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**ILLINOIS
NATURAL HISTORY
SURVEY**

**DATA BASE MANAGEMENT AND ANALYSIS OF
FISHERIES IN ILLINOIS IMPOUNDMENTS**

(F-69-R)

Annual Report
to
IL Department of Conservation

Center for Aquatic Ecology

Peter B. Bayley
with D. J. Austen, S. T. Sobaski, and D. Staske

February 1992

Aquatic Ecology Technical Report 92/3

Illinois Natural History Survey
Center for Aquatic Ecology
Technical Report 92/3

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IN ILLINOIS IMPOUNDMENTS (F-69-R)**

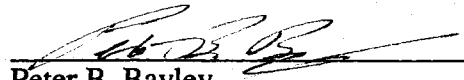
Annual Report to
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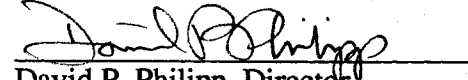
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February, 1992

**DATA BASE MANAGEMENT AND ANALYSIS OF
FISHERIES IN ILLINOIS IMPOUNDMENTS (F-69-R)**

**Annual Report, Segment 6
1st January - 31st December, 1991**

**Peter B. Bayley
Principal Investigator**

with D. J. Austen, S. T. Sobaski, and D. Staske

**Aquatic Biology Section
Illinois Natural History Survey
607 E. Peabody
Champaign, IL 61820**

Study 101: Data base management and analysis of fisheries in Illinois impoundments.

Job 101.1. Creel surveys

All scheduled creels have been completed with no insurmountable problems (see attached outputs). Due to improved efficiency in processing, checking, and analyzing data, outputs from all creels up to November 15 were delivered on schedule. Output data sheets from harvests and the first sheet of ancillary data are shown in Appendix A. The improved precision values of harvest, catch, and effort observed in 1989 and 1990 have been maintained.

During the year we have hired a new Southern Region Creel Manager, Ms. Betty Carroll, who began work in April 1991, and a new Central Region Creel Manager, Jay Dexter, who will begin work in January 1992.

The second Creel Clerk Workshop was held at INHS in Champaign, during 12-13 March, when new clerks had just been recruited. This was a success from the technical and psychological points of view, and these meetings will be continued on an annual basis. The presentation of Dale Burkett, which outlined the needs of fisheries management and the importance of creel data was appreciated.

Job 101.2 Microcomputer Support

All creel output and input programs continue to function well. The Standard creel upload program is now being adapted to upload to a new version of FAS being developed on Paradox.

Forth code used on the DOC9 data on Apple IIe's has been adapted for use on MS-DOS machines to produce similar graphical outputs from individual lakes. Work has begun on a stand-alone, tabular output program that will receive data as standard ASCII text files selected from the Paradox data base. This program will include summary catch per effort, PSD, and condition factor information across lakes or for time-series within lakes. The design is open-ended, so that changes and new features can be added as the software is developed.

Our new programmer, Chuck Douglas, has made fast progress on DOC9 programs. His first program, LIMNOL.SUMMARY, passed beta testing and is currently being distributed to IDOC personnel during the last quarter of 1991. He has rewritten the catch per effort program, CPUE, which now includes the facility to input length groups down to millimeter precision if desired. He has also rewritten L-FREQ/CONDITION to include a similar facility, plus other enhancements which some District Managers had requested.

Two workshops for the District Managers and the Reservoir Program Manager were again held in July. These meetings concentrated on explaining further details of the Creel Output programs. There was a presentation by Douglas Austen on preliminary lake classification results and precision of fish sampling. The managers are now becoming more aware of how much their sampling contributes to knowledge important for managing stocks, as was revealed by some frank discussions during both meetings.

Job 101.3 Impoundment Documentation

During 1991, digitized contours, habitat, and sampling information was completed in computerized form for 141 lakes. Four more lakes were mapped: Horseshoe, Baldwin, Homer, and Mermet during 1991, bringing the total number of lakes to 145. All information from these additional lakes has now been computerized except for the transfer of habitat information. Verified sampling maps giving locations of standardized sampling stations on lakes were received from District Managers; this information is now in the Fisheries Analysis System. Macintosh Pict files of all hydrographic maps were sent to IDOC Springfield. The mapping information (on ARC/INFO) is now ready for map preparation. Summaries of all textual data will be loaded into FAS when the new structure on Paradox is ready.

During segment 6 the final report will include for each lake two maps (one showing selected depth contours, one showing sampling locations) and one page of text summarizing limnological and physical data.

Job 101.4 Data base management

We have so far accumulated on State FAS fish population survey data from 679 lake surveys from 1981-1990, obtained from 271 state-managed impoundments. This does not include data collected during 1990 which is being received from IDOC Managers during 1991. The size of the R:Base State FAS file is now about 14 Mbytes, which does not yet include creel information.

A major change in policy was agreed upon by IDOC and the project personnel regarding a change in the commercial data base for FAS, because of severe limitations of R:Base for DOS in speed and SQL compatibility on the IDOC network. At the end of June IDOC, after consultation with project personnel, decided to change to Paradox, which has the required compatibility and has received top reviews for speed and other attributes. Initial investigation into Paradox has so far vindicated the excellent reviews of this package. A Paradox equivalent to the R:Base FAS system is currently being designed. This will be as similar as possible so that users with experience with the R:Base version will know where to find information.

Although transfer of data is not problematical, some redesign will be necessary because Paradox does not have the equivalent of R:Base's 'Note' field. Some alteration of the upload creel programs may be required, but there will be no reduction in the information transferred. The response from District Managers with respect to lake survey data has been excellent, and the quantity of information received has exceeded that of any previous year.

As part of the Springfield-based FAS operation, software for GIS-type work has been purchased for the analysis and output of geographically related data on lake fisheries and individual lake maps. A person is in the process of being hired to act as FAS data base manager in Springfield. After training, this person will manage the statewide FAS, District Manager's Apple IIe-based systems, and provide tabular, graphics, and geographic based outputs required by managers, planners and researchers associated with the project.

Appendix A: Standard harvest and Ancillary (first page) outputs for 1991 creels (including F-29-R creels) in alphabetical order.

The lakes are listed in the following order:

Coffeen Lake
Dolan Lake
Dutchman Lake
Forbes Lake
Frank Holton Lake
Horseshoe Lake
Johnson Lake (Banner Marsh)
Jones Lake
Kinkaid Lake
Lake Springfield
Lake Carlton
Lake Jacksonville
Pittsfield Lake
Ramsey Lake
Rend Lake
Washington Co. Lake
Weldon Springs Lake

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=COFFEEN
 DISTRICT :=12 YEAR :=91
 ACREAGE :=1102 SAMPLING RATIO :=1042/5304 = 19.6%
 RATIO OF EFFORT HOURS INTERVIEWED := 15592.1/102443 = 15.22%
 NUMBER OF INTERVIEWS: 3383

COMBINED ACROSS STRATA:

YEAR PERIOD 01/01 TO 02/15 OF SECTION 1
 YEAR PERIOD 02/16 TO 03/14 OF SECTION 1
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 3
 YEAR PERIOD 01/01 TO 02/15 OF SECTION 2
 YEAR PERIOD 02/16 TO 03/14 OF SECTION 2
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3

MSC SPECIES CAUGHT:

FCF STB CAP GSF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.018	+- .169 (857 %)	1739	+-12724 (632 %)	3.90	1.58
CCF	.118	.094-.142 (21 %)	18122	15353-20891 (15 %)	40.43	16.45
LMB	.018	.015-.022 (19 %)	4796	3933-5658 (18 %)	10.75	4.35
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.021	.012-.029 (40 %)	4418	3184-5652 (28 %)	9.91	4.01
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.000	+- .002 (233 %)	31	+-82 (160 %)	.07	.03
MSC	.000	+- .001 (147 %)	32	+-78 (141 %)	.07	.03
TOT	.176	.126-.225 (28 %)	29139	24948-33330 (14 %)	65.34	26.44

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.000	+- .003 (671 %)	45	+-229 (412 %)	.100	25.8
CCF	.039	.029-.049 (25 %)	5722	4839-6604 (15 %)	12.830	315.7
LMB	.019	.016-.023 (19 %)	5082	4146-6018 (18 %)	11.395	1059.7
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.005	.003-.006 (41 %)	995	714-1276 (28 %)	2.230	225.2
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.000	+- .000 (228 %)	2	+-5 (171 %)	.004	56.1
MSC	.000	+- .000 (183 %)	14	+-33 (134 %)	.032	437.6
TOT	.064	.054-.073 (15 %)	11859	10533-13186 (11 %)	26.592	407.0

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.000	+- .008 (671 %)	99	+-505 (412 %)	.090	.0568
CCF	.086	.065-.108 (25 %)	12614	10669-14560 (15 %)	11.447	.6961
LMB	.043	.034-.051 (19 %)	11204	9141-13267 (18 %)	10.167	2.3362
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.010	.006-.014 (41 %)	2193	1573-2813 (28 %)	1.990	.4964
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.000	+- .000 (228 %)	4	+-11 (171 %)	.004	.1238
MSC	.000	+- .002 (183 %)	31	+-73 (134 %)	.028	.9648
TOT	.140	.120-.161 (15 %)	26145	23221-29069 (11 %)	23.725	.8973

TABLE 1991 COFFEEN COMPLETE DAY CREEL
DAYTIME DATA FOR LAKE=COFFEEN CREEL BEGUN IN YEAR=91

SECTION 1	FROM	01/01	TO	02/15
SECTION 1	FROM	02/16	TO	03/14
SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31
SECTION 1	FROM	11/01	TO	11/15
SECTION 2	FROM	01/01	TO	02/15
SECTION 2	FROM	02/16	TO	03/14
SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 2	FROM	11/01	TO	11/15
SECTION 3	FROM	01/01	TO	02/15
SECTION 3	FROM	02/16	TO	03/14
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31
SECTION 3	FROM	11/01	TO	11/15

TABLE 1991 COFFEEN COMPLETE DAY CREEL CONTINUED
 DAYTIME DATA FOR LAKE=COFFEEN CREEL BEGUN IN YEAR=91

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	5.2	5 - 5.3 (< 3%)	.5	12.6	666
SHORE	3	2.3 - 3.6 (< 22%)	.8	9.2	38
BOAT & SHORE	5	4.9 - 5.2 (< 3%)	.5	12.6	704

569 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 22% OF ALL 3204 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	50.4	49.6 - 51.2 (< 2%)	0	250	3199
SUCCESS RATING 1-10?	3.4	3.3 - 3.5 (< 3%)	1	10	3197

IS CATCH ILLEGAL?

CLERK NOTED 0 OUT OF 3204 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	12 (< .4%)	WHC	293 (< 9.1%)
LMB	1975 (< 61.6%)	CCF	912 (< 28.5%)
BLG	10 (< .3%)	CAP	2 (< .1%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	589	1	75
2	1940	2	155
3	339	3	40
4	13	4	31
5	5	5	8
6	1	6	4
7		7	
8	1	8	2
9		9	
10+		10+	1

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=DOLAN
 DISTRICT :=16 YEAR :=91
 ACREAGE :71 SAMPLING RATIO :=664/1476 = 44.9%
 RATIO OF EFFORT HOURS INTERVIEWED := 3136.8/12821.1 = 24.46%
 NUMBER OF INTERVIEWS: 1319

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:
 YLB GSF GOS
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/ShORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.006	.001-.011 (81 %)	115	39-190 (66 %)	3.99	1.62
BLG	.483	.341-.625 (29 %)	7767	5668-9867 (27 %)	270.33	109.40
CCF	.127	.091-.162 (28 %)	1968	1478-2458 (25 %)	68.50	27.72
LMB	.026	.013-.038 (48 %)	495	263-728 (47 %)	17.24	6.98
RSF	.132	.066-.198 (50 %)	2440	1398-3482 (43 %)	84.92	34.37
WAM	.002	.000-.004 (100 %)	41	9-73 (79 %)	1.42	.58
WAE	.014	.007-.022 (52 %)	289	104-474 (64 %)	10.05	4.07
WHC	.113	.061-.166 (47 %)	2107	1088-3125 (48 %)	73.32	29.67
YEB	.021	.013-.029 (40 %)	532	303-760 (43 %)	18.51	7.49
MSC	.007	.002-.012 (76 %)	104	37-170 (64 %)	3.61	1.46
TOT	.931	.745-1.118 (20 %)	15858	12752-18963 (20 %)	551.89	223.35

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	.000-.002 (69 %)	18	7-29 (59 %)	.628	157.5
BLG	.042	.029-.054 (30 %)	677	490-864 (28 %)	23.563	87.2
CCF	.054	.033-.075 (39 %)	809	598-1021 (26 %)	28.158	411.1
LMB	.021	.012-.030 (43 %)	441	234-647 (47 %)	15.340	889.8
RSF	.014	.008-.020 (45 %)	269	159-379 (41 %)	9.366	110.3
WAM	.000	+-0.000 (110 %)	5	1-9 (73 %)	.183	128.6
WAE	.008	.004-.012 (49 %)	167	64-270 (62 %)	5.802	577.1
WHC	.014	.007-.022 (54 %)	228	134-323 (41 %)	7.948	108.4
YEB	.005	.003-.007 (47 %)	127	65-190 (49 %)	4.431	239.4
MSC	.000	.000-.000 (88 %)	8	2-13 (68 %)	.265	73.3
TOT	.159	.132-.186 (17 %)	2749	2289-3210 (17 %)	95.684	173.4

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.002	.000-.003 (69 %)	40	16-63 (59 %)	.561	.3472
BLG	.092	.064-.119 (30 %)	1493	1081-1904 (28 %)	21.023	.1922
CCF	.119	.073-.165 (39 %)	1784	1318-2250 (26 %)	25.123	.9062
LMB	.046	.026-.066 (43 %)	972	517-1427 (47 %)	13.687	1.9616
RSF	.031	.017-.044 (45 %)	593	351-835 (41 %)	8.357	.2432
WAM	.000	+-0.001 (110 %)	12	3-20 (73 %)	.163	.2835
WAE	.018	.009-.027 (49 %)	368	141-594 (62 %)	5.176	1.2722
WHC	.032	.015-.049 (54 %)	503	295-712 (41 %)	7.091	.2390
YEB	.010	.006-.015 (47 %)	281	143-418 (49 %)	3.953	.5278
MSC	.000	.000-.002 (88 %)	17	5-28 (68 %)	.236	.1615
TOT	.351	.291-.411 (17 %)	6061	5046-7077 (17 %)	85.369	.3822

TABLE 1991 DOLAN COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=DOLAN CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	2.8	2.4 - 3.1 (12%)	.5	9	180
SHORE	1.3	1.2 - 1.4 (8%)	.5	3.3	153
BOAT & SHORE	2.1	1.9 - 2.3 (9%)	.5	9	333

61 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 26.3% OF ALL 1268 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	26.1	23.3 - 28.9 (11%)	1	900	1260
SUCCESS RATING 1-10?	2.1	2 - 2.2 (6%)	1	10	1262

IS CATCH ILLEGAL?

CLERK NOTED 2 OUT OF 1268 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT		SHORE	
ANY	240 (18.9%)	WAE	65 (5.1%)	1	207	1	304
CAT	430 (33.9%)	LMB	212 (16.7%)	2	334	2	250
CRP	17 (1.3%)	BLG	54 (4.3%)	3	32	3	77
WHC	116 (9.1%)	CCF	6 (.5%)	4	5	4	41
SUN	124 (9.8%)	RSF	1 (.1%)	5	2	5	9
BLC	3 (.2%)			6		6	5
				7		7	2
				8		8	
				9		9	
				10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=DUTCHMAN
 DISTRICT :=18 YEAR :=91
 ACREAGE :118 SAMPLING RATIO :=630/1476 = 42.6%
 RATIO OF EFFORT HOURS INTERVIEWED := 3927.5/12491.2 = 31.44%
 NUMBER OF INTERVIEWS: 880

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:
 BGH LOS GRC
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.000	+-.002 (185 %)	17	+42 (150 %)	.35	.14
BLG	.861	.679-1.043 (21 %)	20760	16828-24693 (19 %)	434.72	175.93
CCF	.145	.112-.178 (23 %)	2929	2286-3571 (22 %)	61.33	24.82
GSF	.001	+-.004 (245 %)	14	+39 (170 %)	.30	.12
LMB	.035	.023-.047 (34 %)	1048	731-1365 (30 %)	21.95	8.88
RSF	.070	.050-.090 (29 %)	2142	1512-2771 (29 %)	44.85	18.15
WAM	.150	.094-.206 (37 %)	2182	1486-2879 (32 %)	45.70	18.50
WHC	.070	.039-.102 (45 %)	1688	994-2382 (41 %)	35.34	14.31
YEB	.006	.002-.010 (65 %)	130	53-207 (59 %)	2.72	1.10
MSC	.000	+-.001 (184 %)	11	+32 (177 %)	.24	.10
TOT	1.339	1.122-1.556 (16 %)	30921	26350-35492 (15 %)	647.50	262.04

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	+-.000 (188 %)	4	+9 (151 %)	.076	217.9
BLG	.101	.077-.126 (24 %)	2462	1947-2977 (21 %)	51.550	118.6
CCF	.042	.032-.052 (23 %)	888	683-1094 (23 %)	18.601	303.3
GSF	.000	+-.000 (240 %)	1	+3 (150 %)	.025	84.3
LMB	.013	.009-.017 (33 %)	404	273-536 (33 %)	8.469	385.8
RSF	.011	.008-.014 (30 %)	331	236-426 (29 %)	6.937	154.7
WAM	.022	.014-.031 (38 %)	335	230-440 (31 %)	7.015	153.5
WHC	.011	.006-.017 (50 %)	265	147-383 (44 %)	5.549	157.0
YEB	.003	.000-.005 (69 %)	68	25-111 (63 %)	1.425	524.0
MSC	.000	+-.000 (196 %)	1	+4 (189 %)	.026	108.1
TOT	.204	.173-.234 (15 %)	4760	4095-5425 (14 %)	99.673	153.9

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	+-.001 (188 %)	8	+20 (151 %)	.068	.4804
BLG	.223	.169-.277 (24 %)	5427	4292-6563 (21 %)	45.993	.2614
CCF	.092	.071-.114 (23 %)	1958	1505-2411 (23 %)	16.596	.6687
GSF	.000	+-.000 (240 %)	3	+7 (150 %)	.023	.1858
LMB	.028	.019-.037 (33 %)	892	601-1182 (33 %)	7.556	.8506
RSF	.024	.017-.031 (30 %)	730	521-940 (29 %)	6.189	.3410
WAM	.049	.031-.067 (38 %)	739	507-970 (31 %)	6.259	.3384
WHC	.024	.012-.037 (50 %)	584	325-844 (44 %)	4.950	.3461
YEB	.007	.002-.012 (69 %)	150	55-245 (63 %)	1.271	1.1552
MSC	.000	+-.000 (196 %)	3	+8 (189 %)	.023	.2382
TOT	.449	.382-.516 (15 %)	10494	9028-11959 (14 %)	88.929	.3394

TABLE 1991 DUTCHMAN COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=DUTCHMAN CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.3	3.2 - 3.5 (4%)	.2	8	497
SHORE	1.9	1.7 - 2.2 (12%)	.3	5	101
BOAT & SHORE	3.1	3 - 3.2 (4%)	.2	8	598

74 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 73.2% OF ALL 817 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	24.1	21.6 - 26.7 (11%)	1	350	800
SUCCESS RATING 1-10?	4.1	3.9 - 4.3 (4%)	1	10	793

IS CATCH ILLEGAL?

CLERK NOTED 0 OUT OF 817 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	293 (35.9%)	CRP	35 (4.3%)
LMB	99 (12.1%)	BLG	291 (35.6%)
CCF	79 (9.7%)	WHC	17 (2.1%)
RSF	3 (.4%)		

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	145	1	177
2	441	2	11
3	34	3	4
4	4	4	
5	1	5	
6		6	
7		7	
8		8	
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=FORBES
 DISTRICT :=14 YEAR :=91
 ACREAGE :=558 SAMPLING RATIO :=760/2952 = 25.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 10358.6/66177.3 = 15.65%
 NUMBER OF INTERVIEWS: 3069

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2

MSC SPECIES CAUGHT:

WAM LOS YEB GZS PUD CAP GSF STB SMB BOW
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.003	+-.009 (160 %)	284	+-.627 (121 %)	1.26	.51
BLG	.244	.166-.322 (32 %)	14497	11256-17739 (22 %)	64.20	25.98
CCF	.048	.030-.065 (36 %)	2837	2184-3491 (23 %)	12.56	5.09
LMB	.025	.014-.035 (43 %)	2229	1312-3146 (41 %)	9.87	4.00
RSF	.000	+-.002 (119 %)	65	+-.153 (136 %)	.29	.12
SBH	.000	+-.002 (245 %)	52	+-.181 (245 %)	.23	.10
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.116	.060-.172 (48 %)	10092	7143-13040 (29 %)	44.69	18.09
YLB	.002	+-.003 (122 %)	101	11-191 (89 %)	.45	.18
MSC	.028	+-.067 (138 %)	973	+-.2064 (112 %)	4.31	1.75
TOT	.467	.353-.581 (24 %)	31130	26441-35819 (15 %)	137.85	55.79

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	+-.000 (130 %)	32	+-.76 (135 %)	.143	114.2
BLG	.013	.010-.017 (29 %)	849	662-1036 (22 %)	3.760	58.6
CCF	.016	.011-.021 (31 %)	1094	822-1367 (25 %)	4.846	385.7
LMB	.028	.016-.040 (43 %)	2453	1428-3478 (42 %)	10.864	1100.8
RSF	.000	+-.000 (126 %)	7	+-.17 (139 %)	.031	107.1
SBH	.000	+-.001 (245 %)	48	+-.166 (245 %)	.213	916.0
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.013	.003-.022 (73 %)	1050	728-1371 (31 %)	4.648	104.0
YLB	.000	+-.000 (105 %)	24	3-46 (88 %)	.108	240.3
MSC	.004	+-.009 (107 %)	198	38-357 (81 %)	.876	203.3
TOT	.076	.060-.092 (21 %)	5756	4626-6886 (20 %)	25.488	184.9

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	+-.001 (130 %)	71	+-.168 (135 %)	.128	.2517
BLG	.030	.021-.038 (29 %)	1872	1459-2285 (22 %)	3.354	.1291
CCF	.036	.025-.047 (31 %)	2413	1812-3014 (25 %)	4.324	.8504
LMB	.061	.035-.087 (43 %)	5409	3149-7668 (42 %)	9.693	2.4267
RSF	.000	+-.000 (126 %)	15	+-.36 (139 %)	.027	.2361
SBH	.000	+-.003 (245 %)	106	+-.365 (245 %)	.190	2.0194
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.029	.008-.050 (73 %)	2314	1605-3022 (31 %)	4.147	.2293
YLB	.000	+-.001 (105 %)	54	7-101 (88 %)	.096	.5297
MSC	.009	+-.019 (107 %)	436	84-788 (81 %)	.782	.4482
TOT	.167	.132-.202 (21 %)	12689	10198-15180 (20 %)	22.740	.4076

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=FORBES
 DISTRICT :=14 YEAR :=91
 ACREAGE :=558 SAMPLING RATIO :=760/2952 = 25.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 10358.6/66177.3 = 15.65%
 NUMBER OF INTERVIEWS: 3069

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2

MSC SPECIES CAUGHT:

LMB BLG WHC CCF YLB SBH TGM RSF BLC BOW
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
CAP	.000	+-0.000 (216 %)	16	+-50 (216 %)	.07	.03
GSF	.000	+-0.002 (269 %)	80	+-304 (279 %)	.36	.15
GZS	.002	+-0.006 (278 %)	400	+-1512 (278 %)	1.77	.72
LOS	.020	+-0.059 (192 %)	159	7-310 (96 %)	.70	.29
PUD	.000	+-0.000 (226 %)	3	+-11 (226 %)	.02	.00
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
STB	.000	+-0.000 (220 %)	5	+-17 (220 %)	.02	.01
WAM	.002	+-0.004 (149 %)	38	+-96 (150 %)	.17	.07
YEB	.004	+-0.011 (191 %)	271	+-551 (103 %)	1.20	.49
MSC	.439	.345-.532 (21 %)	30157	25590-34724 (15 %)	133.54	54.05
TOT	.467	.353-.581 (24 %)	31130	26441-35819 (15 %)	137.85	55.79

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
CAP	.000	+-0.001 (216 %)	27	+-87 (216 %)	.121	1744.0
GSF	.000	+-0.000 (279 %)	3	+-13 (286 %)	.015	41.5
GZS	.000	+-0.000 (278 %)	7	+-26 (278 %)	.031	17.4
LOS	.001	+-0.004 (210 %)	9	+-19 (111 %)	.040	57.3
PUD	.000	+-0.000 (226 %)		+-0.27063 (226 %)	.000	23.9
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
STB	.000	+-0.000 (220 %)	23	+-73 (220 %)	.100	4337.6
WAM	.000	+-0.000 (145 %)	6	+-14 (147 %)	.025	147.4
YEB	.002	+-0.006 (227 %)	123	+-273 (122 %)	.543	452.5
MSC	.071	.056-.087 (21 %)	5558	4434-6682 (20 %)	24.612	184.3
TOT	.076	.060-.092 (21 %)	5756	4626-6886 (20 %)	25.488	184.9

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
CAP	.000	+-0.003 (216 %)	60	+-191 (216 %)	.108	3.8448
GSF	.000	+-0.000 (279 %)	7	+-28 (286 %)	.013	.0916
GZS	.000	+-0.000 (278 %)	15	+-58 (278 %)	.027	.0383
LOS	.003	+-0.010 (210 %)	20	+-42 (111 %)	.036	.1264
PUD	.000	+-0.000 (226 %)		+-0.59663 (226 %)	.000	.0526
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
STB	.000	+-0.001 (220 %)	50	+-160 (220 %)	.090	9.5627
WAM	.000	+-0.001 (145 %)	12	+-31 (147 %)	.022	.3250
YEB	.004	+-0.014 (227 %)	270	+-601 (122 %)	.484	.9975
MSC	.158	.124-.191 (21 %)	12253	9775-14731 (20 %)	21.959	.4063
TOT	.167	.132-.202 (21 %)	12689	10198-15180 (20 %)	22.740	.4076

TABLE FORBES LAKE 1991 COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=FORBES CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15
SECTION 2 FROM	03/15	TO	04/08
SECTION 2 FROM	04/09	TO	04/30
SECTION 2 FROM	05/01	TO	05/31
SECTION 2 FROM	06/01	TO	06/15
SECTION 2 FROM	06/16	TO	08/31
SECTION 2 FROM	09/01	TO	09/30
SECTION 2 FROM	10/01	TO	10/31
SECTION 2 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.6	4.2 - 4.9 (7%)	.2	10	395
SHORE	1	.8 - 1.2 (23%)	.5	2.9	28
BOAT & SHORE	4.3	4 - 4.7 (7%)	.2	10	423

152 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 13.8% OF ALL 3067 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	42.1	40 - 44.2 (5%)	0	900	2899
SUCCESS RATING 1-10?	3.5	3.4 - 3.6 (3%)	1	10	2735

IS CATCH ILLEGAL?

CLERK NOTED 2 OUT OF 3067 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT			PARTY SIZE VS. # INTERVIEWS				
			BOAT		SHORE		
ANY	584 (19%)	CCF	375 (12.2%)	1	551	1	183
LMB	1627 (53%)	CRP	212 (6.9%)	2	1694	2	205
BSS	50 (1.6%)	BLG	182 (5.9%)	3	207	3	75
CAP	2 (.1%)	SBH	9 (.3%)	4	82	4	28
WHC	25 (.8%)	GZS	1 (0%)	5	14	5	4
				6	9	6	6
				7		7	3
				8		8	3
				9	1	9	2
				10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=FRANK HOLTEN
 DISTRICT :=13 YEAR :=91
 ACREAGE :=158 SAMPLING RATIO :=818/2952 = 27.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 5518.9/39258.1 = 14.05%
 NUMBER OF INTERVIEWS: 2391

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2

MSC SPECIES CAUGHT:
 YEB BLB CAP BCF BGB BOW GZS GSF SHG
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.009	.002-.016 (83 %)	828	+ -2020 (144 %)	12.94	5.24
BLG	.214	.167-.261 (22 %)	14706	11178-18235 (24 %)	229.99	93.08
CCF	.047	.035-.059 (25 %)	2738	2094-3382 (24 %)	42.82	17.33
FRD	.000	.000-.001 (63 %)	86	24-149 (73 %)	1.35	.55
LMB	.003	.001-.005 (63 %)	222	111-333 (50 %)	3.47	1.41
RBT	.012	.007-.017 (45 %)	1041	733-1350 (30 %)	16.29	6.59
RSF	.004	+-.010 (185 %)	133	+ -289 (118 %)	2.07	.84
WHC	.076	.034-.118 (56 %)	2663	+ -10169 (282 %)	41.64	16.86
YLB	.011	.001-.021 (89 %)	619	300-939 (52 %)	9.68	3.92
MSC	.021	.012-.031 (44 %)	1269	827-1712 (35 %)	19.85	8.04
TOT	.398	.333-.463 (16 %)	24306	17468-31144 (28 %)	380.12	153.84

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.001	.000-.002 (83 %)	97	+ -208 (114 %)	1.523	117.7
BLG	.015	.011-.018 (25 %)	1000	781-1220 (22 %)	15.643	68.0
CCF	.019	.009-.028 (52 %)	842	576-1108 (32 %)	13.168	307.5
FRD	.000	.000-.000 (69 %)	45	7-83 (85 %)	.704	522.8
LMB	.002	.000-.004 (80 %)	146	58-234 (60 %)	2.285	657.9
RBT	.004	.002-.006 (50 %)	327	228-425 (30 %)	5.107	313.5
RSF	.000	+-.001 (194 %)	14	+ -36 (123 %)	.253	122.1
WHC	.011	.004-.018 (65 %)	332	+ -946 (185 %)	5.189	124.6
YLB	.000	.000-.000 (68 %)	19	10-28 (49 %)	.294	30.4
MSC	.010	.005-.016 (52 %)	684	389-978 (43 %)	10.691	538.5
TOT	.063	.051-.075 (20 %)	3508	2952-4063 (16 %)	54.857	144.3

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.002	.000-.004 (83 %)	215	+ -459 (114 %)	1.359	.2594
BLG	.032	.024-.040 (25 %)	2205	1722-2689 (22 %)	13.957	.1499
CCF	.041	.020-.062 (52 %)	1856	1269-2443 (32 %)	11.749	.6779
FRD	.001	.000-.002 (69 %)	99	15-183 (85 %)	.628	1.1527
LMB	.005	.001-.009 (80 %)	322	128-516 (60 %)	2.039	1.4504
RBT	.009	.004-.013 (50 %)	720	504-936 (30 %)	4.556	.6912
RSF	.000	+-.003 (194 %)	36	+ -79 (123 %)	.226	.2691
WHC	.023	.008-.039 (65 %)	731	+ -2086 (185 %)	4.629	.2747
YLB	.000	.000-.001 (68 %)	42	21-62 (49 %)	.263	.0670
MSC	.023	.011-.035 (52 %)	1507	858-2156 (43 %)	9.538	1.1872
TOT	.138	.111-.166 (20 %)	7733	6509-8957 (16 %)	48.944	.3182

TABLE 1991 FRANK HOLTEN COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE FRANK HOLTEN CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15
SECTION 2 FROM	03/15	TO	04/08
SECTION 2 FROM	04/09	TO	04/30
SECTION 2 FROM	05/01	TO	05/31
SECTION 2 FROM	06/01	TO	06/15
SECTION 2 FROM	06/16	TO	08/31
SECTION 2 FROM	09/01	TO	09/30
SECTION 2 FROM	10/01	TO	10/31
SECTION 2 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.8	3.5 - 4.1 (7%)	.9	8.3	146
SHORE	1.9	1.8 - 2.1 (8%)	.3	11.6	393
BOAT & SHORE	2.4	2.3 - 2.6 (6%)	.3	11.6	539

219 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 24% OF ALL 2250 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	4.6	4.1 - 5 (10%)	1	325	2247
SUCCESS RATING 1-10?	2.6	2.5 - 2.7 (4%)	1	10	2243

IS CATCH ILLEGAL?

CLERK NOTED 9 OUT OF 2250 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	996 (44.3%)	CCF	456 (20.3%)
RBT	131 (5.8%)	CRP	306 (13.6%)
LMB	83 (3.7%)	BLG	264 (11.7%)
YLB	3 (.1%)	CAP	3 (.1%)
SUN	1 (0%)	BGB	7 (.3%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	66	1	1308
2	80	2	645
3	8	3	100
4	1	4	33
5		5	8
6		6	1
7		7	
8		8	
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=HORSESHOE
 DISTRICT :=18 YEAR :=91
 ACREAGE :1801 SAMPLING RATIO :=726/4158 = 17.4%
 RATIO OF EFFORT HOURS INTERVIEWED := 2971.9/50735.9 = 5.85%
 NUMBER OF INTERVIEWS: 916

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3

MSC SPECIES CAUGHT:
 YLB WAM YEB SPB STB BOW BLB BGB ORS
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.011	.002-.020 (80 %)	1986	755-3216 (62 %)	2.72	1.10
BLG	.088	.058-.117 (34 %)	13181	9045-17317 (31 %)	18.08	7.32
CAP	.000	+-0.000 (278 %)	5	+18 (278 %)	.00	.00
CCF	.003	+-0.006 (130 %)	553	+1235 (123 %)	.76	.31
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.013	+-0.031 (131 %)	568	+1171 (106 %)	.78	.32
RSF	.113	+-0.451 (301 %)	10281	+40247 (291 %)	14.11	5.71
WHB	.000	+-0.005 (405 %)	190	+445 (134 %)	.26	.11
WHC	.359	.258-.460 (28 %)	37516	24657-50375 (34 %)	51.47	20.83
MSC	.014	+-0.038 (177 %)	959	389-1528 (59 %)	1.32	.53
TOT	.601	.335-.867 (44 %)	65239	41914-88564 (36 %)	89.51	36.23

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.001	.000-.003 (89 %)	272	75-468 (72 %)	.373	136.8
BLG	.010	.006-.013 (38 %)	1639	980-2297 (40 %)	2.248	124.3
CAP	.000	+-0.000 (278 %)	20	+77 (278 %)	.028	4274.2
CCF	.003	+-0.012 (265 %)	791	+2238 (183 %)	1.036	1430.1
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.025	+-0.073 (193 %)	804	+2296 (186 %)	1.103	1415.9
RSF	.042	+-0.180 (332 %)	3742	+15893 (325 %)	5.134	363.9
WHB	.000	+-0.003 (104 %)	26	+65 (145 %)	.036	138.6
WHC	.062	.040-.085 (36 %)	7323	2676-11971 (63 %)	10.047	195.2
MSC	.003	.000-.007 (92 %)	360	106-613 (71 %)	.493	375.0
TOT	.147	.038-.256 (74 %)	14977	5553-24401 (63 %)	20.548	229.6

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.003	.000-.006 (89 %)	599	165-1032 (72 %)	.932	.3015
BLG	.021	.013-.029 (38 %)	3613	2161-5065 (40 %)	2.006	.2741
CAP	.000	+-0.000 (278 %)	45	+169 (278 %)	.025	9.4229
CCF	.007	+-0.027 (265 %)	1744	+4935 (183 %)	.969	3.1527
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.055	+-0.161 (193 %)	1772	+5061 (186 %)	.984	3.1215
RSF	.092	+-0.396 (332 %)	8249	+35038 (325 %)	4.580	.8023
WHB	.000	+-0.008 (104 %)	58	+143 (145 %)	.032	.3055
WHC	.137	.088-.187 (36 %)	16145	5899-26390 (63 %)	8.964	.4303
MSC	.008	.000-.015 (92 %)	793	233-1352 (71 %)	.440	.8267
TOT	.324	.084-.564 (74 %)	33018	12241-53794 (63 %)	18.333	.5061

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=HORSESHOE
 DISTRICT :=18 YEAR :=91
 ACREAGE :1801 SAMPLING RATIO :=726/4158 = 17.4%
 RATIO OF EFFORT HOURS INTERVIEWED := 2971.9/50735.9 = 5.85%
 NUMBER OF INTERVIEWS: 916

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3

MSC SPECIES CAUGHT:
 WHC BLG BLG LMB RSF CCF WHB CAP FCF
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/ShORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BGB	.000	+-.004 (127 %)	17	+230 (127 %)	.02	.01
BLB	.000	+-.002 (360 %)	65	+295 (355 %)	.09	.04
BOW	.000	+-.000 (223 %)	70	+228 (223 %)	.10	.04
ORS	*** NOT RECORDED ***		*** NOT RECORDED ***			
SPB	.000	+-.001 (257 %)	57	+202 (257 %)	.08	.03
STB	.009	+-.034 (271 %)	263	+751 (185 %)	.36	.15
WAM	.001	+-.010 (871 %)	134	+985 (637 %)	.18	.08
YEB	.002	+-.003 (102 %)	193	38-348 (81 %)	.26	.11
YLB	.000	+-.002 (137 %)	160	+424 (165 %)	.22	.09
MSC	.587	.321-.854 (45 %)	64280	40949-87611 (36 %)	88.19	35.69
TOT	.601	.335-.867 (44 %)	65239	41914-88564 (36 %)	89.51	36.23

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BGB	.000	+-.010 (127 %)	41	+563 (127 %)	.056	2445.0
BLB	.000	+-.000 (240 %)	7	+19 (185 %)	.009	105.4
BOW	.000	+-.000 (223 %)	2	+8 (223 %)	.003	33.3
ORS	*** NOT RECORDED ***		*** NOT RECORDED ***			
SPB	.000	+-.000 (257 %)	17	+60 (257 %)	.023	299.0
STB	.000	+-.002 (157 %)	32	+106 (230 %)	.044	121.5
WAM	.000	+-.000 (106 %)	6	+69 (996 %)	.009	46.8
YEB	.002	+-.005 (148 %)	239	6-472 (98 %)	.328	1239.1
YLB	.000	+-.000 (148 %)	15	+38 (154 %)	.021	94.4
MSC	.143	.034-.252 (76 %)	14617	5192-24042 (64 %)	20.055	227.4
TOT	.147	.038-.256 (74 %)	14977	5553-24401 (63 %)	20.548	229.6

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BGB	.002	+-.021 (127 %)	91	+1241 (127 %)	.050	5.3902
BLB	.000	+-.000 (240 %)	15	+43 (185 %)	.008	.2324
BOW	.000	+-.000 (223 %)	5	+17 (223 %)	.003	.0735
ORS	*** NOT RECORDED ***		*** NOT RECORDED ***			
SPB	.000	+-.000 (257 %)	37	+133 (257 %)	.021	.6592
STB	.001	+-.003 (157 %)	71	+233 (230 %)	.039	.2679
WAM	.000	+-.001 (106 %)	14	+151 (996 %)	.008	.1032
YEB	.004	+-.010 (148 %)	527	12-1041 (98 %)	.293	2.7317
YLB	.000	+-.000 (148 %)	33	+85 (154 %)	.019	.2081
MSC	.316	.076-.556 (76 %)	32225	11447-53003 (64 %)	17.893	.5013
TOT	.324	.084-.564 (74 %)	33018	12241-53794 (63 %)	18.333	.5061

TABLE HORSESHOE LAKE 1991 DAY CREEL THRU 10/14 - SECOND INTERIM REPORT
DAYTIME DATA FOR LAKE=HORSESHOE CREEL BEGUN IN YEAR=91

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31
SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31

TABLE HORSESHOE LAKE 1991 DAY CREEL THRU 10/14 - SECOND INTERIM REPORT CONTINUED
 DAYTIME DATA FOR LAKE=HORSESHOE CREEL BEGUN IN YEAR=91

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.5	3.2 - 3.7 (7%)	.3	12	251
SHORE	1.5	.6 - 2.5 (60%)	.3	2.9	8
BOAT & SHORE	3.4	3.2 - 3.7 (7%)	.3	12	259

123 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 30.8% OF ALL 842 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	51.4	46.2 - 56.5 (10%)	0	650	826
SUCCESS RATING 1-10?	3.9	3.8 - 4.1 (5%)	1	10	835

IS CATCH ILLEGAL?

CLERK NOTED 8 OUT OF 842 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	107 (12.7%)	WHC	346 (41.1%)
CRP	227 (27%)	LMB	51 (6.1%)
CAP	2 (.2%)	BLG	80 (9.5%)
RSF	9 (1.1%)	CCF	18 (2.1%)
BLC	2 (.2%)		

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	299	1	59
2	398	2	9
3	56	3	6
4	12	4	
5	1	5	2
6		6	
7		7	
8		8	
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=1 LAKE :=JOHNSON
 DISTRICT :=04 YEAR :=91
 ACREAGE :=135 SAMPLING RATIO :=700/1476 = 47.4%
 RATIO OF EFFORT HOURS INTERVIEWED := 10701.3/24821.7 = 43.11%
 NUMBER OF INTERVIEWS: 2380

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:

SMB YEB CAP RSF BRB BLB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.007	.002-.012 (70 %)	234	105-363 (55 %)	4.28	1.74
BLG	.130	.090-.169 (30 %)	3540	2655-4426 (25 %)	64.80	26.23
CCF	.036	.027-.046 (27 %)	961	749-1174 (22 %)	17.59	7.12
GSF	.014	.002-.026 (85 %)	507	269-746 (47 %)	9.29	3.76
LMB	.015	.011-.020 (30 %)	524	414-634 (21 %)	9.59	3.88
NOP	.000	+-.000 (278 %)	1	+5 (278 %)	.02	.01
WAE	.001	.000-.003 (91 %)	53	14-93 (75 %)	.98	.40
WHC	.029	.009-.048 (69 %)	630	382-878 (39 %)	11.54	4.67
MSC	.015	.002-.027 (83 %)	362	168-556 (54 %)	6.62	2.68
TOT	.247	.188-.305 (24 %)	6814	5599-8028 (18 %)	124.71	50.47

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.001	.000-.002 (71 %)	46	18-74 (60 %)	.849	198.2
BLG	.009	.006-.012 (30 %)	258	194-322 (25 %)	4.730	73.0
CCF	.014	.009-.018 (32 %)	338	254-421 (25 %)	6.184	351.5
GSF	.000	.000-.001 (64 %)	33	19-46 (41 %)	.598	64.3
LMB	.013	.009-.017 (30 %)	450	354-546 (21 %)	8.238	858.8
NOP	.000	+-.000 (278 %)	4	+14 (278 %)	.067	3060.4
WAE	.001	.000-.002 (93 %)	42	8-76 (81 %)	.764	782.3
WHC	.004	+-.009 (131 %)	88	29-147 (67 %)	1.610	139.5
MSC	.003	.002-.005 (52 %)	86	57-116 (34 %)	1.577	238.2
TOT	.046	.038-.055 (18 %)	1345	1178-1512 (12 %)	24.617	197.4

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.003	.000-.005 (71 %)	102	41-164 (60 %)	.758	.4370
BLG	.020	.014-.026 (30 %)	570	428-711 (25 %)	4.220	.1609
CCF	.030	.020-.039 (32 %)	745	561-929 (25 %)	5.518	.7750
GSF	.002	.000-.003 (64 %)	72	43-101 (41 %)	.533	.1418
LMB	.028	.020-.037 (30 %)	992	781-1203 (21 %)	7.350	1.8934
NOP	.000	+-.001 (278 %)	8	+31 (278 %)	.040	6.7470
WAE	.003	.000-.005 (93 %)	92	17-167 (81 %)	.681	1.7247
WHC	.009	+-.021 (131 %)	194	65-323 (67 %)	1.437	.3076
MSC	.007	.003-.010 (52 %)	190	125-255 (34 %)	1.407	.5250
TOT	.102	.084-.120 (18 %)	2965	2596-3334 (12 %)	21.963	.4352

TABLE 1991

DAYTIME DATA FOR LAKE=JOHNSON CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.3	4.2 - 4.5 (4%)	.5	12.6	673
SHORE	2.1	2 - 2.3 (6%)	.3	11	559
BOAT & SHORE	3.3	3.2 - 3.5 (4%)	.3	12.6	1232

429 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
62.8% OF ALL 1963 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	21.5	20.9 - 22.2 (3%)	1	362	1949
SUCCESS RATING 1-10?	3.6	3.5 - 3.8 (4%)	1	10	1775

IS CATCH ILLEGAL?

CLERK NOTED 6 OUT OF 1963 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	641 (32.7%)	CRP	161 (8.2%)
BSS	734 (37.4%)	CAT	316 (16.1%)
BLG	85 (4.3%)	CCF	11 (.6%)
SMB	1 (.1%)	CAP	1 (.1%)
WAE	7 (.4%)	SUN	6 (.3%)

PARTY SIZE VS. # INTERVIEWS

BOAT	# INTERVIEWS	SHORE	# INTERVIEWS
1	224	1	383
2	641	2	364
3	143	3	127
4	23	4	32
5		5	11
6	1	6	9
7		7	3
8		8	2
9		9	
10+		10+	

HARVESTED AND CPUE TABLE

*** DAY ***

REGION :=5 LAKE :=JONES
 DISTRICT :=17 YEAR :=91
 ACREAGE :99 SAMPLING RATIO :=690/1476 = 46.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 4358.5/17415.1 = 25.02%
 NUMBER OF INTERVIEWS: 1440

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:

BLB WAM
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVEST	95% CI	#/HA	#/ACRE
BLC	.140	.098-.181 (30 %)	1584	1215-1953 (23 %)	39.54	16.00
BLG	.401	.337-.465 (16 %)	8261	7152-9370 (13 %)	206.18	83.44
CCF	.194	.164-.223 (15 %)	3337	2899-3775 (13 %)	83.29	33.71
GSF	.008	.001-.015 (82 %)	128	37-218 (71 %)	3.18	1.29
LMB	.059	.041-.077 (31 %)	1122	835-1409 (26 %)	28.01	11.34
RSF	.052	.032-.073 (40 %)	1257	901-1613 (28 %)	31.37	12.70
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.000	+- .000 (204 %)	12	+ -35 (200 %)	.29	.12
TOT	.854	.770-.938 (10 %)	15700	14336-17064 (9 %)	391.86	158.59

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BLC	.038	.026-.050 (31 %)	416	319-514 (23 %)	10.387	262.7
BLG	.034	.028-.039 (16 %)	690	600-780 (13 %)	17.218	83.5
CCF	.063	.053-.072 (16 %)	1086	935-1236 (14 %)	27.096	325.3
GSF	.000	.000-.001 (83 %)	10	3-17 (71 %)	.254	79.9
LMB	.045	.031-.058 (30 %)	889	659-1119 (26 %)	22.193	792.4
RSF	.006	.004-.008 (37 %)	138	100-176 (28 %)	3.445	109.8
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.000	+- .000 (201 %)	1	+ -4 (202 %)	.030	103.2
TOT	.186	.167-.205 (10 %)	3230	2945-3515 (9 %)	80.622	205.7

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.085	.058-.111 (31 %)	917	702-1133 (23 %)	9.267	.5791
BLG	.075	.062-.087 (16 %)	1521	1323-1719 (13 %)	15.362	.1841
CCF	.138	.117-.160 (16 %)	2393	2062-2725 (14 %)	24.175	.7173
GSF	.001	.000-.003 (83 %)	22	7-38 (71 %)	.227	.1762
LMB	.099	.069-.128 (30 %)	1960	1454-2467 (26 %)	19.800	1.7469
RSF	.013	.008-.018 (37 %)	304	220-388 (28 %)	3.073	.2421
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.000	+- .000 (201 %)	3	+ -8 (202 %)	.027	.2275
TOT	.411	.369-.452 (10 %)	7121	6493-7749 (9 %)	71.931	.4536

TABLE 1991 JONES COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=JONES CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	2.8	2.7 - 2.9 (3%)	1.3	6.1	278
SHORE	2	1.8 - 2.2 (9%)	1	3	45
BOAT & SHORE	2.7	2.6 - 2.8 (3%)	1	6.1	323

113 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 24.3% OF ALL 1331 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	36.6	33 - 40.2 (10%)	1	800	1267
SUCCESS RATING 1-10?	6.2	6.1 - 6.4 (3%)	1	10	1102

IS CATCH ILLEGAL?

CLERK NOTED 1 OUT OF 1331 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	399 (30%)	BLC	99 (7.4%)
LMB	398 (29.9%)	BLG	196 (14.7%)
CCF	230 (17.3%)	RSF	9 (.7%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	244	1	156
2	453	2	272
3	63	3	87
4	10	4	33
5	1	5	6
6		6	4
7		7	1
8		8	1
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=KINKAID
 DISTRICT :=18 YEAR :=91
 ACREAGE :=2510 SAMPLING RATIO :=1050/5904 = 17.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 10459/111277 = 9.39%
 NUMBER OF INTERVIEWS: 2680

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 4
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 4 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 4
 YEAR PERIOD 03/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 03/01 TO 05/31 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 4
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 4
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 4
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 4
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 4

MSC SPECIES CAUGHT:

ROB WAM LOS CAP YEB BLB GSF RES SBH SMB STB
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/ShORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.000	.000-.000 (78 %)	365	112-618 (69 %)	.36	.15
BLG	.237	.135-.340 (43 %)	37573	30161-44986 (20 %)	36.99	14.97
CCF	.005	.001-.008 (74 %)	718	419-1016 (42 %)	.71	.29
LMB	.004	.002-.007 (62 %)	963	427-1499 (56 %)	.95	.39
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.002	.000-.004 (64 %)	1240	255-2225 (79 %)	1.22	.50
WAE	.000	+- .000 (196 %)	56	+125 (122 %)	.06	.02
WHB	.003	.000-.005 (78 %)	678	64-1293 (91 %)	.67	.27
WHC	.082	.047-.117 (42 %)	18994	14286-23702 (25 %)	18.70	7.57
MSC	.022	+- .053 (141 %)	3335	1823-4848 (45 %)	3.28	1.33
TOT	.356	.250-.461 (30 %)	63924	54542-73305 (15 %)	62.93	25.47

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	.000-.000 (75 %)	65	21-109 (68 %)	.064	177.6
BLG	.019	.010-.028 (46 %)	3050	2429-3671 (20 %)	3.003	81.2
CCF	.002	.001-.004 (59 %)	475	270-680 (43 %)	.467	661.7
LMB	.004	.002-.007 (58 %)	1137	732-1543 (36 %)	1.120	1180.9
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.000	.000-.000 (64 %)	175	40-310 (77 %)	.173	141.4
WAE	.000	+- .000 (261 %)	50	+135 (169 %)	.050	894.5
WHB	.000	.000-.001 (81 %)	172	26-317 (85 %)	.169	253.0
WHC	.015	.009-.021 (39 %)	3793	2749-4836 (28 %)	3.734	199.7
MSC	.005	+- .012 (143 %)	936	385-1488 (59 %)	.922	280.7
TOT	.047	.036-.058 (24 %)	9854	8498-11210 (14 %)	9.701	154.2

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	.000-.000 (75 %)	143	46-240 (68 %)	.057	.3916
BLG	.042	.023-.061 (46 %)	6725	5356-8093 (20 %)	2.679	1.1790
CCF	.006	.002-.009 (59 %)	1047	595-1499 (43 %)	.417	1.4587
LMB	.009	.004-.014 (58 %)	2508	1614-3402 (36 %)	.999	2.6034
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.000	.000-.001 (64 %)	387	89-684 (77 %)	.154	.3117
WAE	.000	+- .002 (261 %)	111	+298 (169 %)	.044	1.9719
WHB	.002	.000-.003 (81 %)	378	58-699 (85 %)	.151	.5579
WHC	.033	.020-.046 (39 %)	8362	6061-10662 (28 %)	3.331	1.4402
MSC	.011	+- .026 (143 %)	2064	849-3280 (59 %)	.822	1.6189
TOT	.103	.079-.128 (24 %)	21724	18735-24713 (14 %)	8.655	1.3398

TABLE 1991 KINKAID COMPLETE DAY CREEL
DAYTIME DATA FOR LAKE=KINKAID CREEL BEGUN IN YEAR=91

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31
SECTION 1	FROM	11/01	TO	11/15
SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 2	FROM	11/01	TO	11/15
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31
SECTION 3	FROM	11/01	TO	11/15
SECTION 4	FROM	03/15	TO	04/08
SECTION 4	FROM	04/09	TO	04/30
SECTION 4	FROM	05/01	TO	05/31
SECTION 4	FROM	06/01	TO	06/15
SECTION 4	FROM	06/16	TO	08/31
SECTION 4	FROM	09/01	TO	09/30
SECTION 4	FROM	10/01	TO	10/31
SECTION 4	FROM	11/01	TO	11/15

TABLE 1991 KINKAID COMPLETE DAY CREEL CONTINUED
 DAYTIME DATA FOR LAKE=KINKAID CREEL BEGUN IN YEAR=91

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.1	3.7 - 4.6 (12%)	.3	9	67
SHORE	.8	-	.8	.8	1
BOAT & SHORE	4.1	3.6 - 4.6 (12%)	.3	9	68

41 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 2.5% OF ALL 2733 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	64.9	62.9 - 66.9 (3%)	0	900	2725
SUCCESS RATING 1-10?	3.7	3.6 - 3.7 (2%)	1	10	2715

IS CATCH ILLEGAL?

CLERK NOTED 4 OUT OF 2733 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT		PARTY SIZE VS. # INTERVIEWS	
		BOAT	SHORE
ANY	322 (11.8%)	1	26
LMB	1540 (56.3%)	2	20
WHC	294 (10.8%)	3	6
SUN	31 (1.1%)	4	1
CAT	13 (.5%)	5	
CAP	15 (.5%)	6	
LBM	1 (0%)	7	
		8	
		9	
		10+	
BLG	282 (10.3%)		
CCF	39 (1.4%)		
CRP	171 (6.3%)		
SMB	1 (0%)		
WAE	2 (.1%)		
WHB	18 (.7%)		
MUE	4 (.1%)		

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=1 LAKE :=CARLTON
 DISTRICT :=01 YEAR :=91
 ACREAGE :71 SAMPLING RATIO :=706/1914 = 36.8%
 RATIO OF EFFORT HOURS INTERVIEWED := 15285.2/46864.4 = 32.61%
 NUMBER OF INTERVIEWS: 3153

COMBINED ACROSS STRATA:

YEAR PERIOD 01/01 TO 02/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 02/16 TO 03/14 OF SECTION 1
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:
 GSF BGH BLB
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.313	.204-.422 (35 %)	13035	10857-15213 (17 %)	453.65	183.59
BLG	.177	.117-.237 (34 %)	10740	8748-12733 (19 %)	373.78	151.27
CCF	.004	.002-.005 (47 %)	354	225-483 (36 %)	12.33	4.99
LMB	.001	.000-.002 (63 %)	106	55-157 (48 %)	3.68	1.49
MUE	.000	.000-.000 (95 %)	14	2-27 (89 %)	.49	.20
RSF	.003	.002-.005 (50 %)	275	159-391 (42 %)	9.56	3.87
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.000	+-.000 (138 %)	20	1-39 (95 %)	.69	.28
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.003	+-.010 (258 %)	62	+169 (171 %)	2.17	.88
TOT	.501	.379-.623 (24 %)	24606	21444-27768 (13 %)	856.35	346.56

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.035	.023-.047 (34 %)	1492	1242-1743 (17 %)	51.942	114.5
BLG	.013	.008-.017 (35 %)	763	621-905 (19 %)	26.561	71.1
CCF	.002	.000-.003 (49 %)	205	110-300 (47 %)	7.136	578.9
LMB	.001	.000-.002 (63 %)	105	55-154 (47 %)	3.646	990.5
MUE	.000	+-.000 (110 %)	53	-105 (99 %)	1.838	3742.7
RSF	.000	.000-.000 (59 %)	51	21-81 (59 %)	1.781	186.2
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.000	+-.000 (123 %)	21	2-41 (91 %)	.740	1071.1
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.000	+-.002 (267 %)	10	+32 (210 %)	.356	163.7
TOT	.052	.039-.065 (24 %)	2701	2363-3039 (13 %)	93.999	109.8

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.077	.051-.104 (34 %)	3290	2739-3842 (17 %)	46.342	.2524
BLG	.028	.018-.037 (35 %)	1683	1370-1995 (19 %)	23.698	.1567
CCF	.004	.002-.006 (49 %)	452	242-662 (47 %)	6.366	1.2763
LMB	.003	.000-.004 (63 %)	231	122-340 (47 %)	3.253	2.1836
MUE	.000	+-.001 (110 %)	116	1-232 (99 %)	1.640	8.2512
RSF	.001	.000-.002 (59 %)	113	46-179 (59 %)	1.589	.4105
TGM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.000	+-.001 (123 %)	47	4-90 (91 %)	.660	2.3613
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.001	+-.004 (267 %)	23	+70 (210 %)	.317	.3609
TOT	.115	.087-.143 (24 %)	5955	5209-6701 (13 %)	83.866	.2420

TABLE 1991 CARLTON COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE-CARLTON CREEL BEGUN IN YEAR=91

SECTION 1 FROM	01/01	TO	02/15
SECTION 1 FROM	02/16	TO	03/14
SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:							
	MEAN	95% CONF. INTVL. OF MEAN			MIN.	MAX.	#SAMPLES
BOAT	4	3.8 - 4.1	(3%)	.5	12.8	1083	
SHORE	2.4	2.3 - 2.6	(6%)	.5	12.3	437	
BOAT & SHORE	3.5	3.4 - 3.6	(3%)	.5	12.8	1520	

714 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 60.7% OF ALL 2504 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:							
QUESTION	MEAN	95% CONF. INTVL. OF MEAN			MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	45	43 - 46.9	(4%)	1	400	2501	
SUCCESS RATING 1-10?	3.5	3.3 - 3.6	(3%)	1	10	2495	

IS CATCH ILLEGAL?
 CLERK NOTED 1 OUT OF 2504 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT		SHORE	
ANY	973 (38.9%)	BLG	178 (7.1%)	1	366	1	266
BLC	381 (15.2%)	LMB	363 (14.5%)	2	935	2	294
MUE	437 (17.5%)	WAE	46 (1.8%)	3	298	3	123
CCF	119 (4.8%)	CRP	6 (.2%)	4	76	4	76
BSS	1 (0%)			5	14	5	27
				6	1	6	16
				7		7	7
				8		8	3
				9		9	
				10+		10+	2

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=JACKSONVILLE
 DISTRICT :=11 YEAR :=91
 ACREAGE :=455 SAMPLING RATIO :=584/1236 = 47.2%
 RATIO OF EFFORT HOURS INTERVIEWED := 6467.8/27591.4 = 23.44%
 NUMBER OF INTERVIEWS: 1872

COMBINED ACROSS STRATA:

YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:
 YEB SBH CAP BLB BRH GZS WHB
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.002	+-.005 (218 %)	46	+147 (218 %)	.25	.10
BLG	.035	.020-.049 (42 %)	1300	823-1778 (37 %)	7.06	2.86
CCF	.022	.012-.031 (46 %)	656	449-863 (32 %)	3.56	1.44
GSF	.024	.012-.037 (52 %)	831	526-1136 (37 %)	4.52	1.83
LMB	.007	.003-.011 (60 %)	401	270-532 (33 %)	2.18	.88
RSF	.000	+-.000 (148 %)	17	+35 (108 %)	.09	.04
WAM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.009	+-.024 (158 %)	243	79-407 (68 %)	1.32	.54
YLB	.019	+-.061 (214 %)	247	+618 (151 %)	1.34	.54
MSC	.027	.007-.047 (73 %)	809	454-1165 (44 %)	4.40	1.78
TOT	.145	.089-.201 (39 %)	4551	3602-5500 (21 %)	24.71	10.00

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	+-.000 (218 %)	3	+10 (218 %)	.017	67.2
BLG	.002	.001-.003 (43 %)	101	51-151 (49 %)	.550	77.9
CCF	.013	.007-.019 (47 %)	402	266-539 (34 %)	2.185	613.3
GSF	.001	.000-.002 (42 %)	52	33-70 (36 %)	.282	62.4
LMB	.008	.003-.012 (59 %)	430	289-571 (33 %)	2.334	1071.9
RSF	.000	+-.000 (216 %)	3	+6 (146 %)	.014	154.1
WAM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.002	+-.007 (208 %)	55	+111 (100 %)	.300	227.9
YLB	.000	+-.002 (217 %)	6	+15 (157 %)	.032	23.9
MSC	.008	.003-.013 (64 %)	244	143-344 (41 %)	1.323	300.9
TOT	.035	.024-.046 (31 %)	1296	1046-1546 (19 %)	7.037	284.7

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	+-.000 (218 %)	7	+22 (218 %)	.015	.1482
BLG	.005	.003-.007 (43 %)	223	113-334 (49 %)	.491	.1717
CCF	.028	.015-.042 (47 %)	887	586-1188 (34 %)	1.950	1.3521
GSF	.003	.002-.004 (42 %)	114	74-155 (36 %)	.251	.1375
LMB	.017	.007-.027 (59 %)	948	637-1258 (33 %)	2.083	2.3631
RSF	.000	+-.000 (216 %)	6	+14 (146 %)	.013	.3397
WAM		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.005	+-.016 (208 %)	122	+244 (100 %)	.268	.5025
YLB	.001	+-.003 (217 %)	13	+33 (157 %)	.029	.0526
MSC	.017	.006-.028 (64 %)	537	315-759 (41 %)	1.180	.6634
TOT	.077	.053-.100 (31 %)	2857	2306-3408 (19 %)	6.279	.6277

TABLE 1991 JACKSONVILLE COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=JACKSONVILLE CREEL BEGUN IN YEAR=91

SECTION 1 FROM 04/09 TO 04/30
 SECTION 1 FROM 05/01 TO 05/31
 SECTION 1 FROM 06/01 TO 06/15
 SECTION 1 FROM 06/16 TO 08/31
 SECTION 1 FROM 09/01 TO 09/30
 SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.3	4.1 - 4.4 (4%)	.9	10.4	348
SHORE	2.5	2 - 3 (19%)	1.1	4.3	17
BOAT & SHORE	4.2	4 - 4.4 (4%)	.9	10.4	365

273 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 22.5% OF ALL 1620 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	10.6	9.9 - 11.4 (7%)	1	200	1617
SUCCESS RATING 1-10?	2.8	2.7 - 2.9 (4%)	1	10	1616

IS CATCH ILLEGAL?

CLERK NOTED 1 OUT OF 1620 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	339 (20.9%)	LMB	912 (56.3%)
CCF	296 (18.3%)	CRP	43 (2.7%)
BLG	21 (1.3%)	CAT	9 (.6%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	402	1	134
2	711	2	188
3	69	3	80
4	18	4	16
5		5	2
6		6	
7		7	
8		8	
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=SPRINGFIELD
 DISTRICT :=11 YEAR :=91
 ACREAGE :=3826 SAMPLING RATIO :=1098/4428 = 24.7%
 RATIO OF EFFORT HOURS INTERVIEWED := 3792.1/52485.3 = 7.22%
 NUMBER OF INTERVIEWS: 1742

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 3

MSC SPECIES CAUGHT:
 G2S CAP YEB FCF BLB BGH
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.058	.026-.089 (55 %)	6568	2610-10526 (60 %)	4.24	1.72
CCF	.190	.155-.225 (19 %)	13354	11271-15436 (16 %)	8.62	3.49
FRD	.002	+-0.008 (230 %)	169	+358 (112 %)	.11	.05
LMB	.021	.012-.030 (43 %)	1298	819-1776 (37 %)	.84	.34
WAE	.002	+-0.006 (278 %)	25	+95 (278 %)	.02	.00
WHB	.040	.016-.064 (59 %)	7850	+17511 (123 %)	5.07	2.05
WHC	.106	.081-.131 (23 %)	10516	7762-13270 (26 %)	6.79	2.75
YLB	.000	+-0.000 (220 %)	21	+58 (180 %)	.01	.00
MSC	.123	+-0.349 (183 %)	2322	723-3921 (69 %)	1.50	.61
TOT	.543	.320-.765 (41 %)	42122	33125-51119 (21 %)	27.20	11.01

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.001	.000-.002 (51 %)	175	74-276 (58 %)	.113	26.7
CCF	.079	.062-.096 (22 %)	5535	4599-6470 (17 %)	3.574	414.5
FRD	.007	+-0.030 (308 %)	168	+589 (250 %)	.109	998.0
LMB	.025	.013-.036 (46 %)	1486	886-2086 (40 %)	.960	1145.1
WAE	.001	+-0.004 (278 %)	17	+63 (278 %)	.011	656.8
WHB	.007	.003-.011 (60 %)	1370	+2959 (116 %)	.885	174.6
WHC	.019	.015-.024 (24 %)	1874	1387-2362 (26 %)	1.211	178.2
YLB	.000	+-0.000 (274 %)	4	+14 (246 %)	.003	190.7
MSC	.010	.001-.019 (86 %)	431	182-680 (58 %)	.279	185.7
TOT	.150	.122-.179 (19 %)	11061	9329-12793 (16 %)	7.143	262.6

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.003	.002-.005 (51 %)	386	164-609 (58 %)	.101	.0588
CCF	.175	.137-.213 (22 %)	12202	10140-14263 (17 %)	3.189	.9137
FRD	.016	+-0.065 (308 %)	371	+1298 (250 %)	.097	2.2002
LMB	.055	.030-.080 (46 %)	3276	1954-4598 (40 %)	.856	2.5245
WAE	.002	+-0.009 (278 %)	36	+138 (278 %)	.010	1.4481
WHB	.016	.006-.025 (60 %)	3021	+6524 (116 %)	.790	.3848
WHC	.042	.032-.053 (24 %)	4132	3057-5208 (26 %)	1.080	.3930
YLB	.000	+-0.000 (274 %)	9	+30 (246 %)	.002	.4203
MSC	.023	.003-.042 (86 %)	951	402-1499 (58 %)	.248	.4095
TOT	.331	.269-.394 (19 %)	24384	20566-28203 (16 %)	6.373	.5789

TABLE 1991 SPRINGFIELD COMPLETE DAY CREEL
DAYTIME DATA FOR LAKE=SPRINGFIELD CREEL BEGUN IN YEAR=91

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31
SECTION 1	FROM	11/01	TO	11/15
SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 2	FROM	11/01	TO	11/15
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31
SECTION 3	FROM	11/01	TO	11/15

TABLE 1991 SPRINGFIELD COMPLETE DAY CREEL CONTINUED
 DAYTIME DATA FOR LAKE=SPRINGFIELD CREEL BEGUN IN YEAR=91

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3	2.6 - 3.5 (15%)	.8	9	65
SHORE	1.2	.7 - 1.6 (37%)	.5	2.5	11
BOAT & SHORE	2.7	2.3 - 3.2 (15%)	.5	9	76

6 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 4.4% OF ALL 1736 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	6.2	6 - 6.3 (3%)	0	30	1719
SUCCESS RATING 1-10?	3	2.9 - 3 (3%)	1	10	1727

IS CATCH ILLEGAL?

CLERK NOTED 3 OUT OF 1736 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT		PARTY SIZE VS. # INTERVIEWS			
		BOAT	SHORE		
ANY	344 (19.8%)	1	178	1	490
CCF	677 (39%)	2	550	2	325
LMB	254 (14.6%)	3	76	3	51
CAP	12 (.7%)	4	2	4	51
BLG	11 (.6%)	5		5	
CAT	2 (.1%)	6		6	12
		7		7	
		8		8	
		9		9	
		10+		10+	1

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=PITTSFIELD
 DISTRICT :=10 YEAR :=91
 ACREAGE :213 SAMPLING RATIO :=696/1476 = 47.1%
 RATIO OF EFFORT HOURS INTERVIEWED := 9568.7/30072.7 = 31.81%
 NUMBER OF INTERVIEWS: 2504

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:

'BLB YEB WHB FCF CAP GZS
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND; WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BGH	.003	.000-.006 (91 %)	149	41-256 (73 %)	1.72	.70
BLC	.060	.034-.085 (43 %)	1585	1147-2024 (28 %)	18.39	7.44
BLG	.086	.058-.113 (32 %)	3741	2694-4788 (28 %)	43.40	17.56
CCF	.022	.013-.031 (40 %)	541	372-711 (31 %)	6.28	2.54
GSF	.021	.011-.030 (48 %)	898	528-1267 (41 %)	10.41	4.22
LMB	.005	.003-.008 (50 %)	344	143-544 (58 %)	3.99	1.62
SBH	.002	.000-.003 (57 %)	88	39-138 (56 %)	1.02	.42
WAE	.008	.003-.013 (64 %)	239	151-327 (37 %)	2.77	1.12
WHC	.436	.365-.507 (16 %)	12882	11031-14733 (14 %)	149.44	60.48
MSC	.024	.008-.040 (67 %)	688	403-973 (41 %)	7.98	3.23
TOT	.666	.574-.757 (14 %)	21154	18584-23724 (12 %)	245.40	99.31

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AUG WT(G)
BGH	.000	.000-.000 (86 %)	14	2-26 (83 %)	.163	94.6
BLC	.009	.005-.012 (38 %)	232	172-293 (26 %)	2.695	146.6
BLG	.006	.004-.008 (32 %)	267	190-345 (29 %)	3.101	71.4
CCF	.019	.010-.027 (47 %)	427	265-588 (38 %)	4.950	788.1
GSF	.002	.000-.002 (48 %)	76	43-109 (43 %)	.885	85.0
LMB	.004	.000-.008 (81 %)	237	42-431 (82 %)	2.746	688.6
SBH	.002	.001-.004 (54 %)	127	59-194 (53 %)	1.468	1435.8
WAE	.007	.001-.013 (81 %)	209	130-288 (38 %)	2.422	874.9
WHC	.057	.048-.066 (16 %)	1696	1465-1927 (14 %)	19.672	131.6
MSC	.008	.004-.012 (48 %)	250	160-340 (36 %)	2.900	363.4
TOT	.115	.099-.130 (14 %)	3534	3140-3929 (11 %)	41.001	167.1

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AUG WT(LB)
BGH	.000	.000-.001 (86 %)	31	5-57 (83 %)	.145	.2086
BLC	.019	.012-.027 (38 %)	512	379-645 (26 %)	2.405	.3231
BLG	.013	.009-.017 (32 %)	589	418-760 (29 %)	2.766	.1575
CCF	.041	.022-.060 (47 %)	941	584-1297 (38 %)	4.416	1.7374
GSF	.004	.002-.006 (48 %)	168	95-241 (43 %)	.790	.1874
LMB	.009	.002-.017 (81 %)	522	93-951 (82 %)	2.450	1.5182
SBH	.005	.002-.008 (54 %)	279	130-428 (53 %)	1.310	3.1654
WAE	.016	.003-.029 (81 %)	460	286-635 (38 %)	2.161	1.9288
WHC	.127	.107-.147 (16 %)	3738	3229-4248 (14 %)	17.551	.2902
MSC	.017	.009-.026 (48 %)	551	352-751 (36 %)	2.588	.8012
TOT	.253	.218-.287 (14 %)	7792	6923-8661 (11 %)	36.581	.3683

TABLE 1991 PITTSFIELD COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=PITTSFIELD CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.1	3.9 - 4.4 (5%)	.8	11.8	435
SHORE	1.9	1.8 - 2.1 (7%)	.3	9.1	381
BOAT & SHORE	3.1	3 - 3.3 (5%)	.3	11.8	816

354 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 36.7% OF ALL 2223 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	25.5	23.3 - 27.7 (9%)	1	900	2193
SUCCESS RATING 1-10?	3.2	3.1 - 3.4 (3%)	1	10	2172

IS CATCH ILLEGAL?

CLERK NOTED 17 OUT OF 2223 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	565 (25.4%)	CRP	733 (33%)
WAE	49 (2.2%)	LMB	287 (12.9%)
SBH	48 (2.2%)	CCF	2 (.1%)
CAT	488 (22%)	BLG	14 (.6%)
CAP	31 (1.4%)	BSS	4 (.2%)
SUN	1 (0%)	GZS	1 (0%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	327	1	428
2	593	2	442
3	117	3	131
4	22	4	108
5	2	5	20
6		6	17
7		7	8
8		8	1
9		9	4
10+		10+	3

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=RAMSEY
 DISTRICT :=14 YEAR :=91
 ACREAGE :=55 SAMPLING RATIO :=672/1476 = 45.5%
 RATIO OF EFFORT HOURS INTERVIEWED := 4853.2/14444.1 = 33.59%
 NUMBER OF INTERVIEWS: 745

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:

YEB
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BGH	.001	+-.005 (215 %)	34	+74 (115 %)	1.54	.62
BLG	.673	.532-.814 (21 %)	20348	15654-25041 (23 %)	914.15	369.95
BWH	.003	+-.009 (198 %)	134	+366 (174 %)	6.00	2.43
CCF	.017	.005-.030 (69 %)	468	275-660 (41 %)	21.01	8.50
GSF	.000	+-.002 (119 %)	64	5-122 (92 %)	2.86	1.16
LMB	.004	+-.011 (149 %)	65	28-102 (57 %)	2.93	1.19
RSF	.034	.023-.045 (32 %)	1414	983-1846 (31 %)	63.54	25.71
MSC	.000	+-.000 (218 %)	2	+8 (218 %)	.11	.05
TOT	.734	.586-.882 (20 %)	22528	17400-27657 (23 %)	1012.12	409.60

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BGH	.000	+-.000 (225 %)	4	+9 (125 %)	.184	119.9
BLG	.055	.044-.067 (21 %)	1715	1322-2108 (23 %)	77.060	81.3
BWH	.001	+-.004 (256 %)	47	+161 (239 %)	2.132	355.5
CCF	.012	.005-.019 (60 %)	319	190-447 (40 %)	14.318	681.6
GSF	.000	.000-.000 (68 %)	7	+14 (103 %)	.316	110.8
LMB	.004	.000-.007 (96 %)	58	24-93 (59 %)	2.619	895.0
RSF	.006	.004-.007 (33 %)	229	158-300 (31 %)	10.295	162.0
MSC	.000	+-.000 (218 %)	2	+2 (218 %)	.032	303.5
TOT	.078	.062-.093 (20 %)	2381	1871-2890 (21 %)	106.958	105.7

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BGH	.000	+-.001 (225 %)	9	+20 (125 %)	.165	.2643
BLG	.122	.096-.148 (21 %)	3781	2915-4648 (23 %)	68.753	.1858
BWH	.003	+-.009 (256 %)	105	+355 (239 %)	1.902	.7837
CCF	.026	.010-.041 (60 %)	703	420-986 (40 %)	12.775	1.5028
GSF	.000	.000-.000 (68 %)	16	+31 (103 %)	.282	.2443
LMB	.008	.000-.015 (96 %)	129	52-205 (59 %)	2.337	1.9730
RSF	.012	.008-.016 (33 %)	505	348-662 (31 %)	9.185	.3572
MSC	.000	+-.000 (218 %)	2	+5 (218 %)	.029	.6691
TOT	.171	.137-.205 (20 %)	5249	4126-6371 (21 %)	95.428	.2330

TABLE 1991 RAMSEY COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=RAMSEY CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.9	3.8 - 4.1 (4%)	.5	12	461
SHORE	2	1.7 - 2.3 (13%)	.2	9	154
BOAT & SHORE	3.4	3.3 - 3.6 (4%)	.2	12	615

53 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 87.6% OF ALL 702 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	56.4	51.3 - 61.5 (9%)	2	900	702
SUCCESS RATING 1-10?	6.2	6 - 6.3 (3%)	1	10	693

IS CATCH ILLEGAL?

CLERK NOTED 0 OUT OF 702 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	267 (38%)	BWH	13 (1.9%)
LMB	70 (10%)	BLG	315 (44.9%)
CCF	37 (5.3%)		

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	99	1	77
2	264	2	80
3	78	3	34
4	33	4	15
5	3	5	9
6	3	6	2
7		7	1
8	1	8	2
9		9	
10+		10+	1

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=5 LAKE :=REND
 DISTRICT :=16 YEAR :=91
 ACREAGE :=16135 SAMPLING RATIO :=1450/7380 = 19.6%
 RATIO OF EFFORT HOURS INTERVIEWED := 6948.1/117126.3 = 5.93%
 NUMBER OF INTERVIEWS: 2039

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 4 COALESCED WITH
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 5
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 4 COALESCED WITH
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 5
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 2 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 4 COALESCED WITH
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 5
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 4
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3 COALESCED WITH
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 5
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 4 COALESCED WITH
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 5
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 4
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 4
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 4
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 5
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 5
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 5

MSC SPECIES CAUGHT:
 GSF FRD PUD CAP YLB BCF BLB YEB SAB WAM
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND; WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE		
BLC	.008	.004-.013	(47 %)	3570	1923-5216	(46 %)	.55	.22
BLG	.155	.102-.209	(34 %)	29003	20940-37066	(28 %)	4.44	1.80
CCF	.058	.038-.078	(34 %)	9818	7265-12371	(26 %)	1.50	.61
FCF	.000	+-0.000	(577 %)	36	+-390	(982 %)	.00	.00
LMB	.003	.001-.005	(58 %)	1033	486-1581	(53 %)	.16	.07
SBH	.000	+-0.000	(245 %)	197	+-679	(245 %)	.03	.01
STB	.000	+-0.000	(183 %)	68	+-177	(160 %)	.01	.00
WHB	.002	+-0.006	(257 %)	142	+-351	(147 %)	.02	.01
WHC	.170	.126-.213	(25 %)	37301	29067-45535	(22 %)	5.71	2.31
MSC	.002	.000-.003	(99 %)	376	95-657	(75 %)	.06	.03
TOT	.398	.329-.467	(17 %)	81545	69498-93591	(15 %)	12.49	5.06

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)		
BLC	.001	.000-.002	(46 %)	579	319-840	(45 %)	.089	162.3
BLG	.009	.007-.012	(29 %)	2009	1371-2647	(32 %)	.308	69.3
CCF	.026	.016-.036	(40 %)	5101	3596-6606	(30 %)	.781	519.6
FCF	.000	+-0.000	(710 %)	13	+-148	(102 %)	.002	362.8
LMB	.003	.000-.004	(60 %)	906	426-1387	(53 %)	.139	877.3
SBH	.000	+-0.000	(245 %)	36	+-124	(245 %)	.006	182.4
STB	.000	+-0.000	(220 %)	35	+-110	(212 %)	.005	518.1
WHB	.000	+-0.000	(151 %)	37	+-81	(119 %)	.006	261.7
WHC	.022	.017-.028	(24 %)	5839	4463-7216	(24 %)	.894	156.5
MSC	.000	.000-.000	(86 %)	90	+-181	(102 %)	.014	238.2
TOT	.062	.051-.074	(18 %)	14647	12333-16960	(16 %)	2.243	179.6

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)		
BLC	.003	.002-.004	(46 %)	1277	703-1852	(45 %)	.079	.3578
BLG	.020	.014-.026	(29 %)	4429	3022-5837	(32 %)	.275	.1527
CCF	.058	.035-.080	(40 %)	11246	7929-14564	(30 %)	.697	1.1454
FCF	.000	+-0.000	(710 %)	29	+-326	(102 %)	.002	.7997
LMB	.006	.002-.009	(60 %)	1998	938-3058	(53 %)	.124	1.9341
SBH	.000	+-0.000	(245 %)	79	+-273	(245 %)	.005	.4021
STB	.000	+-0.001	(220 %)	78	+-242	(212 %)	.005	1.1423
WHB	.000	+-0.002	(151 %)	82	+-179	(119 %)	.005	.5770
WHC	.049	.037-.061	(24 %)	12874	9839-15908	(24 %)	.798	.3451
MSC	.000	.000-.001	(86 %)	197	+-398	(102 %)	.012	.5251
TOT	.138	.113-.163	(18 %)	32290	27190-37390	(16 %)	2.001	.3960

TABLE REND LAKE 1991 COMPLETE DAY CREEL
DAYTIME DATA FOR LAKE=REND CREEL BEGUN IN YEAR=91

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31
SECTION 1	FROM	11/01	TO	11/15
SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 2	FROM	11/01	TO	11/15
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31
SECTION 3	FROM	11/01	TO	11/15
SECTION 4	FROM	03/15	TO	04/08
SECTION 4	FROM	04/09	TO	04/30
SECTION 4	FROM	05/01	TO	05/31
SECTION 4	FROM	06/01	TO	06/15
SECTION 4	FROM	06/16	TO	08/31
SECTION 4	FROM	09/01	TO	09/30
SECTION 4	FROM	10/01	TO	10/31
SECTION 4	FROM	11/01	TO	11/15
SECTION 5	FROM	03/15	TO	04/08
SECTION 5	FROM	04/09	TO	04/30
SECTION 5	FROM	05/01	TO	05/31
SECTION 5	FROM	06/01	TO	06/15
SECTION 5	FROM	06/16	TO	08/31
SECTION 5	FROM	09/01	TO	09/30
SECTION 5	FROM	10/01	TO	10/31
SECTION 5	FROM	11/01	TO	11/15

TABLE REND LAKE 1991 COMPLETE DAY CREEL CONTINUED
 DAYTIME DATA FOR LAKE=REND CREEL BEGUN IN YEAR=91

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.4	4 - 4.8 (8%)	.5	10.9	182
SHORE	2	1.4 - 2.5 (27%)	.5	3.8	16
BOAT & SHORE	4.2	3.9 - 4.6 (8%)	.5	10.9	198

119 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 9.8% OF ALL 2019 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	32.7	30.5 - 35 (7%)	0	900	2018
SUCCESS RATING 1-10?	3.4	3.3 - 3.5 (3%)	1	10	2012

IS CATCH ILLEGAL?

CLERK NOTED 3 OUT OF 2019 INTERVIEWS HAD ILLEGAL CATCHES

INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	149 (7.4%)	WHC	459 (22.7%)
LMB	995 (49.3%)	BLG	125 (6.2%)
CRP	18 (.9%)	CCF	263 (13%)
WHB	7 (.3%)	STB	3 (.1%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	353	1	104
2	1284	2	53
3	172	3	24
4	21	4	5
5	1	5	
6		6	2
7		7	
8		8	
9		9	
10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=4 LAKE :=WASHINGTON COUNTY
 DISTRICT :=13 YEAR :=91
 ACREAGE :=245 SAMPLING RATIO :=708/1476 = 47.9%
 RATIO OF EFFORT HOURS INTERVIEWED := 7299.3/57771.4 = 12.63%
 NUMBER OF INTERVIEWS: 2181

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1
 YEAR PERIOD 11/01 TO 11/15 OF SECTION 1

MSC SPECIES CAUGHT:
 BOW
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.369	.313-.425 (15 %)	26004	21503-30506 (17 %)	262.27	106.14
CCF	.095	.076-.114 (20 %)	7891	6672-9110 (15 %)	79.58	32.21
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.033	.024-.041 (26 %)	2611	2109-3112 (19 %)	26.33	10.66
RSF	.018	.008-.028 (56 %)	1205	694-1717 (42 %)	12.16	4.92
WHC	.080	.053-.106 (33 %)	6562	5247-7876 (20 %)	66.18	26.78
YEB	.041	.030-.053 (27 %)	2288	1742-2834 (24 %)	23.08	9.34
MSC	.000	+-.000 (192 %)	12	+31 (151 %)	.13	.05
TOT	.636	.568-.704 (11 %)	46573	41101-52046 (12 %)	469.72	190.09

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.031	.026-.035 (15 %)	2176	1804-2548 (17 %)	21.944	83.7
CCF	.048	.038-.059 (22 %)	4180	3475-4885 (17 %)	42.160	529.8
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.028	.020-.036 (28 %)	2236	1758-2714 (21 %)	22.556	856.7
RSF	.002	.000-.004 (65 %)	148	87-210 (41 %)	1.495	123.0
WHC	.010	.005-.014 (47 %)	839	661-1016 (21 %)	8.458	127.8
YEB	.020	.015-.026 (27 %)	1140	865-1416 (24 %)	11.499	498.2
MSC	.000	+-.000 (188 %)		+2 (152 %)	.009	70.3
TOT	.140	.125-.155 (11 %)	10720	9639-11802 (10 %)	108.121	230.2

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.068	.057-.078 (15 %)	4797	3977-5616 (17 %)	19.578	.1845
CCF	.106	.083-.130 (22 %)	9216	7661-10770 (17 %)	37.615	1.1679
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.062	.045-.080 (28 %)	4931	3877-5984 (21 %)	20.125	1.8884
RSF	.005	.002-.009 (65 %)	327	191-462 (41 %)	1.334	.2712
WHC	.021	.011-.032 (47 %)	1849	1458-2240 (21 %)	7.547	.2818
YEB	.045	.033-.057 (27 %)	2514	1906-3121 (24 %)	10.259	1.0984
MSC	.000	+-.000 (188 %)	2	+5 (152 %)	.008	.1550
TOT	.308	.275-.341 (11 %)	23634	21249-26019 (10 %)	96.466	.5075

TABLE 1991 WASHINGTON CO. COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE WASHINGTON COUNTY CREEL BEGUN IN YEAR=91

SECTION 1 FROM	03/15	TO	04/08
SECTION 1 FROM	04/09	TO	04/30
SECTION 1 FROM	05/01	TO	05/31
SECTION 1 FROM	06/01	TO	06/15
SECTION 1 FROM	06/16	TO	08/31
SECTION 1 FROM	09/01	TO	09/30
SECTION 1 FROM	10/01	TO	10/31
SECTION 1 FROM	11/01	TO	11/15

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	2.5	2.4 - 2.6 (4%)	.5	6.5	606
SHORE	1.5	1.4 - 1.6 (6%)	.5	4	220
BOAT & SHORE	2.2	2.1 - 2.3 (3%)	.5	6.5	826

224 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 42% OF ALL 1969 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	31	30.4 - 31.7 (2%)	4	80	1967
SUCCESS RATING 1-10?	3.8	3.7 - 4 (4%)	1	10	1964

IS CATCH ILLEGAL?

CLERK NOTED 19 OUT OF 1969 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT		SHORE	
ANY	780 (39.6%)	LMB	488 (24.8%)	1	313	1	112
CAT	104 (5.3%)	WHC	128 (6.5%)	2	721	2	218
CCF	209 (10.6%)	BLG	258 (13.1%)	3	216	3	129
YEB	2 (.1%)			4	76	4	115
				5	9	5	47
				6	1	6	11
				7		7	1
				8		8	
				9		9	
				10+		10+	

HARVESTED AND CPUE TABLE *** DAY ***
 REGION :=3 LAKE :=WELDON SPRINGS
 DISTRICT :=08 YEAR :=91
 ACREAGE :29 SAMPLING RATIO :=550/1200 = 45.8%
 RATIO OF EFFORT HOURS INTERVIEWED := 7642/28420.6 = 26.88%
 NUMBER OF INTERVIEWS: 2929

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:
 BRH GZS GOS CAP BLB
 SUBSTRATUM:
 DAY PERIODS STRATIFIED
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED
 FISHING TYPE: BOAT/SHORE STRATIFIED
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.022	+-.046 (109 %)	392	208-577 (47 %)	33.41	13.52
BLG	.192	.123-.262 (36 %)	5884	4095-7674 (30 %)	501.36	202.90
BRB	.000	+-.001 (137 %)	19	+39 (106 %)	1.61	.65
CCF	.098	.081-.115 (18 %)	2451	2027-2874 (17 %)	208.81	84.51
GSF	.000	.000-.000 (96 %)	35	+73 (105 %)	3.02	1.22
LMB	.049	.033-.065 (33 %)	998	745-1251 (25 %)	85.03	34.41
RSF	.011	.006-.016 (47 %)	353	231-475 (35 %)	30.08	12.17
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.013	.006-.019 (50 %)	437	243-630 (44 %)	37.21	15.06
TOT	.387	.310-.464 (20 %)	10569	8592-12545 (19 %)	900.52	364.44

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.003	+-.007 (109 %)	60	31-88 (48 %)	5.087	152.3
BLG	.016	.011-.022 (34 %)	488	357-618 (27 %)	41.561	82.9
BRB	.000	+-.000 (155 %)	11	+22 (112 %)	.899	560.2
CCF	.037	.029-.045 (21 %)	885	697-1074 (21 %)	75.446	361.3
GSF	.000	+-.000 (116 %)	2	+5 (130 %)	.197	65.4
LMB	.041	.027-.055 (34 %)	812	611-1013 (25 %)	69.174	813.5
RSF	.002	.001-.004 (48 %)	74	47-100 (36 %)	6.281	208.8
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.002	.000-.002 (52 %)	59	29-89 (51 %)	5.060	136.0
TOT	.101	.085-.118 (16 %)	2391	2050-2732 (14 %)	203.705	226.2

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LI)
BLC	.007	+-.015 (109 %)	132	68-195 (48 %)	4.539	.3357
BLG	.035	.023-.047 (34 %)	1075	788-1363 (27 %)	37.081	.1828
BRB	.000	+-.002 (155 %)	23	+49 (112 %)	.802	1.2351
CCF	.081	.064-.099 (21 %)	1952	1537-2368 (21 %)	67.313	.7965
GSF	.000	+-.000 (116 %)	5	+12 (130 %)	.176	.1443
LMB	.090	.059-.120 (34 %)	1790	1347-2232 (25 %)	61.717	1.7934
RSF	.005	.003-.008 (48 %)	163	104-221 (36 %)	5.604	.4604
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.003	.002-.005 (52 %)	131	65-197 (51 %)	4.514	.2997
TOT	.223	.187-.260 (16 %)	5271	4519-6022 (14 %)	181.746	.4987

TABLE 1991 WELDON SPRINGS COMPLETE DAY CREEL
 DAYTIME DATA FOR LAKE=WELDON SPRINGS CREEL BEGUN IN YEAR=91

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30

HOURS PER COMPLETED TRIP:							
	MEAN	95% CONF. INTVL. OF MEAN			MIN.	MAX.	#SAMPLES
BOAT	2.7	2.5	-	2.9	(	7%)	.3 10 323
SHORE	1.5	1.4	-	1.6	(	5%)	.3 7.4 618
BOAT & SHORE	1.9	1.8	-	2	(	4%)	.3 10 941

241 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS
 34.6% OF ALL 2716 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:							
QUESTION	MEAN	95% CONF. INTVL. OF MEAN			MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	34.3	31.9	-	36.7	(	7%)	1 900 2708
SUCCESS RATING 1-10?	3.6	3.5	-	3.7	(	3%)	1 10 2643

IS CATCH ILLEGAL?
 CLERK NOTED 5 OUT OF 2716 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS							
				BOAT		SHORE					
ANY	874	(	32.2%)	LMB	659	(	24.3%)	1	148	1	984
BLG	234	(	8.6%)	BLC	85	(	3.1%)	2	353	2	707
CAT	110	(	4.1%)	CCF	561	(	20.7%)	3	65	3	241
SUN	190	(	7%)	BLB	1	(	0%)	4	29	4	127
RSF	1	(	0%)	WAE	1	(	0%)	5		5	32
								6		6	20
								7		7	4
								8	1	8	1
								9		9	
								10+		10+	4