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 AUTH. NAME AUTHUR AFFILIATION  
 SHALLER, D.V. Indiana & Michigan Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Office of Nuclear Reactor Regulation

SUBJECT: Forwards monthly fish impingement repts for Jan, Feb & Mar 1979.

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JUN 13 1979

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**INDIANA & MICHIGAN POWER COMPANY**

DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106

June 5, 1979

Directorate of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20545

Docket No. 50-315  
50-316

Gentlemen:

Pursuant to the requirements of Section 4.1.2.1.2 of the Appendix B Environmental Technical Specifications for the Donald C. Cook Nuclear Plant, the attached monthly reports on impingement of fish are submitted.

These reports cover the months of January, February and March 1979.

Sincerely,

D. V. Shaller  
Plant Manager

DVS:ab

cc: R. W. Jurgensen  
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Richard Walsh, Esq.  
Peter Steketee, Esq.  
NRC RO: III  
PNSRC File

Attachment

AC007  
5 1/1  
7906120219

R

MONTH: JANUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	1		2		3		4		5		6		7		8	
TEMP C	NO SAMPLING		2.1		NO SAMPLING		NO SAMPLING		NO SAMPLING		6.5		NO SAMPLING		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	275	2.65	0	0.0	0	0.0
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16	0.27	0	0.0	0	0.0
YP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	49	2.47	0	0.0	0	0.0
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	21	0.25	0	0.0	0	0.0
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
IS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.10	0	0.0	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.78	0	0.0	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	0	0.0	0	0.0
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
YC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	2.92	0	0.0	0	0.0
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.01	0	0.0	0	0.0
BC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.05	0	0.0	0	0.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.96	0	0.0	0	0.0
	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	387	10.46	0	0.0	0	0.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.11	11.46	0.0	0.0	0.0	0.0

MONTH: JANUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	9		10		11		12		13		14		15		16	
TEMP C	NO SAMPLING		3.8		NO SAMPLING		NO SAMPLING		NO SAMPLING		NO SAMPLING		6.4		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	174	1.79	0	0.0
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	27	0.22	0	0.0
YP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	88	2.06	0	0.0
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.15	0	0.0
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.41	0	0.0
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LT	0	0.0	1	2.57	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.18	0	0.0
MS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	20	0.20	0	0.0
CM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	15	0.15	0	0.0
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.53	0	0.0
XC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	0	0.0
IW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	2.29	0	0.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.62	0	0.0
TOTALS	0	0.0	1	2.57	0	0.0	0	0.0	0	0.0	0	0.0	348	11.61	0	0.0
PERCENT	0.0	0.0	0.06	2.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.58	12.72	0.0	0.0

MONTH: JANUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	17		18		19		20		21		22		23		24	
TEMP C	NO SAMPLING		4.3		NO SAMPLING		NO SAMPLING		NO SAMPLING		4.3		NO SAMPLING		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	105	1.09	0	0.0	0	0.0	0	0.0	431	5.63	0	0.0	0	0.0
AL	0	0.0	1	0.01	0	0.0	0	0.0	0	0.0	1	0.00	0	0.0	0	0.0
SH	0	0.0	16	0.24	0	0.0	0	0.0	0	0.0	14	0.04	0	0.0	0	0.0
YP	0	0.0	97	2.59	0	0.0	0	0.0	0	0.0	16	1.14	0	0.0	0	0.0
TP	0	0.0	16	0.22	0	0.0	0	0.0	0	0.0	12	0.16	0	0.0	0	0.0
WS	0	0.0	3	5.27	0	0.0	0	0.0	0	0.0	2	3.16	0	0.0	0	0.0
LS	0	0.0	2	3.30	0	0.0	0	0.0	0	0.0	1	5.05	0	0.0	0	0.0
LT	0	0.0	3	6.37	0	0.0	0	0.0	0	0.0	1	3.35	0	0.0	0	0.0
CH	0	0.0	1	0.13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MS	0	0.0	2	0.03	0	0.0	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0
CM	0	0.0	2	1.06	0	0.0	0	0.0	0	0.0	1	0.02	0	0.0	0	0.0
BT	0	0.0	2	0.16	0	0.0	0	0.0	0	0.0	2	0.16	0	0.0	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	0	0.0	0	0.0
SS	0	0.0	12	0.13	0	0.0	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0
CC	0	0.0	3	1.16	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	2	0.35	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
XC	0	0.0	3	0.02	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LW	0	0.0	1	0.46	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BB	0	0.0	12	4.40	0	0.0	0	0.0	0	0.0	24	11.35	0	0.0	0	0.0
SR	0	0.0	1	0.19	0	0.0	0	0.0	0	0.0	3	0.75	0	0.0	0	0.0
TOTALS	0	0.0	284	27.16	0	0.0	0	0.0	0	0.0	511	30.84	0	0.0	0	0.0
PERCENT	0.0	0.0	18.43	29.76	0.0	0.0	0.0	0.0	0.0	0.0	33.16	33.79	0.0	0.0	0.0	0.0

MONTH: JANUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE CP TOTAL SAMPLED THIS MONTH

	25		26		27		28		29		30		31		TOT. NO.	TOT. WT.
TEMP C	NO SAMPLING		NO SAMPLING		NO SAMPLING		NO SAMPLING		NO SAMPLING		5.9		NO SAMPLING			
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT		
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.02	0	0.0	988	11.18
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.01
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	73	0.77
YP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	250	8.27
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	60	0.76
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	3.70	0	0.0	10	15.55
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	8.35
LT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	4.65	0	0.0	7	16.94
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.3
HS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	35	0.35
CM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.09
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	5	1.10
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.00
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	29	0.29
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.01	0	0.0	4	1.17
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	9	3.79
XC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	6	0.03
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.46
BC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.05
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	44	18.99
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.23	0	0.0	7	1.79
TOTALS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	8.61	0	0.0	1541	91.26
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.65	9.44	0.0	0.0	100.00	100.00

MONTH: JANUARY, 1979

WEIGHT IN KILOGRAMS

TEMPERATURE IN DEGREES CENTIGRADE

PERCENTAGES ARE CP, TOTAL SAMPLED THIS MONTH

SPECIES	DAILY AVG NUMBER	STD DEV NUMBER	DAILY AVG WEIGHT	STD DEV WEIGHT	PERCENT NUMBER	TOTAL NUMBER	PERCENT WEIGHT	TOTAL WEIGHT	ESTIMATED TOTALS FOR MONTH NUMBER	ESTIMATED TOTALS FOR MONTH WEIGHT
SP	141.14	164.95	1.60	2.05	64.11	988	12.25	11.18	4375	49.51
AL	0.29	0.49	0.00	0.00	0.13	2	0.02	0.01	8	0.06
SH	10.43	10.61	0.11	0.13	4.74	73	0.84	0.77	323	3.40
YP	35.71	42.59	1.18	1.20	16.22	250	9.06	8.27	1107	36.61
TP	8.57	8.64	0.11	0.11	3.89	60	0.84	0.76	265	3.30
WS	1.43	1.40	2.22	2.18	0.65	10	17.04	15.55	44	60.86
LS	0.43	0.79	1.19	2.10	0.19	3	9.15	8.35	13	36.98
LT	1.00	1.15	2.42	2.55	0.45	7	18.56	16.94	31	75.02
CH	0.29	0.49	0.04	0.08	0.13	2	0.34	0.31	8	1.38
MS	5.00	7.90	0.05	0.08	2.27	35	0.38	0.35	155	1.54
CM	0.43	0.79	0.16	0.40	0.19	3	1.19	1.09	13	4.01
ET	0.71	0.95	0.16	0.29	0.32	5	1.21	1.10	22	4.80
NS	0.29	0.49	0.00	0.00	0.13	2	0.01	0.00	8	0.02
SS	4.14	6.47	0.04	0.07	1.88	29	0.32	0.29	128	1.30
CC	0.57	1.13	0.17	0.44	0.26	4	1.29	1.17	17	5.20
GS	1.29	1.89	0.54	1.07	0.58	9	4.15	3.79	39	16.79
XC	0.86	1.21	0.00	0.01	0.39	6	0.03	0.03	26	0.14
LW	0.14	0.38	0.07	0.17	0.06	1	0.50	0.46	4	2.03
DC	0.14	0.38	0.01	0.02	0.06	1	0.05	0.05	4	0.21
BR	6.29	8.92	2.71	4.14	2.86	44	20.81	18.99	194	84.11
SR	1.00	1.15	0.26	0.31	0.45	7	1.96	1.79	31	7.94
TOTAL	220.14	213.51	13.04	11.72	100.00	1541	100.00	91.26	6824	404.16

THERE WERE 7 DAYS ON WHICH SAMPLES WERE TAKEN.

ESTIMATED TOTALS FOR THIS MONTH ARE BASED ON 31 DAYS OF IMPINGEMENT.

EXECUTION TERMINATED 16:03:52 T=.649 RC=0 \$.54





MONTH: FEBRUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	1		2		3		4		5		6		7		8	
TEMP C	NO SAMPLING		NO SAMPLING		3.9		NO SAMPLING		NO SAMPLING		NO SAMPLING		5.7		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	12	0.13	0	0.0
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.05	0	0.0
YP	0	0.0	0	0.0	3	0.24	0	0.0	0	0.0	0	0.0	6	0.70	0	0.0
TP	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0	0	0.0	3	0.05	0	0.0
WS	0	0.0	0	0.0	1	1.15	0	0.0	0	0.0	0	0.0	2	3.45	0	0.0
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	8.49	0	0.0
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.45	0	0.0
MS	0	0.0	0	0.0	3	0.02	0	0.0	0	0.0	0	0.0	1	0.02	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.14	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	8	0.07	0	0.0
CC	0	0.0	0	0.0	1	1.30	0	0.0	0	0.0	0	0.0	1	0.06	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	1	0.03	0	0.0	0	0.0	0	0.0	7	4.53	0	0.0
SB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.52	0	0.0
GP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.17	0	0.0
TOTALS	0	0.0	0	0.0	10	2.76	0	0.0	0	0.0	0	0.0	51	18.82	0	0.0
PERCENT	0.0	0.0	0.0	0.0	6.17	6.67	0.0	0.0	0.0	0.0	0.0	0.0	31.48	45.46	0.0	0.0

MONTH: FEBRUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	9		10		11		12		13		14		15		16	
TEMP C	NO SAMPLING		NO SAMPLING		NO SAMPLING		5.4		NO SAMPLING		NO SAMPLING		4.0		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
YP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.11	0	0.0
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.42	0	0.0
LT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.05	0	0.0
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.95	0	0.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GF	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	11.53	0	0.0
PERCENT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.32	27.85	0.0	0.0

MONTH: FEBRUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

[illegible]

MONTH: FEBRUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

TEMP C	25		26		27		28		29		30		31		TOT. NO.	TOT. WT.
	NO SAMPLING NUMBER	WEIGHT	NO SAMPLING NUMBER	WEIGHT	6.2 NUMBER	WEIGHT	NO SAMPLING NUMBER	WEIGHT	NO SAMPLING NUMBER	WEIGHT	NO SAMPLING NUMBER	WEIGHT	NO SAMPLING NUMBER	WEIGHT		
SPECIES																
SP	0	0.0	0	0.0	53	0.67	0	0.0	0	0.0	0	0.0	0	0.0	65	0.80
SH	0	0.0	0	0.0	3	0.06	0	0.0	0	0.0	0	0.0	0	0.0	6	0.11
YP	0	0.0	0	0.0	25	1.89	0	0.0	0	0.0	0	0.0	0	0.0	34	2.83
TP	0	0.0	0	0.0	4	0.07	0	0.0	0	0.0	0	0.0	0	0.0	8	0.12
WS	0	0.0	0	0.0	1	1.70	0	0.0	0	0.0	0	0.0	0	0.0	7	11.71
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.42
LT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	12.54
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.44
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.00
BT	0	0.0	0	0.0	2	0.21	0	0.0	0	0.0	0	0.0	0	0.0	3	0.35
SS	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0	0	0.0	0	0.0	9	0.08
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	1.36
GS	0	0.0	0	0.0	1	0.46	0	0.0	0	0.0	0	0.0	0	0.0	1	0.46
BB	0	0.0	0	0.0	1	0.63	0	0.0	0	0.0	0	0.0	0	0.0	12	6.18
SR	0	0.0	0	0.0	1	0.26	0	0.0	0	0.0	0	0.0	0	0.0	3	0.77
GP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.17
TOTALS	0	0.0	0	0.0	92	5.96	0	0.0	0	0.0	0	0.0	0	0.0	162	41.41
PERCENT	0.0	0.0	0.0	0.0	56.79	14.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00	100.00

MONTH: FEBRUARY, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

SPECIES	DAILY AVG NUMBER	STD DEV NUMBER	DAILY AVG WEIGHT	STD DEV WEIGHT	PERCENT NUMBER	TOTAL NUMBER	PERCENT WEIGHT	TOTAL WEIGHT	ESTIMATED TOTALS FOR MONTH NUMBER	WEIGHT
SP	10.83	21.21	0.13	0.27	40.12	65	1.94	0.80	303	3.76
SM	1.00	1.55	0.02	0.03	3.70	6	0.27	0.11	28	0.52
YP	5.67	9.77	0.47	0.75	20.99	34	6.84	2.83	158	13.22
TP	1.33	1.75	0.02	0.03	4.94	8	0.30	0.12	37	0.58
WS	1.17	0.75	1.95	1.28	4.32	7	28.27	11.71	32	54.63
LS	0.33	0.82	0.57	1.40	1.23	2	0.27	3.42	9	15.98
LT	0.50	0.84	2.09	3.53	1.85	3	30.29	12.54	14	50.52
CH	0.33	0.82	0.08	0.18	1.23	2	1.09	0.45	9	2.10
MS	0.67	1.21	0.01	0.01	2.47	4	0.11	0.05	18	0.21
BT	0.50	0.84	0.06	0.09	1.85	3	0.85	0.35	14	1.64
SS	1.50	3.21	0.01	0.03	5.56	9	0.20	0.08	42	0.38
CC	0.33	0.52	0.23	0.53	1.23	2	3.28	1.36	9	6.33
GS	0.17	0.41	0.08	0.19	0.62	1	1.10	0.46	4	2.13
BR	2.00	2.53	1.03	1.76	7.41	12	14.92	6.18	56	28.84
SR	0.50	0.84	0.13	0.22	1.85	3	1.86	0.77	14	3.60
GP	0.17	0.41	0.03	0.07	0.62	1	0.40	0.17	4	0.78
TOTAL	27.00	37.00	6.90	7.07	100.00	162	100.00	41.41	756	193.22

THERE WERE 6 DAYS ON WHICH SAMPLES WERE TAKEN.  
ESTIMATED TOTALS FOR THIS MONTH ARE BASED ON 28 DAYS OF IMPINGEMENT.

EXECUTION TERMINATED 10:37:25 T=.219 RC=0 \$.19

MONTH: MARCH, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	1		2		3		4		5		6		7		8	
TEMP C	NO SAMPLING		NO SAMPLING		4.2		NO SAMPLING		NO SAMPLING		NO SAMPLING		6.9		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.01	0	0.0
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.06	0	0.0
YP	0	0.0	0	0.0	3	0.65	0	0.0	0	0.0	0	0.0	5	1.12	0	0.0
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
HS	0	0.0	0	0.0	1	0.42	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CH	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.17	0	0.0
RT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.02	0	0.0
CM	0	0.0	0	0.0	1	0.64	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.24	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CC	0	0.0	0	0.0	1	5.05	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
XC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SR	0	0.0	0	0.0	2	0.52	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0.0	0	0.0	8	7.27	0	0.0	0	0.0	0	0.0	12	2.62	0	0.0
PERCENT	0.0	0.0	0.0	0.0	1.33	4.83	0.0	0.0	0.0	0.0	0.0	0.0	2.00	1.75	0.0	0.0

MONTH: MARCH, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	9		10		11		12		13		14		15		16	
TEMP C	NO SAMPLING		NO SAMPLING		5.8		NO SAMPLING		NO SAMPLING		NO SAMPLING		4.1		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	3	0.05	0	0.0	0	0.0	0	0.0	22	0.32	0	0.0
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.04	0	0.0
SM	0	0.0	0	0.0	1	0.02	0	0.0	0	0.0	0	0.0	62	1.39	0	0.0
YP	0	0.0	0	0.0	8	0.36	0	0.0	0	0.0	0	0.0	15	1.79	0	0.0
TP	0	0.0	0	0.0	6	0.09	0	0.0	0	0.0	0	0.0	1	0.02	0	0.0
WS	0	0.0	0	0.0	1	0.89	0	0.0	0	0.0	0	0.0	6	13.25	0	0.0
LS	0	0.0	0	0.0	2	4.40	0	0.0	0	0.0	0	0.0	2	3.85	0	0.0
CH	0	0.0	0	0.0	1	0.28	0	0.0	0	0.0	0	0.0	97	25.56	0	0.0
RT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.66	0	0.0
CP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.21	0	0.0
MS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CM	0	0.0	0	0.0	2	1.47	0	0.0	0	0.0	0	0.0	12	7.87	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	1.24	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	0	0.0
SS	0	0.0	0	0.0	2	0.01	0	0.0	0	0.0	0	0.0	16	0.14	0	0.0
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SB	0	0.0	0	0.0	1	0.33	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.37	0	0.0
XC	0	0.0	0	0.0	1	0.00	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.44	0	0.0
BR	0	0.0	0	0.0	1	0.04	0	0.0	0	0.0	0	0.0	6	3.49	0	0.0
RD	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0.0	0	0.0	29	7.94	0	0.0	0	0.0	0	0.0	248	60.61	0	0.0
PERCENT	0.0	0.0	0.0	0.0	4.83	5.28	0.0	0.0	0.0	0.0	0.0	0.0	41.33	40.30	0.0	0.0





MONTH: MARCH, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	17		18		19		20		21		22		23		24	
TEMP C	NO SAMPLING		NO SAMPLING		5.1		NO SAMPLING		NO SAMPLING		NO SAMPLING		8.0		NO SAMPLING	
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT
SP	0	0.0	0	0.0	10	0.18	0	0.0	0	0.0	0	0.0	8	13.32	0	0.0
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
YP	0	0.0	0	0.0	9	0.69	0	0.0	0	0.0	0	0.0	20	1.89	0	0.0
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LS	0	0.0	0	0.0	2	2.62	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CH	0	0.0	0	0.0	10	6.38	0	0.0	0	0.0	0	0.0	4	0.84	0	0.0
RT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.85	0	0.0
CP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MS	0	0.0	0	0.0	1	1.75	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CN	0	0.0	0	0.0	1	0.89	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
XC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
BR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
RB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.26	0	0.0
SL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TOTALS	0	0.0	0	0.0	33	12.51	0	0.0	0	0.0	0	0.0	34	18.15	0	0.0
PERCENT	0.0	0.0	0.0	0.0	5.50	8.32	0.0	0.0	0.0	0.0	0.0	0.0	5.67	12.07	0.0	0.0

MONTH: MARCH, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

	25		26		27		28		29		30		31				
TEMP C	NO SAMPLING		NO SAMPLING		3.4		NO SAMPLING		NO SAMPLING		NO SAMPLING		7.0				
SPECIES	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	NUMBER	WEIGHT	TOT. NO.	TOT. WT.	
SP	0	0.0	0	0.0	58	0.08	0	0.0	0	0.0	0	0.0	24	0.27	126	15.03	
AL	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.04	
SM	0	0.0	0	0.0	11	0.29	0	0.0	0	0.0	0	0.0	16	0.17	92	1.93	
YP	0	0.0	0	0.0	51	4.62	0	0.0	0	0.0	0	0.0	3	1.16	114	12.26	
TP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	0.10	
WS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.31	9	14.87	
LS	0	0.0	0	0.0	1	2.02	0	0.0	0	0.0	0	0.0	3	3.95	10	16.85	
CH	0	0.0	0	0.0	7	2.15	0	0.0	0	0.0	0	0.0	4	2.24	124	38.62	
RT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	2.51	
CP	0	0.0	0	0.0	1	6.27	0	0.0	0	0.0	0	0.0	1	0.31	3	6.79	
MS	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0	0	0.0	0	0.0	3	1.78	
CM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	16	10.87	
BT	0	0.0	0	0.0	1	0.90	0	0.0	0	0.0	0	0.0	1	0.58	7	2.97	
NS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	
SS	0	0.0	0	0.0	7	0.06	0	0.0	0	0.0	0	0.0	24	0.19	49	0.40	
CC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.05	
SB	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.33	
GS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.37	
XC	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.00	
NH	0	0.0	0	0.0	1	0.01	0	0.0	0	0.0	0	0.0	0	0.0	1	0.01	
LW	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.44	
BR	0	0.0	0	0.0	8	0.55	0	0.0	0	0.0	0	0.0	10	6.06	25	18.15	
RB	0	0.0	0	0.0	1	0.11	0	0.0	0	0.0	0	0.0	0	0.0	1	0.11	
SR	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	0.78	
SL	0	0.0	0	0.0	1	0.16	0	0.0	0	0.0	0	0.0	0	0.0	1	0.16	
TOTALS	0	0.0	0	0.0	149	26.05	0	0.0	0	0.0	0	0.0	87	15.25	600	150.41	
PERCENT	0.0	0.0	0.0	0.0	24.83	17.32	0.0	0.0	0.0	0.0	0.0	0.0	14.50	10.14	100.00	100.00	



MONTH: MARCH, 1979

WEIGHT IN KILOGRAMS  
TEMPERATURE IN DEGREES CENTIGRADE  
PERCENTAGES ARE OF TOTAL SAMPLED THIS MONTH

SPECIES	DAILY AVG NUMBER	STD DEV NUMBER	DAILY AVG WEIGHT	STD DEV WEIGHT	PERCENT NUMBER	TOTAL NUMBER	PERCENT WEIGHT	TOTAL WEIGHT	ESTIMATED TOTALS FOR MONTH NUMBER	WEIGHT
SP	15.75	19.32	1.88	4.63	21.03	126	9.99	15.03	488	58.24
AL	0.13	0.35	0.01	0.02	0.17	1	0.03	0.04	3	0.16
SH	11.50	21.27	0.24	0.47	15.33	92	1.28	1.93	356	7.47
YP	14.25	15.99	1.53	1.36	19.00	114	8.15	12.26	441	47.52
TP	0.88	2.10	0.01	0.03	1.17	7	0.07	0.10	27	0.40
WS	1.13	2.03	1.86	4.61	1.50	9	9.88	14.87	34	57.61
LS	1.25	1.16	2.11	1.90	1.67	10	11.20	16.85	38	65.29
CH	15.50	33.10	4.83	8.61	20.67	124	25.68	38.62	480	149.66
RT	0.25	0.46	0.31	0.66	0.33	2	1.67	2.51	7	9.71
CP	0.38	0.52	0.85	2.20	0.50	3	4.51	6.79	11	26.30
MS	0.38	0.52	0.22	0.62	0.50	3	1.18	1.78	11	6.90
CM	2.00	4.11	1.36	2.69	2.67	16	7.23	10.87	62	42.11
BT	0.88	1.13	0.37	0.49	1.17	7	1.97	2.97	27	11.49
NS	0.13	0.35	0.00	0.00	0.17	1	0.00	0.00	3	0.01
SS	6.13	9.14	0.05	0.08	8.17	49	0.27	0.40	189	1.56
CC	0.13	0.35	0.63	1.79	0.17	1	3.36	5.05	3	19.57
SB	0.13	0.35	0.04	0.12	0.17	1	0.22	0.33	3	1.28
GS	0.13	0.35	0.05	0.13	0.17	1	0.24	0.37	3	1.42
XC	0.13	0.35	0.00	0.00	0.17	1	0.00	0.00	3	0.01
MM	0.13	0.35	0.00	0.00	0.17	1	0.00	0.01	3	0.02
LW	0.13	0.35	0.05	0.16	0.17	1	0.29	0.44	3	1.70
BR	3.13	4.19	2.27	3.40	4.17	25	12.07	18.15	96	70.32
RB	0.13	0.35	0.01	0.04	0.17	1	0.07	0.11	3	0.44
SR	0.38	0.74	0.10	0.19	0.50	3	0.52	0.78	11	3.01
SL	0.13	0.35	0.02	0.06	0.17	1	0.11	0.16	3	0.62
TOTAL	75.00	84.15	18.80	18.39	100.00	600	100.00	150.41	2325	582.84

THERE WERE 0 DAYS ON WHICH SAMPLES WERE TAKEN.  
ESTIMATED TOTALS FOR THIS MONTH ARE BASED ON 31 DAYS OF IMPINGEMENT.

EXECUTION TERMINATED 12:31:08 T=.525 RC=0 \$.43