

BIOLOGICAL ANALYSIS OF RIVER WATER

MCBCL 11330/6

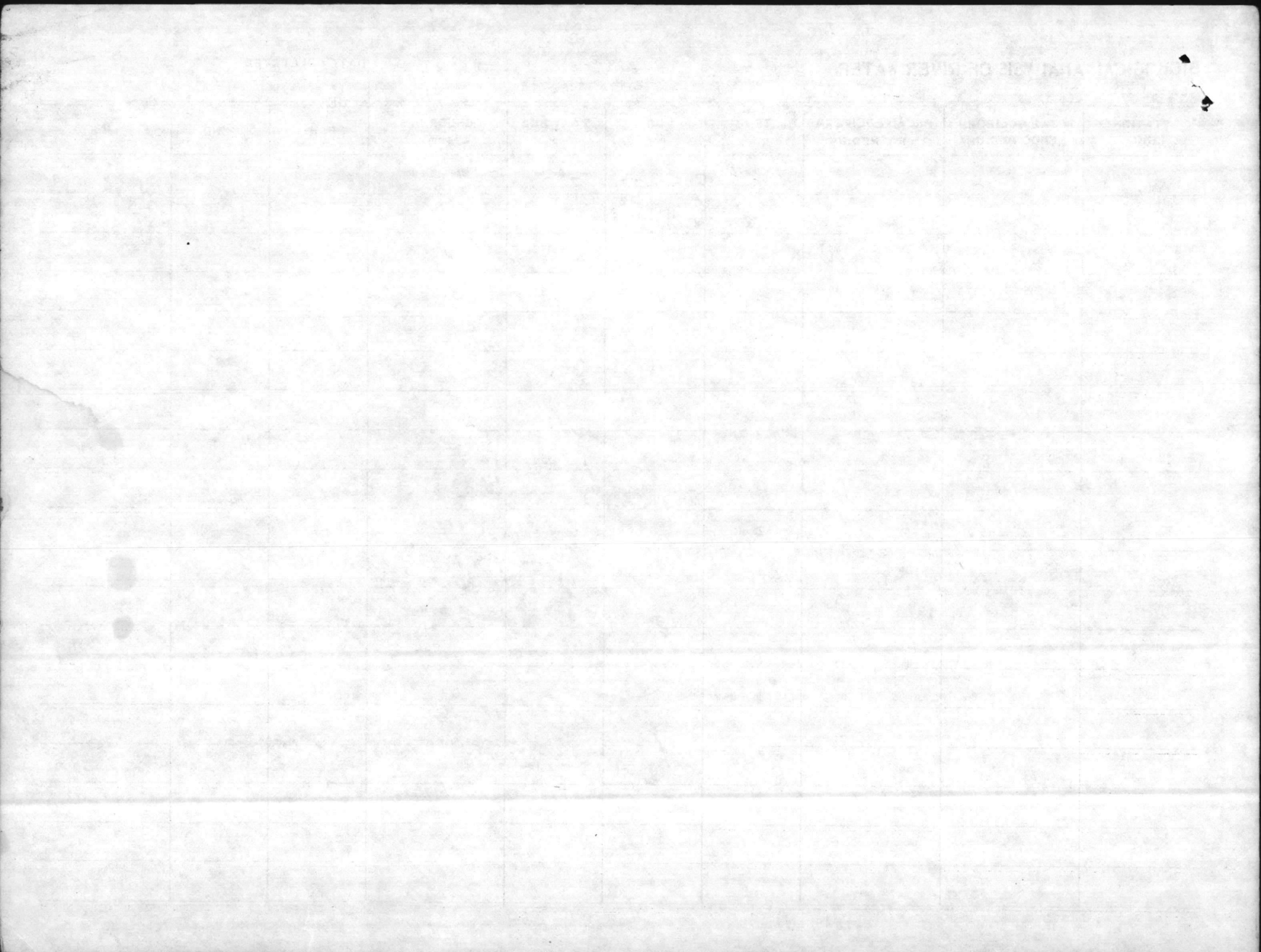
In Service 9:15 Out 12:20
CHB

DATE COLLECTED

20 JAN 82

STATION NO.	TOTAL COLIFORM mENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO ppm	5 DAY BOD ppm	CHLORIDES Salinity PPM	P. H.	CONDUCTIVITY WIND	PH
River 1	(1) 800 (25) overgrown	(1) 200 (25) 220	5 Therm. 5	9.5	7.5	2.0	3 15 bottom	4,000 5,000	6.7
River 2	(1) 600 (25) overgrown	(1) 0 (25) 40	5.5 upper *Low not taken	11.2	7.7	3.5	7 8	5,000 5,000	7.0
River 3	(1) 0 (25) 8	(1) 0 (25) 0	3 3	11.7	7.3	4.4	7 7	5,000 5,000	7.6
River 4	(25) 8	(25) 4	5 5	12.2	9.3	2.9	6.5 7	6,200 7,000	7.7
River 5	(25) 8	(25) 0	4 6	11.9	8.9	3.0	7.6 7.0	7,000 7,000	7.8
River 6	(25) 8	(25) 4	5 6	11.0	8.2	2.8	8.5 8.5	6,300 9,800	7.9
River 7	(50) 0	(50) 0	6 6.5	10.2	8.3	1.9	13 13.2	8,900 13,500	8.0
River 8	(50) 2	(50) 0	6 *not taken	9.9	8.1	1.8	16 14.8	15,500 15,000	8.1
River 9	(50) 0	(50) 8	8 *not taken	10.3	7.8	2.5	12.5 12.8	13,100 13,100	8.1

* Low or deep readings subject to error due to ~~probe~~ break in probe cable
(no break found in cable 11/3/82)



QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

DATE COLLECTED	STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE					pH	
				DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL	ANALYST		
20 JAN 82	1											1	.6547	⁶⁰ 6533	1.4	0.0	
	SD-2											2	.3001	⁶⁶ 2989	1.2	0.0	
	SD-3											3	.4967	⁶⁶ 4929	3.8	0.0	
	SD-4											4	.1633	⁶⁷ 1602	3.1	0.0	
	SD-5											5	.4106	⁶⁷ 4075	3.1	0.0	
	SD-6					NA						6	.4971	⁶⁷ 4945	2.6	0.0	
	SD-7											7	.7424	⁶⁷ 7402	2.2	0.0	
	SD-8											8	.2830	⁶⁸ 2798	3.2	0.0	
	SD-9											9	.9412	⁶⁸ 9374	3.8	0.0	
	SD-STD											10	.1296	⁷⁴ .0991	30.5		
	SD-BL											11	.4716	⁷⁶ 4671	4.5		
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																
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	SD-																
	SD-																
	SD-																

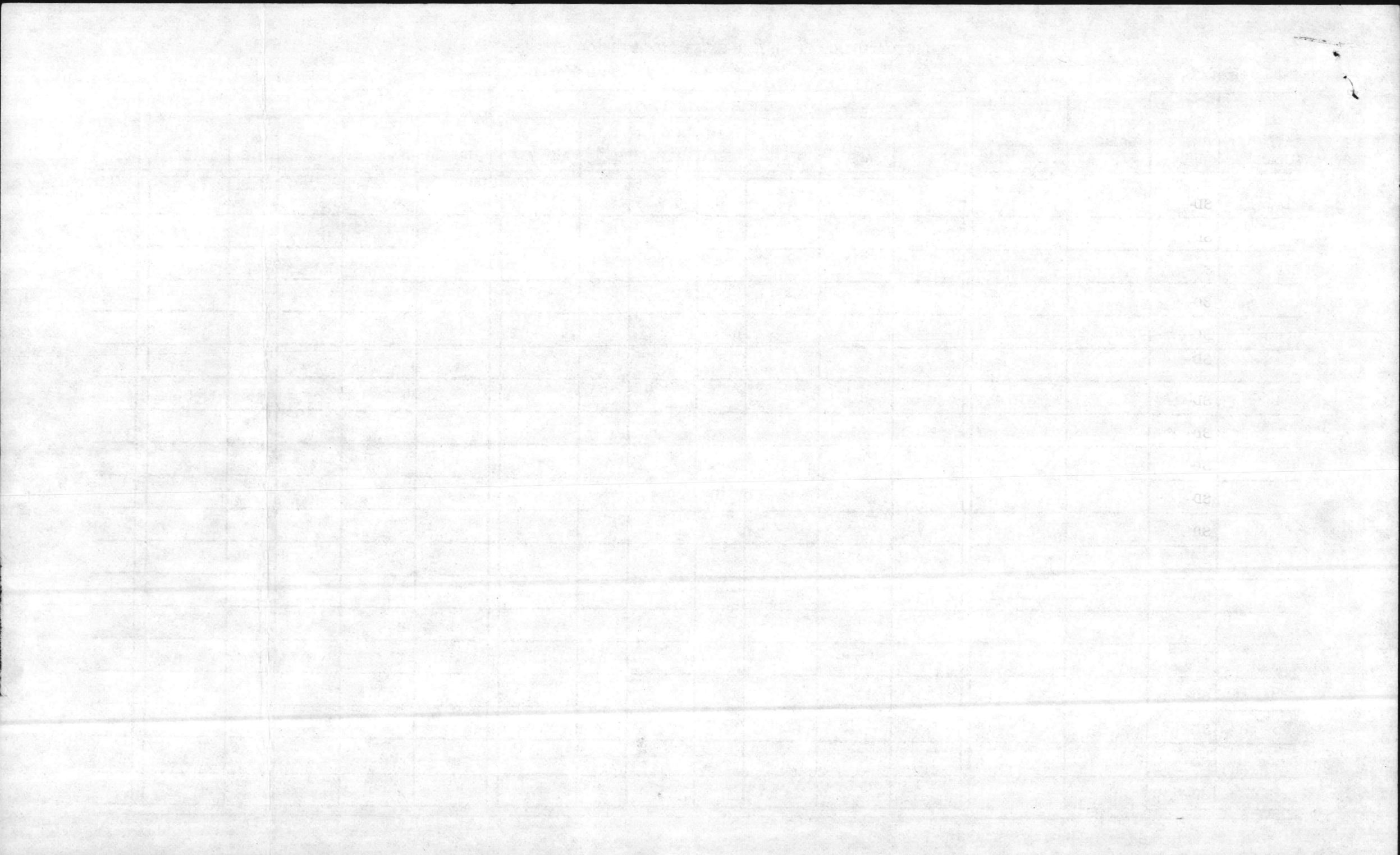
sample spilled found

was first last

① First

standard = (16.389) x 2 = 32.778

80%



BIOLOGICAL ANALYSIS OF RIVER WATER

MCBCL 11330/6

Honeycutt Sachapelle

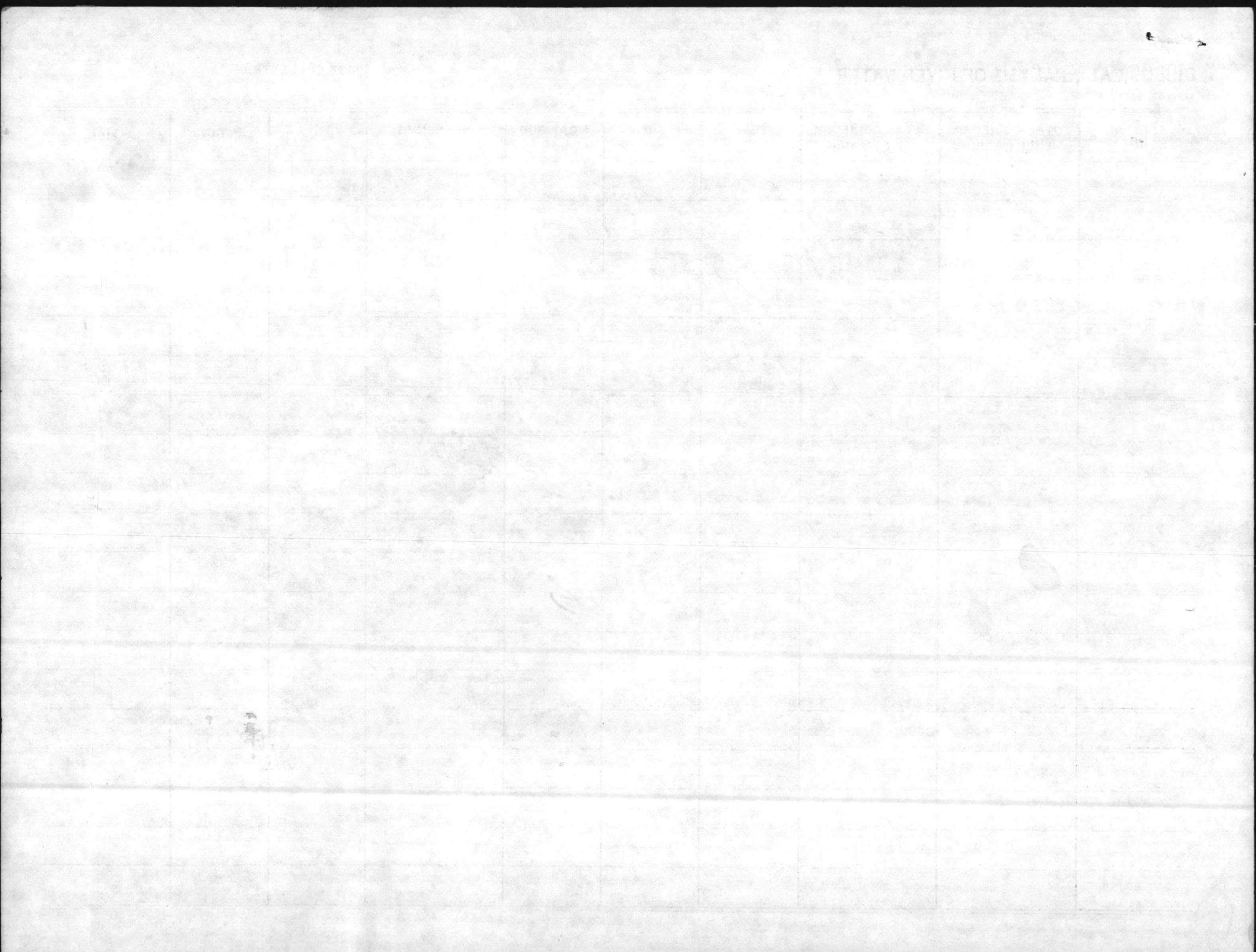
Salinity

DATE COLLECTED

2-8-82

STATION NO.	TOTAL COLIFORM m ENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO ppm	5 DAY BOD ppm		CHLORIDES ppm		P. H.	WIND	② depth TIDE
					←	→	Ⓡ	Ⓢ			
1	528	205	11°C	7.0	6.3	0.7	1	2	6.2	Light	60 x 10
2	372	156	10.5°C	12.2	4.2	8.0	2	3	6.8	"	50 x 100
3	220	28 28	11°C	10.2	7.7	2.5	4	6	7.0	"	70 x 100
4	48	12	11°C	11.8	7.5	3.3	4	6	7.6	"	70 x 100
5	16	8	11°C	13.1	0.5	12.6	6	7	8.5	"	80 x 100
6	0	2	11°C	12.5	7.0	5.7	8.5	10.5	8.4	"	130 x 100
7	0	2	10°C	9.2	8.0	1.2	16	16	8.1	"	190 x 100
8	0	2	10.5°C	10.0	8.2	1.8	16	17	8.0	"	180 x 100
9	0	0	11°C	10.1	8.3	1.8	14	15	8.0	"	170 x 100

B Tide ebbing

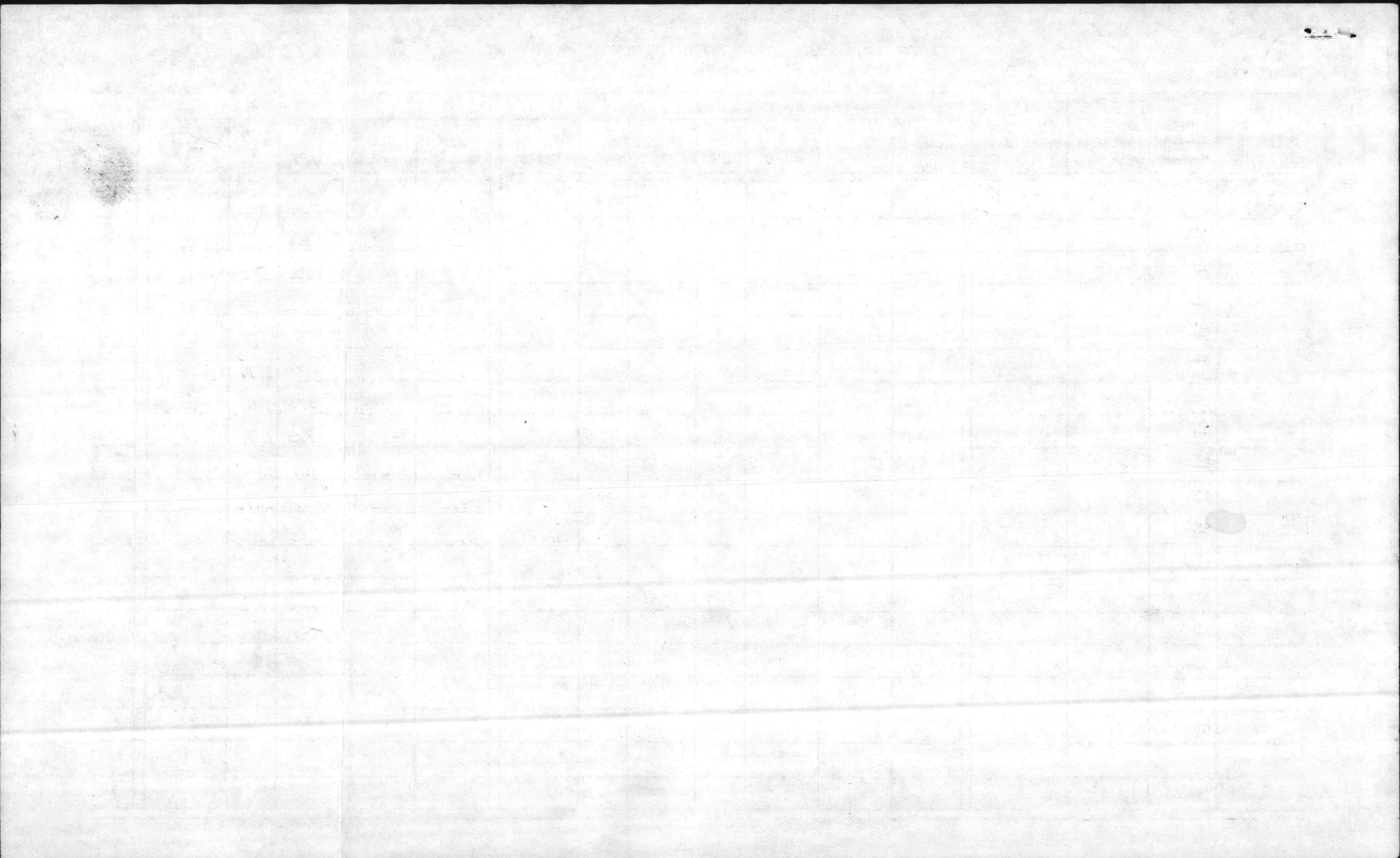


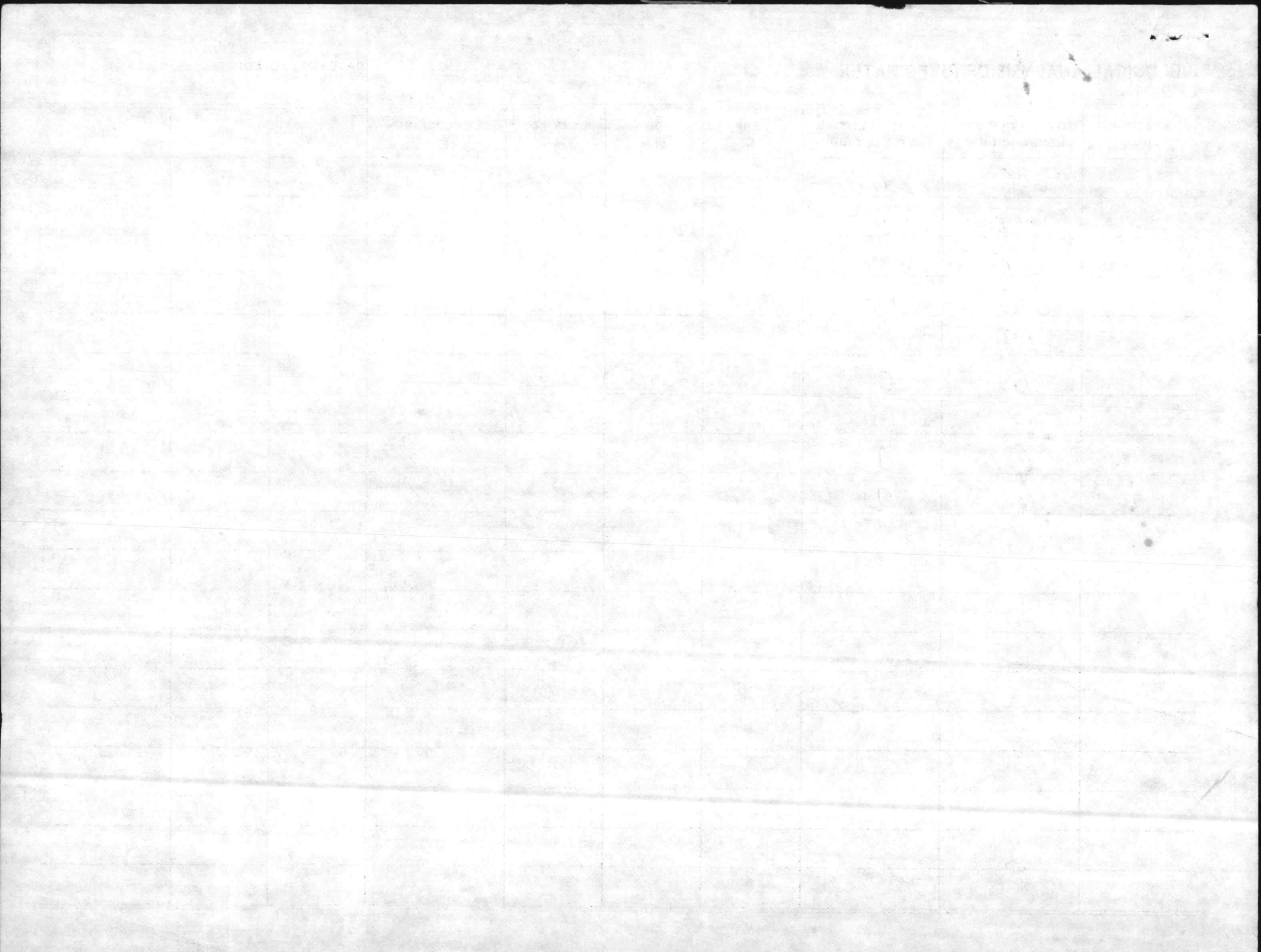
QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

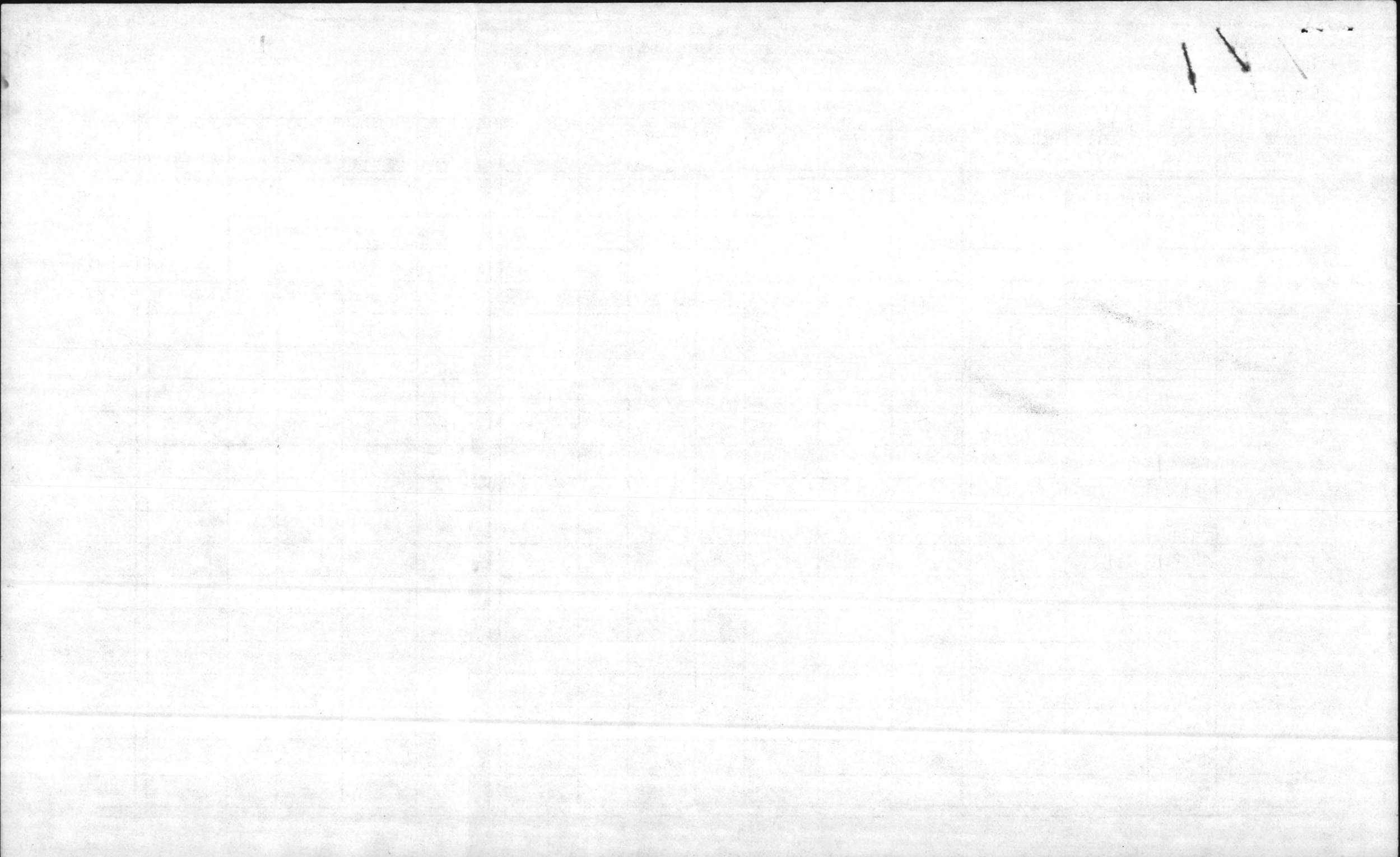
MCBCL 11345/7

DATE COLLECTED	River STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE					pH	
				DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL	ANALYST		
2-8-82	SD-		Lochapelle Honeycutt								STAN - DARD	1	⁶⁰ 6814	⁶⁰ 6529	28.5		
	RW SD 1											2	⁶⁶ 2986	⁶⁶ 2976	1.0	970	
	RW SD 2											3	⁶⁶ 4958	⁶⁶ 4935	2.3	1010	
	RW SD 3											4	⁶⁷ 1606	⁶⁷ 1602	0.4	960	
	RW SD 4											5	⁶⁷ 4674	⁶⁷ 4069	0.5	950	
	SD RW 5											6	⁶⁷ 4957	⁶⁷ 4947	0.9	1010	
	RW SD 6											7	⁶⁷ 7406	⁶⁷ 7390	1.6	980	
	RW SD 7											8	⁶⁸ 2809	⁶⁸ 2796	1.2	1010	
	RW SD 8											9	⁶⁸ 9383	⁶⁸ 9361	2.2	980	
	RW SD 9											10	⁷¹ 1034	⁷¹ 1007	2.7	980	
	SD 10										?	100 ml Blank	⁷² 4703	⁷² 4683	(2.0)		
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																

Results are adjusted
for volume.







BIOLOGICAL ANALYSIS OF RIVER WATER

MCBCL 1330/6

DIST WATER
KIMWIPES

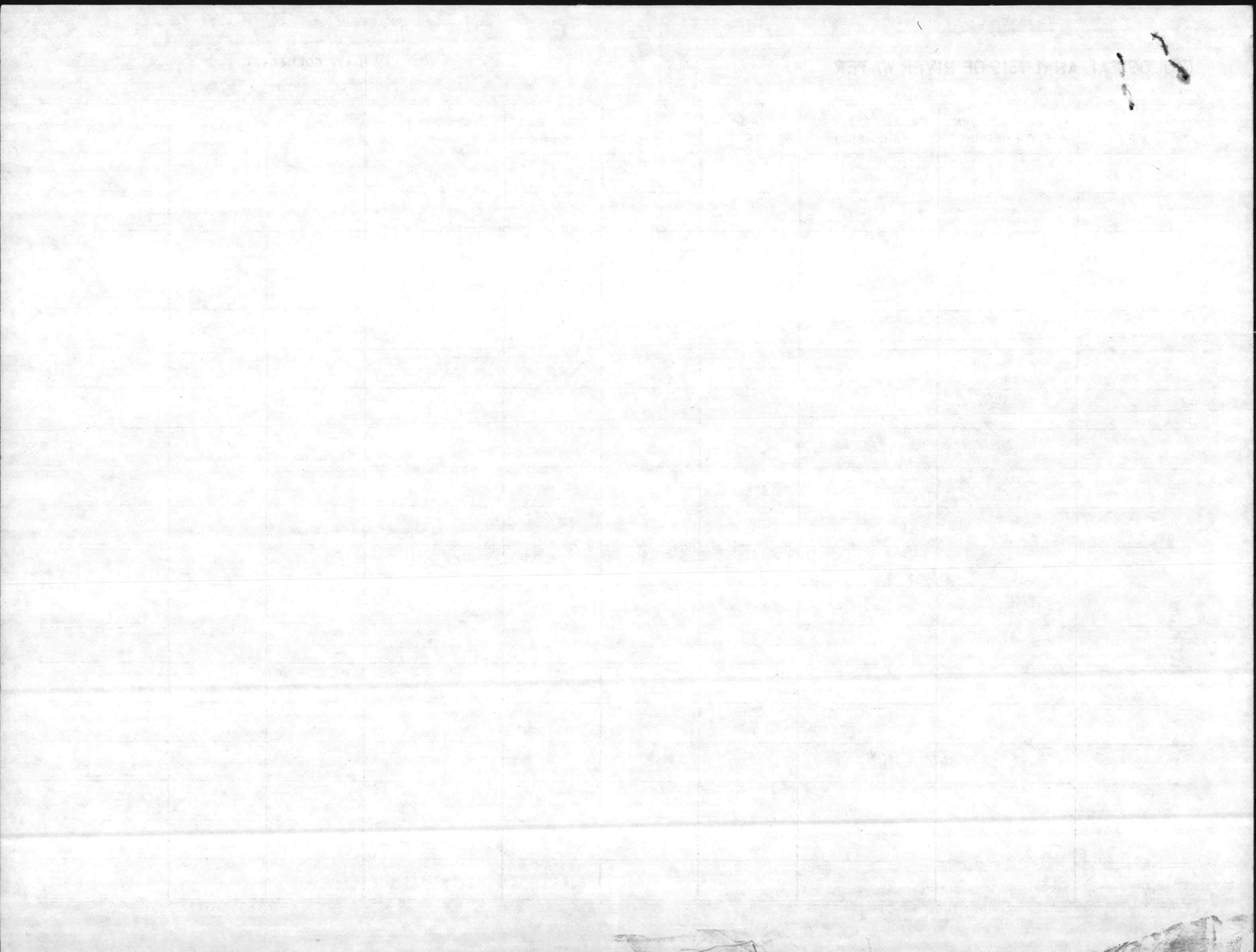
DATE COLLECTED

12 APRIL 1982

SURFACE

STATION NO.	TOTAL COLIFORM mENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO-1 ppm	5 DAY BOD		DEO SALINITY	CHLORIDES ppm		P. H.	WIND- CONDUCT	TIDE CHLORINE
					0.0.5	ppm						
RW 01	(1) 2700	(10) 10	14	10.7	7.4	3.3	14	2	2.5	7.5	2000	<0.2
	(25) very low	(25) 8						5	3		4000	<0.2
RW 02	(1) 460	(10) 68	14.5	10.2	6.2	4.0	6	5	3	7.8	4000	<0.2
	(25) 76	(25) 48										
RW 03	(1) 0	(10) 20	15	9.2	3.8	5.4	8	8	4	7.9	5000	<0.2
	(25) 36	(25) 0										
RW 04	(50) 6	(50) 0	14.0	9.4	4.8	4.6	10	10	NOT WORKING	8.0		<0.2
RW 05	(50) 0	(50) 0	14.5	9.2	6.2	3.0	20	12		8.0		<0.2
RW 06	(50) 7	(50) 0	14.5	9.1	6.9	2.2	22	20		8.0		<0.2
RW 07	(50) 0	(50) 0	14.0	8.3	7.2	1.1	33	30		7.6		<0.2
RW 08	(50) 7	(50) 0	15	8.3	7.2	1.1	31	29		8.0		<0.2
RW 09	(50) 0	(50) 0	14.5	8.4	7.0	1.4	28	28		8.0		<0.2

1950



— 1

11

BIOLOGICAL ANALYSIS OF RIVER WATER

MCBCL 11330/6

DATE COLLECTED

10 MAY 82

STATION NO.	TOTAL COLIFORM mENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO ppm	5 DAY BOD		CHLORIDES		P. H.	WIND	TIDE Depth
					0-20 PPM	3-5 BOD	Surf ppm	Depth			
RW-01	(1) 100 (25) over grown	(1) 0 (25) 28	21°	8.6	3.5	5.1	4%	11/14	7.1	N10-15	17'
02	(1) 100 (25) over grown	(1) 0 (25) 8	23°	7.0	3.2	3.8	8	10	7.2		4' soft
03	(1) 600 (25) over grown	(1) 0 (25) 8	21.5	7.5	4.3	3.2	10%	14	7.4		5' hd
04	(50) 0	(50) 2	22°	7.4	5.1	2.3	14	16	7.5		7'
05	(50) 0	(50) 0	21	7.6	5.8	1.8	16	20	7.9		11' hd mud
06	(50) 0	(50) 0	20.5	7.2	6.6	0.6	26	28	7.8		22'
07	(50) 0	(50) 0	19°	7.5	6.8	0.7	32	34	8.0	1230	12' (ebb)
08	(50) 0	(50) 0	19°	7.5	6.6	0.9	32	34	7.7		13'
09	50 0	(50) 0	20	7.5	6.2	1.2	32	32	7.9		12'
WC 3+5	Depth 4'		soft bottom								
6	Depth 5'		hd sand								
CG	chlora < 0.2		Depth 7'								
WC 3+5	Depth 4'		soft < 0.2 stem								
TR 6	5' hd sand		0.4								
HP			1.5								
RR			< 0.2								
Q4B			1.0								
OB			< 0.2								

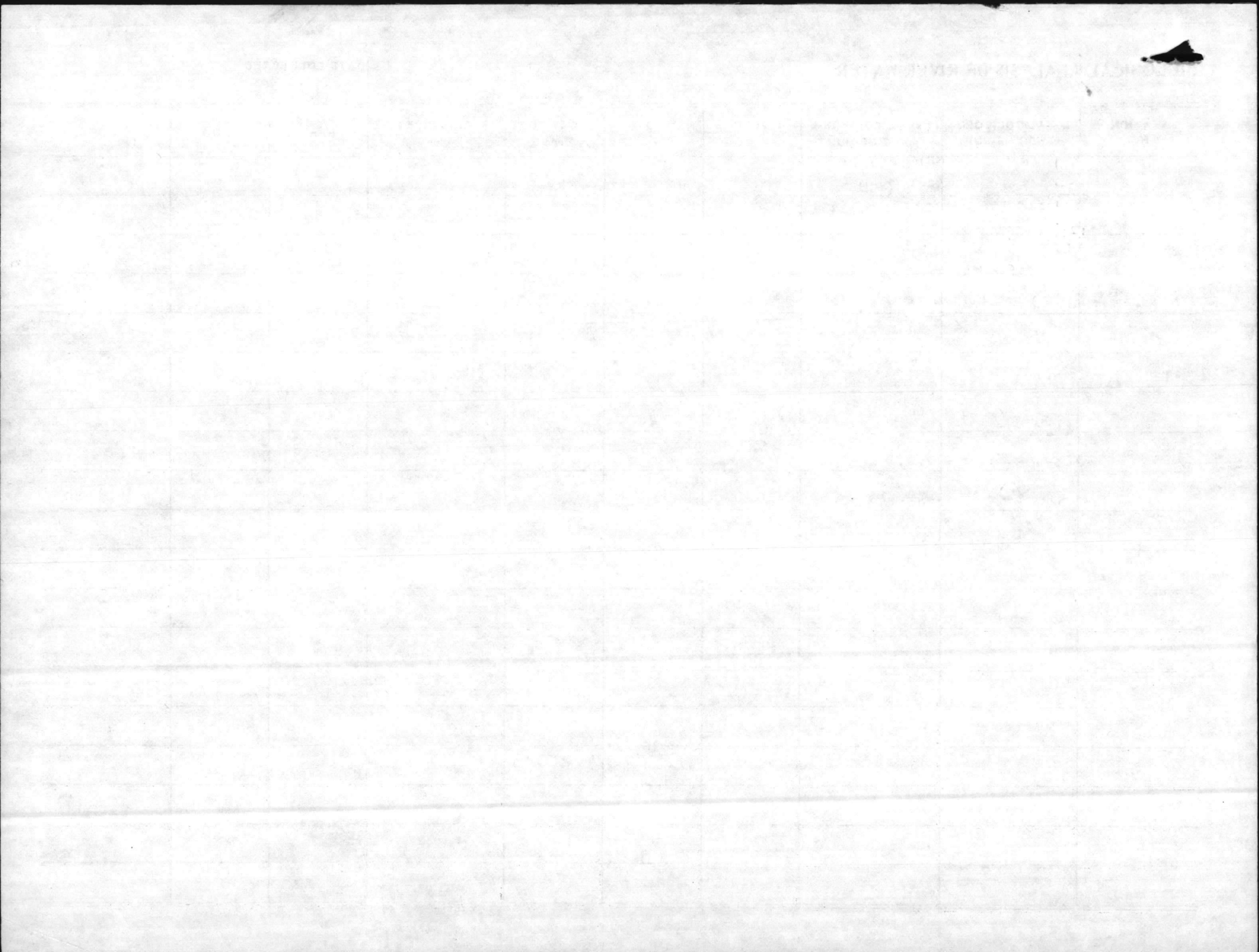
Called HURFMAN
5/11/82

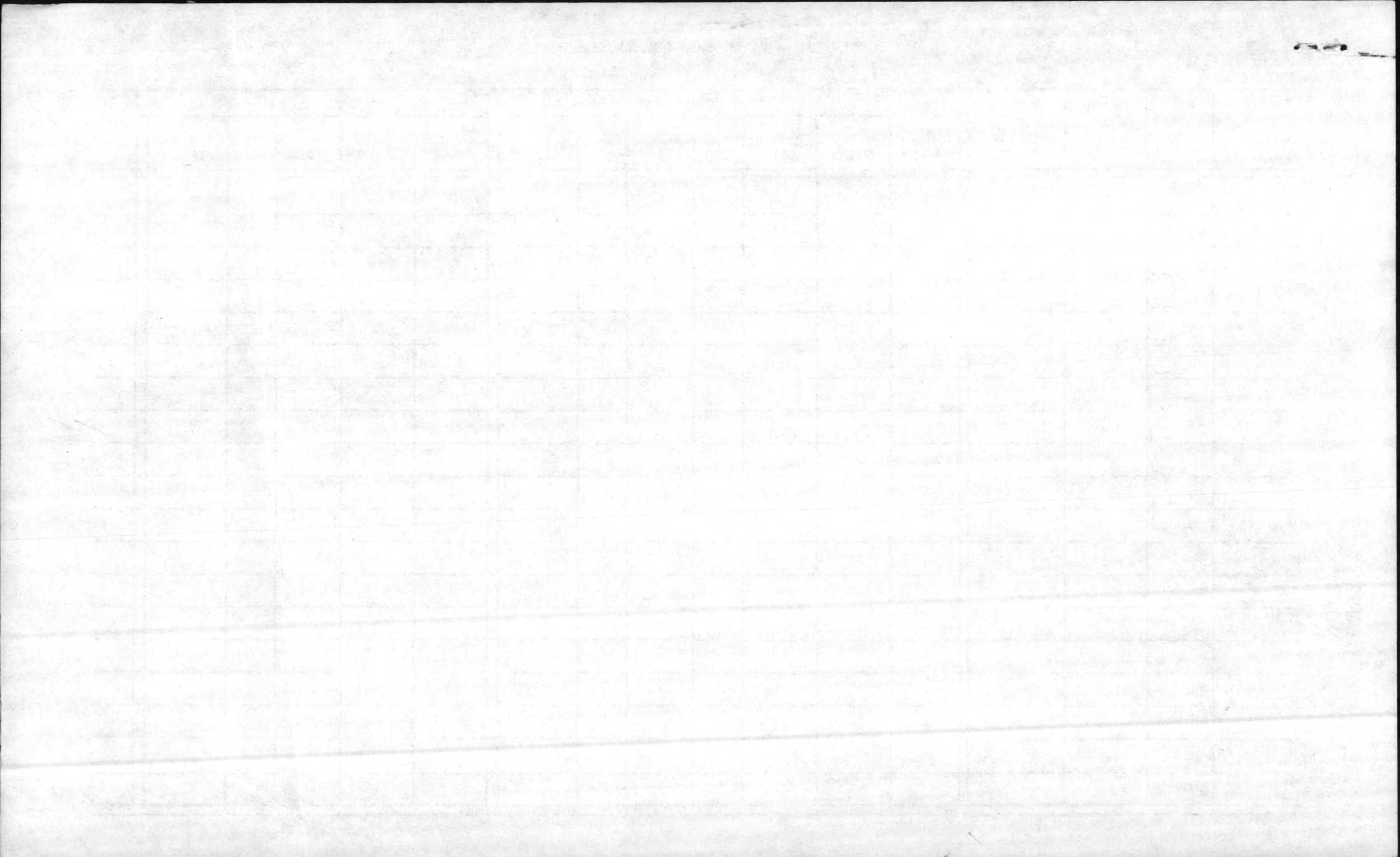
Handwritten signature

Walton Creek - Marine area

10% / 10%

51





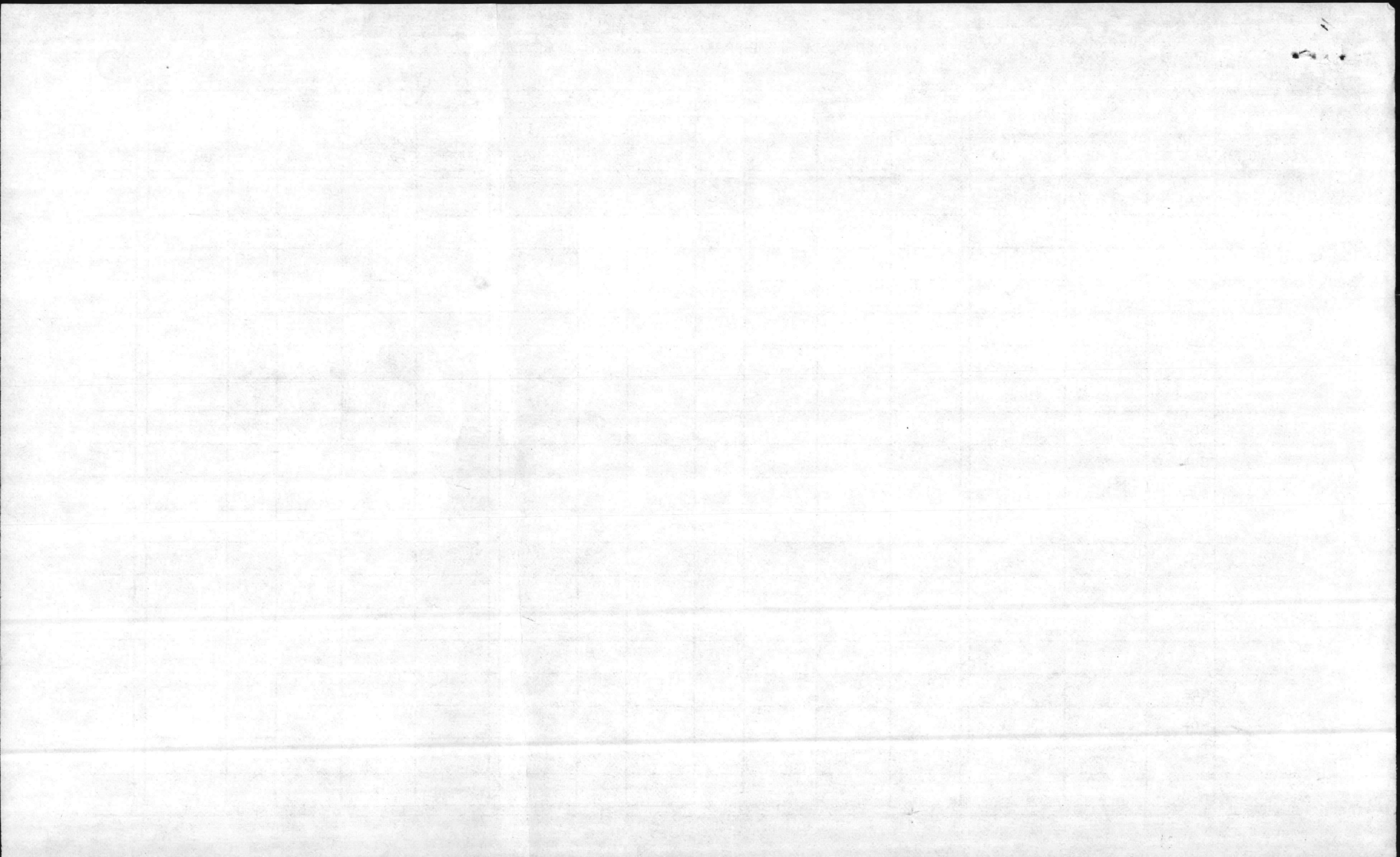
BIOLOGICAL ANALYSIS OF RIVER WATER

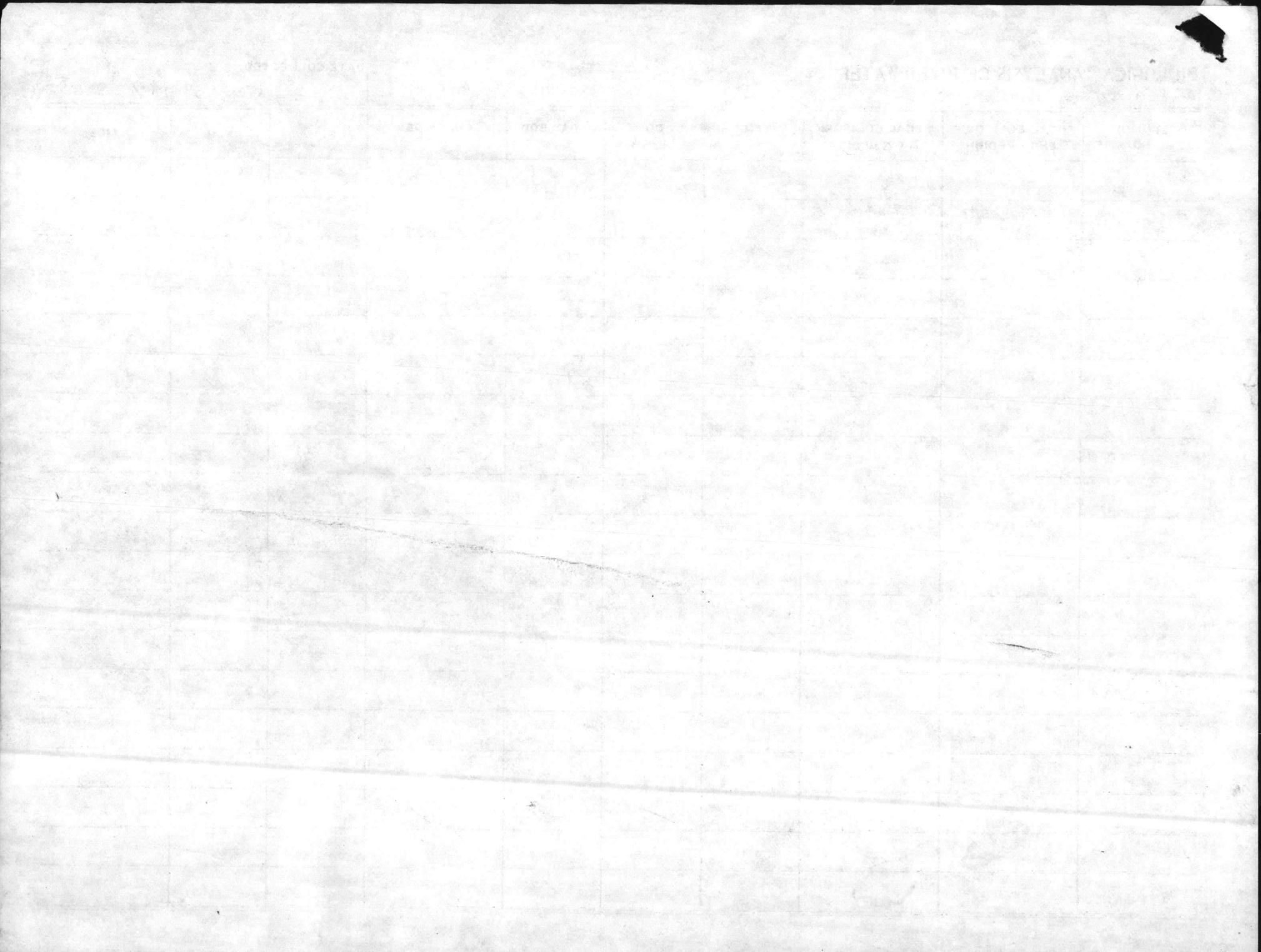
MCBCL 11330/6

WC #5 sal 18‰^{TOP} Bottom
WT = 26.0°C

DATE COLLECTED
14 June 82

STATION NO.	TOTAL COLIFORM m ENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO ppm	5 DAY BOD ppm	CHLORIDES ppm	P. H.	WIND	TIDE
WC G			25	7.1		20		N 5-10	0945
R-1	Can't touch Bottom		26	6.5	7.1 0.2 6.9	TOP 10 Bottom 14	7.3		0955
R-2	1 length far Bottom (5 1/2')		26	7.2	6.3 3.5 2.8	TOP 15 Bottom 15	7.4		1015
R-3	9'		26	4.4	7.2 5.0 2.2	TOP 16 Bottom 18	8.2		1030
R-4	7 1/2'		26	6.7	4.4 4.7 0.0	TOP 20	8.3		
5	> 11'		25.5	6.7	6.7 4.5 2.2	23/24	7.9		1100
6	> 10'		25.5	6.9	5.0 1.9	24/26	8.2		1120 ^{SW}
7	> 11'		25.0	6.7	5.0 1.7	32/33	8.1	N 8-12	1220 / IN
9	> 11'		25.0	6.0	5.9 0.1	33/33	8.1		1230
8			25.0	6.3	5.1 1.2	35/35	8.2		1240
1	100	48							
2	300	24							
3	0	0							
4	0	0							
5	0	0							
6	10	14							
7	0	2							
8	0	0							
9	0	0							



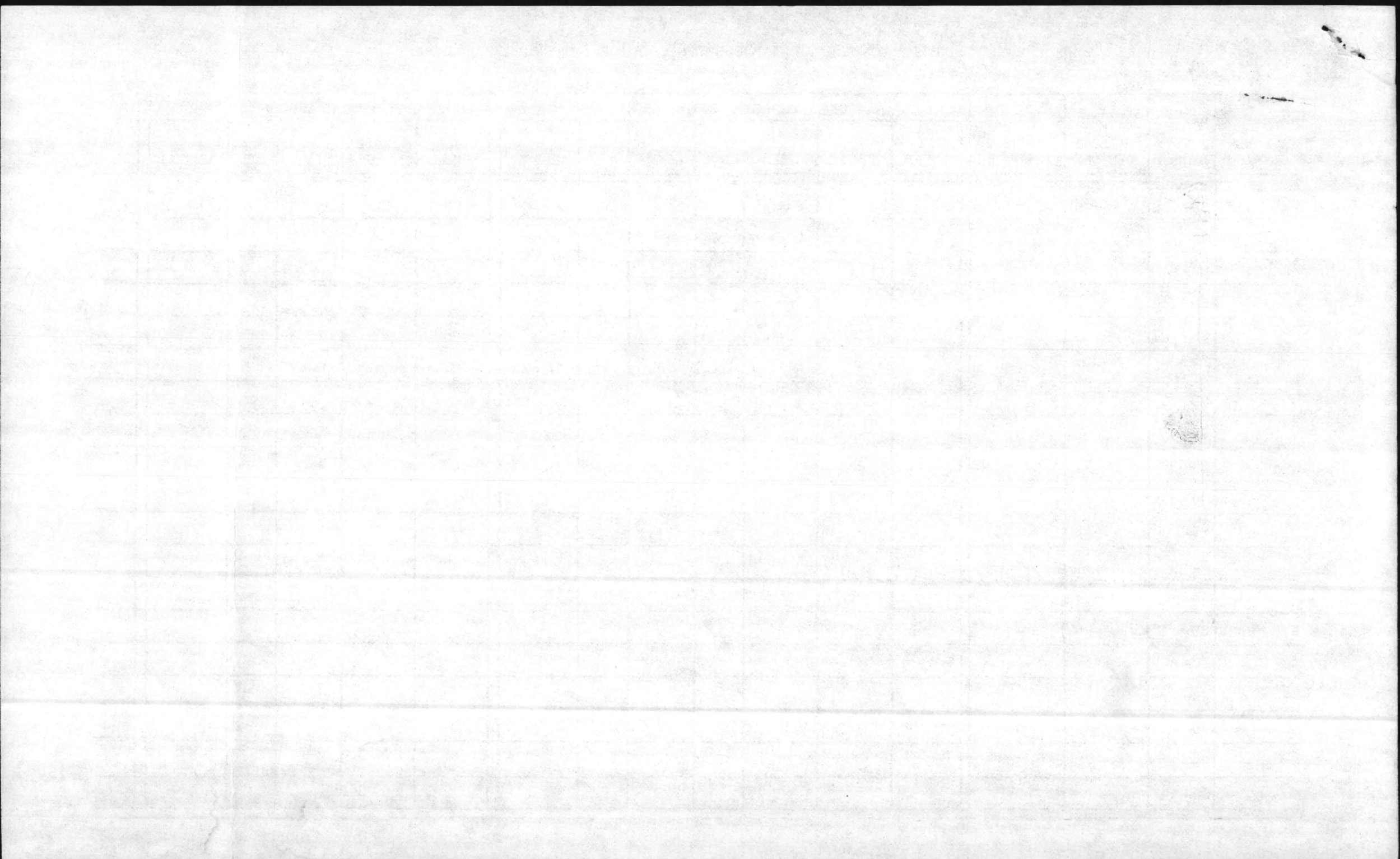


QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

DATE COLLECTED	STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE				ANALYST	pH	
				DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL			
22 July 82	SD-01									ml of sample	2		68 .5576				
	RW SD-01									960	3	.4984	66 .4983	1.4 1.3			7.8
	SD-02									960	4	.1650	67 .1653	0.7 0.7			7.9
	SD-03									940	5	.4115	.4123	0.4 0.4			8.0
	SD-04									880	6	.4991	.4995	0.7 0.6			8.4
	SD-05									950	7	.7443	.7445	0.8 0.8			8.4
	SD-06									980	8	.2852	68 .2857	0.5 0.5			8.2
	SD-07									920	9	.9425	.9435	0.0 0.0			8.3
	SD-08									950	9A	1.5314	69 1.5314	1.3 1.2			8.3
	SD-09									965	9B	.7469	69 .7470	1.1 1.1			8.3
	SD-10									Blank (New Method) 490	9C	69 .8152	69 .8164	-1.2			
	# SD-7		(Air Station Basin Bx)							weighed 1050	10	.2180	74 .1032	116.6 114.8			
	# SD-8									1st	11	.6115	76 .4706	134.2 142.1			
	SD- STANDARD										12	68 .5874	68 .5344	83.0			
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																
	SD-																

* STD. = 16.389 mg/ml - used 2ml = 82. 778778 12/81
during 30 minute cool down, vacuum applied to deaerator



LACONAPOLLE
+
MONMOUTH

BIOLOGICAL ANALYSIS OF RIVER WATER

MSDC 1-330/6

DATE COLLECTED

16 Aug '82

STATION NO.	TOTAL COLIFORM mENDO MEDIUM	FECAL COLIFORM m F C MEDIUM	TEMP C	DO			CHLORIDES		P. H.	WIND	TIDE
				ppm	5 DAY BOD ppm	2.5	T ppm	B			
R-1	1-200 10-300	10-90 25-160	27	4.0	1.5	2.5	2	4	6.7	None	High 0935
R-2	1-2500 10 TNTC	10 590 25 228	29	6.1	1.5	4.6	2	7	7.2	"	" 0959
R-3	1 100 10 60	10 40 25 48	29	7.9	4.5	3.4	8	10	8.1	"	" 1016
R-4	25-12	50-8	28	8.0	5.1	2.9	8	10	8.3	Light	" 1026
R-5	25-4	50-2	28	7.8	5.3	2.5	12	14	8.4	None	" 1043
R-6	25-4	50-4	28	7.0	4.2	2.8	20	20	8.3	Light	" 1102
R-7	25-4	50-0	28	6.4	4.6	1.8	28	28	8.3	Med	" 1116
R-8	25-4	50-4	27.5	5.8	4.5	1.3	32	32	8.2	Light	" 1144
R-9	25-4	50 0	28	5.7	4.1	1.8	30	30	8.2	Light	" 1135
	+	-									

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1875

NO. 10 OF FEBRUARY 1875

1875

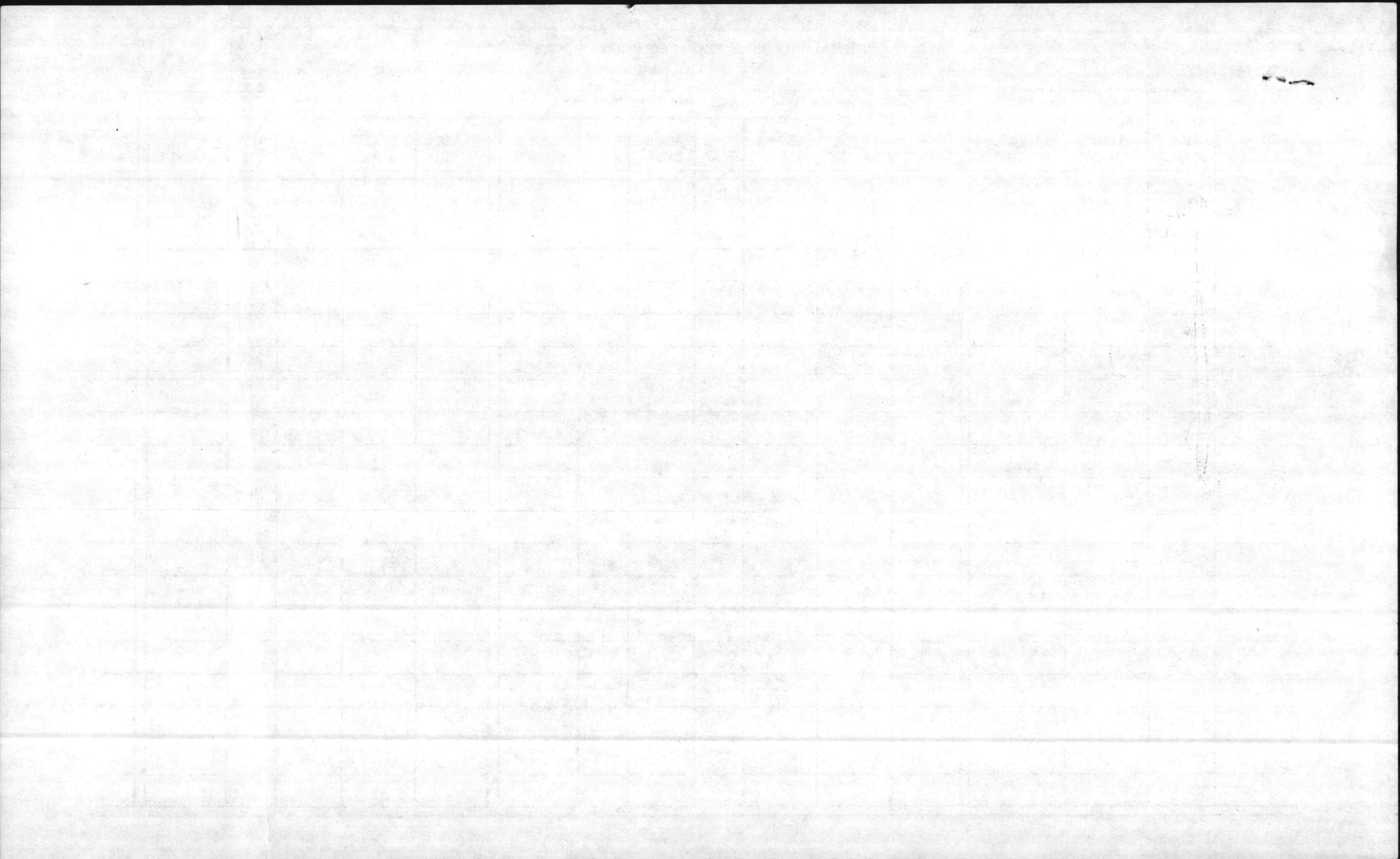
1875

QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

MCBCL 11345/7

DATE COLLECTED	STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE					pH
				DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL	ANALYST	
16 Aug '82	SD Blank									Blank	2	.5580	⁶⁸ 1.5548	3.2	Morgan	
	SD-1									¹⁰⁰ 1000	3	.4985	⁶⁶ .4948	3.7	Ady for Vol	Blank
	SD-2									950	4	.1667	⁶⁷ .1625	4.2		1.1
	SD-3									940	5	.4117	.4079	3.8		0.6
	SD-4									940	6	.5001	.4956	4.5		1.4
	SD-5									940	7	.7458	.7407	5.1		2.0
	SD-6									1000	8	.2843	⁶⁸ .2807	3.6		0.4
	SD-7									1000	9	.9466	.9384	8.2		5.0
	SD-8									1000	9A	.5339	⁶⁹ .5266	7.3		4.1
	SD-9									950	9B	.7485	.7429	5.6		2.5
	SD-															
	SD-															
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RIVER



BIOLOGICAL ANALYSIS OF RIVER WATER

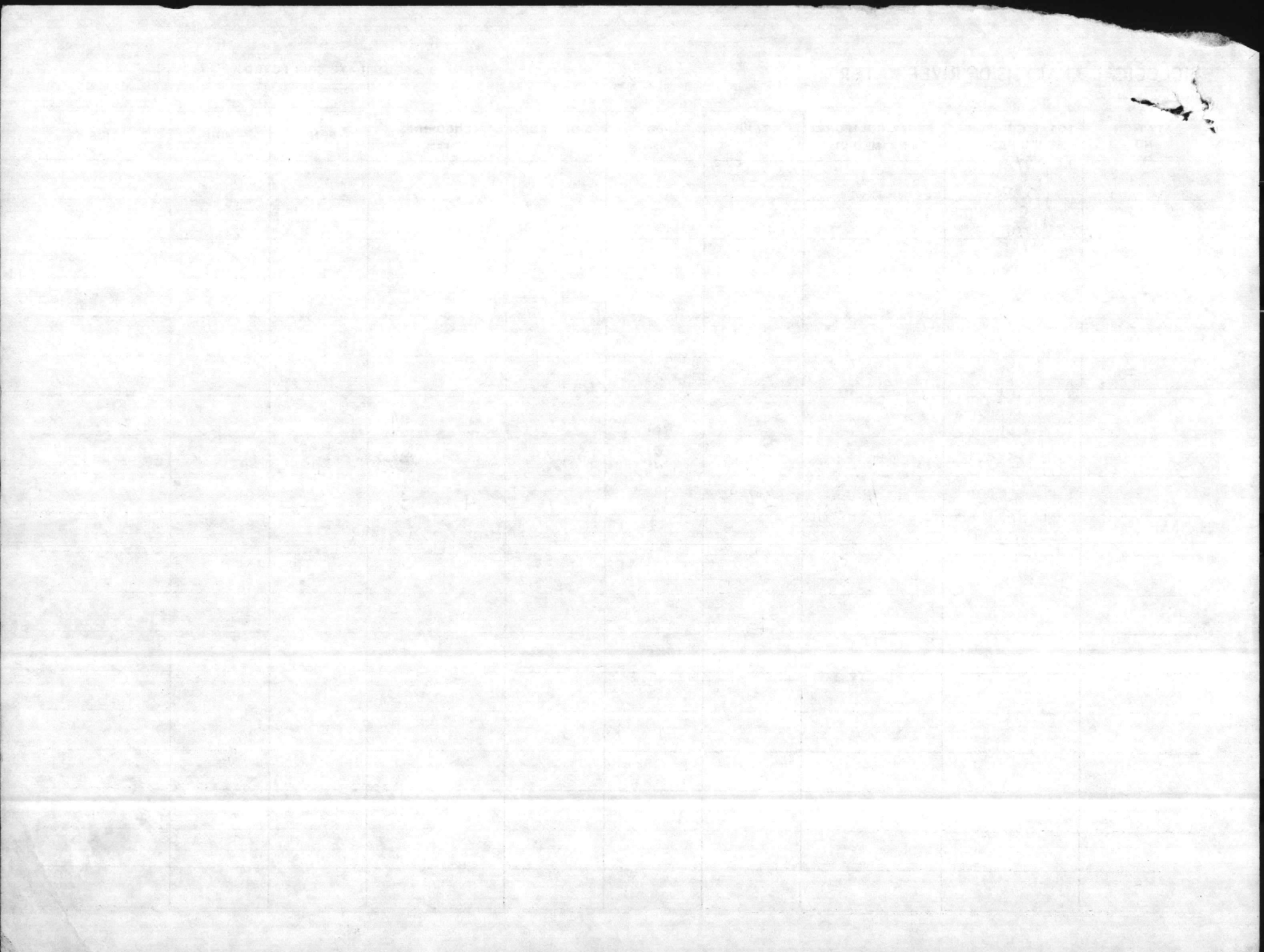
Recorded 9/20/82 I OP 0925

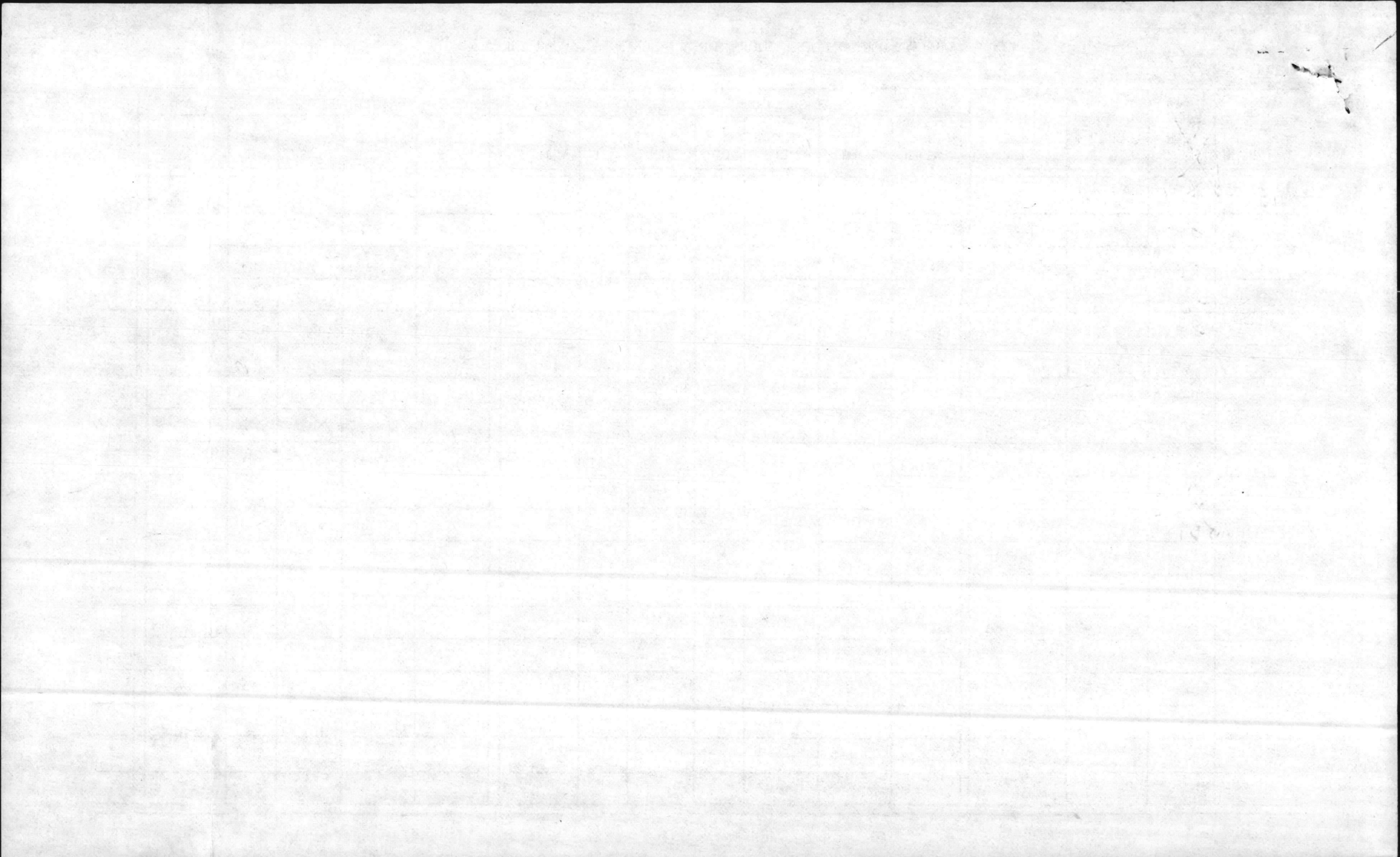
DATE COLLECTED

SALINITY 12 SEP 82

MCBCL 11330/6

STATION NO.	TOTAL COLIFORM		FECAL COLIFORM		TEMP C	DO ppm	5 DAY BOD		CHLORIDES		P. H. TEMP	WIND	TIDE
	m	ENDO MEDIUM	m	F C MEDIUM			DO ₅	ppm BOD	TOP ppm	BOTTOM			
RW-01	10	0	10	0	26°	7.3	1.0	6.3	16	15	7.7	S 905 N 5-10	
02	10	0	10	0	26°	6.0	1.6	4.4	19	19	7.8		
03	10	30	25	0	26°	6.9	3.1	3.8	19	19	8.1		1030
04	50	20	25	0	25°	7.9	4.2	3.7	20	16	8.3		1055
05	50	8	25	0	25°	7.7	4.1	3.6	20	20	8.4		
06	50	4	50	0	25°	7.2	4.2	3.0	25	22	8.3		ebb
07	50	4	50	0	25°	6.7	4.3	2.4	28	31	8.2		ebb
08	50	0	50	4	27°	6.1	4.6	1.5	35	35	8.1		
09	50	0	50	0	26°	6.1	4.6	1.5	34	34	8.2		
Pos	(+)	(+)								M			
Neg	(-)	(-)									B		





152

QUALITY CONTROL LAB - STORM SEWER DISCHARGES - WORK SHEET

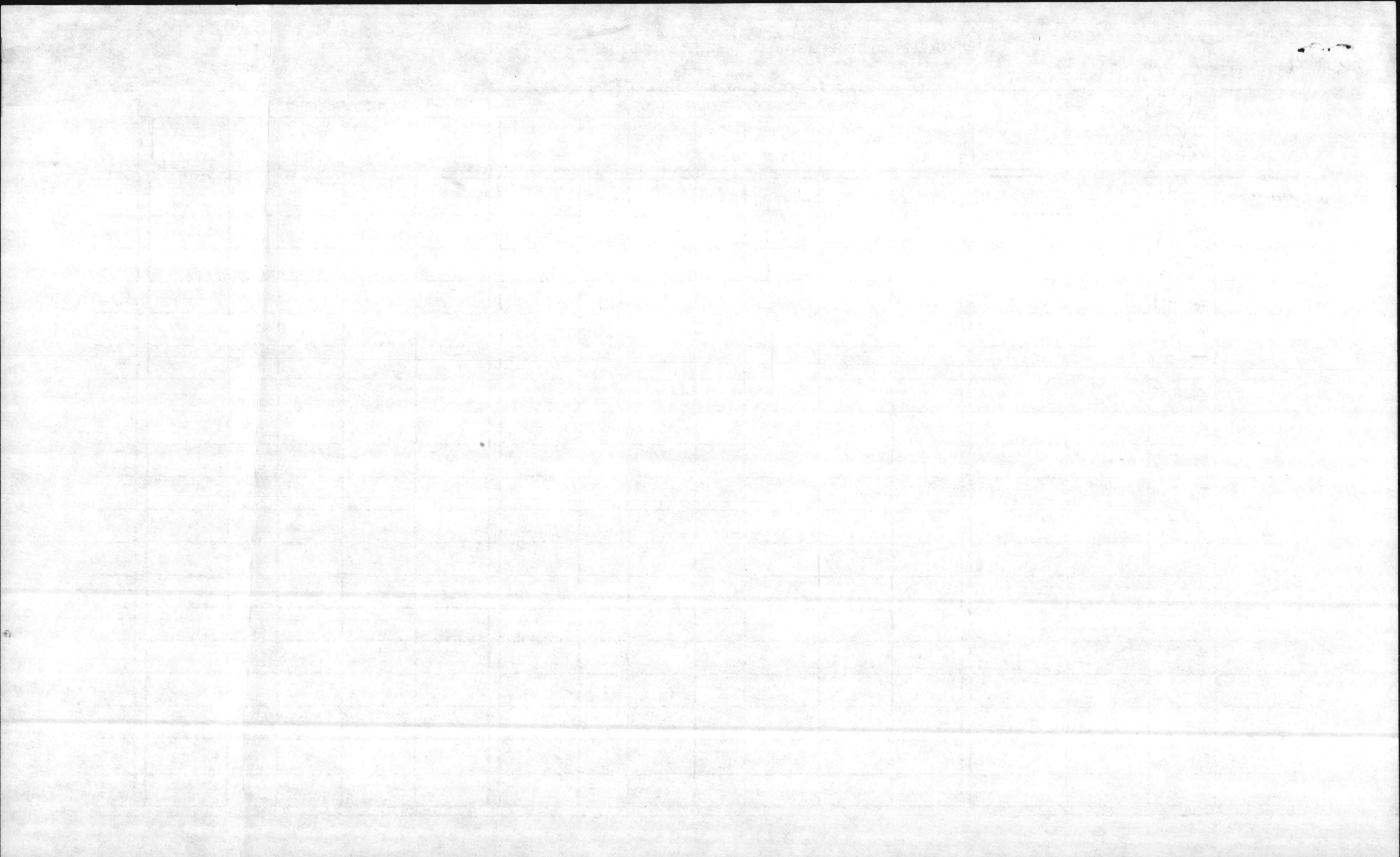
MCBCL 11345/7

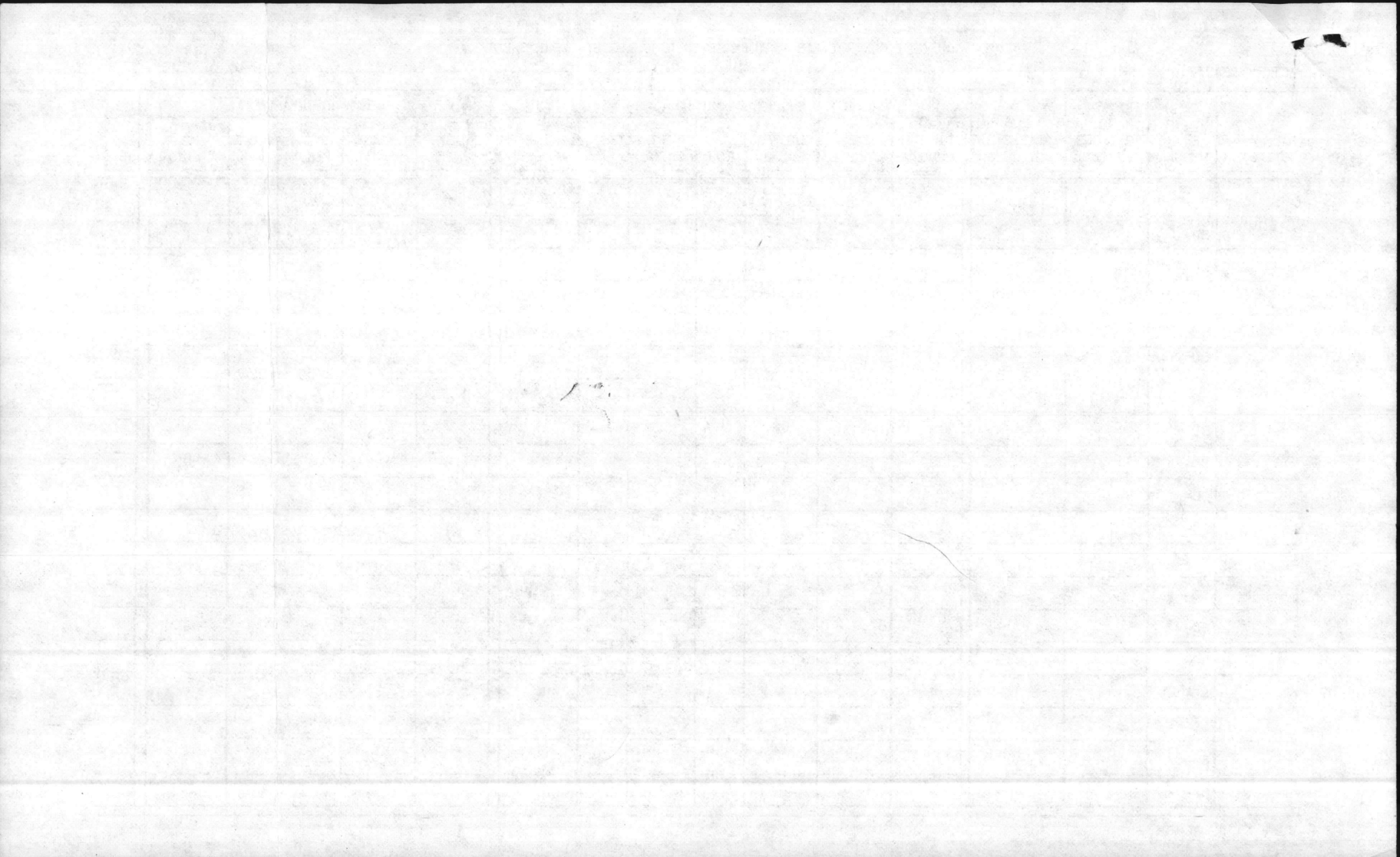
RIVER POINT

5 Oct 82

DATE COLLECTED	STORM SEWER NUMBER	FLOW RATE GALLONS PER DAY	SAMPLE COLLECTOR	TOTAL SUSPENDED SOLIDS (TSS)							OIL AND GREASE					pH			
				DISH NUMBER	ml SAMPLE	DISH & SOLID	DISH	WEIGHT GAIN	TSS mg/l	ANALYST	FLASK NUMBER	FLASK & OIL	FLASK	mg/l OIL	ANALYST				
4 Oct 82	SD-200		<i>W. Chapman</i>								<i>960</i>								
	SD-200										<i>Blank</i>	2	.5552	<i>68</i> .5545	0.7				
	SD-200										<i>Blank</i>	3	.4953	<i>66</i> .4952	0.1				
	SD-R-1										<i>Sample Vol</i> 950	4	.1631	<i>67</i> .1628	0.3			7.1	
	SD-R-2										960	5	.4092	.4089	0.3			7.4	
	SD-R-3										960	6	.4971	.4971	0.0			7.7	
	SD-R-4										960	7	.7420	.7420	0.0			8.1	
	SD-R-5										990	8	.2822	<i>68</i> .2820	0.2			8.3	
	SD-R-6										980	9	.9398	.9394	0.4			8.3	
	SD-R-7										930	9A	.5298	<i>69</i> .5295	0.3			8.25	
	SD-R-8										950	9B	.7454	.7454	0.0			8.25	
	SD-R-9										990	9C	.8139	.8128	1.1			8.2	
	SD-																		
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	SD-																		
	SD-																		

No standards done due to # of samples M.





LACAPELLE, MONAHAN, BETZ

BIOLOGICAL ANALYSIS OF RIVER WATER

MCBCL 11330/6

DATE COLLECTED

8 NOVEMBER 1982

STATION NO.	TOTAL COLIFORM m ENDO MEDIUM	FECAL COLIFORM m F.C. MEDIUM	TEMP C	DO ppm	5 DAY BOD ppm	SUR CHLORIDES ^{BOT} ppm SALINITY	P. H.	WIND TIME	Cl ₂ Cl ₂	TIDE TIME
RW 01	10. 3600 1.0 TNTC 1.0 3000	10 (520) 1.0 300 10.0 10	13	3.7	1.3 2.4	0.0 16	6.1	925		LOW OUTGOING
CG	10. TNTC 10 TNTC	25 (400) 10 (70)						930	0.0	
RW 02	1.0 900 1.0 200	1.0 200 10 1100	12.5	7.2	3.3 3.9	14 18*	6.0	945		
TT	10 390 10 210	25 (82) 10 (70)						953	0.4	
RW 03	1.0 0 1.0 100	25 (60) 10 10	15.0	8.4	5.3 3.1	16 18	6.5	956		
CJ	10 240	25 (52)						1003	1.0	
RW 04	50 160 1.0 0	50 (68) 10 10	14.0	9.5	6.0 3.5	16 16*	6.9	1013		
HP	10. 20	25 (4)						1022	1.0	1.0
RW 05	50 4	50 0	14.0	9.0	6.0 3.0	21 21	7.0	1033		
RR	50 4	50 2	LOW FLOW					1043	0.4	
RW 06	50 4	50 0	14.0	9.0	6.4 2.6	24 23	7.6	1054		EBB INCOMING
CHB	50 0	50 0						1100	1.5	
RW 07	50 2	50 0	14.5	8.3	6.8 1.5	29 30	7.8	1108		INCOMING
RW 08	50 TNTC	50 16	14	8.2	7.0 1.2	30 30	7.9	1137	0.0	
OB	50 2	50 0	0.2 IN CHANNEL					1133	0.2	
RW 09	50 4	50 0	15.0	8.2	6.8 1.4	30 30	7.9	1123		SOUTH-WEST
+ CHECK BACT										

* HIT BOTTOM

STATE OF NEW YORK
IN SENATE
January 12, 1911.

12