976	10.5
21 JUN 1976	10.5
22 JUN 1976	10
23 JUN 1976	11
24 JUN 1976	11.5
25 JUN 1976	11.5
26 JUN 1976	12
27 JUN 1976	11.5
28 JUN 1976	12
29 JUN 1976	12
30 JUN 1976	13.5

COLUMBIA RIVER AT CASTLEBAR - STATION NO. 08NE002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

6 JAN 1952	2							25 JUL 1951	13.5				4 NOV 1949	9.5
21 JAN 1952	1.5	6 MAR 1950	1.5	10 MAY 1950	7	16 MAY 1950	7	15 JUL 1951	13.5	5 SEP 1951	16	14 NOV 1950	9	
11 JAN 1960	3.5	13 MAR 1950	1	31 MAY 1951	9.5	31 MAY 1952	10	15 JUL 1952	13.5	24 SEP 1951	15.5	26 NOV 1951	7	
18 JAN 1960	3	14 MAR 1950	2	25 MAY 1952	8.5	25 MAY 1953	9.5	5 JUL 1952	11	16 SEP 1952	16	25 NOV 1951	6.5	
12 JAN 1966	4.5	23 MAR 1952	3.5	30 MAY 1952	11	12 MAR 1958	4.5	6 JUL 1952	10.5	27 SEP 1952	12	26 NOV 1958	6.5	
14 JAN 1967	5	14 MAR 1958	4.5	12 MAY 1964	9.5	14 MAR 1958	3	8 JUL 1952	11.5	18 SEP 1952	14.5	1 NOV 1958	9.5	
		4 MAR 1959	3	13 MAY 1964	9	4 MAR 1959	4.5	10 JUL 1952	11.5	13 SEP 1952	11	1 NOV 1959	7	
		15 MAR 1962	3.5	10 MAY 1965	8.5	15 MAR 1962	3.5	11 JUL 1952	11.5			22 NOV 1959	10	
		24 MAR 1966	4.5	13 MAY 1967	8.5	24 MAR 1966	4.5	19 JUL 1952	12			15 NOV 1960	10	
		18 MAR 1967	4.5	18 MAY 1967	10	18 MAR 1967	4.5	26 JUL 1952	15			4 NOV 1964	10	
		15 MAR 1973	4.5	29 MAY 1967	10	15 MAR 1973	4.5	29 JUL 1952	13.5			15 NOV 1966	9.5	
				7 MAY 1969	5.5			31 JUL 1952	14			17 NOV 1967	9.5	
				16 MAY 1975	10			10 JUL 1960	12					
								24 JUL 1960	14					
								31 JUL 1960	14					
								15 JUL 1961	15					
								2 JUL 1964	10.5					
								11 JUL 1967	13.5					
								19 JUL 1967	14.5					
								3 JUL 1968	14.5					
								13 JUL 1968	11					
24 FEB 1950	0.5	6 APR 1950	3.5	6 JUN 1950	5.5	6 APR 1950	5.5	3 AUG 1950	15	28 OCT 1952	11.5	13 DEC 1949	6	
5 FEB 1952	2	17 APR 1951	4.5	19 JUN 1952	10	17 APR 1951	4.5	5 AUG 1951	15.5	17 OCT 1961	13	13 DEC 1950	5.5	
24 FEB 1959	2	3 APR 1957	3.5	24 JUN 1953	9.5	3 APR 1957	3.5	31 AUG 1951	16	9 OCT 1963	14.5	9 DEC 1957	5.5	
17 FEB 1965	3.5	25 APR 1960	5	4 JUN 1953	5.5	25 APR 1960	5	5 AUG 1952	15.5	11 OCT 1967	14	11 DEC 1958	5	
		4 APR 1974	5.5	5 JUN 1959	3.5	4 APR 1974	5.5	2 AUG 1959	14			16 DEC 1960	6	
				6 JUN 1959	3.5			4 AUG 1959	13.5			19 DEC 1969	6.5	
				7 JUN 1959	8			7 AUG 1959	14					
				14 JUN 1959	9.5			10 AUG 1959	15					
				15 JUN 1959	10.5			12 AUG 1959	15					
				18 JUN 1959	10.5			14 AUG 1959	14.5					
				20 JUN 1959	10.5			16 AUG 1959	14					
				21 JUN 1959	10			17 AUG 1959	14.5					
				22 JUN 1959	11			20 AUG 1959	14.5					
				23 JUN 1959	11			24 AUG 1959	14.5					
				25 JUN 1959	11.5			30 AUG 1959	13.5					
				28 JUN 1959	10			31 AUG 1959	14					
				19 JUN 1960	10			7 AUG 1960	14					
				2 JUN 1967	10			13 AUG 1963	15.5					
				5 JUN 1967	10			4 AUG 1967	15					
				7 JUN 1967	10									
				9 JUN 1967	10									
				13 JUN 1967	10									
				23 JUN 1967	10									
				10 JUN 1969	10.5									

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C								X				
15°C						X	X	X	X	X		
10°C					X	X	X	X	X	X	X	X
5°C					X	X	X	X	X	X	X	X
0°C	X	X	X	X	X	X	X	X	X	X	X	X

25°C

20°C

15°C

10°C

5°C

0°C

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

COLUMBIA RIVER AT NICHOLSON - STATION NO. 08-A4002

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

10 JAN 1953	1	12 MAR 1957	0	1 MAY 1949	6.5	15 JUL 1952	15	16 SEP 1954	10.5	13 NOV 1949	1.5
7 JAN 1954	0	11 MAR 1958	0	25 MAY 1950	10	8 JUL 1954	15	26 SEP 1955	10.5	15 NOV 1955	0
22 JAN 1957	0	6 MAR 1961	0	5 MAY 1952	7	17 JUL 1956	16.5	10 SEP 1962	10	1 NOV 1961	4
13 JAN 1958	0	17 MAR 1964	0.5	30 MAY 1952	10	10 JUL 1957	13.5	29 SEP 1965	6	20 NOV 1968	1.5
7 JAN 1961	0	2 MAR 1965	0	11 MAY 1955	7	1 JUL 1959	14.5	26 SEP 1966	11	8 NOV 1971	0.5
28 JAN 1964	0	26 MAR 1968	4	14 MAY 1957	9.5	31 JUL 1961	14.5	29 SEP 1970	9.5	22 NOV 1972	0.5
26 JAN 1965	0.5	4 MAR 1969	0.5	8 MAY 1958	11	16 JUL 1968	18	28 SEP 1971	9	15 NOV 1974	0.5
7 JAN 1967	0.5	10 MAR 1971	0.5	1 MAY 1961	15	22 JUL 1970	14.5	1 SEP 1972	11.5	6 NOV 1975	4.5
29 JAN 1969	0	8 MAR 1972	0	17 MAY 1965	6.5	6 JUL 1971	13	20 SEP 1972	9	7 NOV 1975	4
26 JAN 1971	0.5	22 MAR 1973	0.5	16 MAY 1968	14.5	27 JUL 1971	16.5	10 SEP 1973	13	21 NOV 1975	0
13 JAN 1972	0	7 MAR 1974	0	22 MAY 1968	13	14 JUL 1972	13	18 SEP 1973	9	12 NOV 1976	1.5
10 JAN 1973	1	27 MAR 1974	1	2 MAY 1969	8	12 JUL 1973	13	4 SEP 1974	11.5		
31 JAN 1973	0	26 MAR 1975	0	21 MAY 1969	12	25 JUL 1973	13.5	22 SEP 1975	10.5		
11 JAN 1974	0	2 MAR 1976	0	7 MAY 1970	12	4 JUL 1974	13				
1 JAN 1975	0			27 MAY 1971	9.5	23 JUL 1974	13.5				
8 JAN 1975	0			17 MAY 1972	6.5	7 JUL 1975	14				
16 JAN 1976	0.5			30 MAY 1972	10.5	9 JUL 1976	13				
				9 MAY 1973	8.5	14 JUL 1976	13.5				
				25 MAY 1973	9						
				25 MAY 1973	9						
				10 MAY 1974	7						
				17 MAY 1974	7						
				27 MAY 1974	10						
				16 MAY 1975	10.5						
				28 MAY 1975	8.5						

COLUMBIA RIVER AT REVELLSBUKE - STATION NO. 03ND002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

1	JAN 1968	0	1	MAY 1968	5.5	1	JUL 1967	4.5	1	SEP 1967	5.5	1	NOV 1967	4.5
2	JAN 1968	0	2	MAY 1968	5.5	2	JUL 1967	4.5	2	SEP 1967	6.5	2	NOV 1967	3.5
3	JAN 1968	0	3	MAY 1968	5.5	3	JUL 1967	4.5	3	SEP 1967	5.5	3	NOV 1967	3.5
4	JAN 1968	0	4	MAY 1968	6	4	JUL 1967	4.5	4	SEP 1967	4.5	4	NOV 1967	4.5
5	JAN 1968	0	5	MAY 1968	5.5	5	JUL 1967	5.5	5	SEP 1967	8	5	NOV 1967	5.5
6	JAN 1968	0	6	MAY 1968	6	6	JUL 1967	5.5	6	SEP 1967	6.5	6	NOV 1967	6.5
7	JAN 1968	0	7	MAY 1968	6.5	7	JUL 1967	5.5	7	SEP 1967	6.5	7	NOV 1967	0
8	JAN 1968	0	8	MAY 1968	6.5	8	JUL 1967	5.5	8	SEP 1967	5.5	8	NOV 1967	0.5
9	JAN 1968	0	9	MAY 1968	6.5	9	JUL 1967	5.5	9	SEP 1967	5.5	9	NOV 1967	4
10	JAN 1968	0	10	MAY 1968	7	10	JUL 1967	5.5	10	SEP 1967	5.5	10	NOV 1967	4.5
11	JAN 1968	0	11	MAY 1968	8	11	JUL 1967	4.5	11	SEP 1967	5.5	11	NOV 1967	4
12	JAN 1968	0	12	MAY 1968	8	12	JUL 1967	4.5	12	SEP 1967	4.5	12	NOV 1967	4
13	JAN 1968	0	13	MAY 1968	8	13	JUL 1967	4.5	13	SEP 1967	4.5	13	NOV 1967	5
14	JAN 1968	0	14	MAY 1968	8	14	JUL 1967	4.5	14	SEP 1967	4.5	14	NOV 1967	4.5
15	JAN 1968	0	15	MAY 1968	8	15	JUL 1967	4.5	15	SEP 1967	4.5	15	NOV 1967	5
16	JAN 1968	0	16	MAY 1968	8	16	JUL 1967	4.5	16	SEP 1967	4.5	16	NOV 1967	5.5
17	JAN 1968	0	17	MAY 1968	8	17	JUL 1967	4.5	17	SEP 1967	4.5	17	NOV 1967	4.5
18	JAN 1968	0	18	MAY 1968	8	18	JUL 1967	4.5	18	SEP 1967	4.5	18	NOV 1967	4
19	JAN 1968	0	19	MAY 1968	8	19	JUL 1967	4.5	19	SEP 1967	4.5	19	NOV 1967	5
20	JAN 1968	0	20	MAY 1968	8	20	JUL 1967	4.5	20	SEP 1967	4.5	20	NOV 1967	5
21	JAN 1968	0	21	MAY 1968	8	21	JUL 1967	4.5	21	SEP 1967	4.5	21	NOV 1967	2
22	JAN 1968	0	22	MAY 1968	8	22	JUL 1967	4.5	22	SEP 1967	4.5	22	NOV 1967	3.5
23	JAN 1968	0	23	MAY 1968	8	23	JUL 1967	4.5	23	SEP 1967	4.5	23	NOV 1967	0
24	JAN 1968	0	24	MAY 1968	8	24	JUL 1967	4.5	24	SEP 1967	4.5	24	NOV 1967	0
25	JAN 1968	0	25	MAY 1968	8	25	JUL 1967	4.5	25	SEP 1967	4.5	25	NOV 1967	0
26	JAN 1968	0	26	MAY 1968	8	26	JUL 1967	4.5	26	SEP 1967	4.5	26	NOV 1967	0
27	JAN 1968	0	27	MAY 1968	8	27	JUL 1967	4.5	27	SEP 1967	4.5	27	NOV 1967	0
28	JAN 1968	0	28	MAY 1968	8	28	JUL 1967	4.5	28	SEP 1967	4.5	28	NOV 1967	0
29	JAN 1968	0	29	MAY 1968	8	29	JUL 1967	4.5	29	SEP 1967	4.5	29	NOV 1967	0
30	JAN 1968	0	30	MAY 1968	8	30	JUL 1967	4.5	30	SEP 1967	4.5	30	NOV 1967	0
31	JAN 1969	0	1	MAY 1969	8	1	JUL 1968	4.5	1	SEP 1968	11.5	1	NOV 1968	4.5
2	JAN 1969	0	2	MAY 1969	8	2	JUL 1968	4.5	2	SEP 1968	11.5	2	NOV 1968	3.5
3	JAN 1969	0	3	MAY 1969	8	3	JUL 1968	4.5	3	SEP 1968	11.5	3	NOV 1968	3.5
4	JAN 1969	0	4	MAY 1969	8	4	JUL 1968	4.5	4	SEP 1968	11.5	4	NOV 1968	3.5
5	JAN 1969	0	5	MAY 1969	8	5	JUL 1968	4.5	5	SEP 1968	11.5	5	NOV 1968	3.5
6	JAN 1969	0	6	MAY 1969	8	6	JUL 1968	4.5	6	SEP 1968	11.5	6	NOV 1968	3.5
7	JAN 1969	0	7	MAY 1969	8	7	JUL 1968	4.5	7	SEP 1968	11.5	7	NOV 1968	3.5
8	JAN 1969	0	8	MAY 1969	8	8	JUL 1968	4.5	8	SEP 1968	11.5	8	NOV 1968	3
9	JAN 1969	0	9	MAY 1969	8	9	JUL 1968	4.5	9	SEP 1968	11.5	9	NOV 1968	3
10	JAN 1969	0	10	MAY 1969	8	10	JUL 1968	4.5	10	SEP 1968	11.5	10	NOV 1968	3
11	JAN 1969	0	11	MAY 1969	8	11	JUL 1968	4.5	11	SEP 1968	11.5	11	NOV 1968	3
12	JAN 1969	0	12	MAY 1969	8	12	JUL 1968	4.5	12	SEP 1968	11.5	12	NOV 1968	3
13	JAN 1969	0	13	MAY 1969	8	13	JUL 1968	4.5	13	SEP 1968	11.5	13	NOV 1968	3
14	JAN 1969	0	14	MAY 1969	8	14	JUL 1968	4.5	14	SEP 1968	11.5	14	NOV 1968	3
15	JAN 1969	0	15	MAY 1969	8	15	JUL 1968	4.5	15	SEP 1968	11.5	15	NOV 1968	3
16	JAN 1969	0	16	MAY 1969	8	16	JUL 1968	4.5	16	SEP 1968	11.5	16	NOV 1968	3
17	JAN 1969	0	17	MAY 1969	8	17	JUL 1968	4.5	17	SEP 1968	11.5	17	NOV 1968	3
18	JAN 1969	0	18	MAY 1969	8	18	JUL 1968	4.5	18	SEP 1968	11.5	18	NOV 1968	3
19	JAN 1969	0	19	MAY 1969	8	19	JUL 1968	4.5	19	SEP 1968	11.5	19	NOV 1968	3
20	JAN 1969	0	20	MAY 1969	8	20	JUL 1968	4.5	20	SEP 1968	11.5	20	NOV 1968	3
21	JAN 1969	0	21	MAY 1969	8	21	JUL 1968	4.5	21	SEP 1968	11.5	21	NOV 1968	3
22	JAN 1969	0	22	MAY 1969	8	22	JUL 1968	4.5	22	SEP 1968	11.5	22	NOV 1968	3
23	JAN 1969	0	23	MAY 1969	8	23	JUL 1968	4.5	23	SEP 1968	11.5	23	NOV 1968	3
24	JAN 1969	0	24	MAY 1969	8	24	JUL 1968	4.5	24	SEP 1968	11.5	24	NOV 1968	3

COLUMBIA RIVER AT REVELSBOKE - STATION NO. 08ND002

SP-1 OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

21 JAN 1976	2									11 MAY 1973	0.5					11 JUL 1972	10.5		23 SEP 1972		16 NOV 1972		3.5
22 JAN 1976	1.5									12 MAY 1973	7					12 JUL 1972	10		24 SEP 1972		17 NOV 1972		3.5
23 JAN 1976	1.5									13 MAY 1973	0					13 JUL 1972	9.5		25 SEP 1972		18 NOV 1972		3.5
24 JAN 1976	2									14 MAY 1973	0					14 JUL 1972	9.5		26 SEP 1972		19 NOV 1972		3.5
25 JAN 1976	2									15 MAY 1973	8					15 JUL 1972	10		27 SEP 1972		20 NOV 1972		3
26 JAN 1976	2									16 MAY 1973	0.5					15 JUL 1972	10.5		28 SEP 1972		21 NOV 1972		2
27 JAN 1976	2									17 MAY 1973	0.5					17 JUL 1972	10.5		29 SEP 1972		22 NOV 1972		1.5
28 JAN 1976	2									18 MAY 1973	7					18 JUL 1972	11		30 SEP 1972		23 NOV 1972		1
29 JAN 1976	2.5									19 MAY 1973	7					19 JUL 1972	11		1 SEP 1973		24 NOV 1972		1
30 JAN 1976	2.5									20 MAY 1973	7					20 JUL 1972	11.5		2 SEP 1973		25 NOV 1972		1
31 JAN 1976	2.5									22 MAY 1973	7					22 JUL 1972	11.5		4 SEP 1973		26 NOV 1972		1
										23 MAY 1973	0.5					23 JUL 1972	11.5		5 SEP 1973		27 NOV 1972		1
										24 MAY 1973	0					24 JUL 1972	11.5		6 SEP 1973		28 NOV 1972		1
										25 MAY 1973	0.5					25 JUL 1972	11.5		7 SEP 1973		30 NOV 1972		1
										26 MAY 1973	6					26 JUL 1972	11.5		8 SEP 1973		1 NOV 1973		8
										26 MAY 1973	6					26 JUL 1972	11.5		9 SEP 1973		2 NOV 1973		8
										28 MAY 1973	7					27 JUL 1972	12		10 SEP 1973		3 NOV 1973		7
										29 MAY 1973	7.5					29 JUL 1972	12		11 SEP 1973		4 NOV 1973		7
										30 MAY 1973	8.5					30 JUL 1972	12		12 SEP 1973		5 NOV 1973		7
										31 MAY 1973	8.5					31 JUL 1972	11.5		13 SEP 1973		6 NOV 1973		5.5
										1 MAY 1974	4.5					1 JUL 1973	9		14 SEP 1973		7 NOV 1973		6.5
										2 MAY 1974	4					2 JUL 1973	9		15 SEP 1973		8 NOV 1973		7
										3 MAY 1974	4.5					3 JUL 1973	9		16 SEP 1973		9 NOV 1973		7
										4 MAY 1974	4.5					4 JUL 1973	9.5		17 SEP 1973		10 NOV 1973		6.5
										5 MAY 1974	4.5					5 JUL 1973	8		18 SEP 1973		11 NOV 1973		6.5
										6 MAY 1974	4.5					6 JUL 1973	8.5		19 SEP 1973		12 NOV 1973		6.5
										7 MAY 1974	5					7 JUL 1973	8.5		20 SEP 1973		13 NOV 1973		6.5
										8 MAY 1974	5					8 JUL 1973	9		21 SEP 1973		14 NOV 1973		6.5
										9 MAY 1974	5.5					9 JUL 1973	9.5		22 SEP 1973		15 NOV 1973		6.5
										10 MAY 1974	5.5					10 JUL 1973	9.5		23 SEP 1973		16 NOV 1973		6.5
										11 MAY 1974	5.5					11 JUL 1973	10.5		24 SEP 1973		17 NOV 1973		6
										12 MAY 1974	5.5					12 JUL 1973	10.5		25 SEP 1973		18 NOV 1973		5.5
										13 MAY 1974	0					13 JUL 1973	10.5		26 SEP 1973		19 NOV 1973		5.5
										14 MAY 1974	5.5					14 JUL 1973	10.5		27 SEP 1973		20 NOV 1973		5.5
										15 MAY 1974	5.5					15 JUL 1973	10.5		28 SEP 1973		21 NOV 1973		5.5
										16 MAY 1974	5.5					16 JUL 1973	11		29 SEP 1973		22 NOV 1973		6
										17 MAY 1974	6					17 JUL 1973	10.5		30 SEP 1973		23 NOV 1973		6
										18 MAY 1974	6					18 JUL 1973	10.5		1 SEP 1974		24 NOV 1973		6
										19 MAY 1974	6					19 JUL 1973	9.5		2 SEP 1974		25 NOV 1973		6.5
										20 MAY 1974	7					20 JUL 1973	10.5		3 SEP 1974		26 NOV 1973		6
										21 MAY 1974	6					21 JUL 1973	10		4 SEP 1974		27 NOV 1973		5.5
										22 MAY 1974	7					22 JUL 1973	9		5 SEP 1974		28 NOV 1973		5.5
										23 MAY 1974	8					23 JUL 1973	8.5		6 SEP 1974		29 NOV 1973		5
										24 MAY 1974	6.5					24 JUL 1973	8.5		7 SEP 1974		30 NOV 1973		4
										25 MAY 1974	5.5					25 JUL 1973	9		8 SEP 1974		1 NOV 1974		5.5
										26 MAY 1974	5.5					26 JUL 1973	9		9 SEP 1974		4 NOV 1974		6
										27 MAY 1974	5					27 JUL 1973	9.5		10 SEP 1974		5 NOV 1974		6.5
										28 MAY 1974	5					28 JUL 1973	9.5		11 SEP 1974		6 NOV 1974		6
										29 MAY 1974	5.5					29 JUL 1973	9.5		12 SEP 1974		7 NOV 1974		5.5
										30 MAY 1974	6					30 JUL 1973	10.5		13 SEP 1974		8 NOV 1974		5.5
										31 MAY 1974	6					31 JUL 1973	10		14 SEP 1974		9 NOV 1974		5
										1 MAY 1975	5.5					1 JUL 1974	7		15 SEP 1974		10 NOV 1974		5
										2 MAY 1975	5.5					2 JUL 1974	6.5		16 SEP 1974		11 NOV 1974		5.5
										3 MAY 1975	6					3 JUL 1974	6		17 SEP 1974		12 NOV 1974		4.5
										4 MAY 1975	5					4 JUL 1974	6		18 SEP 1974		13 NOV 1974		4.5

COLUMBIA RIVER AT REVELLSBUKE - STATION NO. 03ND0002

SPJT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

6 MAR 1976	1.5	6 MAY 1975	6.5	4 JUL 1974	6.5	18 SEP 1974	9	15 NOV 1974	4
7 MAR 1976	1.5	7 MAY 1975	6	5 JUL 1974	7	19 SEP 1974	9	16 NOV 1974	3.5
8 MAR 1976	1.5	8 MAY 1975	7	6 JUL 1974	7	20 SEP 1974	9.5	17 NOV 1974	3.5
9 MAR 1976	1.5	9 MAY 1975	6	7 JUL 1974	7	21 SEP 1974	9.5	20 NOV 1974	3.5
10 MAR 1976	1.5	12 MAY 1975	6	8 JUL 1974	6.5	22 SEP 1974	9	21 NOV 1974	3
11 MAR 1976	1.5	13 MAY 1975	5	9 JUL 1974	7	23 SEP 1974	9	22 NOV 1974	4.5
12 MAR 1976	1.5	14 MAY 1975	6	10 JUL 1974	7	24 SEP 1974	9	23 NOV 1974	4.5
13 MAR 1976	1.5	15 MAY 1975	6	11 JUL 1974	7	25 SEP 1974	8.5	24 NOV 1974	4.5
14 MAR 1976	2	16 MAY 1975	6	12 JUL 1974	7	26 SEP 1974	8.5	25 NOV 1974	4
15 MAR 1976	2	19 MAY 1975	6	13 JUL 1974	8.5	27 SEP 1974	8	26 NOV 1974	4
16 MAR 1976	2.5	20 MAY 1975	8	14 JUL 1974	8.5	28 SEP 1974	8	27 NOV 1974	4.5
17 MAR 1976	2.5	21 MAY 1975	8	15 JUL 1974	9	29 SEP 1974	8	28 NOV 1974	4
18 MAR 1976	2.5	22 MAY 1975	8	16 JUL 1974	8.5	30 SEP 1974	8	29 NOV 1974	4.5
19 MAR 1976	2.5	23 MAY 1975	8	17 JUL 1974	6.5	1 SEP 1975	10.5	3 NOV 1975	3
20 MAR 1976	3	24 MAY 1975	8.5	18 JUL 1974	7	2 SEP 1975	10	4 NOV 1975	4.5
21 MAR 1976	3	26 MAY 1975	8	19 JUL 1974	9	3 SEP 1975	10	5 NOV 1975	4.5
22 MAR 1976	3	27 MAY 1975	8	20 JUL 1974	9	4 SEP 1975	9.5	6 NOV 1975	4
23 MAR 1976	3	28 MAY 1975	9	21 JUL 1974	8	5 SEP 1975	10	8 NOV 1975	3.5
24 MAR 1976	3	29 MAY 1975	9	22 JUL 1974	8.5	6 SEP 1975	10	9 NOV 1975	3.5
25 MAR 1976	3.5	30 MAY 1975	8.5	23 JUL 1974	8.5	7 SEP 1975	10	10 NOV 1975	3
26 MAR 1976	3.5	31 MAY 1975	8.5	24 JUL 1974	8.5	8 SEP 1975	11	11 NOV 1975	4
27 MAR 1976	3.5	1 MAY 1976	8.5	25 JUL 1974	8.5	9 SEP 1975	9.5	12 NOV 1975	1.5
28 MAR 1976	3.5	2 MAY 1976	6	26 JUL 1974	8.5	10 SEP 1975	11.5	13 NOV 1975	2
29 MAR 1976	4	3 MAY 1976	5	27 JUL 1974	9	11 SEP 1975	9.5	14 NOV 1975	3
30 MAR 1976	4	4 MAY 1976	5.5	28 JUL 1974	9	12 SEP 1975	9.5	15 NOV 1975	4
31 MAR 1976	4	5 MAY 1976	6	29 JUL 1974	10	13 SEP 1975	11	16 NOV 1975	4
		6 MAY 1976	6.5	30 JUL 1974	10.5	14 SEP 1975	11	17 NOV 1975	4
		7 MAY 1976	6.5	31 JUL 1974	10.5	15 SEP 1975	11	18 NOV 1975	4
		8 MAY 1976	7	1 JUL 1975	10.5	16 SEP 1975	10.5	19 NOV 1975	4.5
		9 MAY 1976	7	2 JUL 1975	10.5	17 SEP 1975	10.5	20 NOV 1975	4
		10 MAY 1976	6.5	3 JUL 1975	10.5	18 SEP 1975	10	21 NOV 1975	3.5
		11 MAY 1976	5	4 JUL 1975	10	19 SEP 1975	10	24 NOV 1975	3
		12 MAY 1976	5.5	5 JUL 1975	11	20 SEP 1975	8.5	25 NOV 1975	3
		13 MAY 1976	5.5	6 JUL 1975	11	21 SEP 1975	8.5	26 NOV 1975	3
		14 MAY 1976	5.5	7 JUL 1975	10	22 SEP 1975	6.5	27 NOV 1975	2
		15 MAY 1976	5.5	8 JUL 1975	11.5	23 SEP 1975	6.5	29 NOV 1975	2
		16 MAY 1976	5.5	9 JUL 1975	11.5	24 SEP 1975	6.5	29 NOV 1975	2
		17 MAY 1976	5.5	10 JUL 1975	11	25 SEP 1975	6.5	30 NOV 1975	2
		18 MAY 1976	5.5	11 JUL 1975	11	26 SEP 1975	6.5	1 NOV 1976	7
		19 MAY 1976	7	12 JUL 1975	11	27 SEP 1975	6.5	2 NOV 1976	7
		20 MAY 1976	6.5	13 JUL 1975	11	28 SEP 1975	8.5	3 NOV 1976	7
		21 MAY 1976	7	14 JUL 1975	10.5	29 SEP 1975	8.5	4 NOV 1976	7
		22 MAY 1976	7	15 JUL 1975	9.5	30 SEP 1975	10.5	5 NOV 1976	7.5
		23 MAY 1976	7	16 JUL 1975	9.5	1 SEP 1976	10.5	6 NOV 1976	7.5
		24 MAY 1976	6	17 JUL 1975	9.5	2 SEP 1976	10	7 NOV 1976	8
		25 MAY 1976	5.5	18 JUL 1975	9.5	3 SEP 1976	9.5	8 NOV 1976	7.5
		26 MAY 1976	5.5	19 JUL 1975	11	4 SEP 1976	10	9 NOV 1976	7.5
		27 MAY 1976	5.5	20 JUL 1975	11	5 SEP 1976	9.5	10 NOV 1976	7
		28 MAY 1976	5.5	21 JUL 1975	11	6 SEP 1976	9.5	11 NOV 1976	7
		29 MAY 1976	5.5	22 JUL 1975	11	7 SEP 1976	10	12 NOV 1976	6.5
		30 MAY 1976	6	23 JUL 1975	11	8 SEP 1976	10	13 NOV 1976	6.5
		31 MAY 1976	5	24 JUL 1975	8	9 SEP 1976	10.5	14 NOV 1976	6.5
				25 JUL 1975	10	10 SEP 1976	10	15 NOV 1976	6
				26 JUL 1975	10	11 SEP 1976	10	16 NOV 1976	6
				27 JUL 1975	10	12 SEP 1976	10.5	17 NOV 1976	6.5
								18 NOV 1976	6

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C												
0°C												

25°C

20°C

15°C

10°C

5°C

0°C

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

2 X2
 2X2X4X27123X2
 X X 444X1285422
 X 2 XX3X2
 X X 3 223164475467612
 X2X221X163243566133X425533514423X
 XX44X5146X58302 X133X7585534195334 X X
 X2XX225216635453XX11X2223XX2281256273X224
 X43XX2-X--2232X-X-55+326-445665+6666204-X+3X-X
 3 14X242674X21XX245XX33153X2X22 35143X25583331X2XX2X
 X X X51X3334335615X2 X 233X 23XX 3 32 55999861237422 X
 X X8338146642223X1 2XX3X442
 XX X 21X X 53468612324642 3X1 2 XX XX
 51X X 2241X222 242 1X 2X
 X X 12X43328523153X665342X15223 X
 2 X 32135447242X 2X5X 341XX X
 3X X54214715553331752 XX 1X
 X 34X5524186882 X331
 234-63388+XX53-X
 X X X1 XX22 22 157X3576646156 2X
 X3222XX1 X21X XX XX8613332 23X
 X 2X 1X 43X71X 2X43
 3 XX3X 21 2X
 3X3X14 X3 251X 2XX X212 XXX
 2 2 X1 2 2 414233X X 1X X
 622354321XX X2 2331X 3
 1X XX X1 33238463513333X
 +666666666+666666666+666666666+666666666+

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

COLUMBIA RIVER AT REVELSTOCK - STATION NO. 03R06U02
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

25	FEB	1968	4.5	1	JUN	1967	4.0	1	AUG	1967	5.5	1	OCT	1967	5.5	1	DEC	1967	0
26	FEB	1968	3.5	2	JUN	1967	3.5	2	AUG	1967	5.5	3	OCT	1967	5.5	4	DEC	1967	0
27	FEB	1968	0.5	3	JUN	1967	3.5	3	AUG	1967	5.5	4	OCT	1967	4.5	5	DEC	1967	0
28	FEB	1968	0	4	JUN	1967	3.5	4	AUG	1967	5.5	5	OCT	1967	5.5	6	DEC	1967	0
29	FEB	1968	3.5	5	JUN	1967	3.5	5	AUG	1967	5.5	6	OCT	1967	4.5	7	DEC	1967	0.5
1	FEB	1969	0	6	JUN	1967	4.5	6	AUG	1967	5.5	7	OCT	1967	4.5	8	DEC	1967	0.5
2	FEB	1969	0	7	JUN	1967	4.5	7	AUG	1967	5.5	8	OCT	1967	4.5	9	DEC	1967	0.5
3	FEB	1969	0	8	JUN	1967	4.5	8	AUG	1967	5.5	9	OCT	1967	4.5	10	DEC	1967	0
4	FEB	1969	0	9	JUN	1967	4.5	9	AUG	1967	5.5	10	OCT	1967	4.5	11	DEC	1967	0.5
5	FEB	1969	0	10	JUN	1967	3.5	10	AUG	1967	5.5	11	OCT	1967	4.5	12	DEC	1967	0
6	FEB	1969	0	11	JUN	1967	4.5	11	AUG	1967	5.5	12	OCT	1967	4	13	DEC	1967	0
7	FEB	1969	0	12	JUN	1967	3.5	12	AUG	1967	6.5	13	OCT	1967	4	14	DEC	1967	0
8	FEB	1969	0	13	JUN	1967	4.5	13	AUG	1967	6.5	14	OCT	1967	6	15	DEC	1967	0
9	FEB	1969	0	14	JUN	1967	4.5	14	AUG	1967	5.5	15	OCT	1967	4.5	16	DEC	1967	0
10	FEB	1969	0	15	JUN	1967	3	15	AUG	1967	5.5	16	OCT	1967	4.5	17	DEC	1967	0
11	FEB	1969	0	16	JUN	1967	3.5	16	AUG	1967	5.5	17	OCT	1967	5.5	18	DEC	1967	0
12	FEB	1969	0	17	JUN	1967	4.5	17	AUG	1967	6.5	18	OCT	1968	9	19	DEC	1967	0
13	FEB	1969	0	18	JUN	1967	4.5	18	AUG	1967	6.5	19	OCT	1968	8	20	DEC	1967	0
14	FEB	1969	0	19	JUN	1967	4.5	19	AUG	1967	5.5	20	OCT	1968	8	21	DEC	1967	0
15	FEB	1969	0	20	JUN	1967	4.5	20	AUG	1967	5.5	21	OCT	1968	7	22	DEC	1967	0
16	FEB	1969	0	21	JUN	1967	6.5	21	AUG	1967	6.5	22	OCT	1968	7	23	DEC	1967	0
17	FEB	1969	0	22	JUN	1967	8	22	AUG	1967	6.5	23	OCT	1968	7	24	DEC	1967	0
18	FEB	1969	0	23	JUN	1967	6	23	AUG	1967	5.5	24	OCT	1968	7	25	DEC	1967	0
19	FEB	1969	0	24	JUN	1967	5.5	24	AUG	1967	5.5	25	OCT	1968	7	26	DEC	1967	0
20	FEB	1969	0	25	JUN	1967	5.5	25	AUG	1967	5.5	26	OCT	1968	7	27	DEC	1967	0
21	FEB	1969	0	26	JUN	1967	6.5	26	AUG	1967	5.5	27	OCT	1968	6.5	28	DEC	1967	0
22	FEB	1969	0	27	JUN	1967	6.5	27	AUG	1967	5.5	28	OCT	1968	6.5	29	DEC	1967	0
23	FEB	1969	0	28	JUN	1967	8	28	AUG	1968	12	29	OCT	1968	6.5	30	DEC	1967	0
24	FEB	1969	0	29	JUN	1967	8	29	AUG	1968	13	30	OCT	1968	6.5	31	DEC	1967	0
25	FEB	1969	0	30	JUN	1967	4.5	30	AUG	1968	13	1	OCT	1968	6.5	1	DEC	1968	1.5
26	FEB	1969	0	1	JUN	1968	5	1	AUG	1968	14.5	2	OCT	1968	6.5	2	DEC	1968	1
27	FEB	1969	0	2	JUN	1968	7	2	AUG	1968	13.5	3	OCT	1968	6.5	3	DEC	1968	1
28	FEB	1969	0	3	JUN	1968	8	3	AUG	1968	11.5	4	OCT	1968	6	4	DEC	1968	1
1	FEB	1970	0	4	JUN	1968	8	4	AUG	1968	12	5	OCT	1968	6	5	DEC	1968	1
2	FEB	1970	0	5	JUN	1968	9	5	AUG	1968	12	6	OCT	1968	5.5	6	DEC	1968	0
3	FEB	1970	0	6	JUN	1968	9	6	AUG	1968	12	7	OCT	1968	5.5	7	DEC	1968	0
4	FEB	1970	0	7	JUN	1968	8.5	7	AUG	1968	13.5	8	OCT	1968	5.5	8	DEC	1968	0
5	FEB	1970	0	8	JUN	1968	9	8	AUG	1968	13.5	9	OCT	1968	5.5	9	DEC	1968	0
6	FEB	1970	0	9	JUN	1968	8	9	AUG	1968	12	10	OCT	1968	5.5	10	DEC	1968	0
7	FEB	1970	0	10	JUN	1968	8	10	AUG	1968	13	11	OCT	1968	5.5	11	DEC	1968	0
8	FEB	1970	0	11	JUN	1968	10	11	AUG	1968	13	12	OCT	1968	5.5	12	DEC	1968	0
9	FEB	1970	0	12	JUN	1968	8.5	12	AUG	1968	12	13	OCT	1968	5.5	13	DEC	1968	0
10	FEB	1970	0	13	JUN	1968	8.5	13	AUG	1968	12	14	OCT	1968	5.5	14	DEC	1968	0
11	FEB	1970	0	14	JUN	1968	9	14	AUG	1968	12	15	OCT	1968	5.5	15	DEC	1968	0
12	FEB	1970	0	15	JUN	1968	9	15	AUG	1968	12	16	OCT	1968	5.5	16	DEC	1968	0
13	FEB	1970	0	16	JUN	1968	9.5	16	AUG	1968	12	17	OCT	1968	5.5	17	DEC	1968	0
14	FEB	1970	0	17	JUN	1968	9.5	17	AUG	1968	11.5	18	OCT	1968	5	18	DEC	1968	0
15	FEB	1970	0	18	JUN	1968	10	18	AUG	1968	11.5	19	OCT	1968	8.5	19	DEC	1968	0
16	FEB	1970	0	19	JUN	1968	9.5	19	AUG	1968	11.5	20	OCT	1969	8	20	DEC	1968	0
17	FEB	1970	0	20	JUN	1968	9.5	20	AUG	1968	11	21	OCT	1969	8	21	DEC	1968	0
18	FEB	1970	0	21	JUN	1968	9.5	21	AUG	1968	11	22	OCT	1969	8	22	DEC	1968	0
19	FEB	1970	0	22	JUN	1968	10	22	AUG	1968	10.5	23	OCT	1969	7	23	DEC	1968	0
20	FEB	1970	0	23	JUN	1968	10.5	23	AUG	1968	10	24	OCT	1969	7	24	DEC	1968	0
21	FEB	1970	0	24	JUN	1968	9.5	24	AUG	1968	10	25	OCT	1969	7	25	DEC	1968	0
22	FEB	1970	0	25	JUN	1968	10.5	25	AUG	1968	10	26	OCT	1969	7	26	DEC	1968	0

COLUMBIA RIVER AT REVELSICKE - STATION NJ. 03ND002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C												
0°C												

25°C

20°C

15°C

10°C

5°C

0°C

X

2 X2

2X2X4X27123X2

X X 444X13285422

X 2 XX3X2

X X 3 2231764475467612

X2X22X1X63243566133X425533514423X

XX44X5146X58362 X133X7585534195334 XX

X2X225216635453XX71X2223XX2281258273X2241

X43X2-X--2232X-X-55+326-445665+666284--X+3X--X

3 14X242674X21XX245XX3153X2X22 35143X25583331X2XX2X

X X 51X3333433515X2 X 233X1 23XX 3 321 5599861237422 X

X X83361466642223X1 2XX3XX42 XX343214 X4X32XX1

XX X 21X X 53468612324642 3X1 2 XX XX X XX 44818935 3332412 X

31X X 2241XX222 242 1X 2X X1 22

X X 12X4328523153X665342X13223 X X X2 15564434X3314322

2 X 321354447242X12X5X 341XX X XX22X 2XX X3231X6774223X21 XX45XX X

3X X34214715553331752 XX 1X X X X222 XX21 2 X4X4X

X 34X524186682 X531 252X3X332 33322XX23 X 2X XX 4X1X 3345764X1332 X242XX1 XXX X

3X3-XX X 21 XI XX22 2-234-63388+XX53-X--X XX22 21 3564X36125485XX331 XX252X4

X X 2X1X XX XX8613332 23X X 521 22375X X312222 2X1

X3222XX1 X 2X 43X71X 2X43 2X X 51444X296X 12X X41

X 31 XX3X 21 2X 43X71X 2X43 611X4453834 X X21

3X3X14 X3 251X 2XX X212 XXX 3134 42 460915X X

2 2 X1 2 2 414233X X 1X X X X X 22X313 2X X X1

622354321XX X2 231X 3 531863X 4X5

X XX X1 3525846351333X X2 X X 124351532421

EEEEEEEEEE+EEEEEEEEEE+6666666698+3653X X--2X466+66666666EE+

COLUMBIA RIVER AT REVELSTUKE -- STATION NO. 08ND002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

25 FEB 1970	0	1	30 APR 1969	5	1	26 JUN 1968	10.0	1	29 AUG 1968	11	1	8 OCT 1969	8	1	25 DEC 1968	0
24 FEB 1970	0	1	1 APR 1970	1	1	27 JUN 1968	9	1	30 AUG 1968	11	1	9 OCT 1969	8	1	26 DEC 1968	0
25 FEB 1970	0	1	2 APR 1970	0	1	28 JUN 1968	9	1	31 AUG 1968	11.5	1	10 OCT 1969	7	1	27 DEC 1968	0
26 FEB 1970	0	1	3 APR 1970	3	1	29 JUN 1968	9	1	1 AUG 1969	12	1	11 OCT 1969	7	1	28 DEC 1968	0
27 FEB 1970	0	1	4 APR 1970	3.0	1	30 JUN 1968	9.0	1	2 AUG 1969	12	1	12 OCT 1969	6.5	1	29 DEC 1968	0
28 FEB 1970	0	1	5 APR 1970	3.5	1	1 JUN 1969	9	1	3 AUG 1969	12	1	13 OCT 1969	5.5	1	30 DEC 1968	0
1 FEB 1971	0	1	6 APR 1970	3.5	1	2 JUN 1969	9.0	1	4 AUG 1969	12	1	14 OCT 1969	5.5	1	31 DEC 1968	1.5
2 FEB 1971	0	1	7 APR 1970	3	1	3 JUN 1969	9.0	1	5 AUG 1969	12	1	15 OCT 1969	5	1	1 DEC 1969	1.5
3 FEB 1971	0	1	8 APR 1970	3.0	1	4 JUN 1969	10	1	6 AUG 1969	11	1	16 OCT 1969	5	1	2 DEC 1969	1
4 FEB 1971	0	1	9 APR 1970	3	1	5 JUN 1969	10	1	7 AUG 1969	11	1	17 OCT 1969	4.5	1	3 DEC 1969	1
5 FEB 1971	0	1	10 APR 1970	2	1	6 JUN 1969	10	1	8 AUG 1969	11.5	1	18 OCT 1969	4.5	1	4 DEC 1969	1
6 FEB 1971	0	1	11 APR 1970	3	1	7 JUN 1969	10	1	9 AUG 1969	12	1	19 OCT 1969	4.5	1	5 DEC 1969	0.5
7 FEB 1971	0	1	12 APR 1970	1.5	1	8 JUN 1969	10.0	1	10 AUG 1969	12	1	20 OCT 1969	4.5	1	6 DEC 1969	1
8 FEB 1971	0	1	13 APR 1970	3	1	9 JUN 1969	10	1	11 AUG 1969	11.5	1	21 OCT 1969	5	1	7 DEC 1969	0.5
9 FEB 1971	0	1	14 APR 1970	4	1	10 JUN 1969	10.0	1	12 AUG 1969	11.5	1	22 OCT 1969	5.5	1	8 DEC 1969	0
10 FEB 1971	0	1	15 APR 1970	4.5	1	11 JUN 1969	10.0	1	13 AUG 1969	11	1	23 OCT 1969	5.5	1	9 DEC 1969	0
11 FEB 1971	0	1	16 APR 1970	4.5	1	12 JUN 1969	11	1	14 AUG 1969	11	1	24 OCT 1969	5	1	10 DEC 1969	0
12 FEB 1971	0	1	17 APR 1970	4.5	1	13 JUN 1969	10.0	1	15 AUG 1969	12	1	25 OCT 1969	5	1	11 DEC 1969	0
13 FEB 1971	0	1	18 APR 1970	5	1	14 JUN 1969	11	1	16 AUG 1969	11.5	1	26 OCT 1969	4	1	12 DEC 1969	0
14 FEB 1971	0	1	19 APR 1970	5.5	1	15 JUN 1969	11.0	1	17 AUG 1969	11	1	27 OCT 1969	4	1	13 DEC 1969	0
15 FEB 1971	0	1	20 APR 1970	5.5	1	16 JUN 1969	11	1	18 AUG 1969	11	1	28 OCT 1969	3.5	1	14 DEC 1969	0.5
16 FEB 1971	0	1	21 APR 1970	5.5	1	17 JUN 1969	11.0	1	19 AUG 1969	11	1	29 OCT 1969	4	1	15 DEC 1969	0.5
17 FEB 1971	0	1	22 APR 1970	5.5	1	18 JUN 1969	11.0	1	20 AUG 1969	10.5	1	30 OCT 1969	4.5	1	16 DEC 1969	0.5
18 FEB 1971	0	1	23 APR 1970	5.5	1	19 JUN 1969	11.0	1	21 AUG 1969	11	1	31 OCT 1969	4.5	1	17 DEC 1969	1
19 FEB 1971	0	1	24 APR 1970	5	1	20 JUN 1969	11	1	22 AUG 1969	10.5	1	1 OCT 1970	8.5	1	18 DEC 1969	1
20 FEB 1971	0	1	25 APR 1970	5	1	21 JUN 1969	11	1	23 AUG 1969	11	1	2 OCT 1970	8	1	19 DEC 1969	0
21 FEB 1971	0	1	26 APR 1970	5	1	22 JUN 1969	11	1	24 AUG 1969	11	1	3 OCT 1970	8	1	20 DEC 1969	0
22 FEB 1971	0	1	27 APR 1970	5	1	23 JUN 1969	11	1	25 AUG 1969	12	1	4 OCT 1970	8	1	21 DEC 1969	0
23 FEB 1971	0	1	28 APR 1970	5	1	24 JUN 1969	11	1	26 AUG 1969	11	1	5 OCT 1970	8	1	22 DEC 1969	0
24 FEB 1971	0	1	29 APR 1970	5.5	1	25 JUN 1969	10.5	1	27 AUG 1969	11	1	6 OCT 1970	6	1	23 DEC 1969	0.5
25 FEB 1971	0	1	30 APR 1970	5.5	1	26 JUN 1969	10.5	1	28 AUG 1969	11	1	7 OCT 1970	6.5	1	24 DEC 1969	1
26 FEB 1971	0	1	4 APR 1971	0	1	27 JUN 1969	10.0	1	29 AUG 1969	10.5	1	8 OCT 1970	5.5	1	25 DEC 1969	0.5
27 FEB 1971	0	1	5 APR 1971	0	1	28 JUN 1969	11	1	30 AUG 1969	10.5	1	9 OCT 1970	5.5	1	26 DEC 1969	0
28 FEB 1971	0	1	6 APR 1971	0	1	29 JUN 1969	11.0	1	31 AUG 1969	10.5	1	10 OCT 1970	5.5	1	27 DEC 1969	0
1 FEB 1972	0	1	7 APR 1971	0	1	30 JUN 1969	11	1	1 AUG 1970	11.5	1	11 OCT 1970	6	1	28 DEC 1969	0
2 FEB 1972	0	1	8 APR 1971	0	1	1 JUN 1970	9.0	1	2 AUG 1970	12	1	12 OCT 1970	6	1	29 DEC 1969	0
3 FEB 1972	0	1	9 APR 1971	0	1	2 JUN 1970	9.0	1	3 AUG 1970	12	1	13 OCT 1970	6	1	30 DEC 1969	0
4 FEB 1972	0	1	10 APR 1971	0	1	3 JUN 1970	10	1	4 AUG 1970	13.5	1	14 OCT 1970	5.5	1	31 DEC 1969	0
5 FEB 1972	0	1	11 APR 1971	0	1	4 JUN 1970	10	1	5 AUG 1970	12	1	15 OCT 1970	5	1	1 DEC 1970	0
6 FEB 1972	0	1	12 APR 1971	0	1	5 JUN 1970	9	1	6 AUG 1970	13	1	16 OCT 1970	4.5	1	2 DEC 1970	0
7 FEB 1972	0	1	13 APR 1971	0	1	6 JUN 1970	9.0	1	7 AUG 1970	13	1	17 OCT 1970	4.5	1	3 DEC 1970	0
8 FEB 1972	0	1	14 APR 1971	0.5	1	7 JUN 1970	9.0	1	8 AUG 1970	13	1	18 OCT 1970	5	1	4 DEC 1970	0
9 FEB 1972	0	1	15 APR 1971	1	1	8 JUN 1970	9.0	1	9 AUG 1970	12	1	19 OCT 1970	5	1	5 DEC 1970	0
10 FEB 1972	0	1	16 APR 1971	3	1	9 JUN 1970	9	1	10 AUG 1970	11.5	1	20 OCT 1970	5.5	1	6 DEC 1970	0
11 FEB 1972	0	1	17 APR 1971	3.5	1	10 JUN 1970	9	1	11 AUG 1970	12	1	21 OCT 1970	5.5	1	7 DEC 1970	0
12 FEB 1972	0	1	18 APR 1971	4	1	11 JUN 1970	9	1	12 AUG 1970	11.5	1	22 OCT 1970	5.5	1	8 DEC 1970	0
13 FEB 1972	0	1	19 APR 1971	4	1	12 JUN 1970	9	1	13 AUG 1970	12	1	23 OCT 1970	5.5	1	9 DEC 1970	0
14 FEB 1972	0	1	20 APR 1971	4	1	13 JUN 1970	9.0	1	14 AUG 1970	11	1	24 OCT 1970	5.5	1	10 DEC 1970	0
15 FEB 1972	0	1	21 APR 1971	4.5	1	14 JUN 1970	9.0	1	15 AUG 1970	11.0	1	25 OCT 1970	5	1	11 DEC 1970	0
16 FEB 1972	0	1	22 APR 1971	4.5	1	15 JUN 1970	10	1	16 AUG 1970	11.5	1	26 OCT 1970	4.5	1	12 DEC 1970	0
17 FEB 1972	0	1	23 APR 1971	4.5	1	16 JUN 1970	9.0	1	17 AUG 1970	11.5	1	27 OCT 1970	4	1	13 DEC 1970	0
18 FEB 1972	0	1	24 APR 1971	4	1	17 JUN 1970	10	1	18 AUG 1970	11	1	28 OCT 1970	3.5	1	14 DEC 1970	0
19 FEB 1972	0	1	25 APR 1971	4	1	18 JUN 1970	10.0	1	19 AUG 1970	11	1	29 OCT 1970	3	1	15 DEC 1970	0
20 FEB 1972	0	1	26 APR 1971	4	1	19 JUN 1970	10.0	1	20 AUG 1970	11.0	1	30 OCT 1970	3	1	16 DEC 1970	0
21 FEB 1972	0	1	27 APR 1971	4	1	20 JUN 1970	11	1	21 AUG 1970	12	1	31 OCT 1970	3	1	17 DEC 1970	0

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C												
0°C												

25°C

20°C

15°C

10°C

5°C

0°C

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

NOV

DEC

COLUMBIA RIVER AT REVELSTOCK - STATION NO. 08ND002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

22 FEB 1972	0	28 APR 1971	4.5	21 JUN 1970	11	22 AUG 1970	12	1 OCT 1971	8	18 DEC 1970	0
23 FEB 1972	0	29 APR 1971	4.5	22 JUN 1970	11.5	23 AUG 1970	12	2 OCT 1971	8	19 DEC 1970	0
24 FEB 1972	0	30 APR 1971	4.5	23 JUN 1970	11	24 AUG 1970	12	3 OCT 1971	8	20 DEC 1970	0
25 FEB 1972	0	1 APR 1972	0.5	24 JUN 1970	11.5	25 AUG 1970	11.5	4 OCT 1971	8	21 DEC 1970	0
26 FEB 1972	0	2 APR 1972	0.5	25 JUN 1970	11	26 AUG 1970	12	5 OCT 1971	8	22 DEC 1970	0
27 FEB 1972	0	3 APR 1972	0.5	26 JUN 1970	11.5	27 AUG 1970	11.5	6 OCT 1971	9	23 DEC 1970	0
28 FEB 1972	0	4 APR 1972	0.5	27 JUN 1970	11.5	28 AUG 1970	11.5	7 OCT 1971	9	24 DEC 1970	0
29 FEB 1972	0	5 APR 1972	0.5	28 JUN 1970	11	29 AUG 1970	11.5	8 OCT 1971	9	25 DEC 1970	0
16 FEB 1974	1	6 APR 1972	0.5	29 JUN 1970	11	30 AUG 1970	11.5	9 OCT 1971	8	26 DEC 1970	0
17 FEB 1974	1	7 APR 1972	0.5	30 JUN 1970	11	31 AUG 1970	0	10 OCT 1971	8	27 DEC 1970	0
18 FEB 1974	1	8 APR 1972	0.5	1 JUN 1971	8.5	1 AUG 1971	13	11 OCT 1971	8	1 DEC 1971	2
19 FEB 1974	1	9 APR 1972	0.5	2 JUN 1971	8.5	2 AUG 1971	13.5	12 OCT 1971	8	2 DEC 1971	1
20 FEB 1974	1	10 APR 1972	0.5	3 JUN 1971	8.5	3 AUG 1971	13.5	13 OCT 1971	7	3 DEC 1971	1
21 FEB 1974	1	11 APR 1972	0.5	4 JUN 1971	8	4 AUG 1971	13	14 OCT 1971	6.5	4 DEC 1971	1
22 FEB 1974	1	12 APR 1972	0.5	5 JUN 1971	8	5 AUG 1971	13	15 OCT 1971	6	5 DEC 1971	0.5
23 FEB 1974	1	13 APR 1972	1	6 JUN 1971	8.5	6 AUG 1971	13.5	16 OCT 1971	5.5	6 DEC 1971	0
24 FEB 1974	1	14 APR 1972	1	7 JUN 1971	8.5	7 AUG 1971	13.5	17 OCT 1971	5.5	7 DEC 1971	0
25 FEB 1974	1	15 APR 1972	1	8 JUN 1971	8	8 AUG 1971	13	18 OCT 1971	5	8 DEC 1971	0
26 FEB 1974	1	16 APR 1972	2	9 JUN 1971	7.5	9 AUG 1971	13	19 OCT 1971	5	9 DEC 1971	0
27 FEB 1974	1.5	17 APR 1972	3	10 JUN 1971	7.5	10 AUG 1971	13	20 OCT 1971	5.5	10 DEC 1971	0
28 FEB 1974	1.5	18 APR 1972	3	11 JUN 1971	8.5	11 AUG 1971	13	21 OCT 1971	5.5	11 DEC 1971	0
3 FEB 1975	2	19 APR 1972	3.5	12 JUN 1971	8.5	12 AUG 1971	13	22 OCT 1971	5.5	12 DEC 1971	0
4 FEB 1975	1	20 APR 1972	3	13 JUN 1971	8.5	13 AUG 1971	13	23 OCT 1971	5	13 DEC 1971	0
5 FEB 1975	1	21 APR 1972	4	14 JUN 1971	8	14 AUG 1971	13	24 OCT 1971	5	14 DEC 1971	0
6 FEB 1975	1	22 APR 1972	3.5	15 JUN 1971	8.5	15 AUG 1971	12	25 OCT 1971	5	15 DEC 1971	0
7 FEB 1975	1	23 APR 1972	4	16 JUN 1971	8.5	16 AUG 1971	12	26 OCT 1971	4.5	16 DEC 1971	0
8 FEB 1975	1.5	24 APR 1972	4.5	17 JUN 1971	9	17 AUG 1971	11.5	27 OCT 1971	4.5	17 DEC 1971	0
10 FEB 1975	2	25 APR 1972	4.5	18 JUN 1971	9.5	18 AUG 1971	11.5	28 OCT 1971	3.5	18 DEC 1971	0
11 FEB 1975	1	26 APR 1972	5	19 JUN 1971	9.5	19 AUG 1971	11.5	29 OCT 1971	2	19 DEC 1971	0
12 FEB 1975	1	27 APR 1972	5	20 JUN 1971	9.5	20 AUG 1971	12	30 OCT 1971	2	20 DEC 1971	0
13 FEB 1975	1	28 APR 1972	5	21 JUN 1971	10.5	21 AUG 1971	11.5	31 OCT 1971	2	21 DEC 1971	0
14 FEB 1975	1	29 APR 1972	5	22 JUN 1971	10.5	22 AUG 1971	11.5	1 OCT 1972	6.5	22 DEC 1971	0
15 FEB 1975	1	30 APR 1972	5	23 JUN 1971	9.5	23 AUG 1971	11	2 OCT 1972	7	23 DEC 1971	0
17 FEB 1975	1	1 APR 1973	1.5	24 JUN 1971	9.5	24 AUG 1971	11	3 OCT 1972	7	24 DEC 1971	0
18 FEB 1975	1	2 APR 1973	2	25 JUN 1971	9.5	25 AUG 1971	12	4 OCT 1972	6.5	25 DEC 1971	0
19 FEB 1975	1	3 APR 1973	3.5	26 JUN 1971	9	26 AUG 1971	12	5 OCT 1972	6.5	26 DEC 1971	0
20 FEB 1975	1.5	4 APR 1973	4	27 JUN 1971	9.5	27 AUG 1971	11.5	6 OCT 1972	6	27 DEC 1971	0
21 FEB 1975	1.5	5 APR 1973	4.5	28 JUN 1971	9.5	28 AUG 1971	11.5	7 OCT 1972	6	28 DEC 1971	0
22 FEB 1975	2	6 APR 1973	4	29 JUN 1971	10.5	29 AUG 1971	12	8 OCT 1972	6.5	29 DEC 1971	0
24 FEB 1975	2	7 APR 1973	4	30 JUN 1971	10.5	30 AUG 1971	12	9 OCT 1972	6.5	30 DEC 1971	0
25 FEB 1975	2	8 APR 1973	4	1 JUN 1972	7.5	31 AUG 1971	12	10 OCT 1972	6.5	31 DEC 1971	0
26 FEB 1975	1.5	9 APR 1973	4	2 JUN 1972	7	1 AUG 1972	11.5	11 OCT 1972	4.5	1 DEC 1972	1
27 FEB 1975	1.5	10 APR 1973	4.5	3 JUN 1972	7.5	2 AUG 1972	11.5	12 OCT 1972	4.5	2 DEC 1972	1
28 FEB 1975	2	11 APR 1973	5	4 JUN 1972	7.5	3 AUG 1972	12	13 OCT 1972	4.5	3 DEC 1972	0.5
1 FEB 1976	2	12 APR 1973	5.5	5 JUN 1972	8.5	4 AUG 1972	11.5	14 OCT 1972	4.5	21 DEC 1972	0
2 FEB 1976	2	13 APR 1973	5.5	6 JUN 1972	8.5	5 AUG 1972	12	15 OCT 1972	4.5	22 DEC 1972	0
3 FEB 1976	2	14 APR 1973	5.5	7 JUN 1972	8.5	6 AUG 1972	12	16 OCT 1972	4.5	23 DEC 1972	0
4 FEB 1976	1	15 APR 1973	5.5	8 JUN 1972	9	7 AUG 1972	13	17 OCT 1972	4.5	24 DEC 1972	0
5 FEB 1976	1	16 APR 1973	5	9 JUN 1972	8.5	8 AUG 1972	13	18 OCT 1972	4	25 DEC 1972	0
6 FEB 1976	1	17 APR 1973	5	10 JUN 1972	8	9 AUG 1972	13	19 OCT 1972	4.5	26 DEC 1972	0
7 FEB 1976	1	18 APR 1973	5.5	11 JUN 1972	8	10 AUG 1972	13	20 OCT 1972	4.5	27 DEC 1972	0
8 FEB 1976	1.5	19 APR 1973	5	12 JUN 1972	7.5	11 AUG 1972	13	21 OCT 1972	5	28 DEC 1972	0
9 FEB 1976	2	20 APR 1973	5.5	13 JUN 1972	7	12 AUG 1972	13	22 OCT 1972	5.5	1 DEC 1973	2
10 FEB 1976	2	21 APR 1973	5.5	14 JUN 1972	7.5	13 AUG 1972	13	23 OCT 1972	5.5	2 DEC 1973	0.5
11 FEB 1976	2	22 APR 1973	5.5	15 JUN 1972	9	14 AUG 1972	12	24 OCT 1972	5.5	3 DEC 1973	1

COLUMBIA RIVER AT REVELSTOKE - STATION NO. 08ND002

SPI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

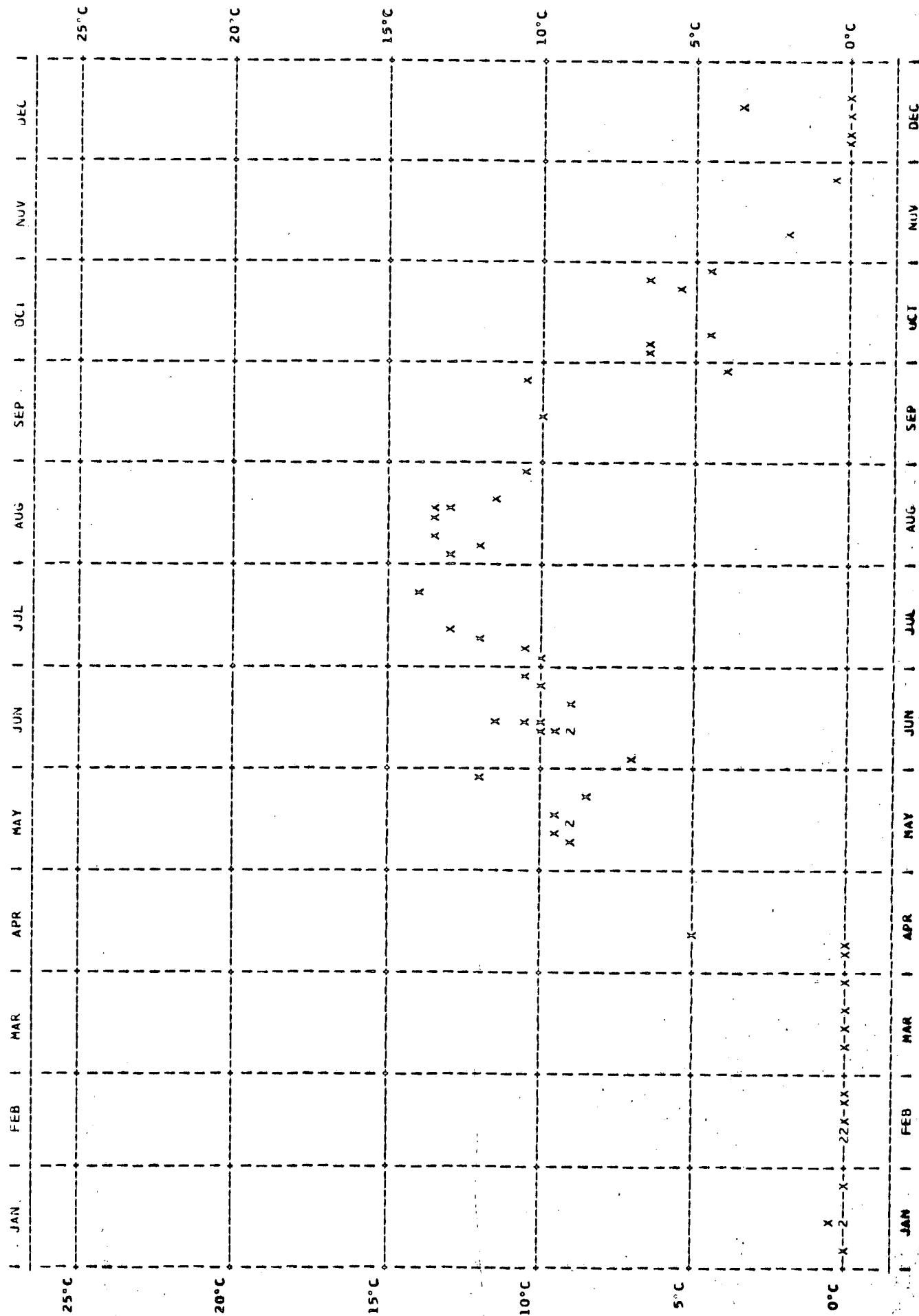
21 APR 1975	4	11 JUN 1974	7	8 AUG 1974	9	18 OCT 1974	6.5	9 DEC 1975	1.5
24 APR 1975	4	12 JUN 1974	8	9 AUG 1974	9	19 OCT 1974	6.5	10 DEC 1975	1.5
25 APR 1975	4.5	13 JUN 1974	7.5	10 AUG 1974	9	20 OCT 1974	6.5	11 DEC 1975	1
28 APR 1975	5.5	14 JUN 1974	7	11 AUG 1974	9.5	21 OCT 1974	7	12 DEC 1975	0.5
29 APR 1975	6.5	15 JUN 1974	7	12 AUG 1974	9.5	22 OCT 1974	6.5	13 DEC 1975	0.5
30 APR 1975	4.5	16 JUN 1974	7	13 AUG 1974	9	23 OCT 1974	9	14 DEC 1975	0.5
1 APR 1976	4	17 JUN 1974	7	14 AUG 1974	9.5	24 OCT 1974	8	15 DEC 1975	0
3 APR 1976	4.5	18 JUN 1974	7	15 AUG 1974	10	25 OCT 1974	7	16 DEC 1975	0.5
4 APR 1976	4.5	19 JUN 1974	7	16 AUG 1974	11	28 OCT 1974	7	17 DEC 1975	0.5
5 APR 1976	5	20 JUN 1974	7.5	17 AUG 1974	10	29 OCT 1974	8	18 DEC 1975	0.5
6 APR 1976	5.5	21 JUN 1974	7	18 AUG 1974	10	30 OCT 1974	8.5	19 DEC 1975	1
7 APR 1976	6	22 JUN 1974	7	19 AUG 1974	10	31 OCT 1974	6.5	22 DEC 1975	1
8 APR 1976	6	23 JUN 1974	7	20 AUG 1974	9.5	1 OCT 1975	9.5	23 DEC 1975	1
9 APR 1976	6	24 JUN 1974	7	21 AUG 1974	10	2 OCT 1975	8.5	24 DEC 1975	1
10 APR 1976	6	25 JUN 1974	7.5	22 AUG 1974	10	3 OCT 1975	7	25 DEC 1975	2
11 APR 1976	5.5	26 JUN 1974	7.5	23 AUG 1974	10.5	4 OCT 1975	7	26 DEC 1975	3
12 APR 1976	5.5	27 JUN 1974	6.5	24 AUG 1974	10	5 OCT 1975	9	27 DEC 1975	3.5
13 APR 1976	5.5	28 JUN 1974	6.5	25 AUG 1974	9.5	6 OCT 1975	9	28 DEC 1975	4
14 APR 1976	4	29 JUN 1974	6.5	26 AUG 1974	9	7 OCT 1975	9	29 DEC 1975	3.5
15 APR 1976	4	30 JUN 1974	7	27 AUG 1974	10	8 OCT 1975	9	30 DEC 1975	3.5
16 APR 1976	4	1 JUN 1975	8.5	28 AUG 1974	10	9 OCT 1975	9	31 DEC 1975	4
17 APR 1976	4	2 JUN 1975	8.5	29 AUG 1974	10.5	10 OCT 1975	9	1 DEC 1976	4
18 APR 1976	4	3 JUN 1975	6	30 AUG 1974	10.5	11 OCT 1975	9	2 DEC 1976	3.5
19 APR 1976	4	4 JUN 1975	7	31 AUG 1974	10.5	12 OCT 1975	9.5	3 DEC 1976	3.5
20 APR 1976	4.5	5 JUN 1975	7	1 AUG 1975	10	13 OCT 1975	10	4 DEC 1976	3.5
21 APR 1976	5	6 JUN 1975	6	2 AUG 1975	9.5	14 OCT 1975	9.5	5 DEC 1976	4
22 APR 1976	5.5	7 JUN 1975	6.5	3 AUG 1975	9.5	15 OCT 1975	9	6 DEC 1976	4
23 APR 1976	6	8 JUN 1975	6.5	4 AUG 1975	11	16 OCT 1975	7	7 DEC 1976	4
24 APR 1976	6	9 JUN 1975	8.5	5 AUG 1975	11.5	17 OCT 1975	7	8 DEC 1976	4.5
25 APR 1976	6	10 JUN 1975	8.5	6 AUG 1975	10	18 OCT 1975	8	9 DEC 1976	4
26 APR 1976	6.5	11 JUN 1975	8.5	7 AUG 1975	10	19 OCT 1975	8	10 DEC 1976	4
27 APR 1976	7	12 JUN 1975	6	8 AUG 1975	10	20 OCT 1975	7	11 DEC 1976	4
28 APR 1976	7.5	13 JUN 1975	6	9 AUG 1975	10	21 OCT 1975	7	12 DEC 1976	4.5
29 APR 1976	7.5	14 JUN 1975	7	10 AUG 1975	11	22 OCT 1975	6.5	13 DEC 1976	4.5
30 APR 1976	7.5	15 JUN 1975	7	11 AUG 1975	11	23 OCT 1975	6	14 DEC 1976	5
		16 JUN 1975	7	12 AUG 1975	10.5	24 OCT 1975	5.5	15 DEC 1976	5
		17 JUN 1975	7	13 AUG 1975	11	27 OCT 1975	5.5	16 DEC 1976	4.5
		18 JUN 1975	9.5	14 AUG 1975	11	28 OCT 1975	4.5	17 DEC 1976	4.5
		19 JUN 1975	9.5	15 AUG 1975	11.5	29 OCT 1975	3.5	18 DEC 1976	5
		20 JUN 1975	9.5	16 AUG 1975	11	30 OCT 1975	3	19 DEC 1976	5
		21 JUN 1975	6	17 AUG 1975	11	31 OCT 1975	3	20 DEC 1976	5
		22 JUN 1975	6	18 AUG 1975	11	1 OCT 1976	10	21 DEC 1976	4.5
		23 JUN 1975	7	19 AUG 1975	11	2 OCT 1976	10	22 DEC 1976	4.5
		24 JUN 1975	9	20 AUG 1975	11	3 OCT 1976	10	23 DEC 1976	5
		25 JUN 1975	8	21 AUG 1975	10	4 OCT 1976	10	24 DEC 1976	5
		26 JUN 1975	7.5	22 AUG 1975	10	5 OCT 1976	9.5	25 DEC 1976	4.5
		27 JUN 1975	6.5	23 AUG 1975	10	6 OCT 1976	9.5	26 DEC 1976	4
		28 JUN 1975	6.5	24 AUG 1975	10	7 OCT 1976	9.5	27 DEC 1976	4
		29 JUN 1975	6.5	25 AUG 1975	10.5	8 OCT 1976	9	28 DEC 1976	3.5
		30 JUN 1975	6.5	26 AUG 1975	10	9 OCT 1976	9	29 DEC 1976	3.5
		1 JUN 1976	6	27 AUG 1975	10	10 OCT 1976	9	30 DEC 1976	3.5
		2 JUN 1976	6	28 AUG 1975	10	11 OCT 1976	9	31 DEC 1976	3
		3 JUN 1976	6	29 AUG 1975	10	12 OCT 1976	8.5		
		4 JUN 1976	6	30 AUG 1975	10.5	13 OCT 1976	8.5		
		5 JUN 1976	6.5	31 AUG 1975	10.5	14 OCT 1976	8.5		

COLUMBIA RIVER AT REVELSTÜKE - STATION NO. 08ND0002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

6 JUN 1976	7	1 AUG 1976	10	15 OCT 1976	8.5
7 JUN 1976	8.5	2 AUG 1976	10.5	16 OCT 1976	8.5
8 JUN 1976	8	3 AUG 1976	11	17 OCT 1976	8
9 JUN 1976	7.5	4 AUG 1976	11	18 OCT 1976	8
10 JUN 1976	7	5 AUG 1976	10.5	19 OCT 1976	8.5
11 JUN 1976	6.5	6 AUG 1976	10.5	20 OCT 1976	8.5
12 JUN 1976	7	7 AUG 1976	10	21 OCT 1976	8
13 JUN 1976	7.5	8 AUG 1976	10	22 OCT 1976	8
14 JUN 1976	8	9 AUG 1976	10.5	23 OCT 1976	8.5
15 JUN 1976	7	10 AUG 1976	11	24 OCT 1976	8.5
16 JUN 1976	7	11 AUG 1976	11	25 OCT 1976	8.5
17 JUN 1976	8	12 AUG 1976	11	26 OCT 1976	8
18 JUN 1976	8.5	13 AUG 1976	10	27 OCT 1976	8
19 JUN 1976	8	14 AUG 1976	10	28 OCT 1976	8
20 JUN 1976	7.5	15 AUG 1976	10.5	29 OCT 1976	7.5
21 JUN 1976	7	16 AUG 1976	11	30 OCT 1976	7
22 JUN 1976	7.5	17 AUG 1976	10	31 OCT 1976	7
23 JUN 1976	7.5	18 AUG 1976	9.5		
24 JUN 1976	7.5	19 AUG 1976	10		
25 JUN 1975	6.5	20 AUG 1976	9		
26 JUN 1976	7	21 AUG 1976	9		
27 JUN 1976	8	22 AUG 1976	10		
28 JUN 1976	8	23 AUG 1976	10		
29 JUN 1976	9	24 AUG 1976	10		
30 JUN 1976	9	25 AUG 1976	10		
		26 AUG 1976	10		
		27 AUG 1976	9.5		
		28 AUG 1976	9.5		
		29 AUG 1976	10		
		30 AUG 1976	9.5		
		31 AUG 1976	9.5		

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



COLUMBIA RIVER AT SURPRISE RAPIDS - STATION NO. 08NB006

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

13 JAN 1953	0.5																					
15 JAN 1956	0	20 MAR 1956	0	23 MAY 1949	8.5	3 JUL 1950	10	15 SEP 1954	10	7 NOV 1956	2											
15 JAN 1958	0	23 MAR 1957	0	15 MAY 1952	9	6 JUL 1954	10.5	25 SEP 1956	10.5	25 NOV 1965	0.5											
5 JAN 1961	0	15 MAR 1958	0	29 MAY 1952	12	24 JUL 1956	14	30 SEP 1965	4													
27 JAN 1965	0	7 MAR 1961	0	12 MAY 1955	9.5	9 JUL 1957	12															
				16 MAY 1957	9.5	12 JUL 1964	13															
				7 MAY 1958	9																	
				14 MAY 1964	9																	
9 FEB 1955	0	6 APR 1954	0	27 JUN 1950	10	17 AUG 1949	15	28 OCT 1949	4.5	8 DEC 1949	0											
15 FEB 1956	0	3 APR 1959	0	10 JUN 1953	9	21 AUG 1950	11.5	25 OCT 1953	6.5	15 DEC 1954	0											
20 FEB 1957	0	12 APR 1960	5	21 JUN 1955	9	16 AUG 1955	13.5	5 OCT 1955	6.5	5 DEC 1957	0											
10 FEB 1954	0			1 JUN 1954	7	29 AUG 1957	10.5	8 OCT 1957	4.5	17 DEC 1959	3.5											
24 FEB 1960	0			28 JUN 1955	10.5	5 AUG 1958	12	22 OCT 1963	5.5	19 DEC 1961	0											
7 FEB 1962	0			15 JUN 1956	11.5	9 AUG 1960	13.5	1 OCT 1964	6.5													
12 FEB 1963	0			11 JUN 1958	10	1 AUG 1961	13															
				15 JUN 1961	10	15 AUG 1963	13.5															
				15 JUN 1962	10.5																	
				11 JUN 1963	9.5																	
				12 JUN 1964	9																	

COLUMBIA RIVER AT FRAIL - STATION NO. OBNE003

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

1	JAN 1968	4	1	MAY 1968	4	1	JUL 1967	12	1	SEP 1967	19	1	NOV 1967	11
2	JAN 1968	4	2	MAY 1968	6	2	JUL 1967	13	2	SEP 1967	19	2	NOV 1967	10.5
3	JAN 1968	4	3	MAY 1968	7	3	JUL 1967	13.5	3	SEP 1967	18.5	3	NOV 1967	10.5
4	JAN 1968	4	4	MAY 1968	8	4	JUL 1967	13.5	4	SEP 1967	18.5	4	NOV 1967	10.5
5	JAN 1968	3.5	5	MAY 1968	8.5	5	JUL 1967	13.5	5	SEP 1967	18.5	5	NOV 1967	10
6	JAN 1968	3.5	6	MAY 1968	7	6	JUL 1967	14	6	SEP 1967	17	6	NOV 1967	10
7	JAN 1968	3.5	7	MAY 1968	7	7	JUL 1967	14	7	SEP 1967	18	7	NOV 1967	10
8	JAN 1968	3.5	8	MAY 1968	7	8	JUL 1967	14	8	SEP 1967	18	8	NOV 1967	9.5
9	JAN 1968	3.5	9	MAY 1968	8	9	JUL 1967	14	9	SEP 1967	18	9	NOV 1967	9.5
10	JAN 1968	3.5	10	MAY 1968	9	10	JUL 1967	14	10	SEP 1967	17	10	NOV 1967	9.5
11	JAN 1968	3.5	11	MAY 1968	9	11	JUL 1967	14.5	11	SEP 1967	16.5	11	NOV 1967	9.5
12	JAN 1968	3.5	12	MAY 1968	10	12	JUL 1967	15	12	SEP 1967	15.5	12	NOV 1967	9.5
13	JAN 1968	3	13	MAY 1968	9.5	13	JUL 1967	15	13	SEP 1967	15.5	13	NOV 1967	9.5
14	JAN 1968	3	14	MAY 1968	9	14	JUL 1967	15.5	14	SEP 1967	16	14	NOV 1967	9.5
15	JAN 1968	3.5	15	MAY 1968	9	15	JUL 1967	14.5	15	SEP 1967	16	15	NOV 1967	9.5
16	JAN 1968	3.5	16	MAY 1968	10	16	JUL 1967	14.5	16	SEP 1967	16.5	16	NOV 1967	9.5
17	JAN 1968	3.5	17	MAY 1968	10.5	17	JUL 1967	15	17	SEP 1967	16	17	NOV 1967	9.5
18	JAN 1968	3.5	18	MAY 1968	11	18	JUL 1967	14	18	SEP 1967	16	18	NOV 1967	9
19	JAN 1968	3.5	19	MAY 1968	11.5	19	JUL 1967	14.5	19	SEP 1967	16.5	19	NOV 1967	9
20	JAN 1968	4	20	MAY 1968	11	20	JUL 1967	14.5	20	SEP 1967	16.5	20	NOV 1967	9
21	JAN 1968	4	21	MAY 1968	10	21	JUL 1967	15	21	SEP 1967	16.5	21	NOV 1967	9
22	JAN 1968	4	22	MAY 1968	9.5	22	JUL 1967	15	22	SEP 1967	16.5	22	NOV 1967	9
23	JAN 1968	4	23	MAY 1968	10	23	JUL 1967	15	23	SEP 1967	15.5	23	NOV 1967	9
24	JAN 1968	4	24	MAY 1968	10	24	JUL 1967	15.5	24	SEP 1967	16	24	NOV 1967	9
25	JAN 1968	3.5	25	MAY 1968	9.5	25	JUL 1967	15.5	25	SEP 1967	16.5	25	NOV 1967	8.5
26	JAN 1968	3.5	26	MAY 1968	10.5	26	JUL 1967	16.5	26	SEP 1967	16.5	26	NOV 1967	8.5
27	JAN 1968	3.5	27	MAY 1968	9.5	27	JUL 1967	16.5	27	SEP 1967	16	27	NOV 1967	8.5
28	JAN 1968	3.5	28	MAY 1968	9.5	28	JUL 1967	16	28	SEP 1967	16	28	NOV 1967	8.5
29	JAN 1968	3.5	29	MAY 1968	9.5	29	JUL 1967	16	29	SEP 1967	16	29	NOV 1967	8.5
30	JAN 1968	3	30	MAY 1968	9.5	30	JUL 1967	16	30	SEP 1967	15.5	30	NOV 1967	8.5
31	JAN 1968	3	31	MAY 1968	9	31	JUL 1967	17	1	SEP 1968	15.5	1	NOV 1968	9
1	JAN 1969	1.5	1	MAY 1969	5	1	JUL 1968	13	2	SEP 1968	15	2	NOV 1968	9
2	JAN 1969	2	2	MAY 1969	5.5	2	JUL 1968	13.5	3	SEP 1968	15	3	NOV 1968	9
3	JAN 1969	2	3	MAY 1969	5.5	3	JUL 1968	13	4	SEP 1968	15.5	4	NOV 1968	9
4	JAN 1969	2	4	MAY 1969	5.5	4	JUL 1968	13.5	5	SEP 1968	15.5	5	NOV 1968	8
5	JAN 1969	2	5	MAY 1969	5.5	5	JUL 1968	13.5	6	SEP 1968	16	6	NOV 1968	8
6	JAN 1969	3	6	MAY 1969	6	6	JUL 1968	14	7	SEP 1968	15.5	7	NOV 1968	7
7	JAN 1969	3	7	MAY 1969	6	7	JUL 1968	14.5	8	SEP 1968	15	8	NOV 1968	7
8	JAN 1969	2	8	MAY 1969	6	8	JUL 1968	14.5	9	SEP 1968	15	9	NOV 1968	8
9	JAN 1969	2	9	MAY 1969	6.5	9	JUL 1968	14.5	10	SEP 1968	14.5	10	NOV 1968	8.5
10	JAN 1969	3	10	MAY 1969	6.5	10	JUL 1968	14	11	SEP 1968	14.5	11	NOV 1968	7
11	JAN 1969	3.5	11	MAY 1969	7	11	JUL 1968	15	12	SEP 1968	15.5	12	NOV 1968	8
12	JAN 1969	3	12	MAY 1969	7	12	JUL 1968	13.5	13	SEP 1968	15	13	NOV 1968	7
13	JAN 1969	3	13	MAY 1969	8	13	JUL 1968	12	14	SEP 1968	15.5	14	NOV 1968	7
14	JAN 1969	3	14	MAY 1969	7.5	14	JUL 1968	12	15	SEP 1968	14.5	15	NOV 1968	6.5
15	JAN 1969	3	15	MAY 1969	8	15	JUL 1968	14	16	SEP 1968	14	16	NOV 1968	6.5
16	JAN 1969	3.5	16	MAY 1969	8	16	JUL 1968	13.5	17	SEP 1968	14.5	17	NOV 1968	6
17	JAN 1969	2.5	17	MAY 1969	8	17	JUL 1968	14.5	18	SEP 1968	13.5	18	NOV 1968	7
18	JAN 1969	2.5	18	MAY 1969	7.5	18	JUL 1968	14	19	SEP 1968	13.5	19	NOV 1968	7
19	JAN 1969	2	19	MAY 1969	7.5	19	JUL 1968	14.5	20	SEP 1968	13.5	20	NOV 1968	8.5
20	JAN 1969	2	20	MAY 1969	8	20	JUL 1968	14.5	21	SEP 1968	13.5	21	NOV 1968	8.5
21	JAN 1969	2	21	MAY 1969	8	21	JUL 1968	15	22	SEP 1968	13.5	22	NOV 1968	8.5
22	JAN 1969	1.5	22	MAY 1969	8	22	JUL 1968	15.5	23	SEP 1968	13	23	NOV 1968	8
23	JAN 1969	1	23	MAY 1969	8	23	JUL 1968	14.5	24	SEP 1968	13	24	NOV 1968	8
24	JAN 1969	1	24	MAY 1969	8.5	24	JUL 1968	15	25	SEP 1968	13.5	25	NOV 1968	7

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C												
0°C												

25°C

20°C

15°C

10°C

5°C

0°C

25°C

20°C

15°C

10°C

5°C

0°C

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SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

11 JAN 1973	3.5	18 MAR 1973	4.5	11 MAY 1973	7	11 JUL 1972	11.5	20 SEP 1972	15	16 NOV 1972	9
12 JAN 1973	3.5	19 MAR 1973	4.5	12 MAY 1973	8	12 JUL 1972	11	21 SEP 1972	14.5	17 NOV 1972	9
13 JAN 1973	3.5	20 MAR 1973	4.5	13 MAY 1973	8	13 JUL 1972	11	22 SEP 1972	14.5	18 NOV 1972	8.5
14 JAN 1973	3.5	21 MAR 1973	5.5	14 MAY 1973	8.5	14 JUL 1972	11.5	23 SEP 1972	13.5	19 NOV 1972	8.5
15 JAN 1973	3.5	22 MAR 1973	7	15 MAY 1973	9	15 JUL 1972	11.5	24 SEP 1972	13.5	20 NOV 1972	8.5
16 JAN 1973	3.5	23 MAR 1973	9	16 MAY 1973	10.5	16 JUL 1972	11.5	25 SEP 1972	13.5	21 NOV 1972	8.5
17 JAN 1973	3.5	24 MAR 1973	9	17 MAY 1973	10.5	17 JUL 1972	12	26 SEP 1972	12	22 NOV 1972	8.5
18 JAN 1973	3.5	25 MAR 1973	6.5	18 MAY 1973	10.5	18 JUL 1972	12.5	27 SEP 1972	13	23 NOV 1972	8
19 JAN 1973	3.5	26 MAR 1973	5.5	19 MAY 1973	10.5	19 JUL 1972	12	28 SEP 1972	13	24 NOV 1972	8
20 JAN 1973	3.5	27 MAR 1973	5.5	20 MAY 1973	11	20 JUL 1972	12	29 SEP 1972	12.5	25 NOV 1972	8
21 JAN 1973	3.5	28 MAR 1973	6.5	21 MAY 1973	11	21 JUL 1972	12.5	30 SEP 1972	12.5	26 NOV 1972	6
22 JAN 1973	3.5	29 MAR 1973	7.5	22 MAY 1973	10.5	22 JUL 1972	13	1 SEP 1973	16	27 NOV 1972	8
23 JAN 1973	3.5	30 MAR 1973	6	23 MAY 1973	10	23 JUL 1972	13	2 SEP 1973	16	28 NOV 1972	8
24 JAN 1973	3.5	31 MAR 1973	4.5	24 MAY 1973	9.5	24 JUL 1972	12.5	3 SEP 1973	15.5	29 NOV 1972	8
25 JAN 1973	3.5	1 MAR 1974	3.5	25 MAY 1973	9	25 JUL 1972	13	4 SEP 1973	15	30 NOV 1972	7.5
26 JAN 1973	3.5	2 MAR 1974	4	26 MAY 1973	9	26 JUL 1972	13	5 SEP 1973	15	1 NOV 1973	9.5
27 JAN 1973	3.5	3 MAR 1974	4	27 MAY 1973	9.5	27 JUL 1972	13	6 SEP 1973	16	2 NOV 1973	9
28 JAN 1973	3.5	4 MAR 1974	3.5	28 MAY 1973	10	28 JUL 1972	13.5	7 SEP 1973	16	3 NOV 1973	9
29 JAN 1973	3.5	5 MAR 1974	3.5	29 MAY 1973	10	29 JUL 1972	13.5	8 SEP 1973	16	4 NOV 1973	8.5
30 JAN 1973	3.5	6 MAR 1974	3.5	30 MAY 1973	10.5	30 JUL 1972	14	9 SEP 1973	16	5 NOV 1973	8
31 JAN 1973	3.5	7 MAR 1974	3.5	31 MAY 1973	10.5	31 JUL 1972	14.5	10 SEP 1973	16	6 NOV 1973	8
1 JAN 1974	3	8 MAR 1974	3.5	1 MAY 1974	6	1 JUL 1973	15	11 SEP 1973	16.5	7 NOV 1973	7.5
2 JAN 1974	3	9 MAR 1974	3.5	2 MAY 1974	6	2 JUL 1973	14.5	12 SEP 1973	16	8 NOV 1973	7
3 JAN 1974	2	10 MAR 1974	3.5	3 MAY 1974	6.5	3 JUL 1973	14	13 SEP 1973	16	9 NOV 1973	7
4 JAN 1974	2	11 MAR 1974	3.5	4 MAY 1974	6.5	4 JUL 1973	14	14 SEP 1973	15.5	10 NOV 1973	7
5 JAN 1974	2	12 MAR 1974	3.5	5 MAY 1974	6.5	5 JUL 1973	14.5	15 SEP 1973	15.5	11 NOV 1973	7
6 JAN 1974	2	13 MAR 1974	3.5	6 MAY 1974	6.5	6 JUL 1973	14.5	16 SEP 1973	15	12 NOV 1973	7.5
7 JAN 1974	2	14 MAR 1974	3.5	7 MAY 1974	6.5	7 JUL 1973	14.5	17 SEP 1973	15	13 NOV 1973	7.5
8 JAN 1974	2	15 MAR 1974	3.5	8 MAY 1974	6.5	8 JUL 1973	14.5	18 SEP 1973	14.5	14 NOV 1973	7.5
9 JAN 1974	1.5	16 MAR 1974	3.5	9 MAY 1974	6	9 JUL 1973	14.5	19 SEP 1973	14	15 NOV 1973	7.5
10 JAN 1974	1.5	17 MAR 1974	4	10 MAY 1974	9	10 JUL 1973	14.5	20 SEP 1973	14.5	16 NOV 1973	7
11 JAN 1974	1.5	18 MAR 1974	4	11 MAY 1974	9	11 JUL 1973	14.5	21 SEP 1973	14.5	17 NOV 1973	7
12 JAN 1974	1.5	19 MAR 1974	4.5	12 MAY 1974	10	12 JUL 1973	15	22 SEP 1973	14.5	18 NOV 1973	6.5
13 JAN 1974	1.5	20 MAR 1974	4.5	13 MAY 1974	10.5	13 JUL 1973	15.5	23 SEP 1973	14.5	19 NOV 1973	6.5
14 JAN 1974	2	21 MAR 1974	4.5	14 MAY 1974	6.5	14 JUL 1973	15.5	24 SEP 1973	14.5	20 NOV 1973	6
15 JAN 1974	2.5	22 MAR 1974	4	15 MAY 1974	6.5	15 JUL 1973	16	25 SEP 1973	14.5	21 NOV 1973	6
16 JAN 1974	2.5	23 MAR 1974	4	16 MAY 1974	6.5	16 JUL 1973	16	26 SEP 1973	14.5	22 NOV 1973	6
17 JAN 1974	3	24 MAR 1974	4.5	17 MAY 1974	6.5	17 JUL 1973	16.5	27 SEP 1973	13.5	23 NOV 1973	6
18 JAN 1974	3	25 MAR 1974	4.5	18 MAY 1974	6.5	18 JUL 1973	16.5	28 SEP 1973	13.5	24 NOV 1973	6
19 JAN 1974	3.5	26 MAR 1974	4.5	19 MAY 1974	8	19 JUL 1973	17	29 SEP 1973	14	25 NOV 1973	5.5
20 JAN 1974	4	27 MAR 1974	4.5	20 MAY 1974	8	20 JUL 1973	16.5	30 SEP 1973	13.5	26 NOV 1973	5.5
21 JAN 1974	3.5	28 MAR 1974	4.5	21 MAY 1974	8.5	21 JUL 1973	16.5	1 SEP 1974	16.5	27 NOV 1973	5.5
22 JAN 1974	3.5	29 MAR 1974	4.5	22 MAY 1974	8.5	22 JUL 1973	16	2 SEP 1974	15.5	28 NOV 1973	5
23 JAN 1974	3.5	30 MAR 1974	4	23 MAY 1974	8.5	23 JUL 1973	16	3 SEP 1974	16	29 NOV 1973	5.5
24 JAN 1974	3.5	31 MAR 1974	4.5	24 MAY 1974	8	24 JUL 1973	15	4 SEP 1974	16	30 NOV 1973	5.5
29 JAN 1974	3.5	1 MAR 1975	3.5	25 MAY 1974	8.5	25 JUL 1973	16.5	5 SEP 1974	16	1 NOV 1974	11
30 JAN 1974	3.5	2 MAR 1975	3.5	26 MAY 1974	8.5	26 JUL 1973	16.5	6 SEP 1974	15.5	2 NOV 1974	11
31 JAN 1974	3	3 MAR 1975	3.5	27 MAY 1974	8.5	27 JUL 1973	17	7 SEP 1974	16	3 NOV 1974	11
1 JAN 1975	4	4 MAR 1975	3.5	28 MAY 1974	8.5	28 JUL 1973	17	8 SEP 1974	16.5	4 NOV 1974	11
2 JAN 1975	4	5 MAR 1975	3.5	29 MAY 1974	8.5	29 JUL 1973	17	9 SEP 1974	16	5 NOV 1974	10.5
3 JAN 1975	4.5	6 MAR 1975	4	30 MAY 1974	10	30 JUL 1973	17	10 SEP 1974	16	6 NOV 1974	10.5
4 JAN 1975	4.5	7 MAR 1975	3.5	31 MAY 1974	10	31 JUL 1973	16.5	11 SEP 1974	15	7 NOV 1974	10
5 JAN 1975	4	8 MAR 1975	3.5	1 MAY 1975	5.5	1 JUL 1974	13.5	12 SEP 1974	15	8 NOV 1974	9
6 JAN 1975	4	9 MAR 1975	3.5	2 MAY 1975	5.5	2 JUL 1974	13.5	13 SEP 1974	15.5	9 NOV 1974	9
7 JAN 1975	4.5	10 MAR 1975	3.5	3 MAY 1975	5.5	3 JUL 1974	13.5	14 SEP 1974	15.5	10 NOV 1974	9

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8 JAN 1975	4.5	11 MAR 1975	4	5 MAY 1975	5.5	13 JUL 1974	13	15 SEP 1974	15.5	11 NOV 1974	9
9 JAN 1975	4	12 MAR 1975	4	6 MAY 1975	6	14 JUL 1974	13.5	16 SEP 1974	16	12 NOV 1974	9
10 JAN 1975	3.5	13 MAR 1975	4.5	7 MAY 1975	6.5	15 JUL 1974	14.5	17 SEP 1974	16.5	13 NOV 1974	9
11 JAN 1975	3.5	14 MAR 1975	4	8 MAY 1975	7	16 JUL 1974	14	19 SEP 1974	16	14 NOV 1974	8.5
12 JAN 1975	3.5	15 MAR 1975	4	9 MAY 1975	7	17 JUL 1974	14	19 SEP 1974	16	15 NOV 1974	9
13 JAN 1975	3.5	16 MAR 1975	4	10 MAY 1975	7	18 JUL 1974	14	20 SEP 1974	16	16 NOV 1974	9
14 JAN 1975	3.5	17 MAR 1975	3.5	11 MAY 1975	8	19 JUL 1974	14	21 SEP 1974	15.5	17 NOV 1974	9
15 JAN 1975	3.5	18 MAR 1975	3	12 MAY 1975	8	20 JUL 1974	14.5	22 SEP 1974	15.5	18 NOV 1974	8.5
16 JAN 1975	3.5	19 MAR 1975	4	13 MAY 1975	8	21 JUL 1974	14.5	23 SEP 1974	15.5	19 NOV 1974	8.5
17 JAN 1975	3.5	20 MAR 1975	3.5	14 MAY 1975	8	22 JUL 1974	15.5	24 SEP 1974	15.5	20 NOV 1974	8.5
18 JAN 1975	3.5	21 MAR 1975	3.5	15 MAY 1975	8	23 JUL 1974	15.5	25 SEP 1974	15	21 NOV 1974	8.5
19 JAN 1975	4	22 MAR 1975	4	16 MAY 1975	8.5	24 JUL 1974	16.5	26 SEP 1974	15	22 NOV 1974	8
20 JAN 1975	3.5	23 MAR 1975	3.5	17 MAY 1975	8.5	25 JUL 1974	16.5	27 SEP 1974	15	23 NOV 1974	8
21 JAN 1975	3.5	24 MAR 1975	3.5	18 MAY 1975	8.5	26 JUL 1974	16.5	28 SEP 1974	14.5	24 NOV 1974	8
22 JAN 1975	4	25 MAR 1975	3.5	19 MAY 1975	8	27 JUL 1974	17	29 SEP 1974	14.5	25 NOV 1974	8
23 JAN 1975	4	26 MAR 1975	3.5	20 MAY 1975	8.5	28 JUL 1974	16.5	30 SEP 1974	14.5	26 NOV 1974	7
24 JAN 1975	4	27 MAR 1975	3.5	21 MAY 1975	9	29 JUL 1974	16.5	1 SEP 1975	15	27 NOV 1974	7
25 JAN 1975	4.5	28 MAR 1975	4	22 MAY 1975	9	30 JUL 1974	16.5	2 SEP 1975	15	28 NOV 1974	7
26 JAN 1975	4	29 MAR 1975	3.5	23 MAY 1975	9	31 JUL 1974	16	3 SEP 1975	15.5	29 NOV 1974	7
27 JAN 1975	3.5	30 MAR 1975	4	24 MAY 1975	8.5	1 JUL 1975	11.5	4 SEP 1975	15	30 NOV 1974	6.5
28 JAN 1975	3.5	31 MAR 1975	3.5	25 MAY 1975	9	2 JUL 1975	12.5	5 SEP 1975	15	1 NOV 1975	9.5
29 JAN 1975	3.5	1 MAR 1976	4	26 MAY 1975	9	3 JUL 1975	13	6 SEP 1975	16	2 NOV 1975	9.5
30 JAN 1975	3.5	2 MAR 1976	3.5	27 MAY 1975	9	4 JUL 1975	13.5	7 SEP 1975	16	3 NOV 1975	10
31 JAN 1975	3.5	3 MAR 1976	3.5	28 MAY 1975	9	5 JUL 1975	14.5	8 SEP 1975	16.5	4 NOV 1975	9.5
1 JAN 1976	4.5	4 MAR 1976	3.5	29 MAY 1975	9	6 JUL 1975	14	9 SEP 1975	16.5	5 NOV 1975	9.5
2 JAN 1976	4.5	5 MAR 1976	3	30 MAY 1975	9	7 JUL 1975	15	10 SEP 1975	16.5	6 NOV 1975	9
3 JAN 1976	4.5	6 MAR 1976	3	31 MAY 1975	9.5	8 JUL 1975	15	11 SEP 1975	16.5	7 NOV 1975	8.5
4 JAN 1976	4	7 MAR 1976	3.5	1 MAY 1976	6	9 JUL 1975	15.5	12 SEP 1975	16.5	8 NOV 1975	8.5
5 JAN 1976	4	8 MAR 1976	4	2 MAY 1976	6.5	10 JUL 1975	16.5	13 SEP 1975	16	9 NOV 1975	8.5
6 JAN 1976	4.5	9 MAR 1976	4	3 MAY 1976	6.5	11 JUL 1975	16.5	14 SEP 1975	16	10 NOV 1975	8.5
7 JAN 1976	4	10 MAR 1976	4	4 MAY 1976	6.5	12 JUL 1975	16.5	15 SEP 1975	16.5	11 NOV 1975	8
8 JAN 1976	4	11 MAR 1976	4	5 MAY 1976	6.5	13 JUL 1975	16.5	16 SEP 1975	16.5	12 NOV 1975	8
9 JAN 1976	4.5	12 MAR 1976	4	6 MAY 1976	7	14 JUL 1975	16.5	17 SEP 1975	16.5	13 NOV 1975	8
10 JAN 1976	4	13 MAR 1976	4	7 MAY 1976	7	15 JUL 1975	16.5	18 SEP 1975	16.5	14 NOV 1975	8
11 JAN 1976	4	14 MAR 1976	4	8 MAY 1976	7	16 JUL 1975	16.5	19 SEP 1975	16	15 NOV 1975	8
12 JAN 1976	4	15 MAR 1976	4	9 MAY 1976	7	17 JUL 1975	16.5	20 SEP 1975	16.5	16 NOV 1975	7
13 JAN 1976	4	16 MAR 1976	4	10 MAY 1976	8	18 JUL 1975	16.5	21 SEP 1975	16.5	17 NOV 1975	7
14 JAN 1976	4	17 MAR 1976	4	11 MAY 1976	8	19 JUL 1975	17	22 SEP 1975	16.5	18 NOV 1975	7
15 JAN 1976	4.5	18 MAR 1976	4	12 MAY 1976	8	20 JUL 1975	16.5	23 SEP 1975	16.5	19 NOV 1975	6.5
16 JAN 1976	4	19 MAR 1976	4	13 MAY 1976	8.5	21 JUL 1975	16.5	24 SEP 1975	16.5	20 NOV 1975	7
17 JAN 1976	4	20 MAR 1976	4	14 MAY 1976	8.5	22 JUL 1975	17	25 SEP 1975	16.5	21 NOV 1975	6.5
18 JAN 1976	4	21 MAR 1976	4	15 MAY 1976	8.5	23 JUL 1975	17.5	26 SEP 1975	16.5	22 NOV 1975	6.5
19 JAN 1976	4.5	22 MAR 1976	4	16 MAY 1976	8	24 JUL 1975	18	27 SEP 1975	16.5	23 NOV 1975	6.5
20 JAN 1976	4	23 MAR 1976	4	17 MAY 1976	8.5	25 JUL 1975	18	28 SEP 1975	16.5	24 NOV 1975	6.5
21 JAN 1976	4	24 MAR 1976	4	18 MAY 1976	8.5	26 JUL 1975	18	29 SEP 1975	15	25 NOV 1975	6.5
22 JAN 1976	4	25 MAR 1976	3.5	19 MAY 1976	8.5	27 JUL 1975	18.5	30 SEP 1975	15	26 NOV 1975	6.5
23 JAN 1976	4	26 MAR 1976	3.5	20 MAY 1976	8.5	28 JUL 1975	18	1 SEP 1976	14.5	27 NOV 1975	6.5
24 JAN 1976	4	27 MAR 1976	4	21 MAY 1976	8.5	29 JUL 1975	18.5	2 SEP 1976	14.5	28 NOV 1975	6
25 JAN 1976	4	28 MAR 1976	4	22 MAY 1976	8	30 JUL 1975	18.5	3 SEP 1976	14.5	29 NOV 1975	6
26 JAN 1976	4	29 MAR 1976	4	23 MAY 1976	8.5	31 JUL 1975	15	4 SEP 1976	14.5	30 NOV 1975	6
27 JAN 1976	4	30 MAR 1976	4	24 MAY 1976	8.5	1 JUL 1976	13.5	5 SEP 1976	14.5	1 NOV 1976	10.5
28 JAN 1976	4	31 MAR 1976	4	25 MAY 1976	8	2 JUL 1976	14.5	6 SEP 1976	14.5	2 NOV 1976	10.5
29 JAN 1976	4		4	26 MAY 1976	8	3 JUL 1976	12	7 SEP 1976	14.5	3 NOV 1976	10.5
30 JAN 1976	4		4	27 MAY 1976	8.5	4 JUL 1976	12	8 SEP 1976	14	4 NOV 1976	10.5
31 JAN 1976	4		4	28 MAY 1976	8.5	5 JUL 1976	13.5	9 SEP 1976	14	5 NOV 1976	10

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SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

29 MAY 1976	8.5	6 JUL 1976	13.5	10 SEP 1976	14	6 NOV 1976	10
30 MAY 1976	8.5	7 JUL 1976	15	11 SEP 1976	14	7 NOV 1976	10
31 MAY 1976	8	8 JUL 1976	13	12 SEP 1976	14	8 NOV 1976	10
		9 JUL 1976	13	13 SEP 1976	14	9 NOV 1976	10
		10 JUL 1976	13	14 SEP 1976	14	10 NOV 1976	10
		11 JUL 1976	13	15 SEP 1976	14	11 NOV 1976	10
		12 JUL 1976	13.5	16 SEP 1976	14	12 NOV 1976	10
		13 JUL 1976	13.5	17 SEP 1976	14.5	13 NOV 1976	9.5
		14 JUL 1976	13.5	18 SEP 1976	15	14 NOV 1976	9.5
		15 JUL 1976	14	19 SEP 1976	15	15 NOV 1976	9.5
		16 JUL 1976	14	20 SEP 1976	14.5	16 NOV 1976	9.5
		17 JUL 1976	13.5	21 SEP 1976	14.5	17 NOV 1976	9.5
		18 JUL 1976	13.5	22 SEP 1976	14.5	18 NOV 1976	9
		19 JUL 1976	14.5	23 SEP 1976	14.5	19 NOV 1976	9
		20 JUL 1976	14	24 SEP 1976	14.5	20 NOV 1976	9
		21 JUL 1976	13	25 SEP 1976	14.5	21 NOV 1976	9
		22 JUL 1976	14.5	26 SEP 1976	14.5	22 NOV 1976	8.5
		23 JUL 1976	14.5	27 SEP 1976	14.5	23 NOV 1976	8.5
		24 JUL 1976	15.5	28 SEP 1976	14.5	24 NOV 1976	8.5
		25 JUL 1976	15.5	29 SEP 1976	14.5	25 NOV 1976	8.5
		26 JUL 1976	16	30 SEP 1976	14.5	26 NOV 1976	8.5
		27 JUL 1976	16			27 NOV 1976	8.5
		28 JUL 1976	16			28 NOV 1976	8.5
		29 JUL 1976	16			29 NOV 1976	8.5
		30 JUL 1976	16			30 NOV 1976	8
		31 JUL 1976	16				

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SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

1 FEB 1968	3	1 APR 1968	6	1 JUN 1967	10	1 AUG 1967	16.5	1 OCT 1967	15.5	1 DEC 1967	8
2 FEB 1968	3.5	2 APR 1968	6	2 JUN 1967	10.5	2 AUG 1967	18	2 OCT 1967	15.5	2 DEC 1967	7
3 FEB 1968	3.5	3 APR 1968	6	3 JUN 1967	10	3 AUG 1967	17	3 OCT 1967	15	3 DEC 1967	7
4 FEB 1968	3.5	4 APR 1968	6	4 JUN 1967	10	4 AUG 1967	18.5	4 OCT 1967	15	4 DEC 1967	7
5 FEB 1968	3.5	5 APR 1968	6	5 JUN 1967	10.5	5 AUG 1967	18.5	5 OCT 1967	15	5 DEC 1967	7
6 FEB 1968	3.5	6 APR 1968	6.5	6 JUN 1967	11	6 AUG 1967	18	6 OCT 1967	14.5	6 DEC 1967	6.5
7 FEB 1968	3.5	7 APR 1968	6.5	7 JUN 1967	11	7 AUG 1967	18	7 OCT 1967	14.5	7 DEC 1967	6.5
8 FEB 1968	3.5	8 APR 1968	6.5	8 JUN 1967	11	8 AUG 1967	17	8 OCT 1967	14.5	8 DEC 1967	6.5
9 FEB 1968	3.5	9 APR 1968	6.5	9 JUN 1967	10.5	9 AUG 1967	16.5	9 OCT 1967	14	9 DEC 1967	6.5
10 FEB 1968	3.5	10 APR 1968	7	10 JUN 1967	10	10 AUG 1967	17	10 OCT 1967	14	10 DEC 1967	6
11 FEB 1968	3.5	11 APR 1968	7	11 JUN 1967	10	11 AUG 1967	18.5	11 OCT 1967	14	11 DEC 1967	6
12 FEB 1968	3.5	12 APR 1968	7	12 JUN 1967	11	12 AUG 1967	18.5	12 OCT 1967	13.5	12 DEC 1967	6
13 FEB 1968	3.5	13 APR 1968	6	13 JUN 1967	11	13 AUG 1967	19	13 OCT 1967	13.5	13 DEC 1967	5.5
14 FEB 1968	3.5	14 APR 1968	5.5	14 JUN 1967	11.5	14 AUG 1967	18.5	14 OCT 1967	14	14 DEC 1967	5.5
15 FEB 1968	3.5	15 APR 1968	5.5	15 JUN 1967	12	15 AUG 1967	18.5	15 OCT 1967	14	15 DEC 1967	5.5
16 FEB 1968	3.5	16 APR 1968	5.5	16 JUN 1967	12	16 AUG 1967	18.5	16 OCT 1967	13.5	16 DEC 1967	5
17 FEB 1968	3.5	17 APR 1968	5.5	17 JUN 1967	11.5	17 AUG 1967	18.5	17 OCT 1967	13.5	17 DEC 1967	5
18 FEB 1968	3.5	18 APR 1968	5.5	18 JUN 1967	12	18 AUG 1967	18.5	18 OCT 1967	13.5	18 DEC 1967	5
19 FEB 1968	3.5	19 APR 1968	5	19 JUN 1967	13.5	19 AUG 1967	18.5	19 OCT 1967	13.5	19 DEC 1967	5
20 FEB 1968	3.5	20 APR 1968	5.5	20 JUN 1967	14	20 AUG 1967	18	20 OCT 1967	13.5	20 DEC 1967	4.5
21 FEB 1968	3.5	21 APR 1968	5.5	21 JUN 1967	13.5	21 AUG 1967	18	21 OCT 1967	13	21 DEC 1967	4.5
22 FEB 1968	3.5	22 APR 1968	5.5	22 JUN 1967	13	22 AUG 1967	18	22 OCT 1967	12	22 DEC 1967	4
23 FEB 1968	3.5	23 APR 1968	6	23 JUN 1967	11.5	23 AUG 1967	18.5	23 OCT 1967	12	23 DEC 1967	4
24 FEB 1968	3.5	24 APR 1968	6	24 JUN 1967	11.5	24 AUG 1967	18.5	24 OCT 1967	11.5	24 DEC 1967	4
25 FEB 1968	3.5	25 APR 1968	6	25 JUN 1967	12	25 AUG 1967	18.5	25 OCT 1967	11.5	25 DEC 1967	4
26 FEB 1968	4	26 APR 1968	6	26 JUN 1967	12	26 AUG 1967	18.5	26 OCT 1967	11.5	26 DEC 1967	4
27 FEB 1968	4.5	27 APR 1968	6.5	27 JUN 1967	12	27 AUG 1967	18	27 OCT 1967	11	27 DEC 1967	4
28 FEB 1968	4.5	28 APR 1968	6.5	28 JUN 1967	12	28 AUG 1967	18	28 OCT 1967	11.5	28 DEC 1967	4
29 FEB 1968	5	29 APR 1968	6	29 JUN 1967	13	29 AUG 1967	18.5	29 OCT 1967	11.5	29 DEC 1967	4
1 FEB 1969	0.5	1 APR 1969	4.5	30 JUN 1967	12	30 AUG 1967	18.5	30 OCT 1967	11	30 DEC 1967	4.5
2 FEB 1969	1	2 APR 1969	4.5	1 JUN 1968	10	1 AUG 1968	18.5	1 OCT 1968	11	1 DEC 1968	4.5
3 FEB 1969	1	3 APR 1969	4	2 JUN 1968	10	2 AUG 1968	18.5	1 OCT 1968	14	1 DEC 1968	4.5
4 FEB 1969	1	4 APR 1969	4	3 JUN 1968	10	3 AUG 1968	16.5	2 OCT 1968	11	2 DEC 1968	6.5
5 FEB 1969	1.5	5 APR 1969	4	4 JUN 1968	10	4 AUG 1968	16	3 OCT 1968	11.5	3 DEC 1968	6.5
6 FEB 1969	1.5	6 APR 1969	4.5	5 JUN 1968	10	5 AUG 1968	16.5	4 OCT 1968	12	4 DEC 1968	6.5
7 FEB 1969	1.5	7 APR 1969	4.5	6 JUN 1968	11	6 AUG 1968	16	5 OCT 1968	11	5 DEC 1968	6
8 FEB 1969	1.5	8 APR 1969	4.5	7 JUN 1968	10.5	7 AUG 1968	15.5	6 OCT 1968	12	6 DEC 1968	5.5
9 FEB 1969	1.5	9 APR 1969	4.5	8 JUN 1968	11	8 AUG 1968	15.5	7 OCT 1968	11	7 DEC 1968	5.5
10 FEB 1969	1.5	10 APR 1969	4.5	9 JUN 1968	11	9 AUG 1968	15.5	8 OCT 1968	10.5	8 DEC 1968	5.5
11 FEB 1969	2	11 APR 1969	4.5	10 JUN 1968	10.5	10 AUG 1968	17	9 OCT 1968	11	9 DEC 1968	5.5
12 FEB 1969	2	12 APR 1969	4.5	11 JUN 1968	10	11 AUG 1968	17	10 OCT 1968	11	10 DEC 1968	5.5
13 FEB 1969	2	13 APR 1969	4.5	12 JUN 1968	9.5	12 AUG 1968	17	11 OCT 1968	11	11 DEC 1968	5.5
14 FEB 1969	2	14 APR 1969	4.5	13 JUN 1968	9.5	13 AUG 1968	16	12 OCT 1968	10.5	12 DEC 1968	5.5
15 FEB 1969	2	15 APR 1969	4.5	14 JUN 1968	9.5	14 AUG 1968	16.5	13 OCT 1968	10.5	13 DEC 1968	5.5
16 FEB 1969	2	16 APR 1969	4.5	15 JUN 1968	11	15 AUG 1968	16	14 OCT 1968	10.5	14 DEC 1968	5.5
17 FEB 1969	2	17 APR 1969	5	16 JUN 1968	12	16 AUG 1968	16	15 OCT 1968	10	15 DEC 1968	5.5
18 FEB 1969	2	18 APR 1969	4.5	17 JUN 1968	12	17 AUG 1968	15.5	16 OCT 1968	9	16 DEC 1968	5.5
19 FEB 1969	2	19 APR 1969	5.5	18 JUN 1968	12	18 AUG 1968	14.5	17 OCT 1968	9.5	17 DEC 1968	5.5
20 FEB 1969	2	20 APR 1969	5	19 JUN 1968	11.5	19 AUG 1968	15	18 OCT 1968	10	18 DEC 1968	5.5
21 FEB 1969	2	21 APR 1969	5	20 JUN 1968	11.5	20 AUG 1968	15	19 OCT 1968	10	19 DEC 1968	5.5
22 FEB 1969	2	22 APR 1969	5	21 JUN 1968	12	21 AUG 1968	14.5	20 OCT 1968	10	20 DEC 1968	4.5
23 FEB 1969	2	23 APR 1969	5.5	22 JUN 1968	11.5	22 AUG 1968	14.5	21 OCT 1968	9.5	21 DEC 1968	4.5
24 FEB 1969	2	24 APR 1969	5	23 JUN 1968	11.5	23 AUG 1968	15	22 OCT 1968	10	22 DEC 1968	4.5
25 FEB 1969	2	25 APR 1969	4.5	24 JUN 1968	12	24 AUG 1968	14.5	23 OCT 1968	9.5	23 DEC 1968	4.5
26 FEB 1969	2	26 APR 1969	5	25 JUN 1968	13	25 AUG 1968	15	24 OCT 1968	10	24 DEC 1968	4.5

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SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

27 FEB 1969	2.5	27 APR 1969	5.5	26 JUN 1968	13	25 AUG 1968	14.5	25 OCT 1968	10	25 DEC 1968	5
28 FEB 1969	2	28 APR 1969	5.5	27 JUN 1968	12	26 AUG 1968	15	26 OCT 1968	9	26 DEC 1968	5
1 FEB 1970	3	29 APR 1969	5	28 JUN 1968	11.5	27 AUG 1968	14.5	27 OCT 1968	9	27 DEC 1968	4.5
2 FEB 1970	3	30 APR 1969	5	29 JUN 1968	11	28 AUG 1968	14.5	28 OCT 1968	9	28 DEC 1968	3.5
3 FEB 1970	3	1 APR 1970	4.5	30 JUN 1968	11.5	29 AUG 1968	15	29 OCT 1968	9	29 DEC 1968	2
4 FEB 1970	3.5	2 APR 1970	5	1 JUN 1969	9.5	30 AUG 1968	15	30 OCT 1968	10	30 DEC 1968	1
5 FEB 1970	3	3 APR 1970	7	2 JUN 1969	9.5	31 AUG 1968	15.5	31 OCT 1968	9.5	31 DEC 1968	1
6 FEB 1970	3.5	4 APR 1970	6	3 JUN 1969	10.5	1 AUG 1969	16.5	1 OCT 1969	14.5	1 DEC 1969	7
7 FEB 1970	3.5	5 APR 1970	6	4 JUN 1969	10.5	2 AUG 1969	16.5	2 OCT 1969	14.5	2 DEC 1969	7
8 FEB 1970	3.5	6 APR 1970	5.5	5 JUN 1969	11	3 AUG 1969	17	3 OCT 1969	14.5	3 DEC 1969	7
9 FEB 1970	3.5	7 APR 1970	5.5	6 JUN 1969	11	4 AUG 1969	16.5	4 OCT 1969	14	4 DEC 1969	7
10 FEB 1970	3.5	8 APR 1970	5.5	7 JUN 1969	11	5 AUG 1969	16	5 OCT 1969	14	5 DEC 1969	7
11 FEB 1970	3.5	9 APR 1970	5	8 JUN 1969	11	6 AUG 1969	16	6 OCT 1969	14	6 DEC 1969	6.5
12 FEB 1970	3.5	10 APR 1970	5.5	9 JUN 1969	11.5	7 AUG 1969	16.5	7 OCT 1969	14	7 DEC 1969	6.5
13 FEB 1970	3.5	11 APR 1970	5.5	10 JUN 1969	12	8 AUG 1969	16.5	8 OCT 1969	13.5	8 DEC 1969	6.5
14 FEB 1970	3.5	12 APR 1970	5.5	11 JUN 1969	12	9 AUG 1969	17.5	9 OCT 1969	13.5	9 DEC 1969	6.5
15 FEB 1970	3.5	13 APR 1970	5.5	12 JUN 1969	12	10 AUG 1969	17.5	10 OCT 1969	13.5	10 DEC 1969	6.5
16 FEB 1970	3.5	14 APR 1970	6	13 JUN 1969	11	11 AUG 1969	17	11 OCT 1969	13.5	11 DEC 1969	6
17 FEB 1970	3.5	15 APR 1970	6	14 JUN 1969	11	12 AUG 1969	17.5	12 OCT 1969	13.5	12 DEC 1969	6
18 FEB 1970	3.5	16 APR 1970	6	15 JUN 1969	11	13 AUG 1969	18	13 OCT 1969	13.5	13 DEC 1969	6
19 FEB 1970	3.5	17 APR 1970	6	16 JUN 1969	11.5	14 AUG 1969	18	14 OCT 1969	13	14 DEC 1969	6.5
20 FEB 1970	4	18 APR 1970	6	17 JUN 1969	12.5	15 AUG 1969	18	15 OCT 1969	12.5	15 DEC 1969	6
21 FEB 1970	4	19 APR 1970	6	18 JUN 1969	13.5	16 AUG 1969	18.5	16 OCT 1969	12.5	16 DEC 1969	6
22 FEB 1970	3	20 APR 1970	6	19 JUN 1969	13.5	17 AUG 1969	18.5	17 OCT 1969	12	17 DEC 1969	5.5
23 FEB 1970	3.5	21 APR 1970	6.5	20 JUN 1969	13.5	18 AUG 1969	18	18 OCT 1969	12	18 DEC 1969	5.5
24 FEB 1970	3.5	22 APR 1970	6.5	21 JUN 1969	14	19 AUG 1969	17	19 OCT 1969	12	19 DEC 1969	5.5
25 FEB 1970	3.5	23 APR 1970	6.5	22 JUN 1969	14.5	20 AUG 1969	17	20 OCT 1969	12	20 DEC 1969	5.5
26 FEB 1970	3.5	24 APR 1970	6	23 JUN 1969	14.5	21 AUG 1969	17	21 OCT 1969	12	21 DEC 1969	5.5
27 FEB 1970	3.5	25 APR 1970	6	24 JUN 1969	15.5	22 AUG 1969	17.5	22 OCT 1969	11.5	22 DEC 1969	5.5
28 FEB 1970	3.5	26 APR 1970	6	25 JUN 1969	13.5	23 AUG 1969	18	23 OCT 1969	11.5	23 DEC 1969	5.5
1 FEB 1971	3	27 APR 1970	6	26 JUN 1969	13.5	24 AUG 1969	18	24 OCT 1969	11.5	24 DEC 1969	5.5
2 FEB 1971	3	28 APR 1970	6.5	27 JUN 1969	13	25 AUG 1969	17	25 OCT 1969	11.5	25 DEC 1969	5.5
3 FEB 1971	3.5	29 APR 1970	6.5	28 JUN 1969	12	26 AUG 1969	17	26 OCT 1969	11.5	26 DEC 1969	5.5
4 FEB 1971	3.5	30 APR 1970	6.5	29 JUN 1969	12.5	27 AUG 1969	17	27 OCT 1969	11	27 DEC 1969	5
5 FEB 1971	3	1 APR 1971	5	30 JUN 1969	13.5	28 AUG 1969	16.5	28 OCT 1969	11	28 DEC 1969	4.5
6 FEB 1971	3	2 APR 1971	5.5	1 JUN 1970	10	29 AUG 1969	16.5	29 OCT 1969	11	29 DEC 1969	4.5
7 FEB 1971	2.5	3 APR 1971	5.5	2 JUN 1970	10	30 AUG 1969	17	30 OCT 1969	11	30 DEC 1969	4.5
8 FEB 1971	2.5	4 APR 1971	6	3 JUN 1970	10	31 AUG 1969	17	31 OCT 1969	11	31 DEC 1969	4.5
9 FEB 1971	2	5 APR 1971	5.5	4 JUN 1970	10.5	1 AUG 1970	18	1 OCT 1970	14.5	1 DEC 1970	6
10 FEB 1971	2.5	6 APR 1971	5.5	5 JUN 1970	11	2 AUG 1970	18	2 OCT 1970	14.5	2 DEC 1970	5.5
11 FEB 1971	2.5	7 APR 1971	5.5	6 JUN 1970	11	3 AUG 1970	18	3 OCT 1970	14.5	3 DEC 1970	5.5
12 FEB 1971	3	8 APR 1971	5.5	7 JUN 1970	11.5	4 AUG 1970	17.5	4 OCT 1970	14	4 DEC 1970	5.5
13 FEB 1971	3	9 APR 1971	5	8 JUN 1970	12	5 AUG 1970	17	5 OCT 1970	14	5 DEC 1970	5.5
14 FEB 1971	3.5	10 APR 1971	5.5	9 JUN 1970	11.5	6 AUG 1970	16.5	6 OCT 1970	13.5	6 DEC 1970	5.5
15 FEB 1971	3.5	11 APR 1971	5.5	10 JUN 1970	11.5	7 AUG 1970	16.5	7 OCT 1970	13.5	7 DEC 1970	6
16 FEB 1971	3.5	12 APR 1971	5.5	11 JUN 1970	11	8 AUG 1970	17	8 OCT 1970	13	8 DEC 1970	6
17 FEB 1971	3.5	13 APR 1971	6	12 JUN 1970	11	9 AUG 1970	17	9 OCT 1970	13	9 DEC 1970	5.5
18 FEB 1971	3.5	14 APR 1971	6	13 JUN 1970	11	10 AUG 1970	17	10 OCT 1970	13	10 DEC 1970	5
19 FEB 1971	4	15 APR 1971	6	14 JUN 1970	10.5	11 AUG 1970	18	11 OCT 1970	13	11 DEC 1970	5.5
20 FEB 1971	4	16 APR 1971	5.5	15 JUN 1970	11	12 AUG 1970	18	12 OCT 1970	13	12 DEC 1970	5
21 FEB 1971	3.5	17 APR 1971	5.5	16 JUN 1970	11.5	13 AUG 1970	18.5	13 OCT 1970	12.5	13 DEC 1970	5
22 FEB 1971	3.5	18 APR 1971	6	17 JUN 1970	11.5	14 AUG 1970	18	14 OCT 1970	12.5	14 DEC 1970	5
23 FEB 1971	3.5	19 APR 1971	6	18 JUN 1970	11.5	15 AUG 1970	18	15 OCT 1970	12.5	15 DEC 1970	5
24 FEB 1971	3.5	20 APR 1971	6	19 JUN 1970	11.5	16 AUG 1970	18	16 OCT 1970	12	16 DEC 1970	5
25 FEB 1971	3.5	21 APR 1971	6.5	20 JUN 1970	12.5	17 AUG 1970	18.5	17 OCT 1970	12	17 DEC 1970	5

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26 FEB 1971	3.5	22 APR 1971	6.5	21 JUN 1970	13	16 AUG 1970	18.5	18 OCT 1970	12	18 DEC 1970	5
27 FEB 1971	3	23 APR 1971	6.5	22 JUN 1970	13.5	19 AUG 1970	18.5	19 OCT 1970	12	19 DEC 1970	4.5
28 FEB 1971	3	24 APR 1971	7	23 JUN 1970	14	20 AUG 1970	18	20 OCT 1970	11.5	20 DEC 1970	4.5
1 FEB 1972	1	25 APR 1971	7	24 JUN 1970	14.5	21 AUG 1970	18	21 OCT 1970	11	21 DEC 1970	4.5
2 FEB 1972	1.5	26 APR 1971	7	25 JUN 1970	15	22 AUG 1970	18	22 OCT 1970	11	22 DEC 1970	4
3 FEB 1972	1.5	27 APR 1971	7	26 JUN 1970	15.5	23 AUG 1970	18	23 OCT 1970	11	23 DEC 1970	4
4 FEB 1972	1.5	28 APR 1971	7	27 JUN 1970	14	24 AUG 1970	18	24 OCT 1970	10	24 DEC 1970	4
5 FEB 1972	2	29 APR 1971	7	28 JUN 1970	14	25 AUG 1970	18.5	25 OCT 1970	9.5	25 DEC 1970	3.5
6 FEB 1972	2	30 APR 1971	7	29 JUN 1970	14	26 AUG 1970	18	26 OCT 1970	9.5	26 DEC 1970	3.5
7 FEB 1972	2.5	1 APR 1972	5	30 JUN 1970	14	27 AUG 1970	18	27 OCT 1970	10	27 DEC 1970	3.5
8 FEB 1972	3	2 APR 1972	5.5	1 JUN 1971	9	28 AUG 1970	18	28 OCT 1970	10	28 DEC 1970	3.5
9 FEB 1972	2.5	3 APR 1972	5.5	2 JUN 1971	8.5	29 AUG 1970	18	29 OCT 1970	10	29 DEC 1970	3.5
10 FEB 1972	3	4 APR 1972	5.5	3 JUN 1971	8.5	30 AUG 1970	18	30 OCT 1970	9.5	30 DEC 1970	3.5
11 FEB 1972	2.5	5 APR 1972	5.5	4 JUN 1971	8	31 AUG 1970	18	31 OCT 1970	9.5	31 DEC 1970	3.5
12 FEB 1972	2	6 APR 1972	5	5 JUN 1971	8.5	1 AUG 1971	17	1 OCT 1971	14.5	1 DEC 1971	6.5
13 FEB 1972	3	7 APR 1972	5	6 JUN 1971	8.5	2 AUG 1971	17.5	2 OCT 1971	14.5	2 DEC 1971	6.5
14 FEB 1972	2.5	8 APR 1972	4.5	7 JUN 1971	9	3 AUG 1971	17	3 OCT 1971	14.5	3 DEC 1971	6.5
15 FEB 1972	2	9 APR 1972	4.5	8 JUN 1971	9	4 AUG 1971	17	4 OCT 1971	14	4 DEC 1971	6.5
16 FEB 1972	3	10 APR 1972	5	9 JUN 1971	9	5 AUG 1971	16	5 OCT 1971	14.5	5 DEC 1971	6.5
17 FEB 1972	3	11 APR 1972	5	10 JUN 1971	9	6 AUG 1971	16	6 OCT 1971	14.5	6 DEC 1971	6.5
18 FEB 1972	3	12 APR 1972	5	11 JUN 1971	9.5	7 AUG 1971	16.5	7 OCT 1971	14.5	7 DEC 1971	6
19 FEB 1972	3	13 APR 1972	5	12 JUN 1971	9.5	8 AUG 1971	16.5	8 OCT 1971	14.5	8 DEC 1971	6
20 FEB 1972	3.5	14 APR 1972	4.5	13 JUN 1971	9.5	9 AUG 1971	16.5	9 OCT 1971	14.5	9 DEC 1971	6
21 FEB 1972	3.5	15 APR 1972	4.5	14 JUN 1971	9.5	10 AUG 1971	18.5	10 OCT 1971	14.5	10 DEC 1971	6
22 FEB 1972	3.5	16 APR 1972	4.5	15 JUN 1971	9.5	11 AUG 1971	18.5	11 OCT 1971	14	11 DEC 1971	5.5
23 FEB 1972	3.5	17 APR 1972	4.5	16 JUN 1971	10	12 AUG 1971	18.5	12 OCT 1971	14	12 DEC 1971	5.5
24 FEB 1972	3.5	18 APR 1972	4.5	17 JUN 1971	10.5	13 AUG 1971	18.5	13 OCT 1971	14	13 DEC 1971	5.5
25 FEB 1972	3.5	19 APR 1972	5.5	18 JUN 1971	11.5	14 AUG 1971	18.5	14 OCT 1971	14	14 DEC 1971	5.5
26 FEB 1972	3.5	20 APR 1972	5.5	19 JUN 1971	11	15 AUG 1971	19	15 OCT 1971	13.5	15 DEC 1971	5.5
27 FEB 1972	4	21 APR 1972	5.5	20 JUN 1971	11	16 AUG 1971	19	16 OCT 1971	13.5	16 DEC 1971	5.5
28 FEB 1972	4	22 APR 1972	5.5	21 JUN 1971	11	17 AUG 1971	19	17 OCT 1971	13	17 DEC 1971	5
29 FEB 1972	4	23 APR 1972	5.5	22 JUN 1971	11	18 AUG 1971	19.5	18 OCT 1971	13	18 DEC 1971	4.5
1 FEB 1973	3.5	24 APR 1972	5.5	23 JUN 1971	11	19 AUG 1971	19	19 OCT 1971	12.5	19 DEC 1971	4.5
2 FEB 1973	3.5	25 APR 1972	5.5	24 JUN 1971	11	20 AUG 1971	19	20 OCT 1971	12.5	20 DEC 1971	4.5
3 FEB 1973	3.5	26 APR 1972	6	25 JUN 1971	11.5	21 AUG 1971	18.5	21 OCT 1971	12	21 DEC 1971	4.5
4 FEB 1973	3.5	27 APR 1972	7	26 JUN 1971	11.5	22 AUG 1971	17	22 OCT 1971	12	22 DEC 1971	4.5
5 FEB 1973	3.5	28 APR 1972	6.5	27 JUN 1971	12	23 AUG 1971	16.5	23 OCT 1971	11.5	23 DEC 1971	4.5
6 FEB 1973	3.5	29 APR 1972	6.5	28 JUN 1971	11.5	24 AUG 1971	16.5	24 OCT 1971	11.5	24 DEC 1971	4.5
7 FEB 1973	3.5	30 APR 1972	6.5	29 JUN 1971	11.5	25 AUG 1971	17	25 OCT 1971	11.5	25 DEC 1971	4
8 FEB 1973	3	1 APR 1973	5.5	30 JUN 1971	11	26 AUG 1971	17.5	26 OCT 1971	11	26 DEC 1971	3.5
9 FEB 1973	3	2 APR 1973	5.5	1 JUN 1972	9.5	27 AUG 1971	18	27 OCT 1971	11	27 DEC 1971	3.5
10 FEB 1973	3	3 APR 1973	5.5	2 JUN 1972	9.5	28 AUG 1971	18.5	28 OCT 1971	11	28 DEC 1971	3.5
11 FEB 1973	3	4 APR 1973	5.5	3 JUN 1972	9	29 AUG 1971	18.5	29 OCT 1971	10.5	29 DEC 1971	3.5
12 FEB 1973	3	5 APR 1973	5.5	4 JUN 1972	8.5	30 AUG 1971	18.5	30 OCT 1971	10	30 DEC 1971	3.5
13 FEB 1973	3	6 APR 1973	5.5	5 JUN 1972	8	31 AUG 1971	18	31 OCT 1971	10	31 DEC 1971	3.5
14 FEB 1973	3	7 APR 1973	5.5	6 JUN 1972	8.5	1 AUG 1972	15	1 OCT 1972	13	1 DEC 1972	7.5
15 FEB 1973	3	8 APR 1973	5.5	7 JUN 1972	8	2 AUG 1972	14.5	2 OCT 1972	13	2 DEC 1972	7
16 FEB 1973	3	9 APR 1973	5.5	8 JUN 1972	9	3 AUG 1972	15	3 OCT 1972	13	3 DEC 1972	7
17 FEB 1973	3	10 APR 1973	5.5	9 JUN 1972	9.5	4 AUG 1972	15	4 OCT 1972	13	4 DEC 1972	7
18 FEB 1973	3	11 APR 1973	5	10 JUN 1972	10	5 AUG 1972	15.5	5 OCT 1972	12.5	5 DEC 1972	6.5
19 FEB 1973	3	12 APR 1973	5.5	11 JUN 1972	10	6 AUG 1972	15.5	6 OCT 1972	12.5	6 DEC 1972	6.5
20 FEB 1973	3	13 APR 1973	5.5	12 JUN 1972	8.5	7 AUG 1972	15.5	7 OCT 1972	12.5	7 DEC 1972	6.5
21 FEB 1973	3	14 APR 1973	6	13 JUN 1972	8	8 AUG 1972	16	8 OCT 1972	12	8 DEC 1972	6
22 FEB 1973	3.5	15 APR 1973	5.5	14 JUN 1972	9	9 AUG 1972	16	9 OCT 1972	12	9 DEC 1972	6
23 FEB 1973	3.5	16 APR 1973	5.5	15 JUN 1972	9	10 AUG 1972	16.5	10 OCT 1972	12	10 DEC 1972	6

COLUMBIA RIVER AT TRAIL - STATION NO. 08NE003

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

24 FEB 1973	3.5	17 APR 1973	5.5	10 JUN 1972	9	11 AUG 1972	15.5	11 OCT 1972	12	11 DEC 1972	6
25 FEB 1973	3.5	18 APR 1973	5.5	17 JUN 1972	10	12 AUG 1972	15.5	12 OCT 1972	11.5	12 DEC 1972	5.5
26 FEB 1973	3.5	19 APR 1973	6	18 JUN 1972	10	13 AUG 1972	16	13 OCT 1972	11.5	13 DEC 1972	5.5
27 FEB 1973	3.5	20 APR 1973	6	19 JUN 1972	10	14 AUG 1972	16	14 OCT 1972	11	14 DEC 1972	5.5
28 FEB 1973	4	21 APR 1973	6	20 JUN 1972	9.5	15 AUG 1972	15.5	15 OCT 1972	11	15 DEC 1972	5.5
1 FEB 1974	3.5	22 APR 1973	6	21 JUN 1972	9.5	16 AUG 1972	16	16 OCT 1972	11	16 DEC 1972	5.5
2 FEB 1974	3.5	23 APR 1973	6	22 JUN 1972	9.5	17 AUG 1972	16.5	17 OCT 1972	11	17 DEC 1972	5
3 FEB 1974	3.5	24 APR 1973	6.5	23 JUN 1972	9.5	18 AUG 1972	16	18 OCT 1972	11	18 DEC 1972	5
4 FEB 1974	3.5	25 APR 1973	5.5	24 JUN 1972	9.5	19 AUG 1972	15.5	19 OCT 1972	11	19 DEC 1972	5
5 FEB 1974	3.5	26 APR 1973	6.5	25 JUN 1972	9	20 AUG 1972	16.5	20 OCT 1972	11	20 DEC 1972	5
6 FEB 1974	3.5	27 APR 1973	6.5	26 JUN 1972	9	21 AUG 1972	16.5	21 OCT 1972	11	21 DEC 1972	4.5
7 FEB 1974	3.5	28 APR 1973	6	28 JUN 1972	9.5	23 AUG 1972	16.5	23 OCT 1972	11	23 DEC 1972	4.5
8 FEB 1974	4	29 APR 1973	6.5	29 JUN 1972	10	24 AUG 1972	17	24 OCT 1972	11	24 DEC 1972	4.5
9 FEB 1974	3.5	30 APR 1973	6.5	30 JUN 1972	10.5	25 AUG 1972	16.5	25 OCT 1972	11	25 DEC 1972	4.5
10 FEB 1974	4	1 APR 1974	5	1 JUN 1973	10.5	26 AUG 1972	17	26 OCT 1972	11	26 DEC 1972	4.5
11 FEB 1974	4	2 APR 1974	5	2 JUN 1973	10.5	27 AUG 1972	17	27 OCT 1972	11	27 DEC 1972	4.5
12 FEB 1974	3.5	3 APR 1974	5	3 JUN 1973	11	28 AUG 1972	17	28 OCT 1972	11	28 DEC 1972	4.5
13 FEB 1974	4	4 APR 1974	5	4 JUN 1973	11	29 AUG 1972	18	29 OCT 1972	10.5	29 DEC 1972	4.5
14 FEB 1974	4	5 APR 1974	5	5 JUN 1973	11.5	30 AUG 1972	18.5	30 OCT 1972	10	30 DEC 1972	4.5
15 FEB 1974	4	6 APR 1974	5	6 JUN 1973	12	31 AUG 1972	18	31 OCT 1972	10	31 DEC 1972	4.5
16 FEB 1974	3.5	7 APR 1974	6	7 JUN 1973	11.5	1 AUG 1973	17	1 OCT 1973	13.5	1 DEC 1973	4.5
17 FEB 1974	4	8 APR 1974	6	8 JUN 1973	11.5	2 AUG 1973	16	2 OCT 1973	13.5	2 DEC 1973	4.5
18 FEB 1974	3.5	9 APR 1974	6.5	9 JUN 1973	11.5	3 AUG 1973	16	3 OCT 1973	13.5	3 DEC 1973	4.5
19 FEB 1974	3.5	10 APR 1974	5.5	10 JUN 1973	11	4 AUG 1973	16	4 OCT 1973	13	4 DEC 1973	5
20 FEB 1974	3.5	11 APR 1974	5.5	11 JUN 1973	11	5 AUG 1973	16	5 OCT 1973	13	5 DEC 1973	4.5
21 FEB 1974	3.5	12 APR 1974	5.5	12 JUN 1973	11.5	6 AUG 1973	17.5	6 OCT 1973	12	6 DEC 1973	4.5
22 FEB 1974	3.5	13 APR 1974	6	13 JUN 1973	11.5	7 AUG 1973	18	7 OCT 1973	12	7 DEC 1973	4.5
23 FEB 1974	3.5	14 APR 1974	6	14 JUN 1973	11.5	8 AUG 1973	17	8 OCT 1973	12	8 DEC 1973	4.5
24 FEB 1974	3.5	15 APR 1974	6.5	15 JUN 1973	11.5	9 AUG 1973	17	9 OCT 1973	12.5	9 DEC 1973	4.5
25 FEB 1974	3.5	16 APR 1974	6.5	16 JUN 1973	11.5	10 AUG 1973	16.5	10 OCT 1973	12	10 DEC 1973	4.5
26 FEB 1974	3.5	17 APR 1974	6.5	17 JUN 1973	12	11 AUG 1973	16	11 OCT 1973	11.5	11 DEC 1973	4.5
27 FEB 1974	3.5	18 APR 1974	6.5	18 JUN 1973	11.5	12 AUG 1973	17	12 OCT 1973	12	12 DEC 1973	4.5
28 FEB 1974	3.5	19 APR 1974	6.5	19 JUN 1973	11.5	13 AUG 1973	17	13 OCT 1973	12	13 DEC 1973	4.5
1 FEB 1975	3	20 APR 1974	6.5	20 JUN 1973	11.5	14 AUG 1973	16.5	14 OCT 1973	11.5	14 DEC 1973	4.5
2 FEB 1975	3	21 APR 1974	6.5	21 JUN 1973	12	15 AUG 1973	16.5	15 OCT 1973	11.5	15 DEC 1973	4.5
3 FEB 1975	3	22 APR 1974	6.5	22 JUN 1973	12.5	16 AUG 1973	16.5	16 OCT 1973	11.5	16 DEC 1973	4.5
4 FEB 1975	3	23 APR 1974	6.5	23 JUN 1973	12.5	17 AUG 1973	16.5	17 OCT 1973	11.5	17 DEC 1973	4.5
5 FEB 1975	2	24 APR 1974	6.5	24 JUN 1973	12.5	18 AUG 1973	16.5	18 OCT 1973	11.5	18 DEC 1973	4.5
6 FEB 1975	2	25 APR 1974	6.5	25 JUN 1973	12.5	19 AUG 1973	16.5	19 OCT 1973	11.5	19 DEC 1973	4
7 FEB 1975	2	26 APR 1974	6	26 JUN 1973	13	20 AUG 1973	16.5	20 OCT 1973	11	20 DEC 1973	4
8 FEB 1975	2	27 APR 1974	6	27 JUN 1973	13.5	21 AUG 1973	16.5	21 OCT 1973	11.5	21 DEC 1973	4
9 FEB 1975	2	28 APR 1974	6.5	28 JUN 1973	14	22 AUG 1973	16.5	22 OCT 1973	11	22 DEC 1973	4
10 FEB 1975	2	29 APR 1974	6.5	29 JUN 1973	14.5	23 AUG 1973	16	23 OCT 1973	11	23 DEC 1973	3.5
11 FEB 1975	3	30 APR 1974	6	30 JUN 1973	14.5	24 AUG 1973	16	24 OCT 1973	11	24 DEC 1973	3.5
12 FEB 1975	3	1 APR 1975	3.5	1 JUN 1974	14.5	25 AUG 1973	16	25 OCT 1973	11	25 DEC 1973	3.5
13 FEB 1975	3.5	2 APR 1975	3.5	2 JUN 1974	14.5	26 AUG 1973	16	26 OCT 1973	11.5	26 DEC 1973	6.5
14 FEB 1975	3.5	3 APR 1975	4	3 JUN 1974	14.5	27 AUG 1973	16.5	27 OCT 1973	10.5	27 DEC 1973	7
15 FEB 1975	2	4 APR 1975	3.5	4 JUN 1974	14	28 AUG 1973	16.5	28 OCT 1973	10	28 DEC 1973	7
16 FEB 1975	3	5 APR 1975	4	5 JUN 1974	9	29 AUG 1973	16	29 OCT 1973	9.5	29 DEC 1973	6.5
17 FEB 1975	3	6 APR 1975	4	6 JUN 1974	9.5	30 AUG 1973	16	30 OCT 1973	9.5	30 DEC 1973	6.5
18 FEB 1975	3.5	7 APR 1975	4.5	7 JUN 1974	9	31 AUG 1973	16	31 OCT 1973	9.5	31 DEC 1973	6.5
19 FEB 1975	3	8 APR 1975	4.5	8 JUN 1974	10	1 AUG 1974	16.5	1 OCT 1974	9.5	1 DEC 1974	6.5
20 FEB 1975	3.5	9 APR 1975	4.5	9 JUN 1974	10	2 AUG 1974	17	2 OCT 1974	14.5	2 DEC 1974	6.5
21 FEB 1975	2	10 APR 1975	4.5	10 JUN 1974	10	3 AUG 1974	16.5	3 OCT 1974	14	3 DEC 1974	6.5
22 FEB 1975	3	11 APR 1975	4.5	10 JUN 1974	10.5						

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C												
15°C												
10°C												
5°C												
0°C												

XX 222 12
 XX 327773227132
 X222 4263644666 243
 X2 21X322 XX 1X2
 X3XX4719367A 4392 47972X3X
 2345466 6564647734 224765533
 X4 32XX46 3722432524 3985874X33
 X 1X3 33364 2332X32 X4 43X376472214
 X-X-232X34X+3X-22X2X3+4-22X35275+22
 3 21X3533382 X122X222434 33X22356681645X
 2XX4 2552282 X1 X2X X 2332X 44 28244
 X423217385 21 X2 X2 X333X 3696642
 X44155422 X23 XX 2X4 345569XX
 XX2X1XX XX XX 21 22 4X2
 2X327937414XX2X2 X 3443865
 X54563555133242X X 22236961
 X3 2777EX573513 XX XX2223596817X
 X4XXX41342322 X1 X42 36165
 2-XX3X5+6477X6X-X
 X 25515X346 23 X1
 33 X3791334X2X 3
 XX 457855135 X
 2358758754123X X
 X2X322XX41
 X 3 X43 689653322 X
 XX1 X4 X35856 688326
 X3335136226498671523
 2332XX2217896768752154
 X+332-2-36345325322+X
 133 X X X 21X33356969E 438665 X
 796523695413 X46463E 18X485E9659 44 X
 269668796 9E6866E 18666645873 2X
 43468764291943758534 446633
 X 46XXX1 43X X1X3
 354 X 53 444534331X
 X X3X X2 233X
 24613X
 21X
 XX23393663-
 XXX291969664
 X 22157589863
 X466695651
 4X333794314
 XX3 22X1X
 43263398198X
 X23554176673
 X23X61337865X
 32136776962
 X+X-6394669+
 2 367665E
 X6831
 461
 X1
 21

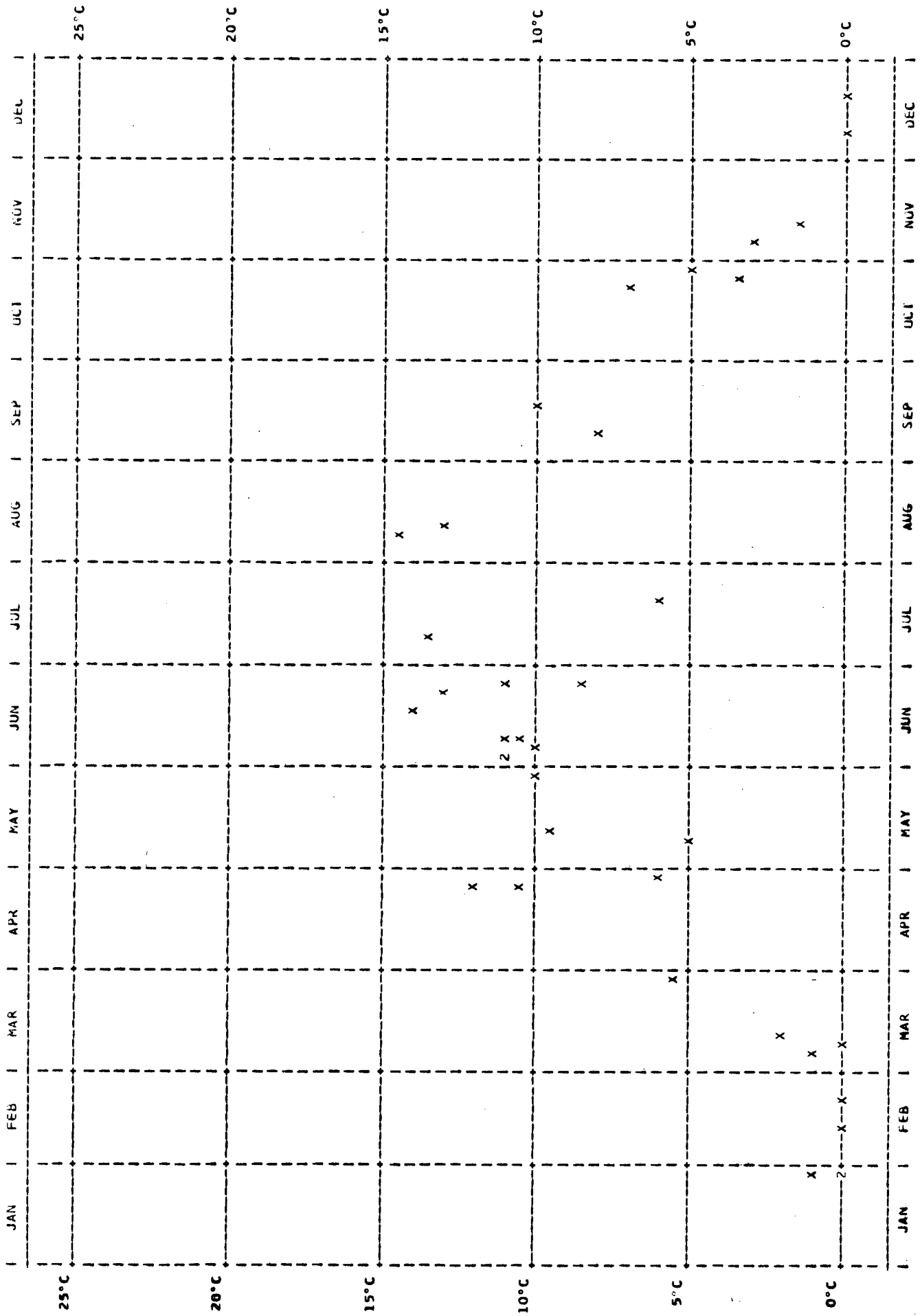
COLUMBIA RIVER AT TRAIL - STATION NO. OBNE003

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS (CONTINUED)

23 FEB 1975	3	12 APR 1975	4.5	11 JUN 1974	11	4 AUG 1974	16.5	4 OCT 1974	13.5	11 DEC 1974	6.5
24 FEB 1975	3.5	13 APR 1975	4.5	12 JUN 1974	11	5 AUG 1974	17	5 OCT 1974	13.5	12 DEC 1974	6.5
25 FEB 1975	3.5	14 APR 1975	5	13 JUN 1974	11	6 AUG 1974	16.5	6 OCT 1974	13.5	13 DEC 1974	6.5
26 FEB 1975	3	15 APR 1975	5	14 JUN 1974	11	7 AUG 1974	18	7 OCT 1974	13.5	14 DEC 1974	6.5
27 FEB 1975	3	16 APR 1975	5	17 JUN 1974	11	8 AUG 1974	18	8 OCT 1974	13	15 DEC 1974	6
28 FEB 1975	3.5	17 APR 1975	5.5	18 JUN 1974	11.5	9 AUG 1974	16	9 OCT 1974	13.5	16 DEC 1974	6
1 FEB 1976	4	18 APR 1975	5.5	19 JUN 1974	12	10 AUG 1974	17	10 OCT 1974	13.5	17 DEC 1974	6
2 FEB 1976	4	19 APR 1975	5	20 JUN 1974	12	11 AUG 1974	16.5	11 OCT 1974	13.5	18 DEC 1974	5.5
3 FEB 1976	4	20 APR 1975	5	21 JUN 1974	12	12 AUG 1974	16.5	12 OCT 1974	13	19 DEC 1974	5.5
4 FEB 1976	3.5	21 APR 1975	5.5	22 JUN 1974	11	13 AUG 1974	16.5	13 OCT 1974	13	20 DEC 1974	5.5
5 FEB 1976	3.5	22 APR 1975	5.5	23 JUN 1974	11	14 AUG 1974	16.5	14 OCT 1974	12	21 DEC 1974	5.5
6 FEB 1976	3.5	23 APR 1975	5.5	24 JUN 1974	11	15 AUG 1974	16.5	15 OCT 1974	13	22 DEC 1974	5.5
7 FEB 1976	3.5	24 APR 1975	5	25 JUN 1974	11	16 AUG 1974	15	16 OCT 1974	13	23 DEC 1974	5.5
8 FEB 1976	3.5	25 APR 1975	5	26 JUN 1974	12	17 AUG 1974	15	17 OCT 1974	13	24 DEC 1974	5
9 FEB 1976	3.5	26 APR 1975	5.5	1 JUN 1975	9.5	18 AUG 1974	16	18 OCT 1974	13	25 DEC 1974	5
10 FEB 1976	3.5	27 APR 1975	5.5	2 JUN 1975	9	19 AUG 1974	16	19 OCT 1974	12	26 DEC 1974	5
11 FEB 1976	4	28 APR 1975	5.5	3 JUN 1975	9.5	20 AUG 1974	15.5	20 OCT 1974	12	27 DEC 1974	5
12 FEB 1976	4	29 APR 1975	6	4 JUN 1975	10	21 AUG 1974	16	21 OCT 1974	12	28 DEC 1974	4.5
13 FEB 1976	4	30 APR 1975	6	5 JUN 1975	10.5	22 AUG 1974	16	22 OCT 1974	12	29 DEC 1974	4.5
14 FEB 1976	4	1 APR 1976	4	6 JUN 1975	11	23 AUG 1974	16	23 OCT 1974	12	30 DEC 1974	4.5
15 FEB 1976	4	2 APR 1976	4	7 JUN 1975	10	24 AUG 1974	16.5	24 OCT 1974	12	31 DEC 1974	4.5
16 FEB 1976	4	3 APR 1976	4.5	8 JUN 1975	10	25 AUG 1974	17	25 OCT 1974	11.5	1 DEC 1975	5.5
17 FEB 1976	4	4 APR 1976	4.5	9 JUN 1975	10	26 AUG 1974	17	26 OCT 1974	11.5	2 DEC 1975	6
18 FEB 1976	4	5 APR 1976	4.5	10 JUN 1975	10.5	27 AUG 1974	18	27 OCT 1974	11.5	3 DEC 1975	6
19 FEB 1976	4	6 APR 1976	5	11 JUN 1975	11.5	28 AUG 1974	18	28 OCT 1974	11.5	4 DEC 1975	6
20 FEB 1976	4	7 APR 1976	5	12 JUN 1975	11.5	29 AUG 1974	18	29 OCT 1974	11.5	5 DEC 1975	5.5
21 FEB 1976	4	8 APR 1976	5.5	13 JUN 1975	11.5	30 AUG 1974	18	30 OCT 1974	11.5	6 DEC 1975	5.5
22 FEB 1976	4	9 APR 1976	5.5	14 JUN 1975	11.5	31 AUG 1974	18	31 OCT 1974	11.5	7 DEC 1975	5.5
23 FEB 1976	4	10 APR 1976	5.5	15 JUN 1975	11.5	1 AUG 1975	17	1 OCT 1975	13.5	8 DEC 1975	5.5
24 FEB 1976	4	11 APR 1976	5.5	16 JUN 1975	11.5	2 AUG 1975	17	2 OCT 1975	13.5	9 DEC 1975	5.5
25 FEB 1976	4	12 APR 1976	6	17 JUN 1975	12	3 AUG 1975	17	3 OCT 1975	15	10 DEC 1975	5
26 FEB 1976	4	13 APR 1976	6	18 JUN 1975	12	4 AUG 1975	17.5	4 OCT 1975	14.5	11 DEC 1975	5
27 FEB 1976	4	14 APR 1976	5.5	19 JUN 1975	12	5 AUG 1975	18	5 OCT 1975	14	12 DEC 1975	4.5
28 FEB 1976	4	15 APR 1976	5.5	20 JUN 1975	12	6 AUG 1975	18.5	6 OCT 1975	13	13 DEC 1975	4.5
29 FEB 1976	4	16 APR 1976	5.5	21 JUN 1975	12	7 AUG 1975	18.5	7 OCT 1975	13	14 DEC 1975	4.5
		17 APR 1976	5.5	22 JUN 1975	13	8 AUG 1975	18	8 OCT 1975	13.5	15 DEC 1975	4.5
		18 APR 1976	5.5	23 JUN 1975	12	9 AUG 1975	18.5	9 OCT 1975	13	16 DEC 1975	4.5
		19 APR 1976	5.5	24 JUN 1975	12	10 AUG 1975	18.5	10 OCT 1975	13.5	17 DEC 1975	4.5
		20 APR 1976	6	25 JUN 1975	11.5	11 AUG 1975	18	11 OCT 1975	13.5	18 DEC 1975	4.5
		21 APR 1976	6	26 JUN 1975	11	12 AUG 1975	18.5	12 OCT 1975	13.5	19 DEC 1975	4.5
		22 APR 1976	6	27 JUN 1975	11	13 AUG 1975	18.5	13 OCT 1975	13.5	20 DEC 1975	4.5
		23 APR 1976	6	28 JUN 1975	11	14 AUG 1975	18.5	14 OCT 1975	13.5	21 DEC 1975	5
		24 APR 1976	6	29 JUN 1975	11	15 AUG 1975	18	15 OCT 1975	13.5	22 DEC 1975	5
		25 APR 1976	6	30 JUN 1975	11	16 AUG 1975	18	16 OCT 1975	13	23 DEC 1975	5
		26 APR 1976	6	1 JUN 1976	8	17 AUG 1975	18	17 OCT 1975	13	24 DEC 1975	5
		27 APR 1976	6.5	2 JUN 1976	8	18 AUG 1975	16.5	18 OCT 1975	12	25 DEC 1975	5
		28 APR 1976	6	3 JUN 1976	7	19 AUG 1975	16.5	19 OCT 1975	12	26 DEC 1975	5
		29 APR 1976	6.5	4 JUN 1976	8	20 AUG 1975	17	20 OCT 1975	12	27 DEC 1975	5
		30 APR 1976	6.5	5 JUN 1976	8.5	21 AUG 1975	16.5	21 OCT 1975	12	28 DEC 1975	5
				6 JUN 1976	9	22 AUG 1975	16	22 OCT 1975	11.5	29 DEC 1975	5
				7 JUN 1976	9.5	23 AUG 1975	16.5	23 OCT 1975	11.5	30 DEC 1975	5
				8 JUN 1976	9.5	24 AUG 1975	17	24 OCT 1975	11	31 DEC 1975	5
				9 JUN 1976	10	25 AUG 1975	17	25 OCT 1975	11	1 DEC 1976	8
				10 JUN 1976	9.5	26 AUG 1975	16.5	26 OCT 1975	10.5	2 DEC 1976	8
				11 JUN 1976	10	27 AUG 1975	15.5	27 OCT 1975	11	3 DEC 1976	8

COLUMBIA RIVER NEAR EDGEWATER - STATION NO. 08NA052

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



COLUMBIA RIVER NEAR EDGEWATER - STATION NO. 08NAU52

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

29 JAN 1953	1																					
29 JAN 1954	0																					
31 JAN 1954	0																					
		29 MAR 1950	5.5	1	31 MAY 1952	10	1	21 JUL 1952	6	1	9 SEP 1950	8	10 NOV 1949	1.5								
		5 MAR 1952	1	1	10 MAY 1954	7.5	1	9 JUL 1954	13.5	1	17 SEP 1954	10	6 NOV 1950	5								
		12 MAR 1954	2	1	9 MAY 1956	5	1			1												
		9 MAR 1955	0	1			1			1												
12 FEB 1950	0	27 APR 1949	12	1	5 JUN 1950	10	1	8 AUG 1953	14.5	1	25 OCT 1952	7	8 DEC 1951	0								
20 FEB 1951	0	25 APR 1952	10.5	1	18 JUN 1950	14	1	10 AUG 1955	15	1	30 OCT 1953	5	20 DEC 1955	0								
		28 APR 1955	6	1	7 JUN 1953	10.5	1			1	27 OCT 1955	3.5										
					25 JUN 1953	8.5	1			1												
					3 JUN 1954	11	1			1												
					3 JUN 1955	11	1			1												
					22 JUN 1955	13	1			1												
					8 JUN 1956	11	1			1												
					26 JUN 1956	11	1			1												

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
25°C												
20°C						X	X	XX				
15°C					X	X	X	XX	X			
10°C					X	X	XX	XZ	X			
5°C					X	X	XX		X			
0°C	X	XX	X	X	X	X	X		X	XX	X	X

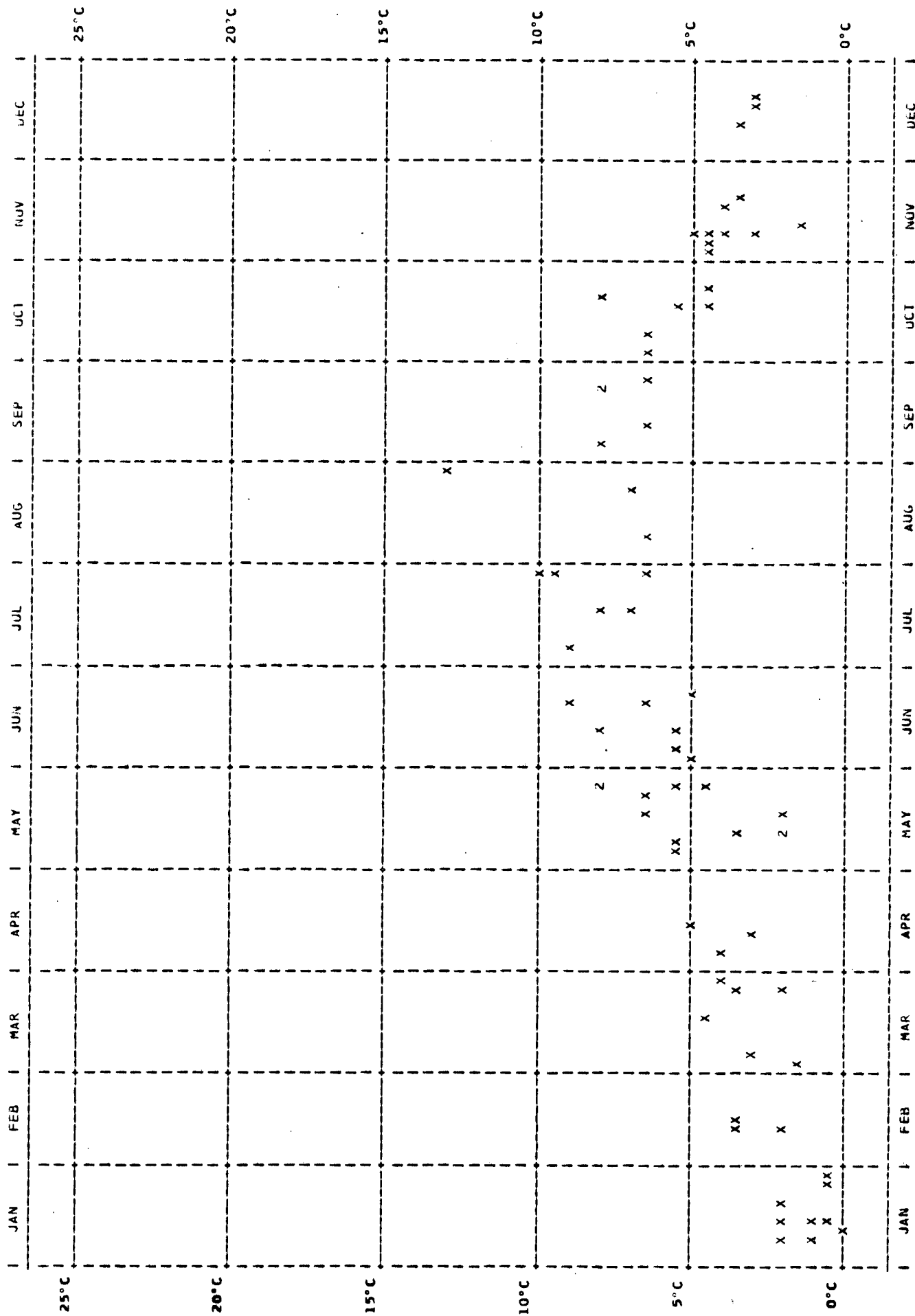
COLUMBIA RIVER NEAR FALKMOMI HOT SPRINGS - STATION NO. 08NA045

SPJT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

24 JAN 1951	1			23 JUL 1952	14.5		21 SEP 1953	11.5		14 NOV 1949	2
30 JAN 1954	1	5 MAY 1949	0	5 JUL 1953	14.5		15 SEP 1960	12		21 NOV 1956	1.5
28 JAN 1955	1	20 MAY 1950	8.5	14 JUL 1954	11.5		28 SEP 1961	8		5 NOV 1959	0.5
29 JAN 1957	0	15 MAY 1952	3.5	18 JUL 1956	15.5		30 SEP 1965	10		18 NOV 1960	3
13 JAN 1953	0	8 MAY 1956	11	31 JUL 1961	16		27 SEP 1968	14		10 NOV 1961	4
6 JAN 1953	3	16 MAY 1957	14	15 JUL 1965	14		27 SEP 1971	9.5		6 NOV 1967	0.5
17 JAN 1962	0	9 MAY 1958	15	11 JUL 1968	19.5		19 SEP 1973	13.5		8 NOV 1968	1.5
29 JAN 1965	1.5	10 MAY 1960	4.5	19 JUL 1968	20.5		24 SEP 1974	15		15 NOV 1968	1.5
6 JAN 1965	1.5	14 MAY 1965	14.5	14 JUL 1971	16.5					22 NOV 1968	3
26 JAN 1967	1	26 MAY 1968	7	10 JUL 1972	11.5					4 NOV 1969	4.5
28 JAN 1970	1.5	19 MAR 1968	4	5 JUL 1973	15.5					19 NOV 1970	1
8 JAN 1971	1.5	6 MAY 1970	15	18 JUL 1974	14					24 NOV 1972	1
15 JAN 1973	3.5	20 MAY 1971	12							22 NOV 1973	1
9 JAN 1974	0.5	21 MAY 1971	12							28 NOV 1974	1.5
		25 MAY 1972	8.5								
		25 MAY 1974	11								
12 FEB 1950	3	19 JUN 1950	11	10 AUG 1949	18.5		7 OCT 1952	9		10 DEC 1950	1
16 FEB 1953	1	1 JUN 1951	10.5	7 AUG 1950	14		13 OCT 1954	8.5		9 DEC 1954	1
13 FEB 1956	3	26 JUN 1951	10	16 AUG 1951	13.5		27 OCT 1955	4.5		19 DEC 1955	0
12 FEB 1959	2	12 JUN 1953	10	11 AUG 1953	14		2 OCT 1956	11.5		10 DEC 1968	2
17 FEB 1961	1.5	7 JUN 1954	9.5	8 AUG 1955	18		4 OCT 1957	6.5		9 DEC 1971	0.5
21 FEB 1963	3.5	1 JUN 1955	11	26 AUG 1957	15		31 OCT 1962	4.5			
11 FEB 1964	3.5	20 JUN 1955	15.5	8 AUG 1958	18.5		2 OCT 1964	8.5			
17 FEB 1966	2	5 JUN 1955	8	9 AUG 1955	20.5		11 OCT 1968	10			
6 FEB 1969	1.5	23 JUN 1955	12	25 AUG 1966	15.5		20 OCT 1970	1.5			
2 FEB 1971	3	21 JUN 1957	16.5	12 AUG 1969	14		28 OCT 1971	2			
15 FEB 1972	0.5	4 JUN 1958	17	10 AUG 1971	20		5 OCT 1972	8.5			
28 FEB 1972	2	30 JUN 1958	17	11 AUG 1972	16.5						
15 FEB 1973	3.5	5 JUN 1959	11	14 AUG 1973	20						
		15 JUN 1961	15.5								
		21 JUN 1962	14								
		14 JUN 1963	11.5								
		18 JUN 1965	11.5								
		10 JUN 1966	9								
		21 JUN 1967	14.5								
		29 JUN 1968	15								
		5 JUN 1969	13								
		19 JUN 1970	12								
		26 JUN 1970	15.5								
		11 JUN 1971	11.5								
		16 JUN 1971	11.5								
		5 JUN 1972	10.5								
		16 JUN 1972	11.5								
		15 JUN 1973	14.5								
		20 JUN 1974	11								
		26 JUN 1974	12								

COQUIHALLA RIVER BELOW NEEDLE CREEK - STATION NO. 08MF062
 SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

449



COQUITLAM RIVER AT PORT COQUITLAM - STATION NO. 08MH002
 SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

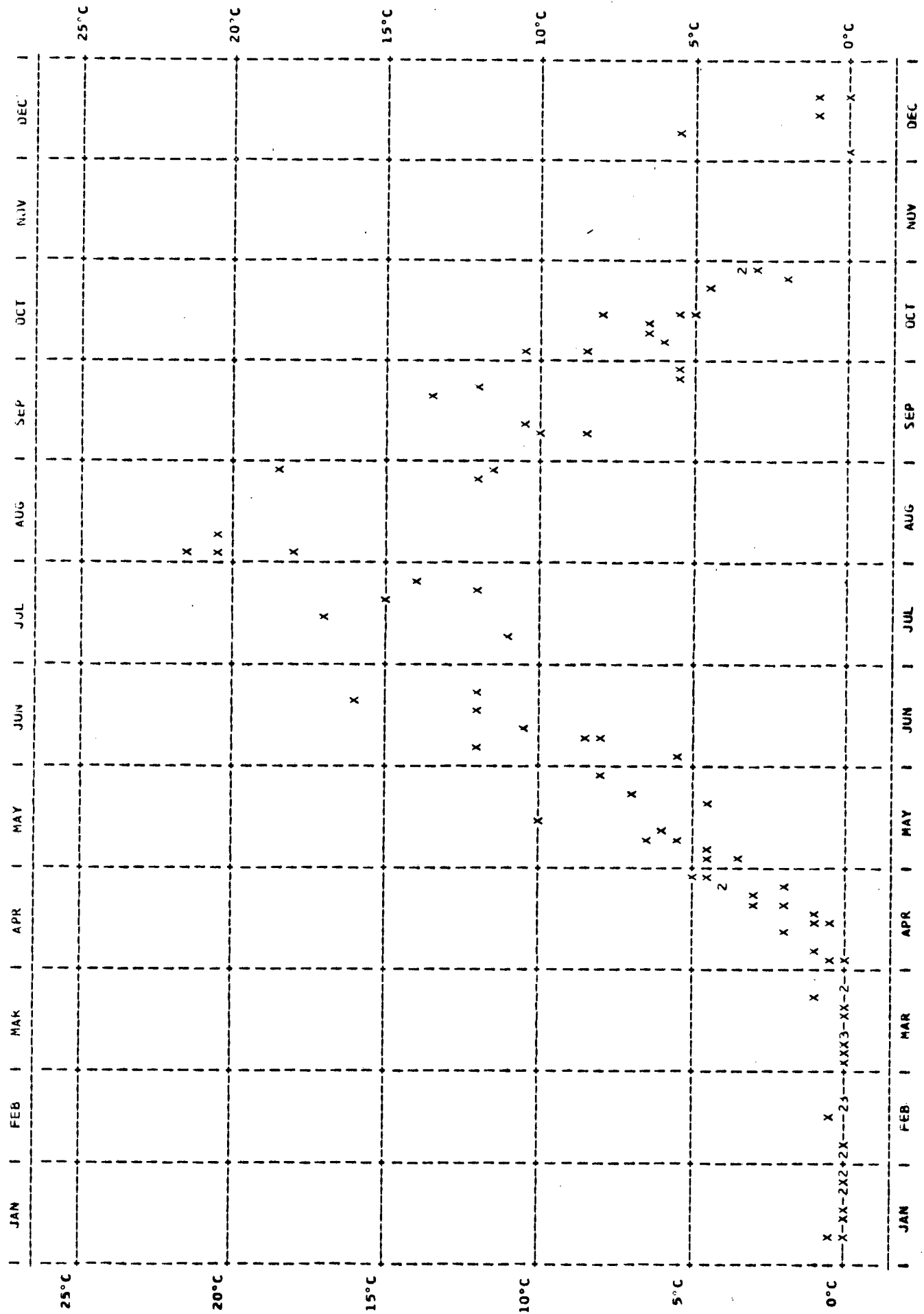
11 JAN 1961	6.5	15 MAR 1960	8	25 MAY 1960	9.5	23 JUL 1968	16	12 SEP 1960	16.5	23 NOV 1962	8
16 JAN 1961	5	27 MAR 1961	5	3 MAY 1961	6.5	16 JUL 1975	14.5	5 SEP 1961	19	20 NOV 1968	8
17 JAN 1961	5.5	5 MAR 1962	2	5 MAY 1971	6.5			15 SEP 1961	19	1 NOV 1972	1.5
8 JAN 1962	4.5	15 MAR 1964	4.5	21 MAY 1971	12			24 SEP 1962	11	2 NOV 1972	6
10 JAN 1963	0.5	10 MAR 1972	4	25 MAY 1971	6			20 SEP 1968	10.5	3 NOV 1972	9
19 JAN 1972	1.5	12 MAR 1976	3.5	1 MAY 1972	9.5			21 SEP 1971	6	29 NOV 1974	5.5
10 JAN 1973	0			8 MAY 1973	8.5			23 SEP 1971	6.5	5 NOV 1975	8.5
15 JAN 1973	5.5			21 MAY 1974	10			13 SEP 1972	10.5	21 NOV 1975	6.5
15 JAN 1974	4.5							9 SEP 1974	15	2 NOV 1976	8.5
24 JAN 1974	4									19 NOV 1976	8.5
17 JAN 1975	3										
12 JAN 1976	2										
27 JAN 1975	4.5										
29 JAN 1975	5										
23 FEB 1960	3.5	30 APR 1963	8.5	2 JUN 1971	3.5	25 AUG 1961	18	25 OCT 1960	9.5	30 DEC 1960	5.5
26 FEB 1963	6	9 APR 1970	6.5	25 JUN 1974	9	30 AUG 1963	15.5	23 OCT 1963	10	23 DEC 1970	1
28 FEB 1969	8	19 APR 1971	9.5	24 JUN 1975	8.5	22 AUG 1968	13.5	16 OCT 1972	4	5 DEC 1972	3
13 FEB 1971	4.5	26 APR 1971	9	15 JUN 1976	9	28 AUG 1973	13.5	15 OCT 1973	10.5	4 DEC 1973	6
19 FEB 1974	4	18 APR 1975	5.5			5 AUG 1976	11.5	30 OCT 1973	9.5	11 DEC 1973	5.5
12 FEB 1976	3.5					25 AUG 1976	15	17 OCT 1975	10	28 DEC 1973	3.5
25 FEB 1976	4.5							23 OCT 1975	8.5	6 DEC 1974	6
								31 OCT 1975	7	22 DEC 1975	3.5
										30 DEC 1975	4.5
										31 DEC 1976	5

COTTONWOOD RIVER ABOVE BASS CREEK - STATION NO. 13ACCG05

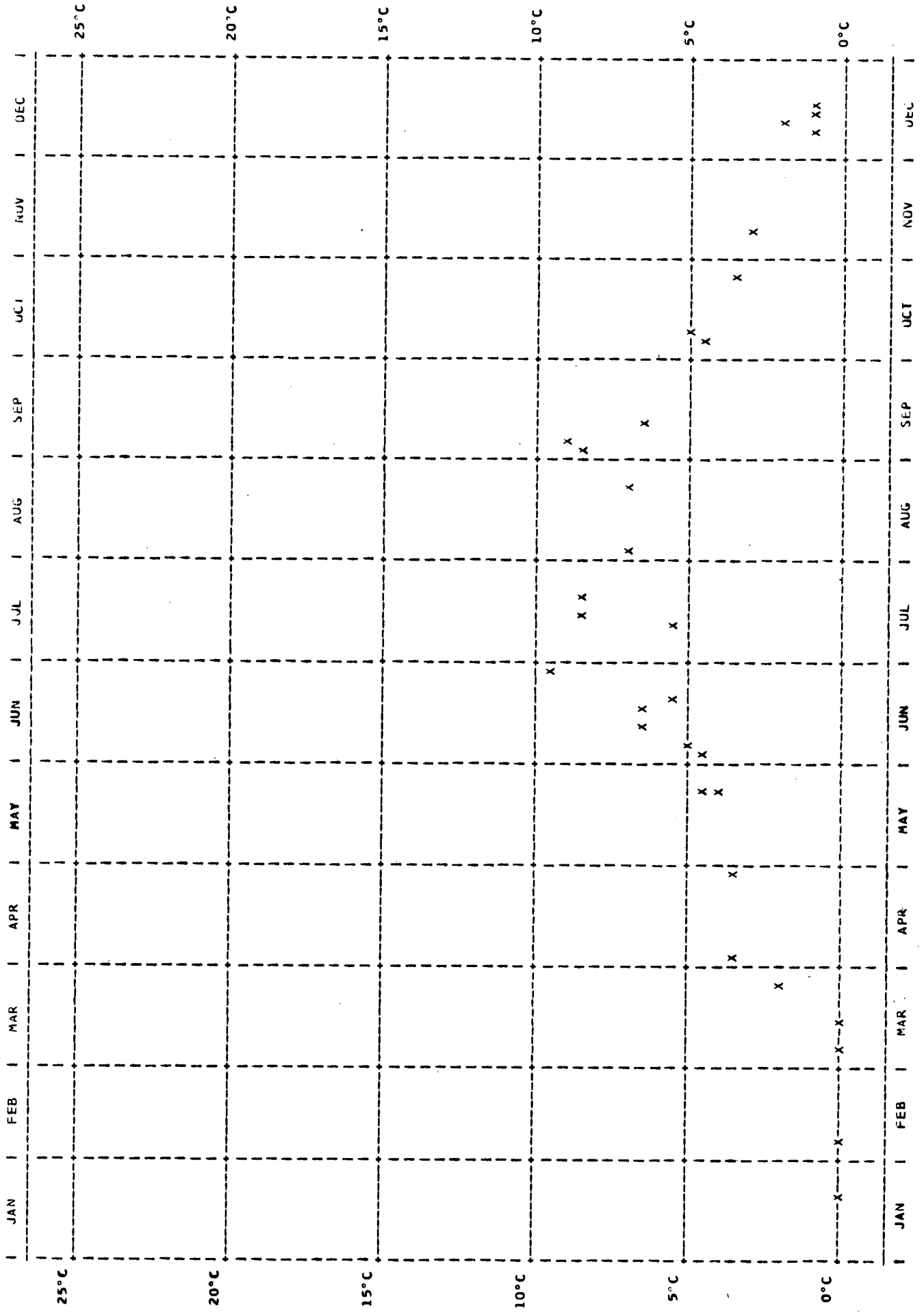
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

15 JAN 1964	0																			
			16 MAY 1964	5		30 JUL 1964	7			28 SEP 1964	7									
			29 MAY 1967	4.5		6 JUL 1965	6			8 SEP 1966	7									
			3 MAY 1972	0		15 JUL 1970	6			29 SEP 1967	4									
			29 MAY 1972	3.5		6 JUL 1971	10			5 SEP 1976	8.5									
			30 MAY 1972	3.5		19 JUL 1972	11													
			12 MAY 1974	3		25 JUL 1973	9.5													
			5 MAY 1975	4.5		31 JUL 1974	9													
22 FEB 1972	0		11 JUN 1967	6		18 AUG 1965	10			21 OCT 1965	0								10 DEC 1967	0
10 FEB 1973	0		3 JUN 1969	9		9 AUG 1967	11.5			23 OCT 1967	0.5								9 DEC 1974	0
			4 JUN 1973	3.5		4 AUG 1971	10			2 OCT 1969	3									
			15 JUN 1973	4.5		9 AUG 1975	10			8 OCT 1970	3									
			19 JUN 1974	6						3 OCT 1971	4									
			10 JUN 1975	5						20 OCT 1972	0.5									
			20 JUN 1976	6.5						17 OCT 1973	1.5									
										5 OCT 1974	1									

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



COULDREY CREEK IN LOT 9380 - STATION NO. 064P002

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

21 JAN 1974	0																								
		15	MAR	1974	0		25	MAY	1974	4		11	JUL	1974	5.5		6	SEP	1974	9		9	NOV	1976	3
		6	MAR	1975	0		22	MAY	1975	4.5		15	JUL	1975	8.5		11	SEP	1975	6.5					
		25	MAR	1976	2				20	JUL	1976	8.5					1	SEP	1976	8.5					
		5	APR	1975	3.5		5	JUN	1974	5		3	AUG	1974	7		25	OCT	1974	3.5		12	DEC	1974	2
		23	APR	1976	3.5		18	JUN	1974	6.5		24	AUG	1974	7		4	OCT	1974	4.5		13	DEC	1974	1
							10	JUN	1975	6.5							9	OCT	1975	5		18	DEC	1975	1
							21	JUN	1975	3.5															
							5	JUN	1976	4.5															
							29	JUN	1976	9.5															

CUMWICHAN RIVER AT LAKE CUMWICHAN - STATION NO. 08H8A002

SPIU OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

26 JAN 1955	5.5								19 SEP 1960	18.5		16 NOV 1949	5.5
18 JAN 1961	7			7 MAY 1959	10		8 JUL 1960	20.5	20 SEP 1960	18.5		26 NOV 1954	9.5
10 JAN 1962	4.5			11 MAY 1960	11		10 JUL 1961	21	4 SEP 1963	18.5		29 NOV 1962	8
17 JAN 1963	6			16 MAY 1962	11		13 JUL 1961	21.5	23 SEP 1964	18		17 NOV 1964	9.5
7 JAN 1964	3			4 MAY 1963	9.5		16 JUL 1962	18.5	13 SEP 1971	13		22 NOV 1966	6
13 JAN 1965	4.5			5 MAY 1967	5		25 JUL 1962	21	15 SEP 1972	19.5		25 NOV 1971	5
10 JAN 1967	6.5			13 MAY 1970	11		27 JUL 1967	22					
20 JAN 1968	5.5			25 MAY 1975	13		9 JUL 1969	19.5					
21 JAN 1970	4.5						4 JUL 1974	12					
14 JAN 1972	3												
21 FEB 1957	0			7 JUN 1955	12		16 AUG 1951	21	17 OCT 1954	14		16 DEC 1955	5
12 FEB 1959	5			13 JUN 1962	14.5		5 AUG 1954	19.5	13 OCT 1955	13.5		8 DEC 1961	7
22 FEB 1960	4			12 JUN 1963	19.5		17 AUG 1955	16.5	15 OCT 1959	14		14 DEC 1965	5
16 FEB 1960	5			24 JUN 1964	18		5 AUG 1960	23.5	18 OCT 1965	10.5		13 DEC 1957	5.5
21 FEB 1967	5			13 JUN 1966	11		15 AUG 1961	21.5	25 OCT 1966	12		5 DEC 1972	5.5
23 FEB 1972	4.5			15 JUN 1967	17		2 AUG 1962	22	17 OCT 1967	10.5		23 DEC 1975	6.5
26 FEB 1975	4.5			7 JUN 1972	10		23 AUG 1966	16.5	8 OCT 1975	15			
17 FEB 1976	4.5			11 JUN 1973	13		22 AUG 1967	23.5					
							9 AUG 1972	20.5					
							14 AUG 1975	19.5					
							24 AUG 1976	18					

COWICHAN RIVER NEAR UUNLAN - STATION NO. 08HA011

SPUI OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

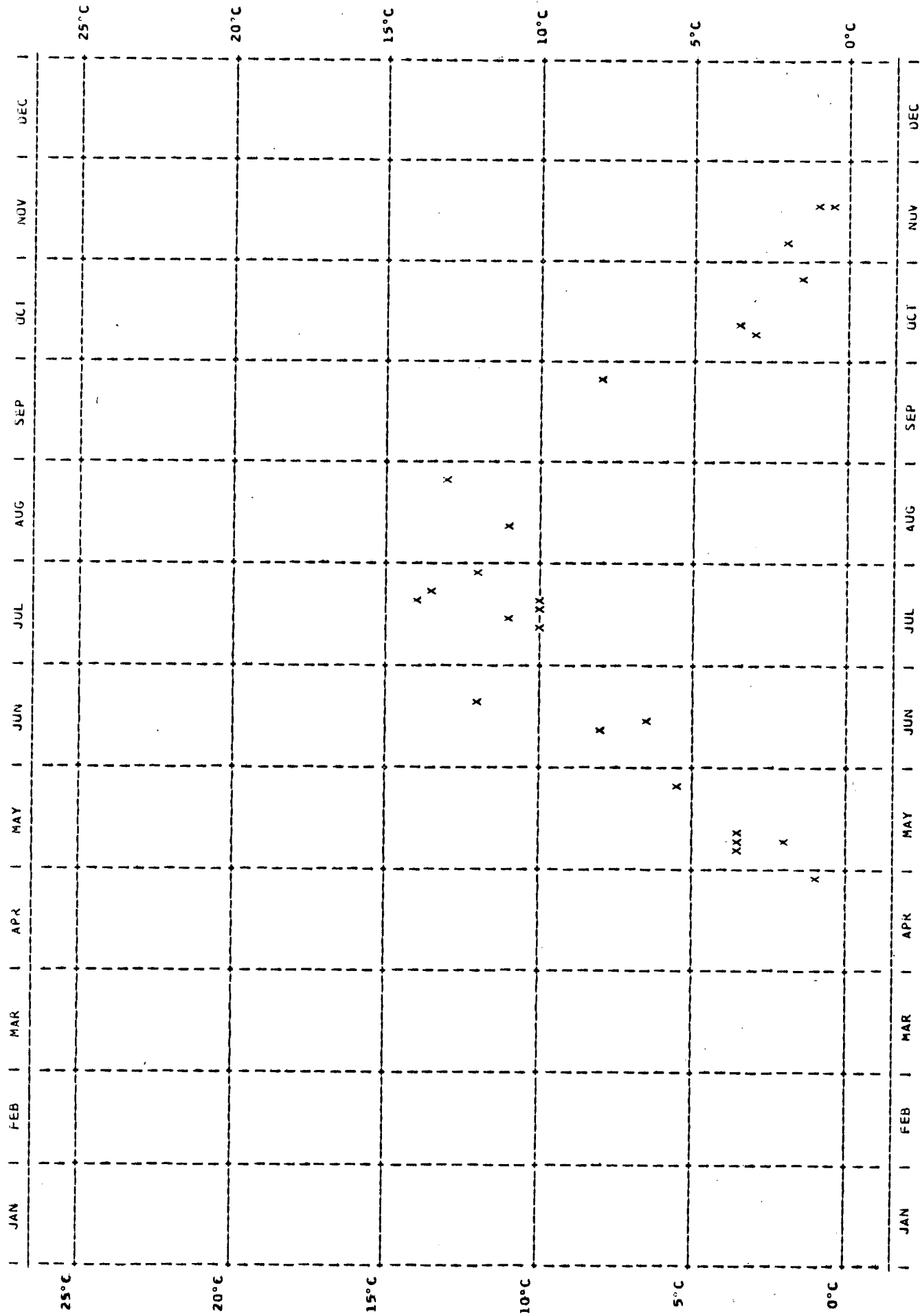
5 JAN 1960	6																						
19 JAN 1962	4																		19 SEP 1960	16		1 NOV 1962	13
16 JAN 1963	6	8 MAR 1961	6	15 MAY 1962	10.5	8 JUL 1960	15.5	19 SEP 1960	16	1 NOV 1962	13							4 SEP 1963	16		17 NOV 1964	9.5	
13 JAN 1964	4	21 MAR 1967	3.5	4 MAY 1965	8.5	10 JUL 1961	19.5	27 SEP 1967	0	27 JUL 1967	20	27 JUL 1967	20	25 SEP 1964	16.5			11 SEP 1968	10.5		22 NOV 1966	0	
11 JAN 1966	4	19 MAR 1968	6	26 MAY 1975	12	1 JUL 1969	20	1 JUL 1975	14	4 JUL 1974	11.5	23 JUL 1976	18.5	17 SEP 1968	10.5			15 SEP 1972	18		25 NOV 1971	5	
14 JAN 1966	4.5																						
10 JAN 1967	5.5																						
20 JAN 1968	5.5																						
11 JAN 1972	3																						
22 FEB 1960	4																						
16 FEB 1966	5	20 APR 1960	10.5	14 JUN 1962	10.5	5 AUG 1960	20.5	27 OCT 1964	10.5	6 DEC 1961	8												
21 FEB 1957	5	27 APR 1961	8	13 JUN 1966	11	15 AUG 1961	19	18 OCT 1965	10.5	14 DEC 1965	5												
23 FEB 1972	4.5	19 APR 1964	6	14 JUN 1967	17	28 AUG 1961	18	25 OCT 1966	12	13 DEC 1967	5												
		14 APR 1966	6.5	7 JUN 1972	10	13 AUG 1966	16.5	7 OCT 1975	14.5	25 DEC 1972	2												
		17 APR 1972	5.5	11 JUN 1973	13	22 AUG 1967	22			25 DEC 1975	6												
		21 APR 1975	10			8 AUG 1968	16.5																
		20 APR 1976	10.5			9 AUG 1972	21																
						15 AUG 1975	20																

CRAWFORD CREEK NEAR CRAWFORD BAY - STATION NO. 08NH104

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

2 MAY 1950	5	4 JUL 1950	7	22 SEP 1952	10.5	6 NOV 1951	3.5
23 MAY 1950	5.5	20 JUL 1951	10.5				
14 MAY 1952	5.5						
10 APR 1950	3	15 AUG 1949	11				
		9 AUG 1950	12				
		20 AUG 1951	12				
		6 AUG 1952	14.5				

SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CREIGHTON CREEK NEAR LUMBY - STATION NO. 08LC033

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

		6 MAY 1959	3.5		16 JUL 1959	10		25 SEP, 1963	8		16 NOV 1960	1
		28 MAY 1961	5.5		19 JUL 1960	14					4 NOV 1964	2
		9 MAY 1962	5.5		28 JUL 1961	12					18 NOV 1965	0.5
		7 MAY 1963	2		24 JUL 1962	13.5						
		12 MAY 1965	3.5		11 JUL 1963	10						
					20 JUL 1965	10						
					13 JUL 1966	11						
		28 APR 1960	1		25 AUG 1965	13		9 OCT 1959	3			
					10 AUG 1966	11		25 OCT 1961	1.5			
								10 OCT 1962	3.5			

CRISS CREEK NEAR SAVJNA - STATION NO. 06LFO07
SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

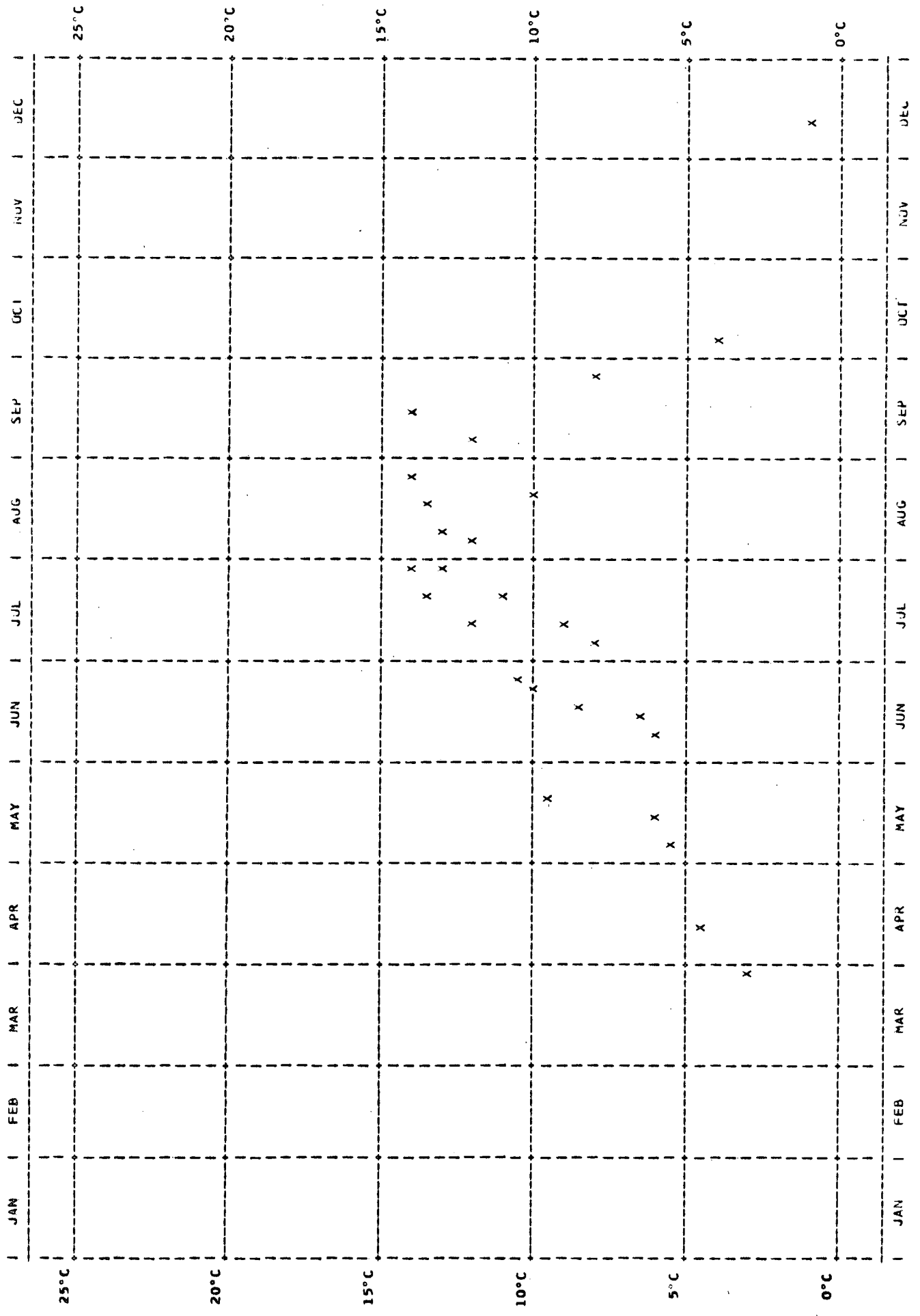
31 JAN 1962	0	27 MAR 1963	4.5	25 MAY 1963	10	17 JUL 1963	14.5	7 SEP 1962	11	17 NOV 1964	3.5
17 JAN 1963	0	6 MAR 1964	0	15 MAY 1967	8	22 JUL 1966	13.5	6 SEP 1966	13.5	8 NOV 1965	2
16 JAN 1964	0	17 MAR 1965	0.5	21 MAY 1968	4.5	7 JUL 1967	13	10 SEP 1968	14.5	8 NOV 1966	0.5
5 JAN 1967	0	31 MAR 1966	1.5	7 MAY 1969	6	18 JUL 1971	16	19 SEP 1972	10	8 NOV 1968	0.5
2 JAN 1968	0	2 MAR 1967	1	5 MAY 1971	4.5	18 JUL 1972	17	23 SEP 1974	14.5	29 NOV 1971	3
22 JAN 1969	0	14 MAR 1968	2	14 MAY 1971	10	16 JUL 1973	13.5	5 SEP 1975	11.5	7 NOV 1976	4.5
16 JAN 1970	0	10 MAR 1972	0.5	19 MAY 1971	7	15 JUL 1975	16.5	15 SEP 1976	10		
11 JAN 1972	0	13 MAR 1973	1.5	29 MAY 1971	9	15 JUL 1976	12				
17 JAN 1974	0.5	22 MAR 1974	0.5	9 MAY 1972	8.5						
15 JAN 1975	0.5	15 MAR 1976	0.5	22 MAY 1972	10						
23 JAN 1975	0			8 MAY 1973	8.5						
				23 MAY 1973	13.5						
				29 MAY 1973	8						
				14 MAY 1974	5						
				30 MAY 1974	9						
				22 MAY 1975	6.5						
				11 MAY 1976	6.5						
26 FEB 1962	0	30 APR 1962	4	7 JUN 1962	11	27 AUG 1964	15.5	9 OCT 1963	8	14 DEC 1961	0
8 FEB 1965	1	17 APR 1967	6	20 JUN 1965	14.5	25 AUG 1965	15.5	12 OCT 1966	6.5	21 DEC 1962	0
17 FEB 1966	0.5	23 APR 1968	5.5	26 JUN 1964	11	10 AUG 1966	14	12 OCT 1967	8.5	14 DEC 1965	0
22 FEB 1967	1	10 APR 1969	5.5	4 JUN 1965	13.5	2 AUG 1967	12.5	14 OCT 1971	5.5	5 DEC 1967	0.5
26 FEB 1968	0.5	14 APR 1970	1.5	29 JUN 1966	9	3 AUG 1968	15.5	17 OCT 1973	6	9 DEC 1971	0
17 FEB 1969	0.5	15 APR 1971	4.5	29 JUN 1967	13.5	14 AUG 1969	14			19 DEC 1972	0.5
26 FEB 1970	0.5	26 APR 1972	4.5	14 JUN 1968	11	13 AUG 1971	18			12 DEC 1973	0
11 FEB 1971	0	20 APR 1974	4	25 JUN 1968	11	23 AUG 1972	15.5			18 DEC 1975	0
10 FEB 1972	0	29 APR 1975	3	6 JUN 1970	11.5	19 AUG 1974	16			8 DEC 1976	0
14 FEB 1972	0.5	27 APR 1976	3.5	5 JUN 1973	11.5	25 AUG 1976	12				
25 FEB 1974	1			25 JUN 1975	15.5						
24 FEB 1975	0			16 JUN 1974	10						
				5 JUN 1975	9						
				17 JUN 1976	8.5						

CUTOFF VALLEY CREEK ABOVE JUAN CREEK - STATION NO. 08LF073

SPOT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

14 JAN 1970	0.5				25 JUL 1968	11		16 SEP 1968	10		21 NOV 1968	2	
6 JAN 1971	1							30 SEP 1969	8.5		24 NOV 1970	0.5	
3 FEB 1969	1		25 APR 1969	4		22 JUN 1968	10		9 AUG 1968	14.5		28 OCT 1969	6
9 FEB 1970	1		8 APR 1970	4		2 JUN 1970	13		4 AUG 1970	10.5		7 OCT 1970	3.5
13 FEB 1971	1.5												

CUDDEE VALLEY CREEK NEAR CLINTON - STATION NO. 09LF037
SPUT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS



CUTOFF VALLEY CREEK NEAR CLIFTON - STATION NO. 66LF057
 SPT OBSERVATIONS OF WATER TEMPERATURES IN DEGREES CELSIUS

	29	MAR	1972	5		19	MAY	1954	9.0		6	JUL	1954	8		14	SEP	1966	14	
						14	MAY	1965	5		31	JUL	1965	14		26	SEP	1967	8	
						4	MAY	1967	5.5		28	JUL	1967	13		6	SEP	1973	12	
											20	JUL	1971	13.5						
											19	JUL	1972	11						
											12	JUL	1973	12						
											19	JUL	1974	9						
	12	APR	1973	4.5		7	JUN	1965	5		25	AUG	1966	14		6	OCT	1965	4	
						16	JUN	1968	3.5		16	AUG	1967	13.5						
						22	JUN	1963	10		9	AUG	1968	13						
						25	JUN	1963	10.5		21	AUG	1969	10						
						14	JUN	1973	5.5		5	AUG	1971	12						

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