NREAD/DDS/th 6280/1

9 AUG 1983

The second section

From: Commanding General

To: Commanding Officer, Naval Hospital, Camp Lejeune, NC 28542

Subj: Water Quality Monitoring and Related Environmental Health Considerations

Ref: (a) CG MCB ltr NREAD/DDS/th 11330/2 of 19 May 1983

Encl: (1) Weekly Chemical Analysis of Drinking Water

(2) Weekly Bacteriological Analysis of Drinking Water (3) Weekly NRMC Ice Samples Bacteriological Analysis

(4) Recreational Areas Bacteriological Analysis

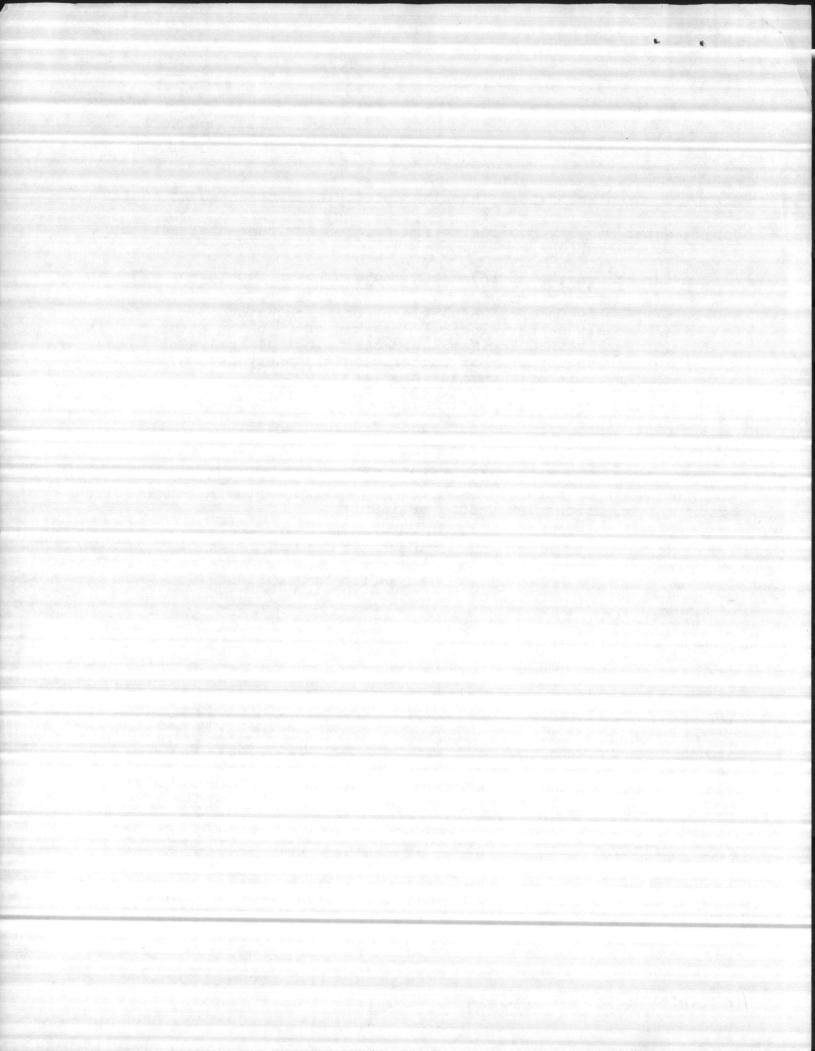
(5) Analysis of Complaint Samples

(6) Analysis of Water Samples from Military Units in the Field

- 1. In accordance with the reference, enclosures (1) (6) are forwarded for information.
- 2. Questions regarding this matter should be forwarded to Mr. Danny Sharpe, Natural Resources and Environmental Affairs Division, extensions 2083, 5003 or 1690.

M. G. LILLEY
By direction

Blind copy to: Supvy Chemist, QCL



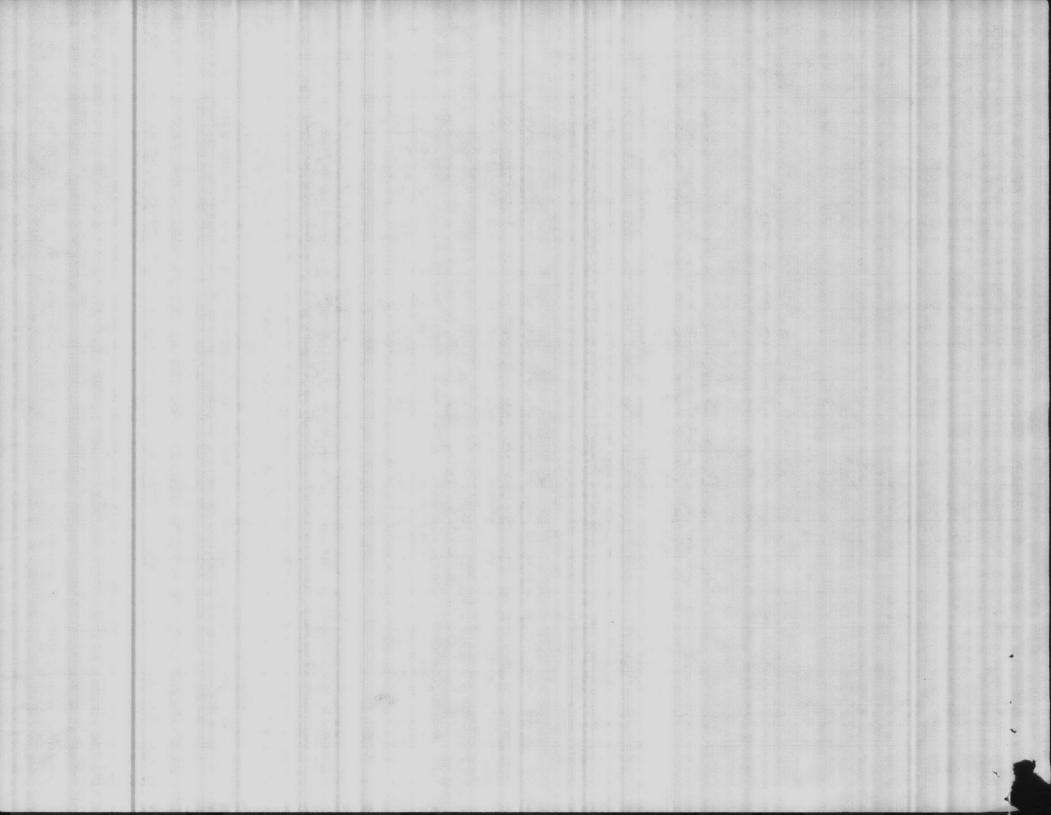
CHEMICAL ANALYSIS MCBCL 11330/3 (REV. 3-82)	-	WATER	TREATMENT	PLANTS
	_			

FILE	COPY
DATE COLLECTED	
5 JUL	¥ 1983

							2 VULY 1183		
HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
8.71	7.26	8.58	7.38	8.28	8 19	897	8.5%		
	0		0	.,		4	10		
	180		158	4-16-7	15-6	52	1111		
4		4	0	12	750	8	1.7.		
52	180	56	158	1100	1570	44			
16	34	10	20	16	26	12			
60	48	76	82	56		70	82		
0.40	0,83	0.05	0.19	0.04		1.04	A 22		
1.05/102	0,33 (	1,24/1,23	20,24	0.14	1	0.98/92	211		
1.0	1.1	1.1	1,2	1.2	10	1.0			
3.4	0.42	0,49,42	0.24	0,20	121	1.05/14	041		
	2.08				0126	70121	0,76		
+0.29	+-	+0.24		- 0.01	-0.24	+0.27	+0.17		
	8.71 2 56 4 52 16 60 0.40 1.05/.02 1.0 3.4	POINT POINT  8.71 7.26  2 0  56 180  4 0  52 180  16 34  60 48  0.40 0.83  1.05/.02 0.33 ( 1.0 1.1  3.4 0.42  2.08  1.24  0.84	8.71 7.26 8.58  2 0 2  56 180 60  4 0 4  52 180 56  16 34 10  60 48 76  0.40 0.83 0.05  1.05/.02 0.33 (1.24/1.23  1.0 1.1 1.1  3.4 0.42 0.49/0.42  2.08  1.24  0.84	POINT POINT TERRACE BEACH  8.71 7.26 8.58 7.38  2 0 2 0  56 180 60 158  4 0 4 0  52 180 56 158  16 34 10 20  60 48 76 82  0.40 0.83 0.05 0.19  1.05/1.02 0.33 (1.24/1.23 0.24  1.0 1.1 1.1 1.2  3.4 0.42 0.490.42 0.24  2.08  1.24  0.84	POINT POINT TERRACE BEACH BAY  8.71 7.26 8.58 7.38 8.28  2 0 2 0 6  56 180 60 158 172  4 0 4 0 12  52 180 56 158 160  16 34 10 20 16  60 48 76 82 56  0.40 0.83 0.05 0.19 0.04  1.05 1.1 1.1 1.2 1.2  1.0 1.1 1.1 1.2 1.2  3.4 0.42 0.49 0.42 0.24 0.20  2.08 0.35  1.24 0.84  0.84  0.28	8.71 7.26 8.58 7.38 8.28 8.09 2 0 2 0 6 0 56 180 60 158 172 156 4 0 4 0 12 0 52 180 56 158 160 156 16 34 10 20 16 26 60 48 76 82 56 48 0.40 0.83 0.05 0.19 0.04 0.05 1.05 0.33 (1.24/1.23 0.24 0.14 0.19 1.0 1.1 1.1 1.2 1.2 1.0 3.4 0.42 0.49 0.42 0.20 0.26 2.08 0.35 1.24 0.99 1.020 1.28	8.71 7.26 8.58 7.38 8.28 8.09 8.92  2 0 2 0 6 0 4  56 180 60 158 172 156 52  4 0 4 0 12 0 8  52 180 56 158 160 156 44  16 34 10 20 16 26 12  60 48 76 82 56 48 70  0.40 0.83 0.05 0.19 0.04 0.05 0.04  1.05/.02 0.33 (1.24/1.23 0.24 0.14 0.19 0.98/092  1.0 1.1 1.1 1.2 1.2 1.0 1.0  3.4 0.42 0.45/0.42 0.24 0.20 0.26 1.05/0.24  2.08 0.35  1.24 0.07  0.84 0.28	HADNOT POINT TERRACE ONSLOW EBACH COURTHOUSE RIFLE RANGE HOLCOMB RIVER  8.71 7.26 8.58 7.38 8.28 8.09 8.92 8.56 2 0 2 0 6 0 4 10  56 180 60 158 172 156 52 146 4 0 4 0 12 0 8 20  52 180 56 158 160 156 44 126  16 34 10 20 16 26 12 46  60 48 76 82 56 48 70 82  0.40 0.83 0.05 0.19 0.04 0.05 0.04 0.23  1.05 1.0 1.1 1.1 1.2 1.2 1.0 1.0 1.2  3.4 0.42 0.49 0.42 0.20 0.35  1.24 0.89 0.35  1.24 0.89 0.35	

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

| LABORATORY ANALYSIS BY | Survey | Surve



CHEMICAL ANALYSIS - WATER TREATMENT PLANTS MCBCL 11330/3 (REV. 3-82)

AM

AM

PM

PARAMETER

PH

PENOLTHALEIN ALKALINITY

METHYL ORANGE

**BICARBONATES** 

CHLORIDES AS C1

HARDNESS AS CaCO3

CHLORINE RESIDUAL

TOTAL PHOSPHATE

ORTHO PHOSPHATE

META PHOSPHATE

STABILITY

AS CaCO3

**IRON AS Fe** 

FLUORIDE

TURBIDITY

CARBONATES AS CaCO3

ALKALINITY

HADNOT

POINT

8.80

60

8

52

66

0.04

1.0

0,20

0.24

0.93

MONTFORD

POINT

7.36

0

182

182

40

1.07

1.4

4.60

0.77

3.83

TARAWA

TERRACE

8,50

64

0.09

1.0

0,13

0.93

0.50

0.86

0.74

0,35

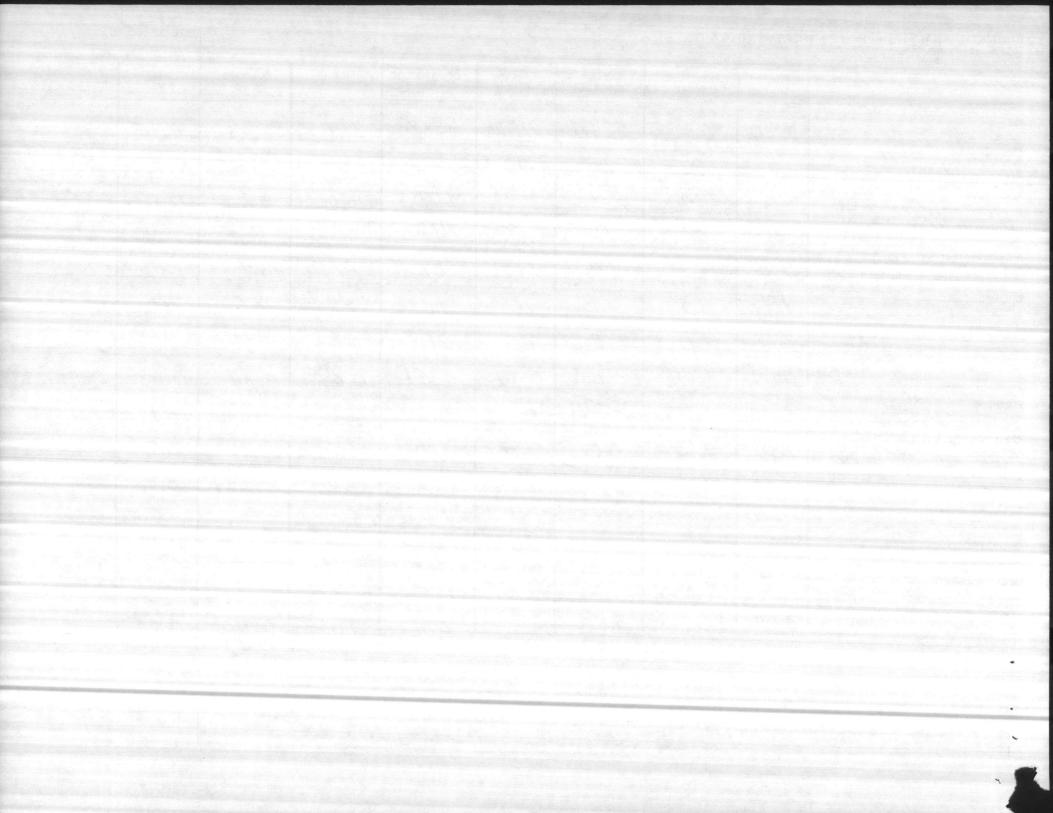
0.86

0.06

				FILE DATE COLLECTED 12 July	
ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
2.62	8.38	8.41	8.93	8,95	
0	2	_4	4	12	
158	120	156	62	156	
0	.4	8	8	24	
158	166	148	54	132	
16	16	22	8	116	
60	86	66	24	26	
0.17	0.04	0.05	0.04	0.08	
0,27	0.21	0,13	1.06	0.79	
1.4	1.0	1.0	0.9	1.2	
0.24	0.22	0.24	0.20	0.40	para di Malanda di Salah da S
5 - 30 50 - 70 de 18	1.21				

0.34

TE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.	LABORATORY ANALYSIS BY	DATE OF ANALYSIS

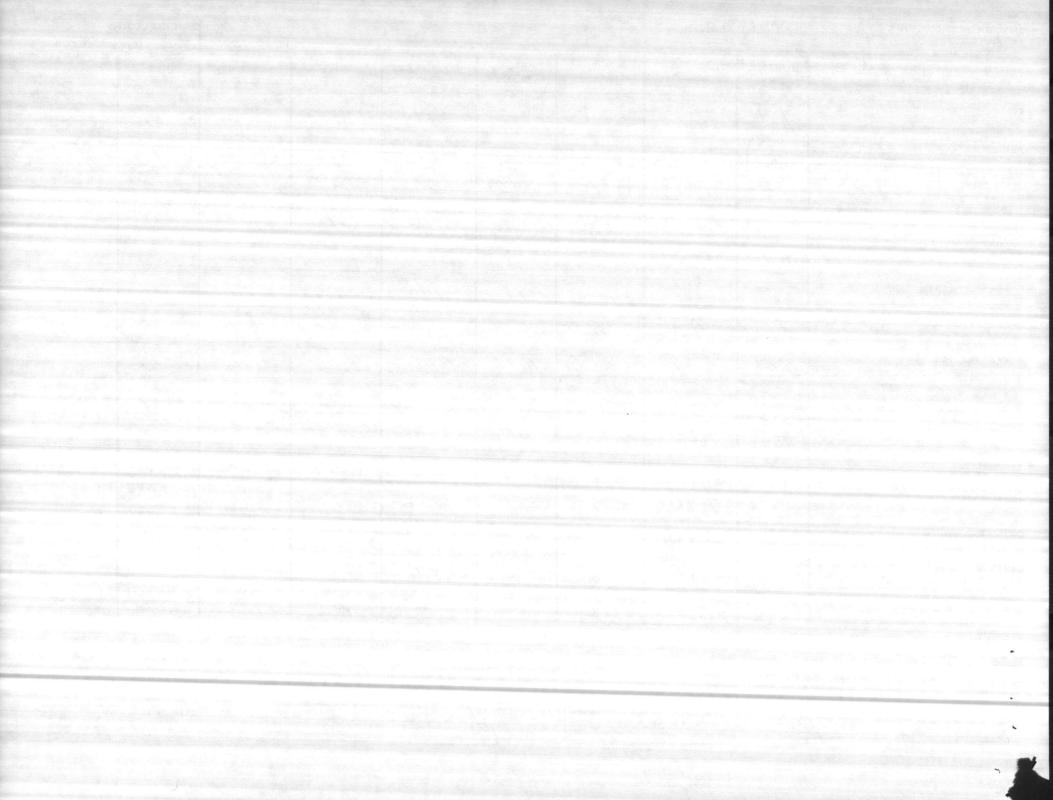


DATE COLLECTED

MCBCL 11330/3 (REV. 3-82)					· · · · · · · · · · · · · · · · · · ·			19 341	4 1483
PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
РН	8.9	7.3	9.4	7.5	8.4	8.3	2.8	1.4	
PENOLTHALEIN ALKALINITY	4	0	2	0	1	2	6	4	
METHYL ORANGE ALKALINITY	50	180	70	140	150	136	64	140	
CARBONATES AS CaCO3	8	0	4	0	12.	4	12	8	
BICARBONATES AS CaCO 3	42	180	66	140	138	132	52	112	
CHLORIDES AS C1	10	60	10	19	14	20	10	46	
HAPDNESS AS CaCO3	60	92	90	92	60	50	62	56	
RON AS Fe	0.04	(0.68)	0.07	0.20	0.06	0.06	0.07	0.08	
FLUORIDE A 1"		0.27	001	0.18	1.19	0.13	076	0.53	
CHLORINE RESIDUAL	1.0	1.0	10	1.0	1.4	0.8	0.9	1.3	
TURBIDITY AIN PIN	0.26	0.56	0.50	0.14	0.16	0.19	0.64	0.26	
TOTAL PHOSPHATE		2.80			1.26				
ORTHO PHOSPHATE		1.30			0.22				
META PHOSPHATE		1.50	-6		1.04				
STABILITY	10.3		+0.2		0.0	-0.1	10.3	0.0	

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

DATE OF ANALYSIS



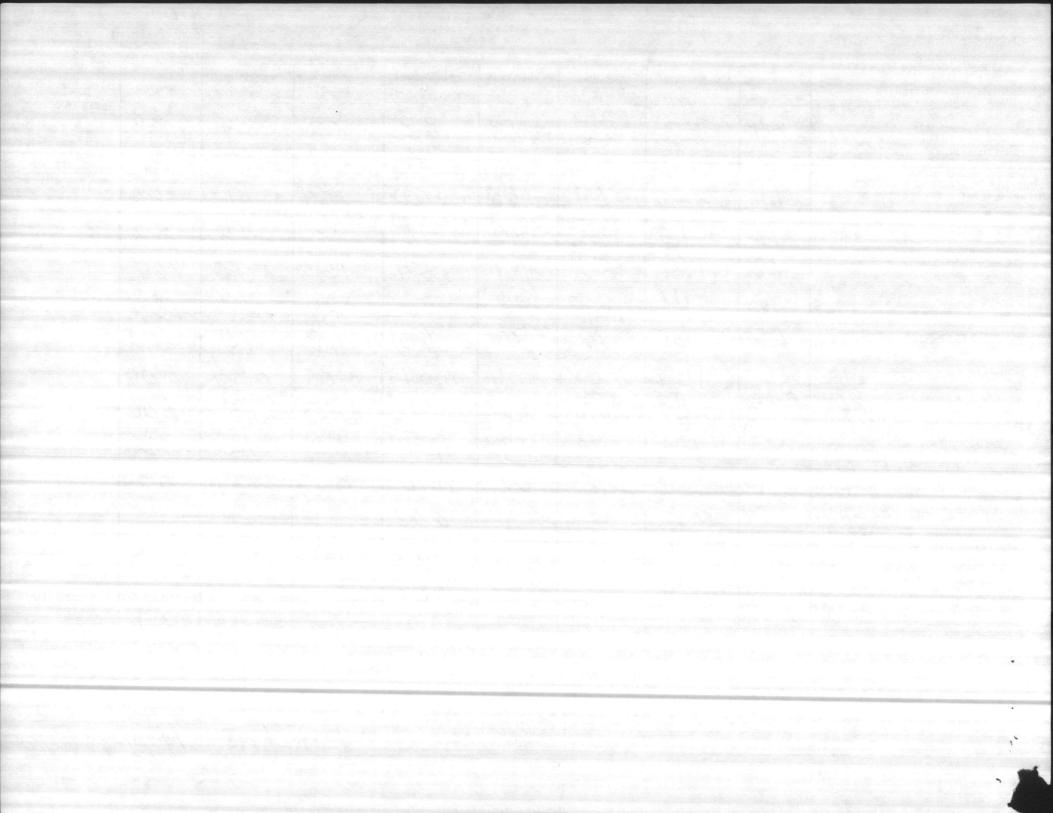
CHEMICAL ANALYSIS — WATER TREATMENT PLANTS MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED
7-24-83

FILE -

MCBCL 11330/3 (REV. 3-82)	e application of the second							1-26-83	
PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	•
РН	8.9	7,3	8.7	7.3	8.3	8.2	8.9	8.8	
PENOLTHALEIN ALKALINITY	8	0	6	0	8	4	8	16	
METHYL ORANGE ALKALINITY	64	186	64	160	170	164	66	196	
CARBONATES AS CaCO3	16	0	12	0	16	8	16	32	
BICARBONATES AS CaCO <sub>3</sub>	48	186	52	160	154	156	50	164	
CHLORIDES AS C1	8	46	8	12	16	24	12	134	
HARDNESS AS CaCO3	66	60	82	80	60	48	70	50	
IRON AS Fe	0.04	6,67	0.08	0.04	0.04	0.05	0.04	0.07	
FLUORIDE AM	0.13	0.32	0,99	0,27	0.23	0,23	0.83	1,06	
CHLORINE RESIDUAL	0.8	1.4	1,0	1.0	1,3	1.0	1.0	1.2	
TURBIDITY $\frac{A^{\prime}}{P^{\prime}}$		0.30	0.40	0.14	0.16	0.17	0.16.14	0.24	
TOTAL PHOSPHATE		2.52			0.28				2
ORTHO PHOSPHATE		1.38			0.10				
META PHOSPHATE		1.14			0.18				
STABILITY	+0.4		+0.3	_	0.0	-0.1	+0.4	+0.1	

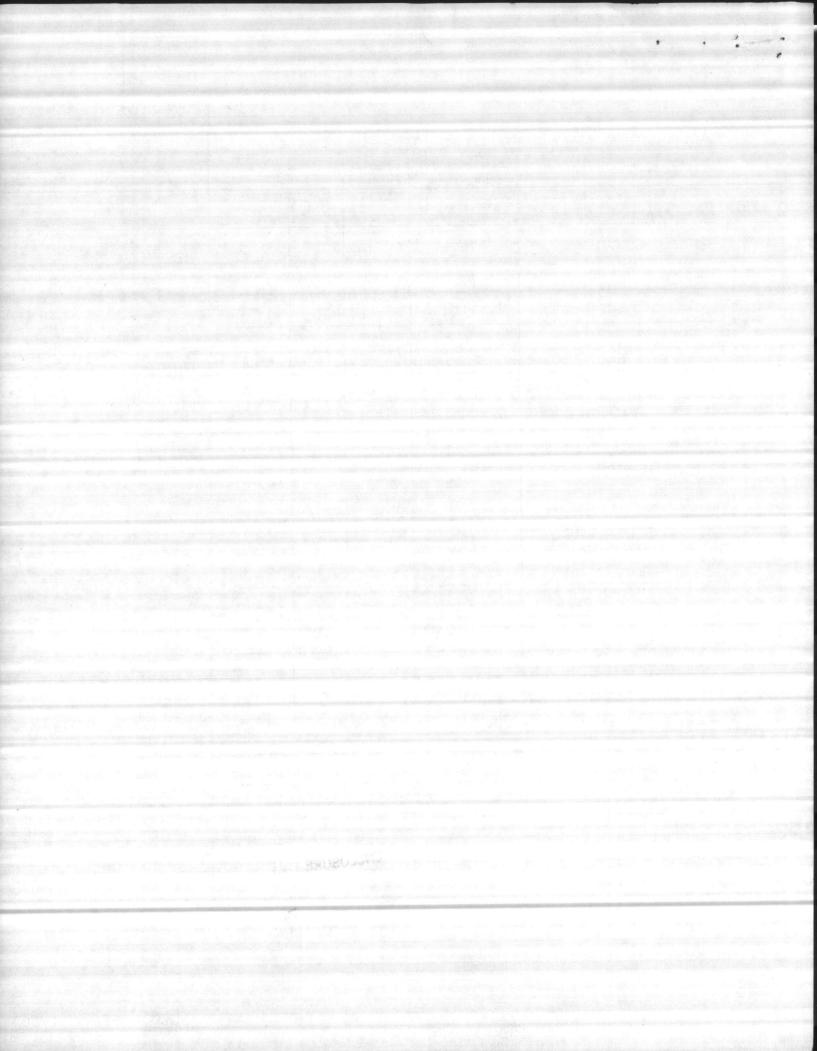
NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, LABORATORY ANALYSIS BY and specific conductance. One liter of potable water is assumed to weigh one kilogram.



ANALTSIS O	F WATER'	NON-REPORTABLE				
-LS   MARKED		RESIDUAL CHLORINE	рН	TIME		
	1	1.5		0.83		
	1	0.6		157		
-	1	08		0942		
	1/2	0.5	7.4	1045		
	i di	0.6		1115		
	4	0.5	7.2	1125		
	1	0.5	7.2	1127		
	1	1.6	7.1	0820		
	1	2.5	7.1	0831		
	(1)					
	1					
	T	MARKED COLIFORM COUNT	MARKED COLIFORM COUNT RESIDUAL CHLORINE  1.5  0.6  0.5  0.5  0.5  0.5  0.5	MARKED COLIFORM COUNT RESIDUAL CHLORINE PH  1.5  0.6  0.5  7.4  0.5  7.5  1.5  1.5  1.5  1.5  1.5  1.5  1		

ENCLOSURE (2)

MCBCL 11880/4 (A)

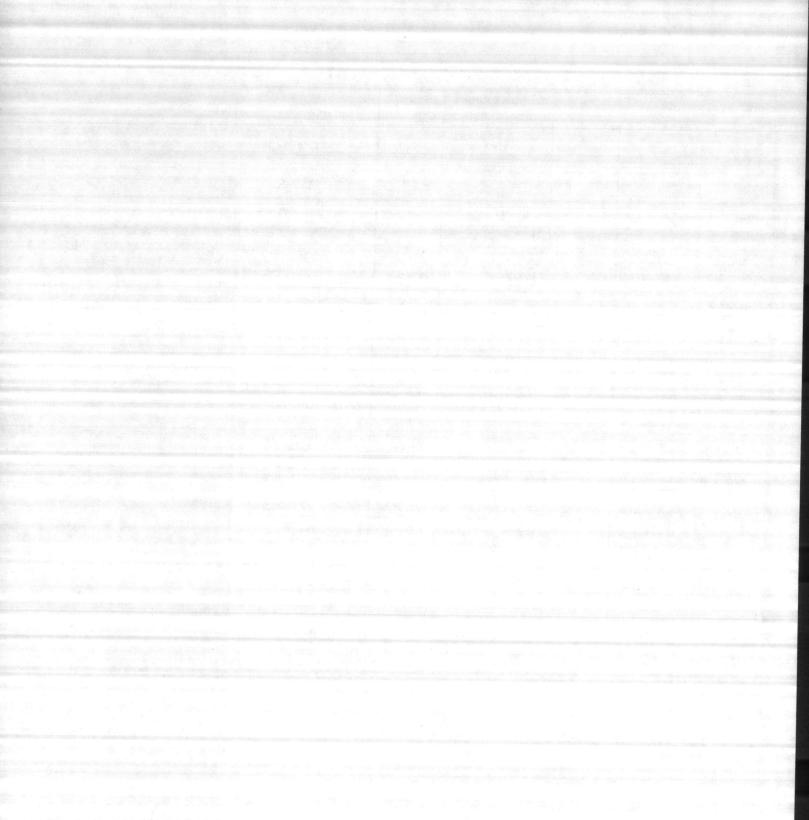


BACTERIOLOGICAL	ANALYSIS	SE	WATER

### NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT	RESIDUAL CHLORINE	рН	TIME
BB-97	1-1800-00-0	ф	1.0		0850
FC-19		Φ	0.9		1115
SH-8		φ	0.6		1130
	data yadasa				
M.P. POOL		$\phi$	0.2	7.6	1115
#2 POOL		$\phi$	0.7	7.2	0914
#5 POOL		Chosen			
P. P. POOL		Φ	0.6	7.4	1030
P. P. BABY POOL		Φ	06	7.4	1032
MCAS E-POOL		5	1.2	7.0	0810
MCAS O-POOL		$\phi$	0.9	7.0	0830
MCAS BABY POOL		φ	0.8	7.0	0833
ICE SOMPLE	,	ф			AUF-10-
3206 1300					
				4	

REMARKS	HP	Poul	NUHITOS	AJØNJ →	C UL	Fire	
		SAMPLE	11		.,		



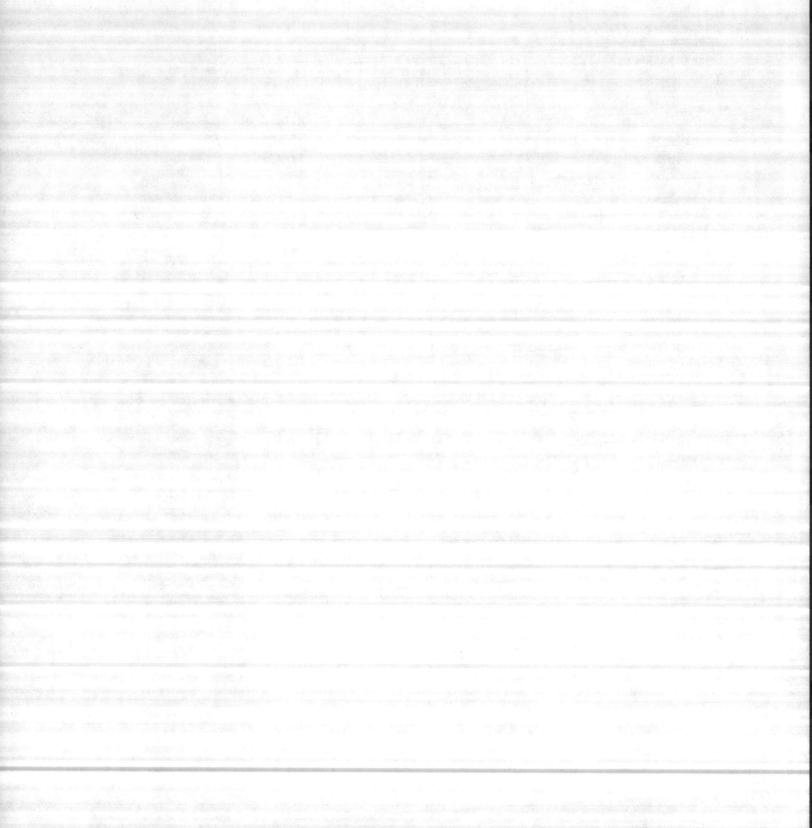
MARKED	COLIFORM COUNT		PORTA	) LL
MARKED	M-ENDO MEDIUM	RESIDUAL		TIME
	d			+
	Φ	21		
	1			1000
	P	0.4		0950
	do			A post
	4	0.3	7.3	0425
	Ψ	0.6	7.4	1036
	CLOSED			
	4	0.5	7.3	1055
		p  p  chosan	ф 0.6  ф 0.4  ф 0.3  ф 0.6  CLOSED	Φ 0.6 Φ 0.6 Φ 0.3 7.3 Φ 0.6 7.4 CLOSED

MCAS BABY POOL		10.5	1.2	0430
ICE SAMPLE	Chesin			12.00
BLDG 1300	\$			0100
WETHER SAMPLE				3,00
EMARKS	$\perp \varphi$			1313

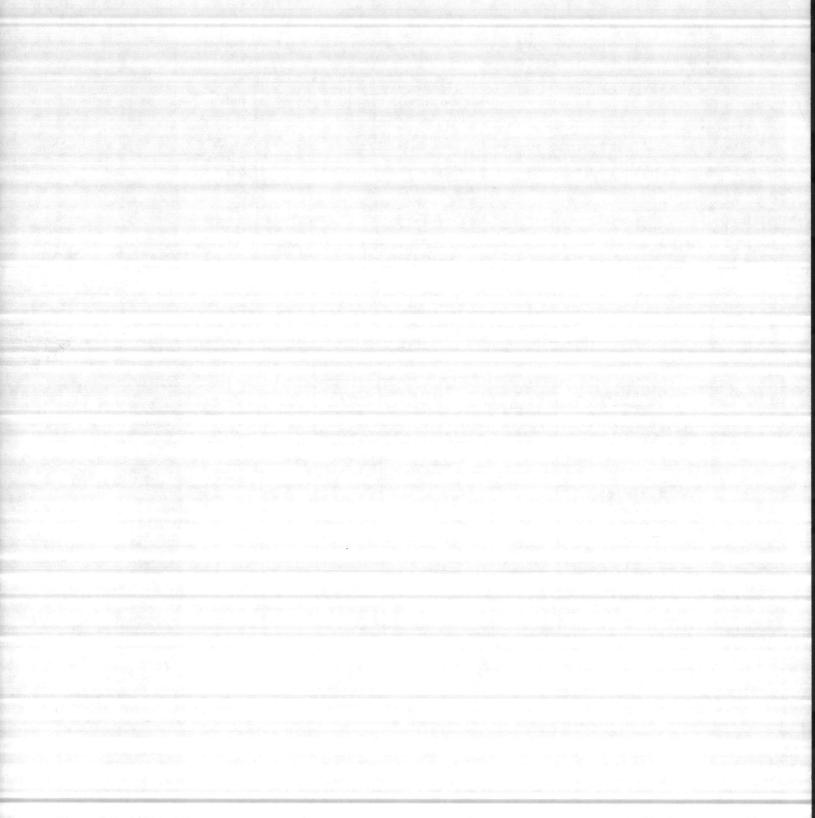
MCAS O-POOL

7.0 0920

0.6



ANALTSIS U	FWATER	NON-RE	PORTAB	LE
MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	рН	TIME
	Ø	0.8		0835
		0.5		1000
1. 1	1	0.6		0947
	Ø	0.8	7.6	1100
	Ø	0.8	2.4	1015
	Closed	\$ 7 X		
	Ø	0.7	2.2	1045
		0.7	1.2	1050
		0.7	2.6	0900
		0.8	7.9	0915
	Closed			
	0			0840
	T	M-ENDO MEDIUM  Closed  Closed  Closed	MARKED COLIFORM COUNT RESIDUAL CHLORINE  O.8  O.5  O.6  O.8  O.8  O.8  Closed O.7  O.7  O.8  Closed O.8  Closed O.7  O.8	MARKED COLIFORM COUNT RESIDUAL CHLORINE PH

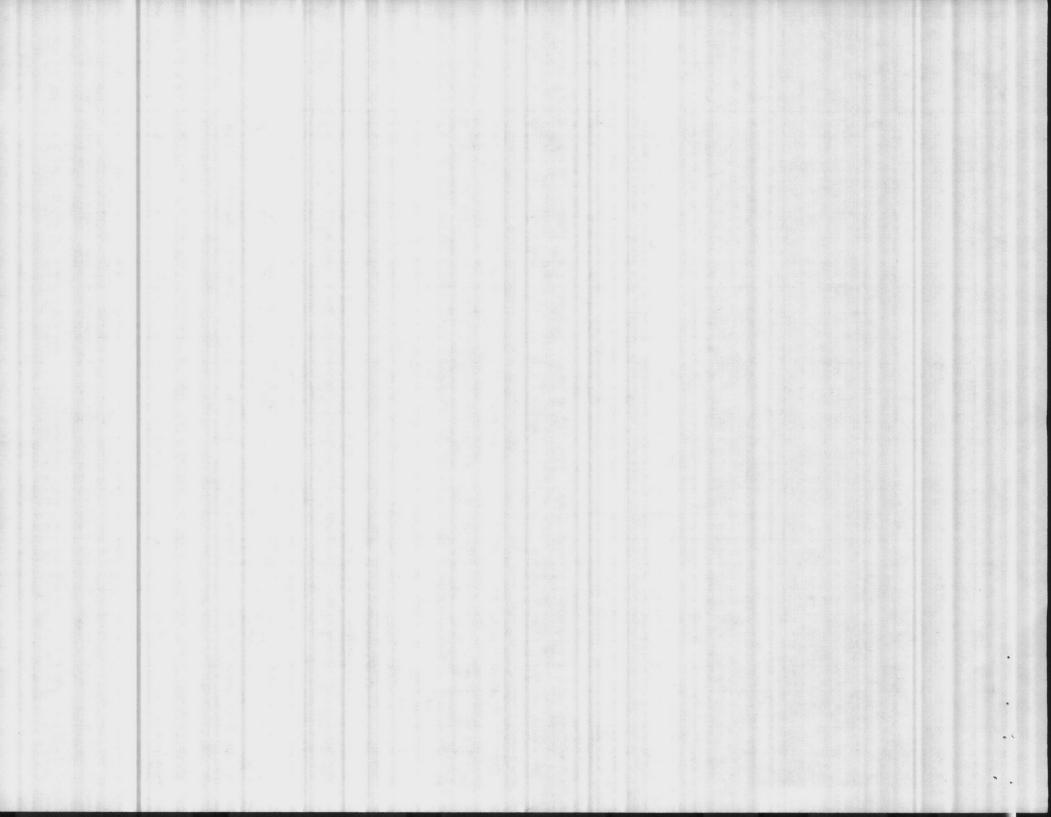


REPOR	RTARIF	POINTS	FOR	SDWA

WATER	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME
RR - 3	1		0.8	0125	MCAS - 3502	24	4	0.2	1009
RR - 15	2 .	1	0.5	3420	MCAS -4012 415 7	' 25		0.6	750
RR - 6	3		1.0	0940	MCAS - 2002	26		0.5	1020
	4				MCAS 71.0.0 2114	i 27		0.6	1041
A-1	5		1.0	0850	MCAS -	28			
BB - 7	6		1.0	0830	MCAS -	29			
BB - 49	7		1.0	0810	KNEW HOSPITCH	30		0.8	1216
BB: 15	8		1.1	0815	PP - 2615	31		0.7	1125
	9				PP- 2602	32		07	1132
BA - 103	_10		0.8	1030	BM - 5400	1. 33		0.6	1142
BA-101	11 .		0.8	1035	BM-825	34		0.6	11117
	. 12				LCH - 4022	, 35		0.8	1230
TT - 38	13		1.0	0900	NEW H. 72.7 L	36		0.8	1245
TT - 43	14		1.0	0915	FUN SI WILL	37		0.8	1212
т-3123	15		0.8	0930	H-10LO HOSE TOL	38		0.5	1100
	16	1 1 1 1 1 1 1 1 1 1			H-10-LO H-10-L H-10-LO H-10-L H-2-LO H-10-L	39		0.5	1107
CK-1310	17		0.2	1000	FC - 303	40		0.6	0126
M - 139	18		1.2	1015	FC - 420	41		0.6	0120
M- 19	19		1.1	1030	FC- 320	42	\ \V	0.6	0915
CG - 1	20				HP - 236	43	$\phi$	0.6	1115
G - 650	. 21		0.6	09.25	HP - 540 .	44	Chasen		_
TC-898 830	22	I	0.7	THE RESIDENCE OF THE PARTY OF T	HP - 1300	45	(b)	0.7	0855
TC- 4040	23	0	0.3		HP- 1211	46	(1)	0.7	0402

REMARKS

H. J. Burns 7/27/83



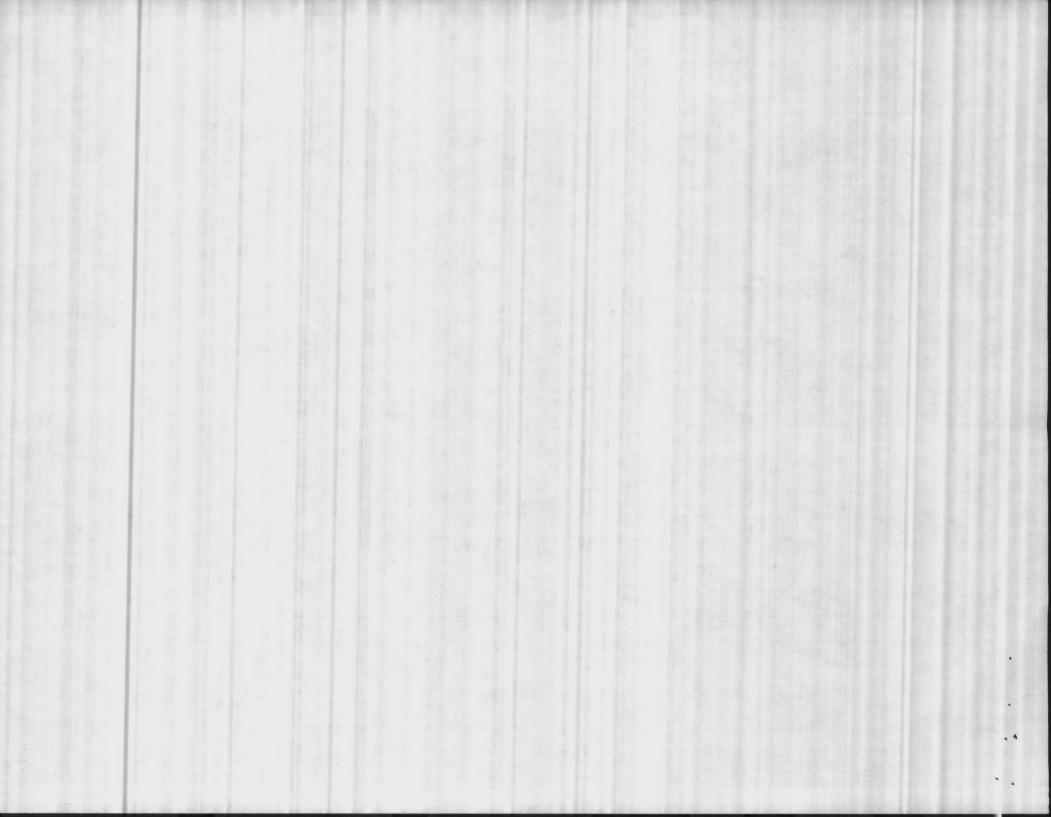
BACTERIOLOGICAL ANALYSIS OF WATER MCBCL 11330/4 (REV. 3-82)

7/5/83

REPORTABLE POINTS FOR SDWA									
WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME
RR - 3	1	Φ	1.0	0940	MCAS - 3502	24	1	03	1009
RR - 15	2	()	1.0	0730	MCAS -4012 415 D	' 25		0.7	1000
RR - 10	3	Φ	1.0	0445	MCAS - 2002	, 26		0.8	1021
	4				MCAS-M.EQ 1104	i 27		09	OPKO
A-1	5	CLOSED	_		MCAS -	28			
BB - 7	6	Ф	1.2	0840	MCAS -	29			
BB - 49	7		0.8	0900	Lad FLOOR BOTH COLD	30		0.8	1055
<sup>BB-</sup> 45	8		1.2	0850	PP - 2615	31		0.6	1040
	9				PP- 2604	32		0.6	1025
BA - 103	. 10		1.0	1120	BM - 5400	1. 33		0.7	1015
BA- 102	11		0.8	1130	BM-5102	34		07	1008
	12				LCH - 4022	, 35		08	1145
TT - 38	13		1.0	0930	LCH- 704	36		0.8	1150
TT - 43	14		0.9	0945	HUUM SEENCE	37		0.8	1050
ш- 2391	15		0.8	1000	H-1/57 + 100 ( 13 574 200 1	38		0.6	1000
	16				H-1/57 ALONE MESTER Sen 1 H-2/4 ALONE BORN CON	39		0.6	0956
CK-1602	17		0.8	1025	FC - 303	40		0.7	0447
CK- 1602 M-139	18		1.0	1100	FC - 420	41		07	0945
M 231	19		0.9	1045	FC- 360	42	V	07	0940
<del>- ca-+</del>	20				HP - 236	43	\$	0.7	0914
M- 231	21	<b>,</b>	0.3	0935	HP - 540	44	Closes		
TC - 83 <b>2</b> )	22	V	6.7	0420	HP - 1300	45	1	08	0920
TC- 4040	23	Ф	0.3	0948	HP- 325	46	1 0	08	0430

REMARKS

7/6/83

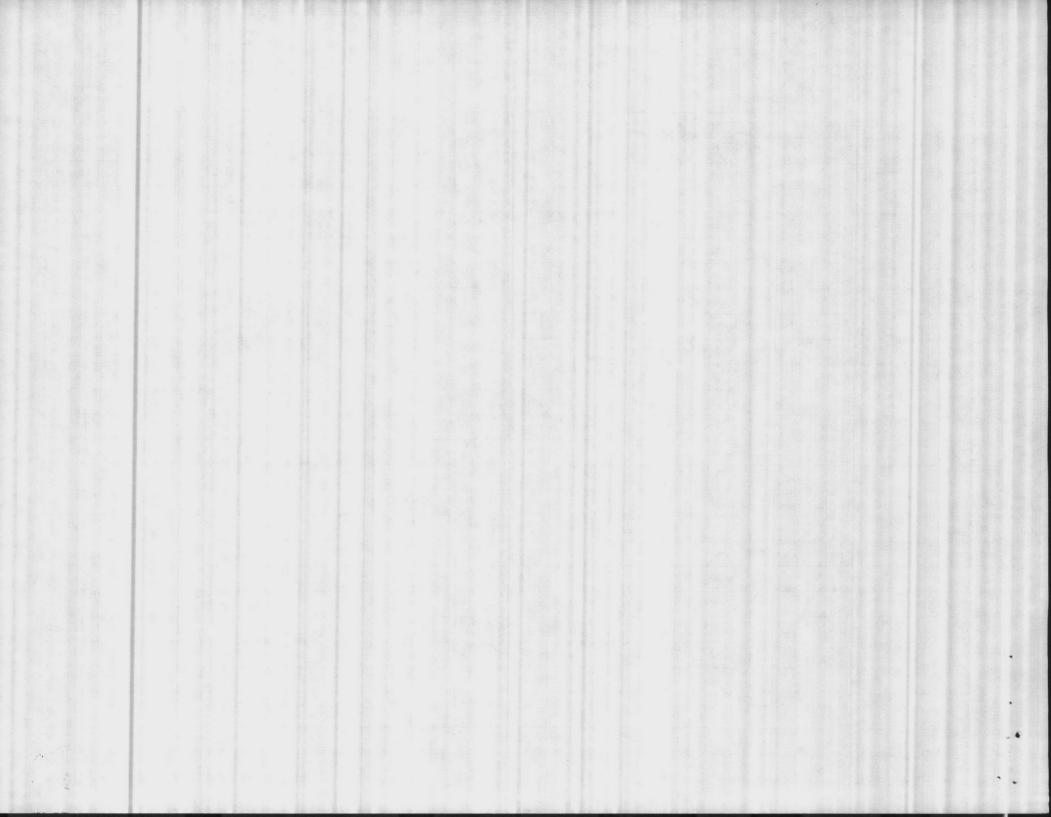


#### REPORTABLE POINTS FOR SDWA

REPORTABLE POINTS FOR SOWA									
WATER	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL	TIME	WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME
RR - 3	1	0	1.2	0955	MCAS - 3502	24	1	1.2	0820
RR - 15	2		0.8	0945	MCAS - 4012	25		1.1	0830
RR-12	3		1.0	1000	MCAS - 2002	, 26		1.0	0950
	4				MCAS- 14158	27		1.1	0839
A-1	5		0.8	0915	MCAS -	28			
BB - 7	6		1.0	1815	MCAS -	29			
BB - 49	7		0.4	1845	2nd Floor HEAD	30		0.8	113.4
BB: 245	8		0.8	0825	PP - 2615	31		0.5	1100
	9				PP- 2611	32		0.5	1105
BA - 103	. 10		1.0	1110	BM - 5400	1. 33		0.6	1110
BA- 101	11		0.7	1120	BM-5082	34		0.6	1118
	12				LCH - 4022	, 35		0.7	1200
TT - 38	13		1.0	0850	LCH-4025	36		0.7	1206
TT - 43	14		1.0	1005	NEW HOSPITCH	37		0.8	1130
<sup>ТТ-</sup> 313	15		1.0	1015	OLD HISAT L	38		0.7	1044
	16				H- OLD NOSPITULE H- 2nd Flug Asign	39		0.7	1048
CK- 1206	17		0.5	0957	FC - 303	40		0.8	0941
M - 139	18		1.0	2930	FC - 420	41		0.8	0134
M-128	19		1.0	0940	FC-400	42	V	0.8	0126
CG - 1	20				HP - 236	43	1	0.6	1037
G - 650	. 21		0.3	1010	HP - 540 .	44	CLOSED		
TC - 832 2	22	1	04	1020	HP - 1300	45	4.	0.8	0907
тс- 830	23	d	0.4	1031	HP-1203	46	1	08	0715

REMARKS

16. J. Burns 7/13/83



DATE COLLECTED
19 July 83

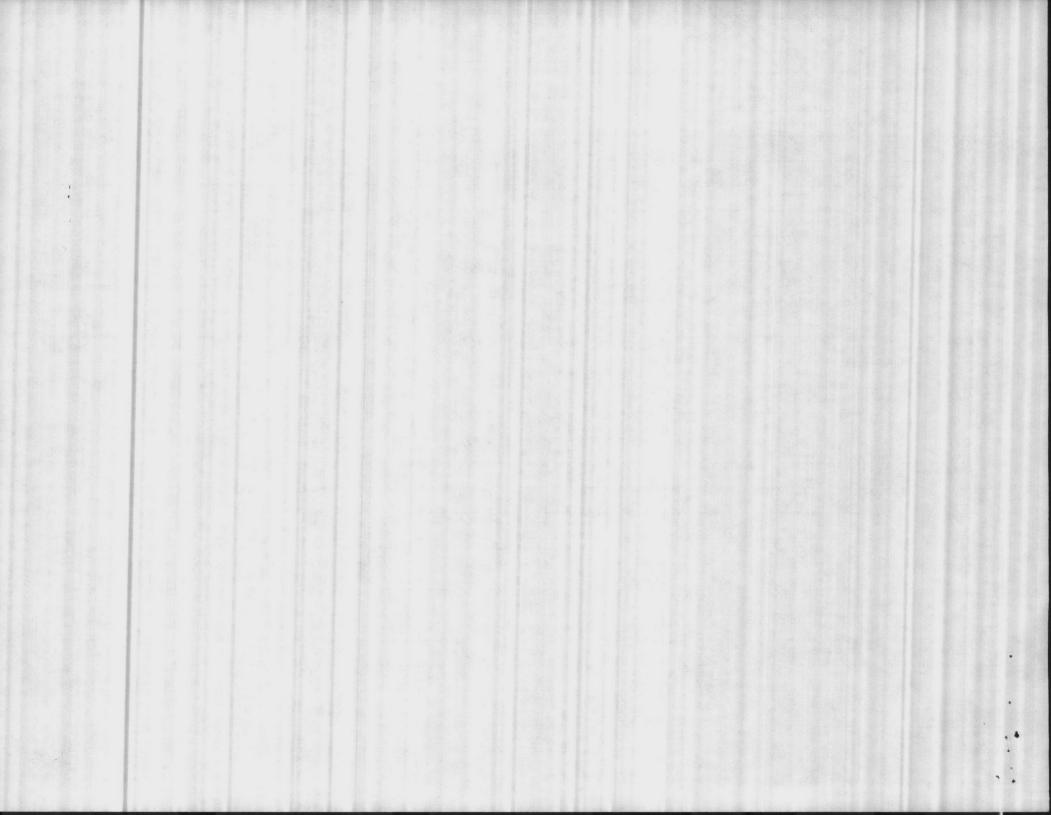
REPORTA	BIF	POINTS	FOR	SDWA

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	TIME
RR - 3	1	Ø	1.0	0925	MCAS - 3502	24	Ø	0,3	0942
RR - 15	2		1.0	0920	MCAS - 40124/57	' 25		0.7	0930
RR -/0	3		1.0	0935	MCAS - 2002	; 26		0.8	0955
	4				MCAS/4EQ 1284	27	L	0.9	1030
A-1	5	X	1.0	0840	MCAS -	28			
BB - 7	6		1.2	0825	MCAS -	29			
BB - 49	7		0.8	0840	New Hospital Food Services	30	Ø	0.7	1137
BB - 15	8	上	1.2	0830	PP - 2615	31		0.7	1045
	9				PP-2603	32		0.7	1052
BA - 103	. 10	Ø	0.8	1105	BM - 5400	1. 33		0.7 .	1100
BA-104	11	Ø	0.8	1115	вм-5333	34		0.7	1110
	12				LCH - 4022	, 35		0.6	1145
TT - 38	13	Ø	1.0	0845	LCH 4014A ,	36		0.6	1200
TT - 43	14		1.0	0900	2 Floor Head	37		0.7	1130
т-//27	15	上上	0.8	0915	H-12 72 Floor Head	38		0,6	1030
	16				H- 13 Floor Head H- 12 Floor Head H- 12 To Floor Head H- 12 Floor Head H- 13 Floor Head	39		0.6	1035
CK-1607	17	Ø	0.7	0345	FC - 303	40		0.6	0932
M - 139	18		1.0	1015	FC - 420	41		0.5	0925
M- 103	19		6.9	1000	FC Snack Bar	42		0,5	0916
CG - 1	20				HP - 236	43	4	0.8	1015
G - 650	21	Ø	0.8	0830	HP - 540	44			
TC -652830	22		0.7	0841	HP - 1300	45	18	0.7	0840
TC- 4040	23	I	0.3	1040	HP-1403	46	100	0.7	0900

REMARKS

SIGNATURE

Jainer Afineyett 205 uly 13

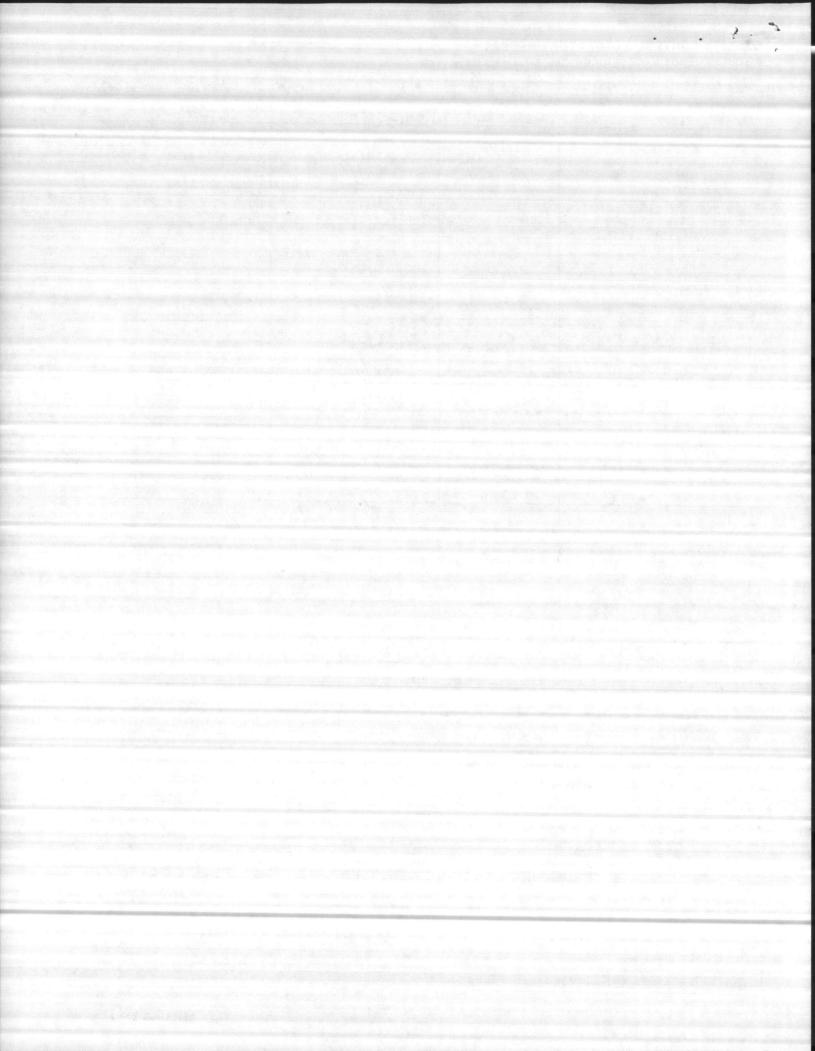


QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER conted Naval Hosp INFECTION SAMPLE COLLECTED BY Chael D. Buet BATE WATER TYPE 1 ce COLIFORM LOCATION MARKED 0856 ER out of order HA 0900 0903 3 W 0904 CCU 0906 0907 0908 20 0910 0912 Recd. LAB 1510 7/5/83 SAMPLES SET UP 1000 7/6/83 NOTE: R.R. 26 NON-COLI-FORT COLONIES SIGNATURE DATE 7 JULY 83 BASE PREVENTIVE MEDICINE NREAD

UTILITIES DIRECTOR

WATER TREATMENT PLANT (GENERAL FOREMAN)

MCAS PREVENTIVE MEDICINE

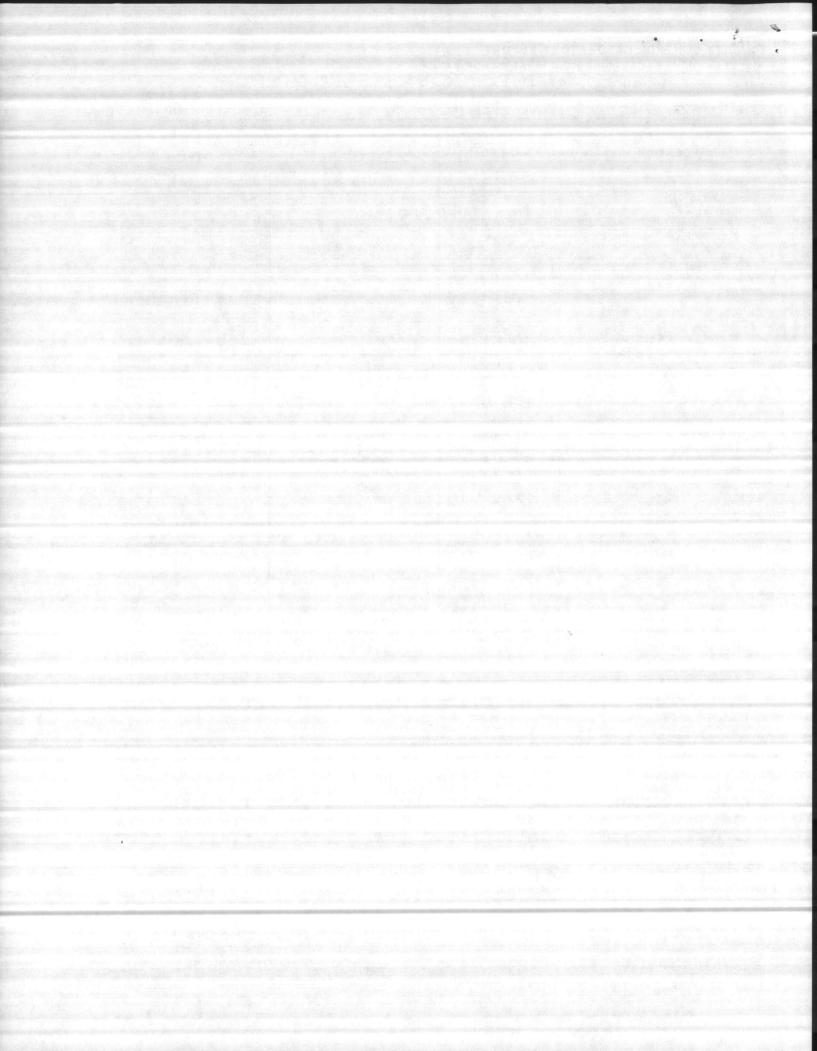


QUALITY CONTROL LABORATORY REPORT
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
MCBCL 11330/8 (REV. 4/78) Infection Control Naual Hosp.

NATER TYPE ICE	SAMPKE, COLLECTED B	DATE COLLECTED	
LOCATION	MARKED		COLIFORM
ER	0834	TOTAL	FECAL
4A	out of oron	Ē R	
400	0839	Ø	
300	0849	Ø	
3E	0853	Ø	
CCU	0855	Ø	
Icu	0856	Ø	
25	6967	Ø	
2w	0909	ø	
1:0	0914	Ø	
R:R	0917	Ø	

REMARKS

titles & Skines cutt of.	DATE 14 July 83
ч то	the territories and the second se
NREAD	BASE PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS-PREVENTIVE MEDICINE



## QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (REV. 4/78)

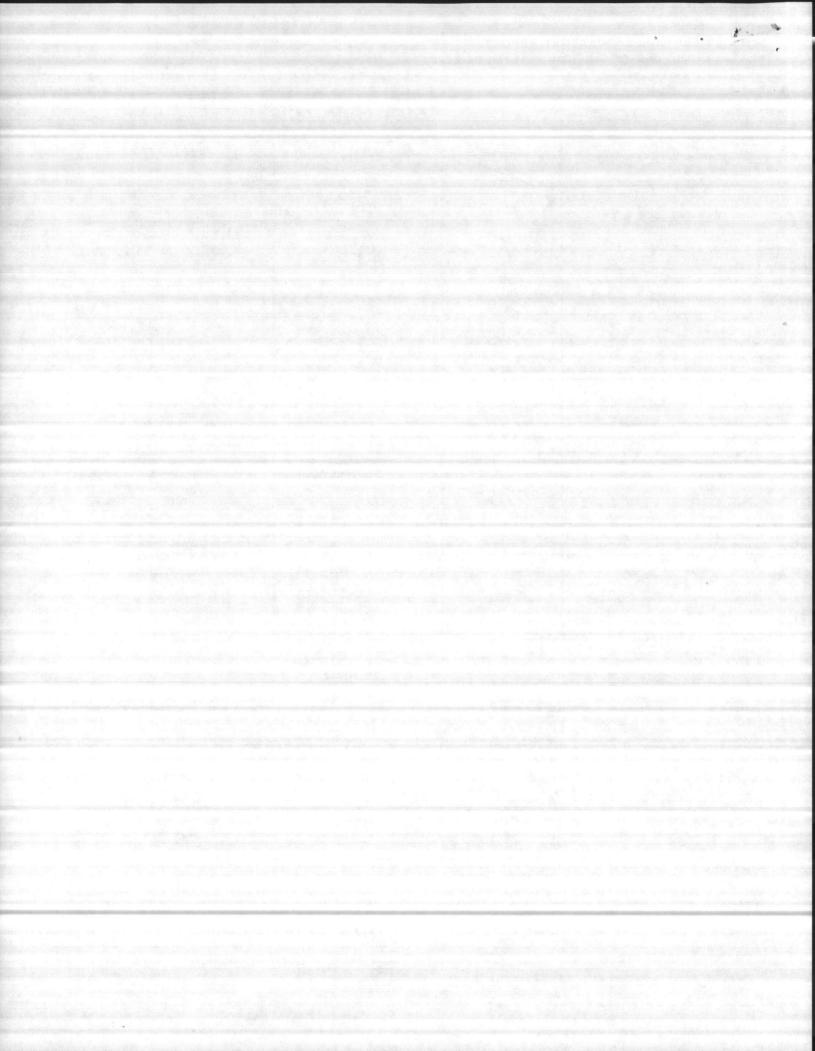
WATER TYPE  ICE JAMMES	SAMPLE COLLECTED B	G SNYDER LUNGOA	TE COLLECTED 26 July &
LOCATION	MARRED	COLIFOR	M
4 A N-P	10	TOTAL	FECAL
4W peus	1002	6	
3 W ORTHO	1003	ф	
3E MED	1006	\$	
3A COU	1008	6	
2A Icu	1011	$\delta$	
28 SUPE	10/3	D	
2W UB	1125	Ó	
1+0	1026	Ф	
RR	1032	Φ	
ER	0957	Ф	
· ·			
REMARKS			1.

REMARKS REC 1110 7-26-83 L

# NOTE

RECOVERY ROOM 12 NOW - CULIFORT

SIGNATURE	DATE 27 JULY 93
COPY TO	
NREAD	BASE PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE
WATER TREATMENT PLANT (GENERAL FOREMAN)	



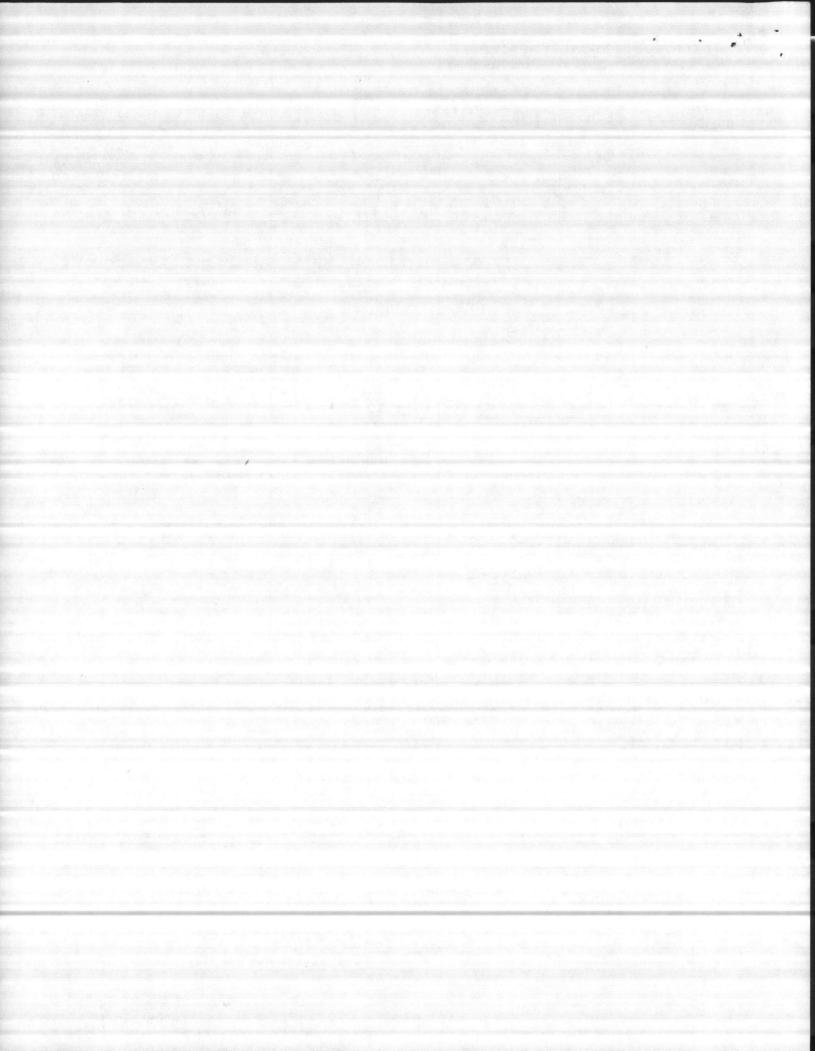
# QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

F.Ve

MATER TYPE SAMPLE COLLECTED BY RICKES TIS.JOL LOCATION MARKED TOTAL MEAS MARINA BEACH 40 40 1000 MCAS MARINA 2 1000 44 BRIACH 20 ONSLOW BEACH Suef 0900 ONSLOW BEACH SNCO-0900 ONSLOW BEACH OFFICERS 0400 ONSLOW BESCH ENLISTED 0900

SET UP 1400 7/7/83 SET UP 1400 7/7/83 SEMPL-S RIEND 1315 7/8/83

SIGNATURE	H.J. Burns	DATE 8 TULY 83		
COPY TO	U			
NREAD		BASE PREVENTIVE MEDICINE		
UTILITIES DIRECTOR		MCAS PREVENTIVE MEDICINE		
WATER TREATMENT PLANT (GENERAL FOREMAN)				

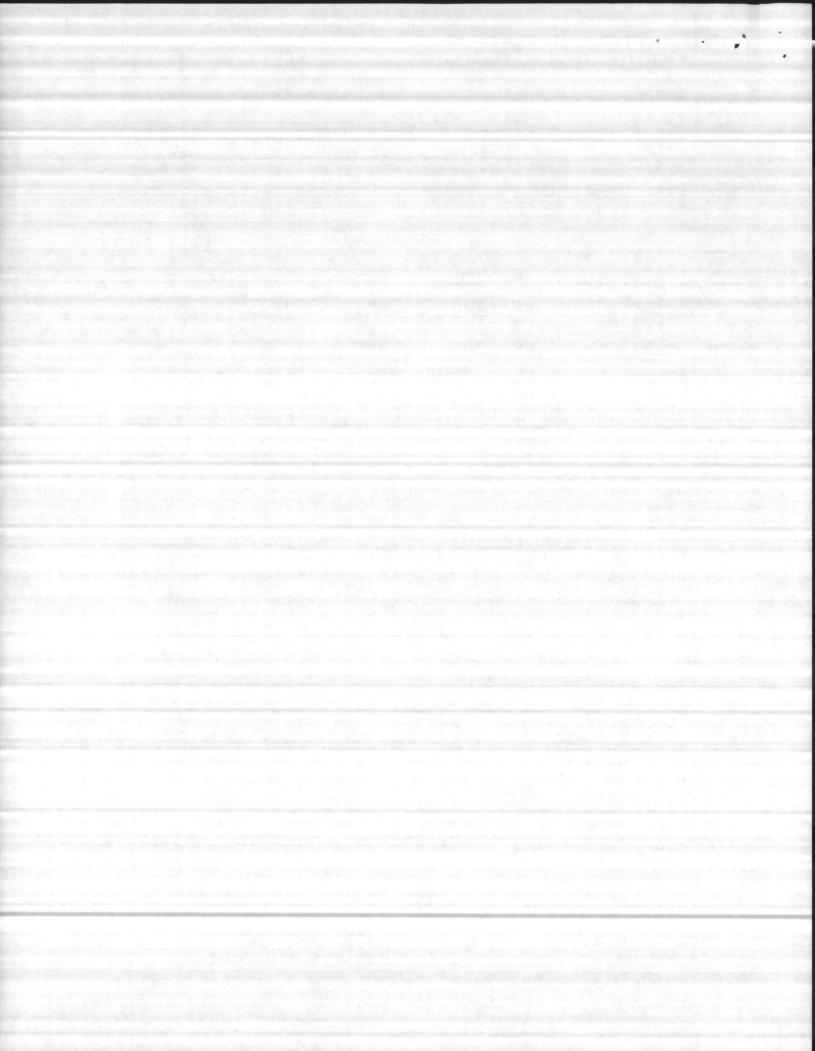


## QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11880/8 (REV. 4/78)

RECreation Waters	SAMPLE COLLECTED BY  WQ LAB		DATE COLLECTED // July 83		
LOCATION	MARKED		COLIFORM		
	MARKED	TOTAL	FECAL		
Wallace Creek	wc-1	30	30		
	we-2	40	10		
	wc-3	40	20		
	we-4	40	10		
	we-s-	280	110		
	wc-6	0	0		
A Commence of the Commence of					
		31			

SIGNATURE Hener aut	DATE 12 July 83	
Сору то		
NREAD	BASE PREVENTIVE MEDICINE	
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE	
WATER TREATMENT PLANT (GENERAL FOREMAN)	V File	



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### QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

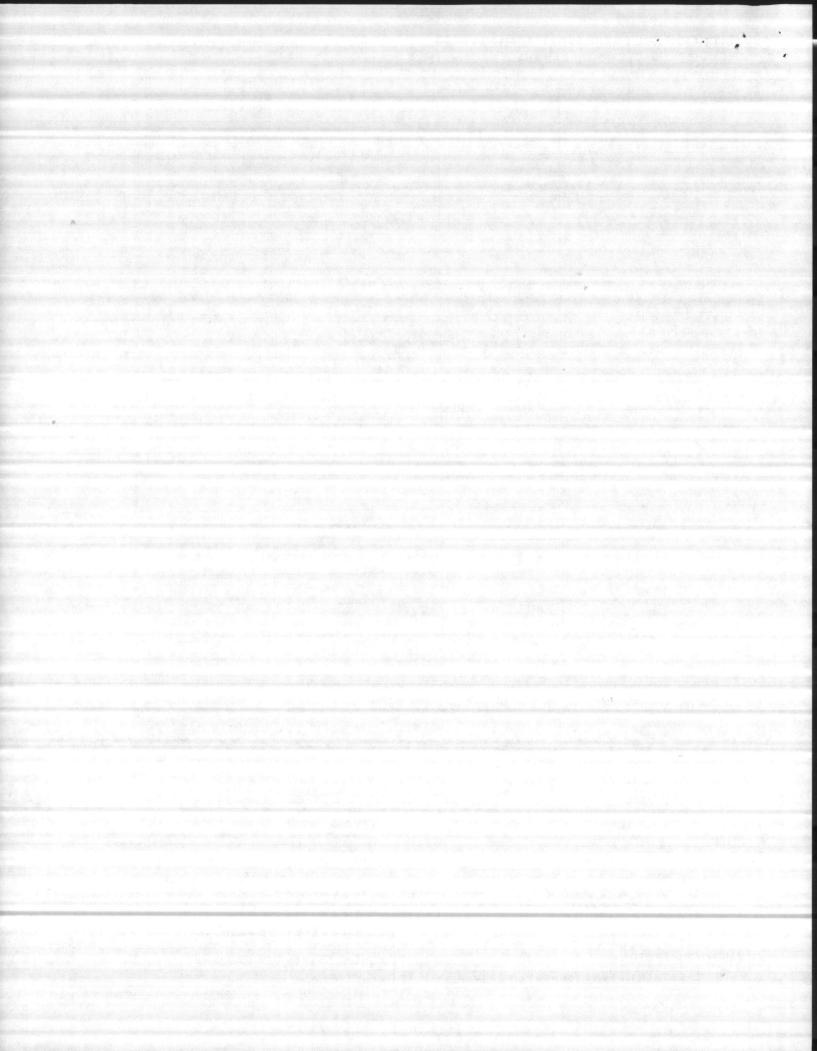
MCBCL 11830/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED		DATE COLLECTED
Recreation WATERS	11112 5	HAW	11500 /2 July 83
LOCATION	MARKED		OLIFORM .
		TOTAL	FECAL
ICAS Marina	1300	700	20
ACAS Marina	1300	700	20
UNISLOW BEACH	1.300	, , ,	20
Surfing Beach	0900	0 \$	16
Sulfing Beach	0,00	P	2
SINCO BEACH	100.	0 4	15
siveo iseach	0900	7	
oids Low Beach	00.	Ø #	
Entisted Beach	0900	- 4	10
ONSLOW Beach		X A	
Officer Beach.	0900 -	-9	10
			Commence of the Commence of th
			나는 남일이 보여 생활을 하는 것을 다.

Received 12 July 83 at 1500. Set up on 13 July 83 at 0930.

\* Numerous colonies of non- coliforn, multi tubes set up on 14 July 83.

IGNATURE	DATE	
Times O. Spinguell	14 54/4 83	
NREAD.	BASE PREVENTIVE MEDICINE	
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE	
WATER TREATMENT PLANT (GENERAL FOREMAN)	7 1	

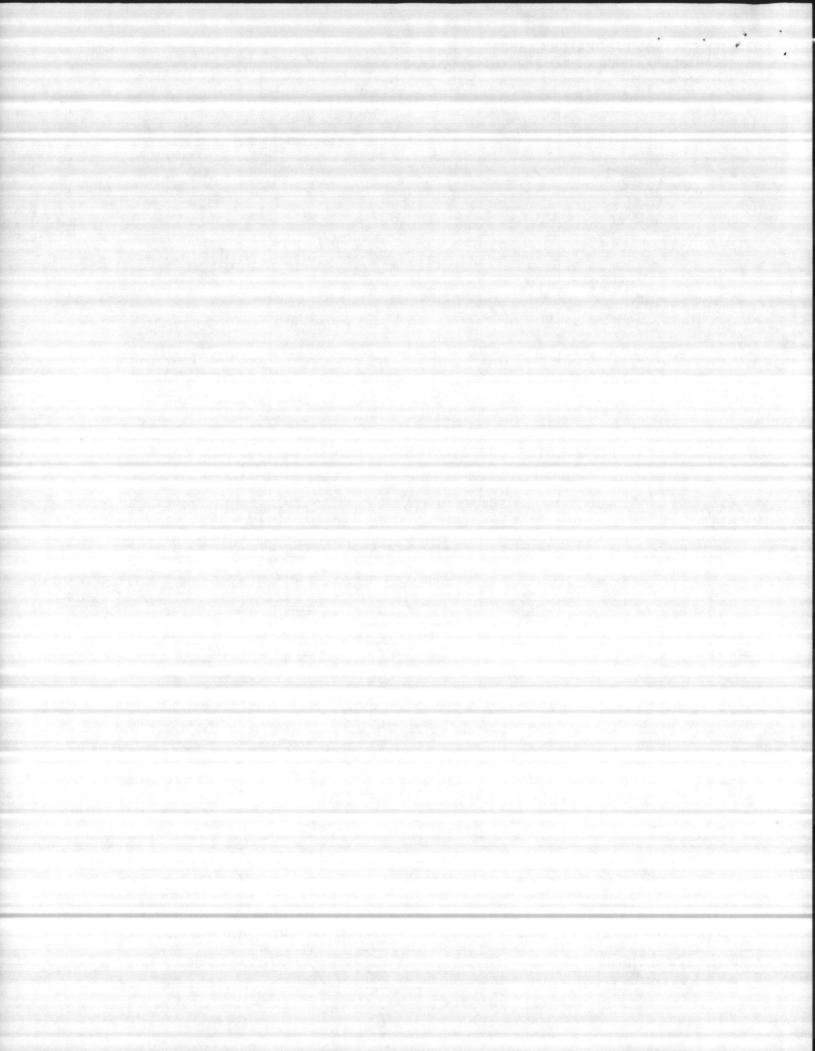


MCBCL 11839/8 (REV. 4/78)

rajer type Accreation		BY RMER	DATE COLLECTED 14 July 83
LOCATION	MARKED		COLIFORM
		TOTAL	FECAL
MCAS MARINA  Boat Dock  Bouy  Bouy  Bouy  A Last Bouy	1045	200	4
2 1st Bong	1045	30	4
3 Diving Platform	1045	50	Ø
#4 Last Bouy	1045	20	4
	+		+
			_
			and the second s

REMARKS
Received in LAB 1450 14 July 83
Set up at 1500 14 July 83

Deires B. Junezant	DATE /5 July 83
COPY TO	
NREAD	BASE PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE
WATER TREATMENT PLANT (GENERAL FOREMAN)	T tile



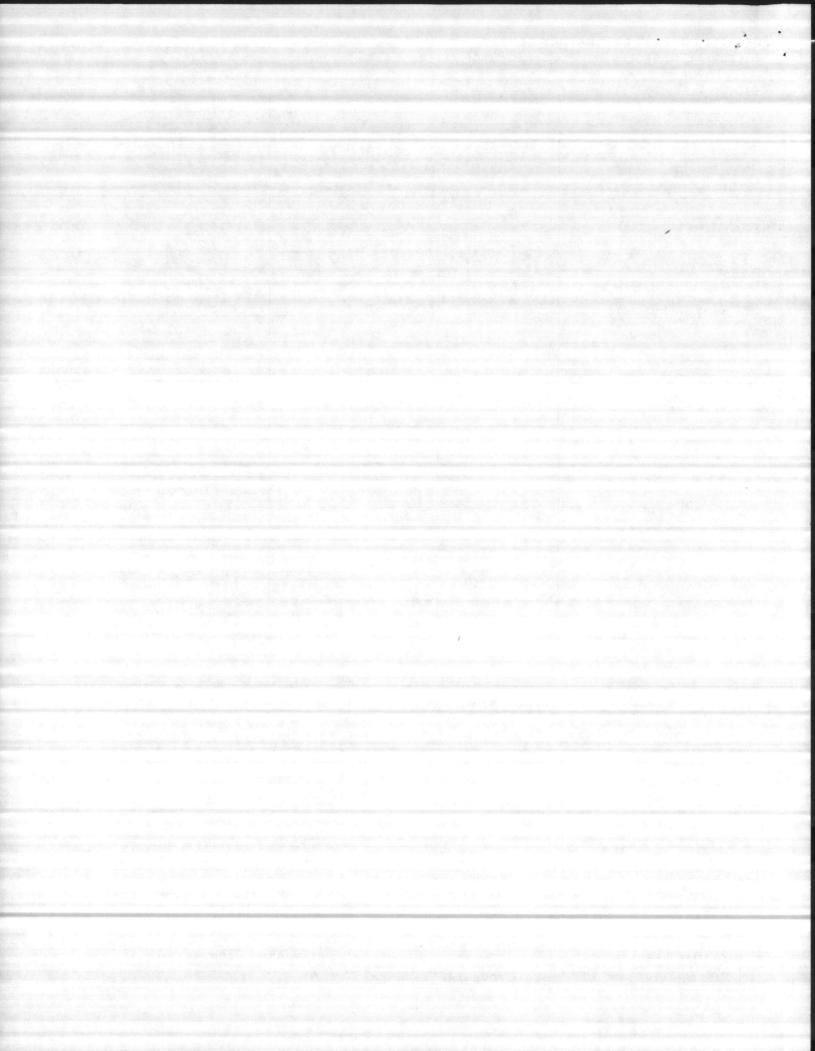
### QUALITY CONTROL LABORATORY REPORT ...

MCBCL 11830/8 (REV. 4/78)

VATER TYPE	SAMPLE COLLECTE	DBY	DATE COLLECTED	
Recreation	HM2 5/1		1971 83	
			COLIFORM 19 July 83	
LOCATION	MARKED	TOTAL	FECAL	
Inslow Beach				
O Beach	0900	Ø	Ø	
E- Beach	0900	Ø	Ø	
Surf- Beach	0900	ø	Ø	
SNCO- Beach	0900	Ø	Ø	

Samples received 1430 19 July 83
" Set up 1500 19 July 83

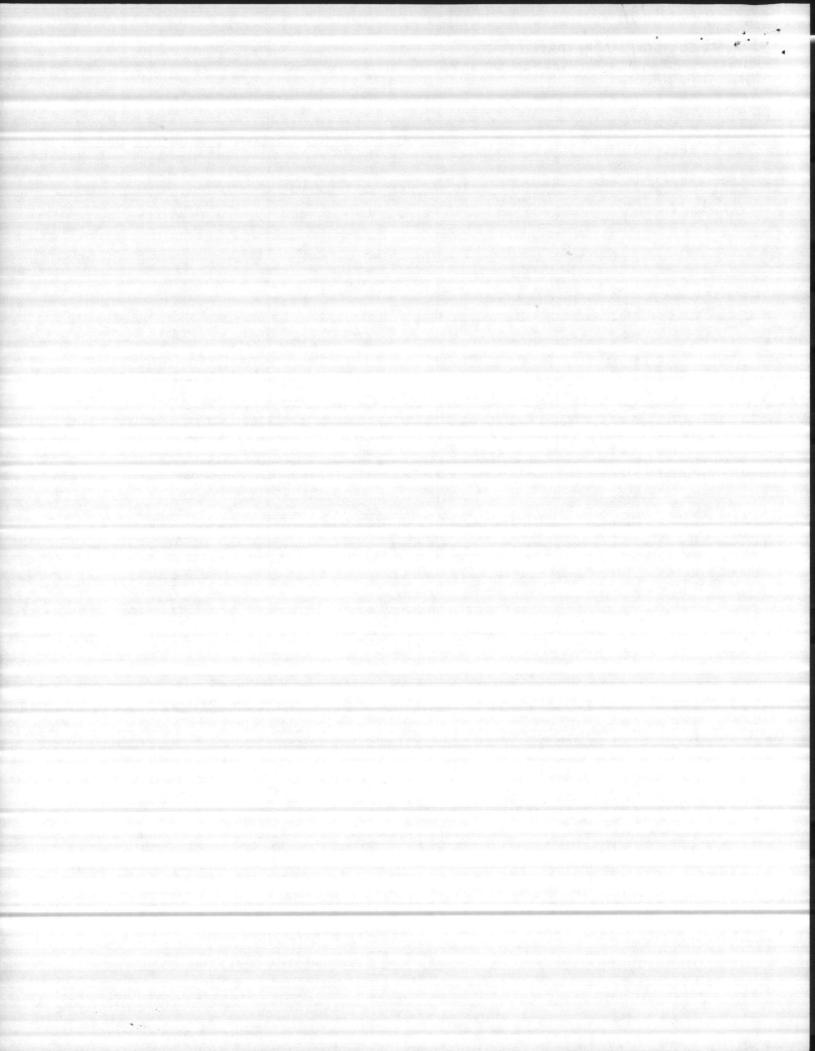
SIGNATURE	DATE 20 7 / 52	
XPY TO	20 3419 05	
NREAD	BASE PREVENTIVE MEDICINE	
UTILITIES DIRECTOR WATER TREATMENT PLANT (GENERAL FOREMAN)	mcas preventive medicine	



MCBCL 11830/8 (REV. 4/78)

RECRIATIONAL	SAMPLE COLLECTED B	Υ .	DATE SOLLECTED 3	
LOCATION	I MARKER I		COLIFORM	
ONSLOW BEACH	MARKED	TOTAL	FECAL	
OFFiceor	0900	d	φ	
ONSLOW BEACH				
SNCO	0900	$\phi$	Φ	
ONSLOW BRACK				
Suei=	0900	$\phi$	Ф	
ONSLOW BIZOCH				
ENLISTED	0400	φ	Ф	
MCBS Swin Biacy	1300	100	4	
HCAS MARINA	1300	100	4	

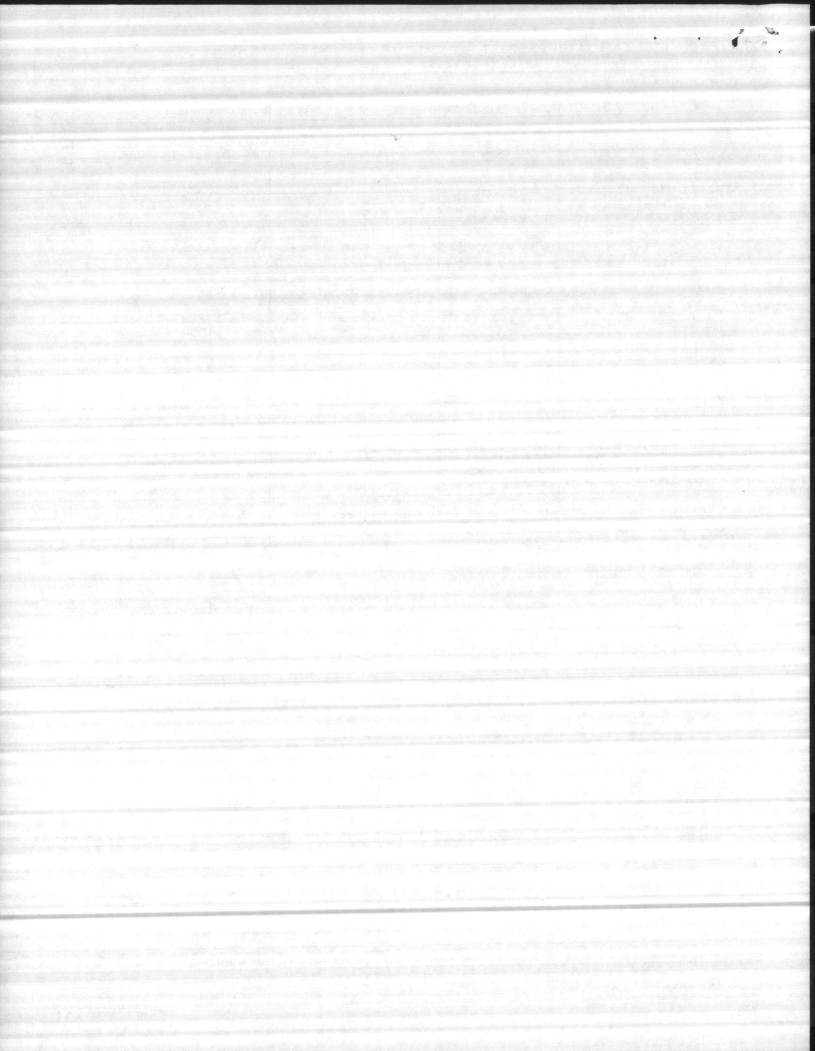
SIGNATURE	16.2. Burns	DATE 7/27/83
СОРУ ТО		
		BASE PREVENTIVE MEDICINE
LINREAD		TRASE PREAEMLIAE WEDICINE
UTILITIES DIRE	CTOR	MCAS PREVENTIVE MEDICINE



# QUALITY CONTROL LABORATORY REPORT MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER MCBCL 11880/8 (REV. 4/78)

NATER TYPE 10 TAGLE	SAMPLE COLLECTED B	Y HM, Toomiy	DATE COLLECTED  20 July 83 0900  LIFORM
LOCATION	Meren	TOTAL	LIFORM
CAMP JOHNSON			
BL06 104	0900	6	
BL06 202	0915	<b>D</b>	E8.
	-03 1215 5 Set UP	21 July 83	7.3

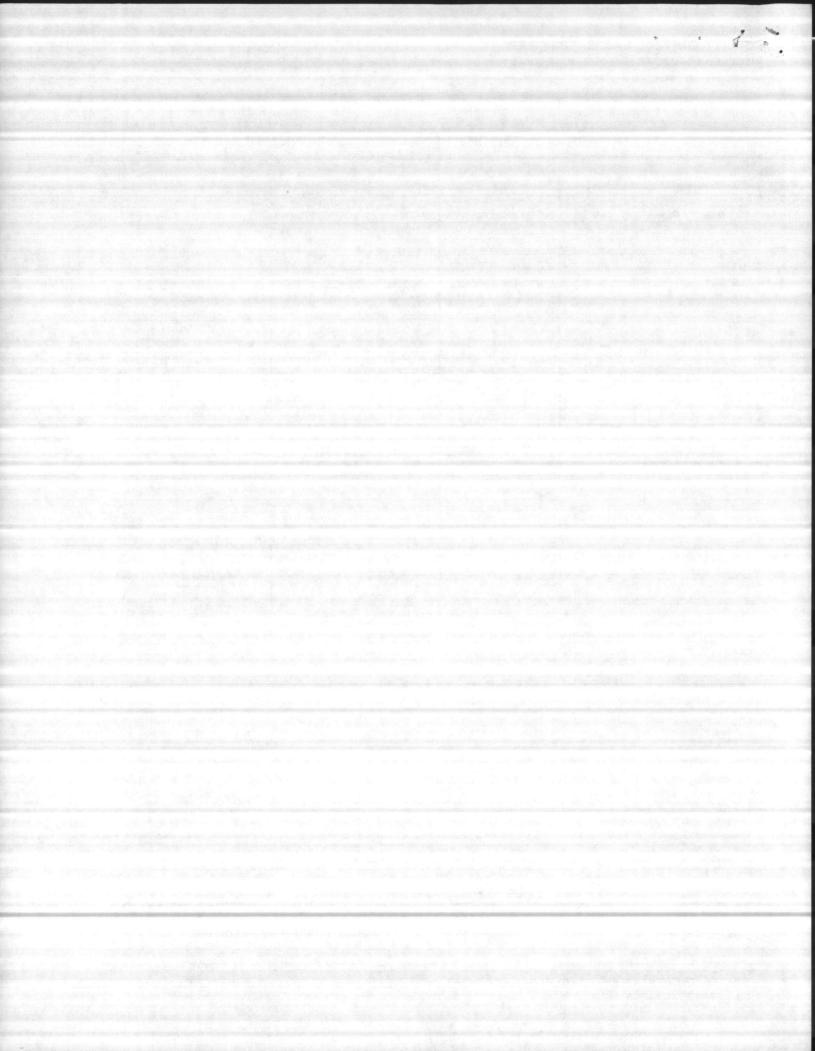
SIGNATURE	16 A Buns	DATE 22 JULY 83
COPY TO	V	
NREAD	BASE I	PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS	PREVENTIVE MEDICINE
OTTETTTES DIRECTOR		



MCBCL	11339/8	IREV.	4/78)

	O			
POTOBLE	SAMPLE COLLECTED BY		DATE COLLECTED	
	MARKED TOTAL		COLIFORM	
LOCATION	MARKED.	TOTAL	FECAL	
COURTHOUSE BRY				
BLOG. A-1 (COOLER)	1/35	6		
		P		
	1			
REMARKS Reco	L:03 1215	21 2024 8	3	

SIGNATURE H. A. A.	DATE				
сору то	22 JULY 83				
NREAD	BASE PREVENTIVE MEDICINE				
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE				
WATER TREATMENT PLANT (GENERAL FOREMAN)					



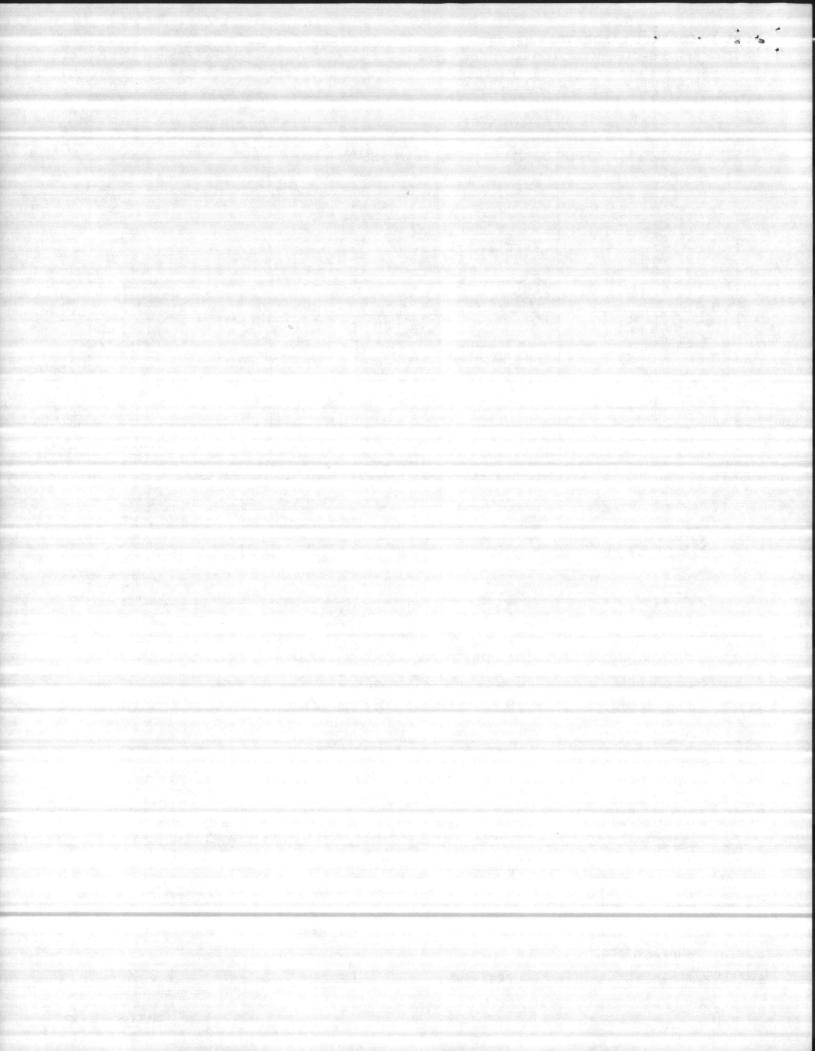
MCBCL 11330/8 (REV. 4/78)

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FILE

WATER TYPE	SAMPLE COLLECTED BY		DATE COLLECTED			
WATER BULL'S	Has ELOYIS		7/12/43			
LOCATION	MARKED	C	COLIFORM 3			
EGGATION	MARKED	TOTAL	FECAL			
TLZ ROBIN	1 (1-	Φ.				
376723	1.0	Φ				
373250	2 1.5	Φ				
367330	3 1.5	<i></i>				
367318	4 15	ø				
367257	5 2.0	b				
		Kacal Indigensia in the probability				
	RECN. LO3 11 ROD 1200					
	READ 1235					

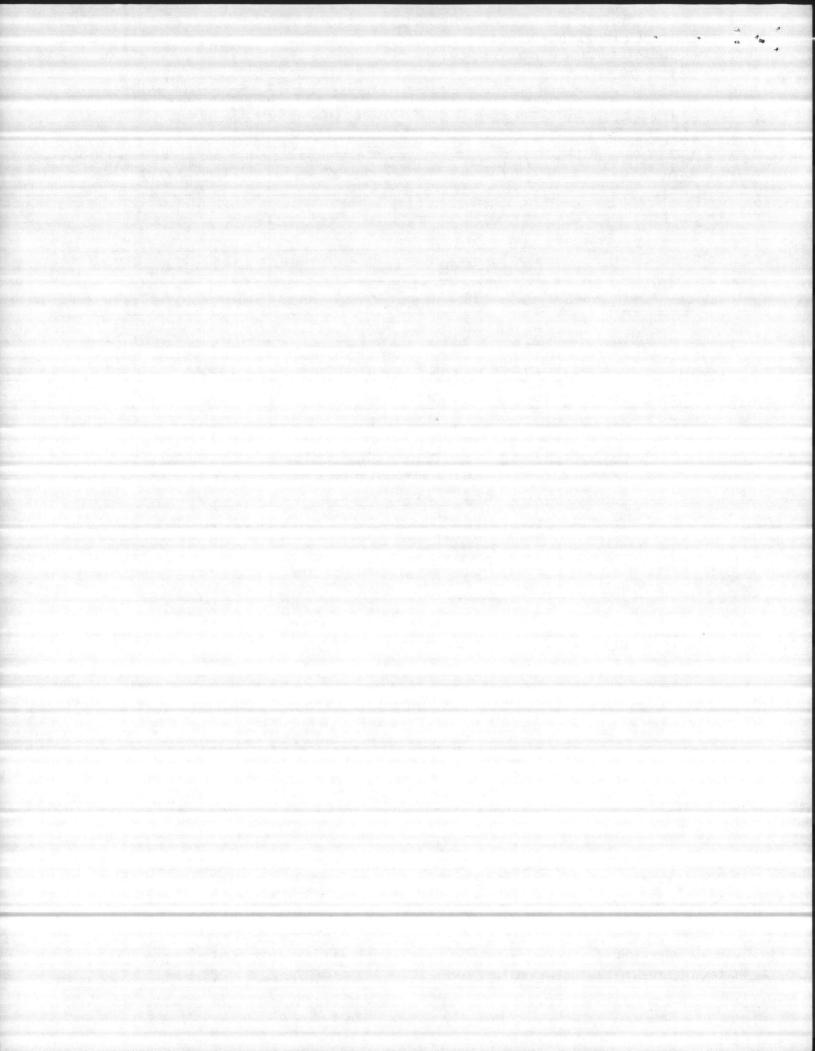
SIGNATURE H. 1841	DATE 7/13/+3
COPY TO	1//3/8 >
NREAD	BASE PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE
WATER TREATMENT PLANT (GENERAL FOREMAN)	V FIVE



MCBCL 11330/8 (REV. 4/78)

WATER TYPE  HF DC:14	SAMPLE COLLECTED B	12 CONPANT	DATE COLLECTED 83
LOCATION	MARKED	TOTAL	FECAL FECAL
HF PREA	1315	30,000+	10,200 +
REMARKS SAMPLE RE	ceived 1520	7/15/83	

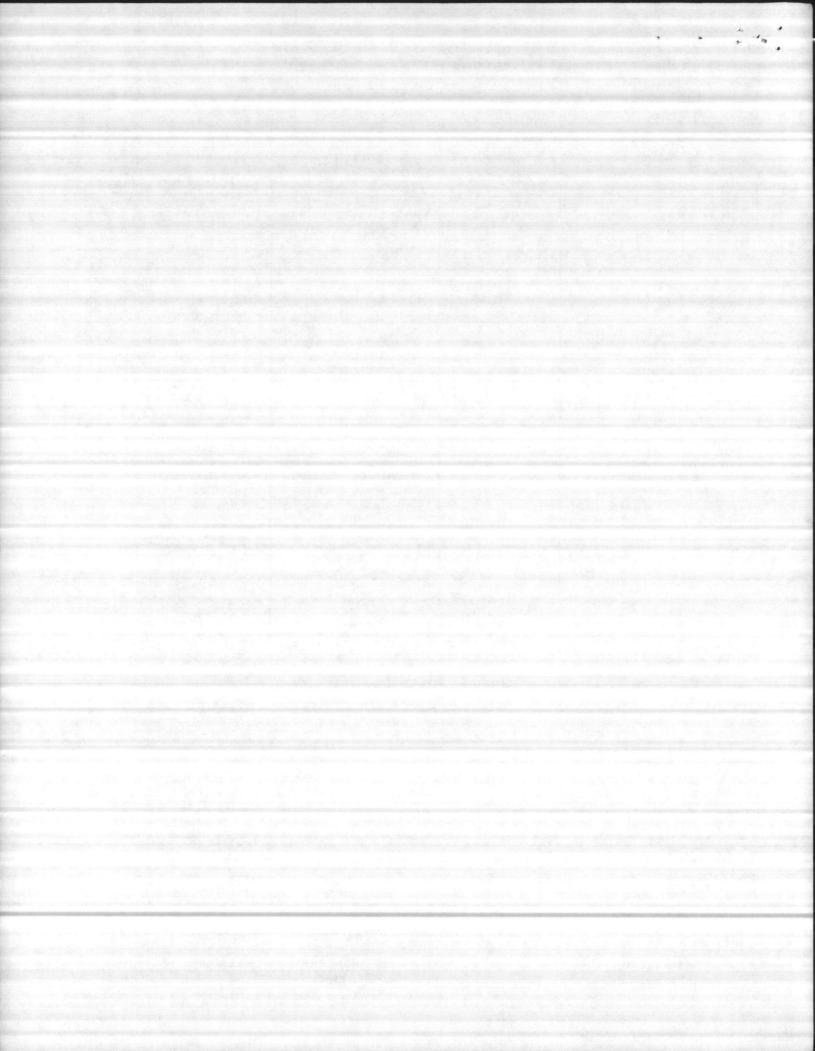
Elizabeth a Bet	DATE 18 JULY 1983		
COPY TO			
NREAD	BASE PREVENTIVE MEDICINE		
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE		
WATER TREATMENT PLANT (GENERAL FOREMAN)	X FILE		



MCB	C1	111	990/8	IDEV	4/781

Potable	SAMPLE COLLECTED BY		DATE COLLECTED 3			
	MARKED	COLIFORM				
LOCATION	MARKED	TOTAL	FECAL			
5-4 Range	1245	Ø				
			and the state of t			
o en signa en en el estado en estado e		material and some				
			<u> </u>			

Laner B. Generalt	DATEZO July 83
ору то	
NREAD	BASE PREVENTIVE MEDICINE
UTILITIES DIRECTOR	MCAS PREVENTIVE MEDICINE
WATER TREATMENT PLANT (GENERAL FOREMAN)	1 HR



MCBCL 11330/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED		DATE COLLECTED
HF AREA	SGT BAU	MAN Shing.	20 JULY 1983
LOCATION	MAKED		FORM
	8	TOTAL	FECAL
RAWWATER	1620	500	100
PLRIFIED WATER	1900	CONFLUENT GROW	THE S
	SUGGEST	RISAMPLIE DU	e To Lowe
	Tenna -	100	
		\$ 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	
-			
REMARKS Recd. L	n3 1510	22 JUNY 19	83
SeT (	P 1520	22 704/198	33

# NOTE .	SAMPLES	EXC	EED	30 N	fores	12 -	TRANS	;7,	
	RESURTS	MAY	08	407	NOT	BE	VAL	10.	
SIGNATURE		14.1	Bu	40~1		DA	TE 23	JULY	1982
COPY TO		100	-300						
NREAD					BASE PRE	VENTIVE	MEDICINE		
UTILITIES DIRECTOR		MCAS PREVENTIVE MEDICINE							
WATER TREATMEN	T PLANT (GENER	AL FOREM	(AN)						

