

An Empirical Approach to Estimate Juvenile Salmon Entrainment over Fremont Weir

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NOTE TO THE READER

An Empirical Approach to Estimate Juvenile Salmon Entrainment over Fremont Weir evaluates the effects to Central Valley Chinook salmon (*Oncorhynchus tshawytscha*) of notching of the Fremont Weir in the Yolo Bypass, Yolo County. The report analyzes changes in juvenile fish entrainment onto the bypass under a weir notch configuration compared to current conditions. Juvenile salmon migrating down the Sacramento River and into the Sacramento-San Joaquin Rivers Delta benefit from access to now-rare floodplain habitat, exhibiting both increased growth and survival. The Yolo Bypass potentially offers floodplain habitat, if young fish have greater access. The analysis found notching at Fremont Weir would result in considerably greater entrainment of all four runs of Central Valley Chinook salmon and that the increase in availability to the floodplain is most notable during dry and critically dry water years.

This report presents the first empirical analysis of the effects of notching weirs and entrainment onto floodplain habitat in the Yolo Bypass. The analysis is a fundamental advancement in determining needed actions to improve juvenile salmon survival and health as they emigrate out of the Sacramento River Basin and into the Delta and finally to the ocean. This report will be an important reference for critical Central Valley and Delta projects, including the Sacramento River Flood Control Project, Central Valley and State Water projects, and Bay-Delta Conservation Plan.



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Acronyms and Abbreviations

BDCP	Bay Delta Conservation Plan
BiOp	Biological Opinion on the Long-Term Coordinated Operation of the Central Valley Project and State Water Project
CPUE	catch per unit effort
CDFW	California Department of Fish and Wildlife
DWR	California Department of Water Resources
FRC	fall-run Chinook salmon
LFRC	late fall-run Chinook salmon
NAVD 88	North American Vertical Datum 1988
P_e	proportion of juvenile salmon entrained under existing conditions
P_n	proportion of juvenile salmon entrained from the evaluated notching of Fremont Weir
RM	River Mile
SRC	spring-run Chinook salmon
WRC	winter-run Chinook salmon
WYT	water year type

Summary

The National Marine Fisheries Service Biological Opinion on the Long-Term Coordinated Operation of the Central Valley and State Water Project (BiOp) (<http://swr.nmfs.noaa.gov/ocap.htm>) and the Bay Delta Conservation Plan (BDCP) (www.baydeltaconservationplan.com) have proposed modifying a section of the Fremont Weir to increase the frequency and availability of floodplain habitat in the Yolo Bypass. Recent evaluations on the Yolo Bypass and Cosumnes River have shown that juvenile Chinook salmon grow faster when seasonal floodplain habitats are available (Sommer et al. 2001, 2005; Jeffres et al. 2008). Sommer et al. (2005) suggest these floodplain benefits are reflected in adult returns. Sacramento River flows over the Fremont Weir and onto the Yolo Bypass are currently limited to when river stages are sufficient to meet weir overtopping elevation (32.8 feet North American Vertical Datum 1988 (NAVD 88)). Lowering the elevation of a section of the Fremont Weir (notch) would allow for inundation at a lower Sacramento River stage. The BDCP Integration Team (2009) evaluated a Fremont Weir notch configuration of a 225 feet wide channel bottom, with 2 to 1 side slopes, and an invert elevation of 17.5 feet NAVD 88. Juvenile salmon entrainment (movement of fish from the Sacramento River over the Fremont Weir and onto the Yolo Bypass) can be quantified and is an operational criteria and performance measure for adaptively managing habitat restoration on the Yolo Bypass. The purpose of this analysis was to estimate the proportion of Sacramento River juvenile Chinook salmon entrained onto the Yolo Bypass under existing conditions and the BDCP Integration Team (2009) Fremont Weir notch configuration.

The analysis showed that the evaluated notching of the Fremont Weir increased the proportion of Sacramento River basin juvenile Chinook salmon entrained onto the Yolo Bypass by 185 percent compared to existing conditions. The most notable benefit from the evaluated notch is the multiple orders of magnitude increase in the proportion of juvenile Chinook salmon entrained onto the Yolo Bypass during dry and critical water years. The evaluated notching would provide a larger proportion of the population greater access to the Yolo Bypass floodplain. The Yolo Bypass floodplain has been shown to provide increased growth rates and survival compared to the main stem of the Sacramento River (Sommer et al. 2001). By increasing the proportion of juvenile Chinook salmon entrained onto the Yolo Bypass, an increased proportion of the population should enter the estuary at a comparatively larger size compared to the main-stem Sacramento River.

Introduction

The Yolo Bypass is the central feature of the Sacramento River Flood Control Project, which conveys floodwaters from the major valley rivers including Sacramento, American, and Feather rivers, and their tributaries (Figure 1). Floodwaters passively enter the Yolo Bypass over the Fremont Weir when the Sacramento River stage reaches an elevation of 32.8 feet NAVD 88 at the Fremont Weir (Figure 1). Recent regulatory and planning documents such as the BiOp and the BDCP have called for numerous fishery restoration actions in the Yolo Bypass. Increasing the availability of floodplain rearing habitat for juvenile salmonids is one of the actions. The BiOp and BDCP have proposed modifying a section of the Fremont Weir to increase the frequency and availability of floodplain habitat in the Yolo Bypass. Sacramento River flows over the Fremont Weir and onto the Yolo Bypass are currently limited to when river stages are sufficient to meet weir overtopping elevation (32.8 feet NAVD 88). Lowering the elevation of a section of the Fremont Weir (notch) would allow for inundation at lower Sacramento River flows.

Recent evaluations on the Yolo Bypass and Cosumnes River have shown that juvenile Chinook salmon grow faster when seasonal floodplain habitats are available (Sommer et al. 2001, 2005; Jeffres et al. 2008). Sommer et al. (2005) suggest these floodplain benefits are reflected in increased adult returns. As planning efforts to notch the Fremont Weir move forward, it is important to quantify the potential benefits of increasing the availability of floodplain rearing habitat for juvenile salmonids. Juvenile salmon entrainment (movement of fish from the Sacramento River over the Fremont Weir and onto the Yolo Bypass) can be quantified and is a proposed operational criteria and performance measure of any future restoration actions for adaptively managing habitat restoration on the Yolo Bypass. Although the evaluated notch will allow water to enter the Yolo Bypass and create beneficial habitat for rearing juveniles, the timing of weir overtopping and entrainment onto the bypass must also coincide with juvenile emigration events for any benefits to be accrued. While continued upstream monitoring and new modeling to examine juvenile salmon behavior will provide information for adaptively managing operations at the Fremont Weir for entraining emigrating juvenile salmon onto the bypass, enough data exists to develop a process model to further hypothesize what level of entrainment may be expected. Information about the proportion of Sacramento River flows entering the Yolo Bypass at Fremont Weir can be combined with information about each run of upper Sacramento River basin Chinook salmon (*Oncorhynchus tshawytscha*) to determine what proportion of each run may benefit or be subjected to risks associated with increased entrainment onto the Yolo Bypass. The purpose of this analysis was to estimate the proportion of

Sacramento River juvenile Chinook salmon entrained onto the Yolo Bypass under existing conditions and an evaluated notching of Fremont Weir.

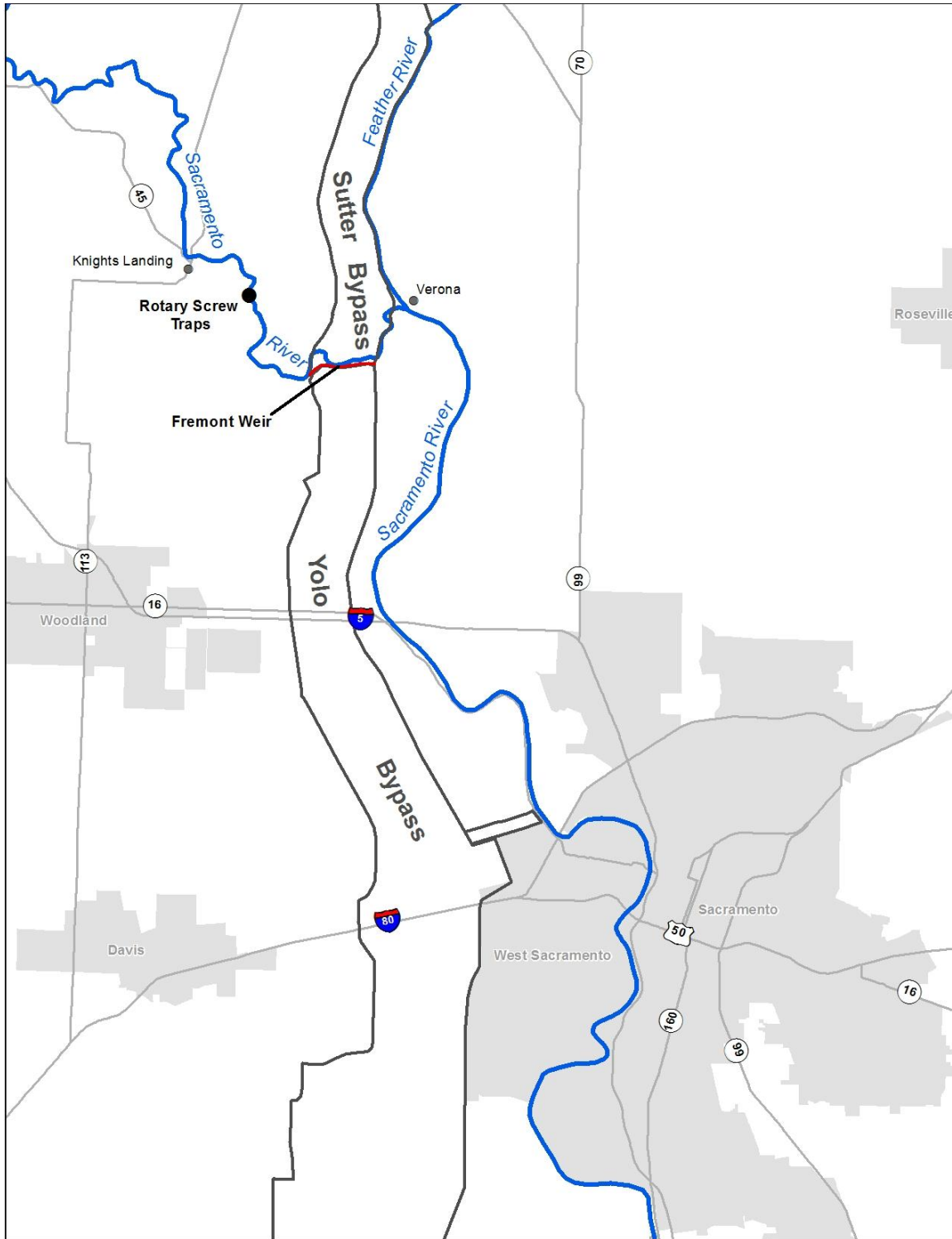


Figure 1. Location of the Department of Fish and Wildlife's Juvenile Salmonid Emigration Monitoring Program (Rotary Screw Traps) and Fremont Weir.

Methods

Flow Data

The historic flow data (water years 1997-2011) used for this analysis was derived from Sacramento River stage data at Fremont Weir, Fremont Weir spill data, and Sacramento River flow at Verona. Sacramento River stage and Fremont Weir spill data were collected by the California Department of Water Resources (DWR) and the Sacramento River flow data at Verona was collected by the United States Geological Survey. The following descriptions describe assumptions and derivation of key information.

- Sacramento River flow at Fremont Weir was calculated per the rating table developed by the National Weather Service California Nevada River Forecast Center, using the Sacramento River stage at Fremont Weir (available from: www.cnrfc.noaa.gov/graphicalRVF.php?id=FMWC1).
- Flow data that was not recorded on the California Data Exchange Center for Fremont Weir spills was calculated per the Gus Yates' equation (Jones & Stokes 2001).

$$\text{Fremont Weir spill} = 0.06(\text{Flow at Verona} - 56,000)^{1.5} \quad (\text{cfs})$$

- The notch flow was derived per the rating curve found in BDCP Integration Team (2009). Notch flow is the flow of the Sacramento River at the Fremont Weir (River Mile (RM) 82.5) that could have entered the Yolo Bypass had the evaluated notch been in place during the period of this analysis. The BDCP Integration Team (2009) evaluated a Fremont Weir notch configuration of a 225 feet wide channel bottom, with 2 to 1 side slopes, and an invert elevation of 17.5 feet NAVD 88. The stage versus flow rating curve for this notch configuration was used to determine the proportion of Sacramento River flow that would enter the Yolo Bypass for this analysis. The notch was evaluated as a gated structure that will be operated during a spill event over the Fremont Weir.

Flow Relationships

The daily proportion of Sacramento River flow entering Yolo Bypass under existing conditions was calculated using the following equation:

$$F_e = F_w / (F_w + F_v)$$

- F_e = proportion of Sacramento River flow entering Yolo Bypass when weir was overtopping under existing conditions
- F_w = flow over Fremont Weir
- F_v = flow at Verona

The daily proportion of Sacramento River flow entering the Yolo Bypass from the evaluated notch can incorporate two distinct flow scenarios which were used depending on the river stage at the Fremont Weir. If the river stage was below 32.8 feet, but above 17.5 feet NAVD 88 (i.e. the weir was not overtopping under existing conditions) equation "A" below was used. If the river stage was above 32.8 feet NAVD 88 (i.e. the weir was overtopping) equation "B" below was used.

- A. The daily proportion of Sacramento River flow entering Yolo Bypass from evaluated notching of Fremont Weir when the weir was not overtopping under existing conditions was calculated using the following equation:

$$F_p = F_n / (F_n + F_f)$$

- F_p = proportion of Sacramento River flow entering Yolo Bypass from the evaluated notching of Fremont Weir
- F_n = flow through notch
- F_f = Sacramento River flow at Fremont Weir

- B. The daily proportion of Sacramento River flow entering Yolo Bypass through the evaluated notch and spilling over the weir was calculated using the following equation:

$$F_p = (F_n + F_w) / (F_n + F_w + F_v)$$

Salmon Data

Data was collated and analyzed from the California Department of Fish and Wildlife's (CDFW) Juvenile Salmonid Emigration Monitoring Program on the Sacramento River near Knights Landing (Figure 1). The CDFW operates rotary screw traps on the Sacramento River (RM 87.5) approximately five miles upstream of the Fremont Weir from October through June to monitor juvenile salmonid emigration. Monitoring has been conducted since 1996 to determine the timing, composition, and abundance of juvenile salmonid emigration in the Sacramento River. Roberts (2007) describes the methods conducted for the rotary screw trap operations.

The rotary screw trap data was analyzed for water years 1997-2011. Specifically, daily catch (by run based on size-at-date criteria) and trap effort was compiled to determine daily catch per unit effort (Appendix A).

For this analysis, the use of catch per unit effort (CPUE) provides a better measurement of potential fish entrainment than raw catch data. Raw catch data is often highly variable and misleading due to variations in the period between trap servicing and/or when traps are not continuously fishing due to high in river debris loads. When these periods are standardized by evaluating CPUE, higher abundances of fish are occasionally observed

passing the trapping site than evidenced by the raw data trends. One instance where the period between visits was quite variable was December 2002. During this period, the actual abundance of spring-run Chinook salmon passing the trapping site was obscured by the period between trap servicing. The red circle and arrow illustrate how the two peak periods indicated by the raw data are better characterized as a single longer period of emigration (Figure 2 and Appendix A). The period between trap servicing in December 2002 ranged from 17.5-91.5 hours (average 46.4 hours). While the juvenile spring-run Chinook salmon emigration appeared to arrive in multiple pulses past the trapping site when observing the raw data, when CPUE is evaluated, the largest two peaks appear to be a single longer period of emigration. A similar example happened in December 2004, when the highest spring-run Chinook salmon CPUE is measured on a date with lower raw catch (Figure 3 and Appendix A).

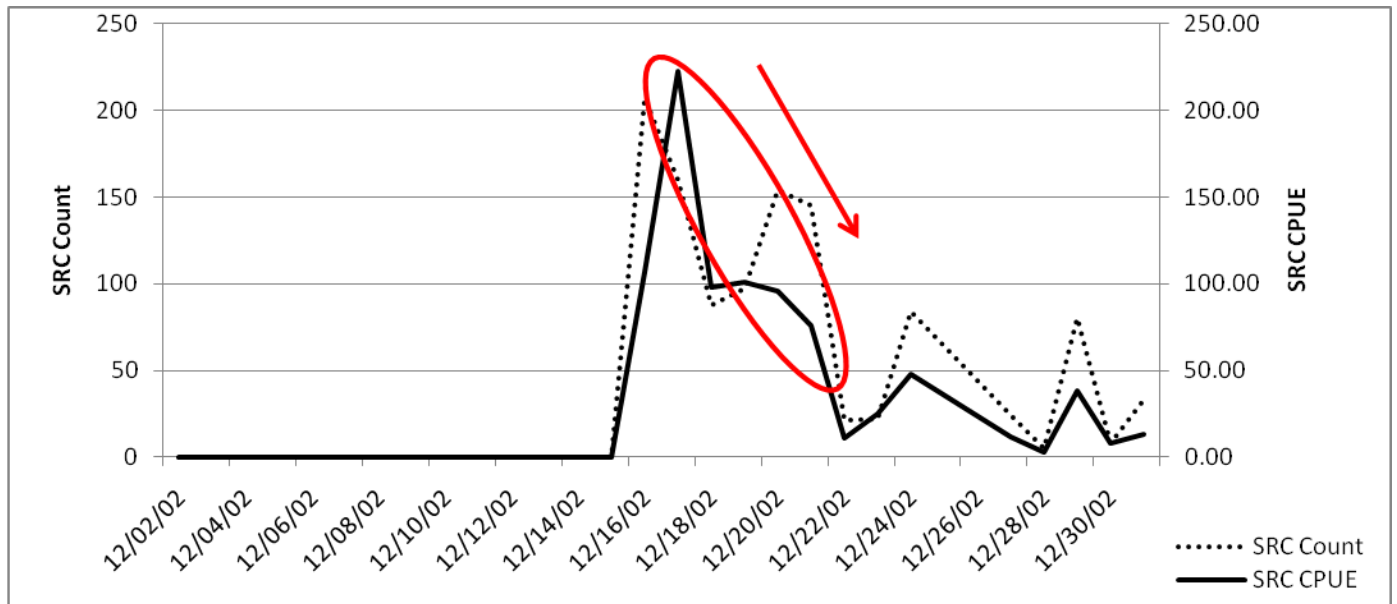


Figure 2. Raw catch (count) and CPUE of spring-run Chinook (SRC) salmon at the rotary screw traps in December 2002.

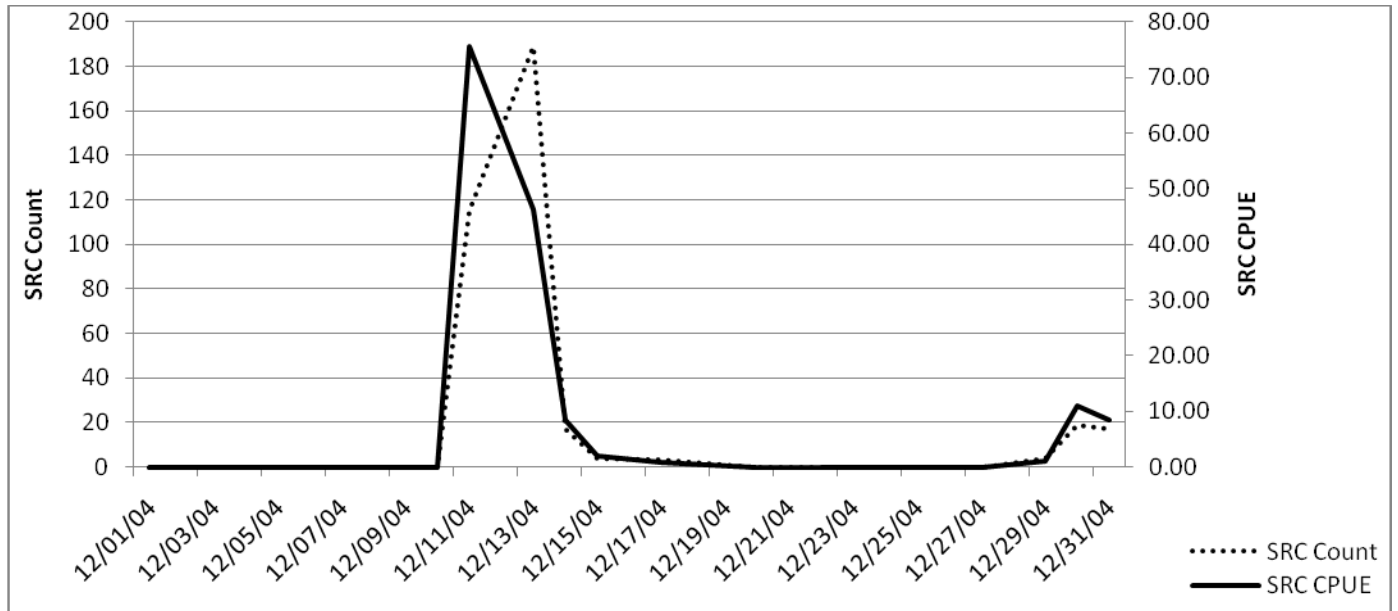


Figure 3. Raw catch (count) and CPUE of spring-run Chinook salmon at the rotary screw traps in December 2004.

Daily catch per unit effort (by run) was calculated using the following equation:

$$CPUE_d = C / (E / 24)$$

- $CPUE_d$ = daily catch per unit effort (by run)
- C = daily catch
- E = effort (hours)

Daily proportion of salmon (daily CPUE/seasonal sum of daily CPUE) was calculated using the following equation:

$$P_d = CPUE_d / (\sum CPUE_d) * 100$$

- P_d = daily proportion of salmon (by run)

Entrainment Calculations

Using the fish and flow equations described previously in this section, it is possible to estimate the daily proportion of each Chinook salmon run potentially entrained onto the Yolo Bypass. To estimate the daily proportion of juvenile salmon entrained (by run), the daily proportion of juvenile salmon was multiplied by the proportion of Sacramento River flow entering the Yolo Bypass for existing conditions and the evaluated notching of Fremont Weir. In order to develop these calculations, it is assumed that juvenile Chinook salmon are equally distributed across and throughout the water column and enter the Yolo Bypass proportionally to the flow split at the weir.

The daily proportion of juvenile salmon entrained onto the Yolo Bypass under existing conditions was calculated using the following equation:

$$P_e = F_e * P_d$$

- P_e = proportion of juvenile salmon entrained under existing conditions

The daily proportion of juvenile salmon entrained onto the Yolo Bypass from the evaluated notching of Fremont Weir (entrainment through the notch or entrainment through the notch and over the weir) was calculated using the following equation:

$$P_n = F_p * P_d$$

- P_n = proportion of juvenile salmon entrained from the evaluated notching of Fremont Weir

Results

The evaluated notch increased the proportion of juvenile salmon entrained onto the Yolo Bypass compared to existing conditions for all years analyzed (Table 1). Data was analyzed for October through June, but the initial date that salmon could be entrained onto the Yolo Bypass was November 19 and the final date was June 5 due to river stage (Table 2). Although entrainment occurred between these dates, it is important to note that entrainment did not continuously occur and was only possible when the river stage was at an appropriate level and salmon were present. The evaluated notch also increased the time period for when salmon could be entrained compared to existing conditions (Table 2).

Table 1. Sum of daily proportion of fall-run (FRC), spring-run (SRC), winter-run (WRC), and late fall-run (LFRC) juvenile salmon entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir.

YEAR	WYT ¹	FRC P _e	FRC P _n	SRC P _e	SRC P _n	WRC P _e	WRC P _n	LFRC P _e	LFRC P _n
1997	W	15.98	18.38	13.17	21.10	15.85	22.46	22.33	28.22
1998	W	20.41	28.12	6.10	11.24	4.85	11.05	10.53	17.84
1999	W	11.32	20.34	1.12	13.65	2.02	14.28	0.02	11.91
2000	AN	12.40	24.49	7.99	18.39	16.34	25.22	0.58	6.54
2001	D	0.00	5.63	0.00	4.05	0.00	7.50	0.00	1.94
2002	D	0.88	12.66	0.08	7.63	0.10	6.33	0.00	5.32
2003	AN	2.94	16.16	0.73	13.95	1.74	15.87	0.38	12.77
2004	BN	7.13	16.97	0.52	10.61	0.74	9.19	0.00	7.67
2005	AN	0.09	14.55	0.00	11.52	0.00	9.87	6.48	18.37
2006	W	27.13	33.82	7.18	16.17	6.19	13.91	33.19	37.74
2007	D	0.00	12.23	0.00	8.74	0.00	5.99	0.00	3.88
2008	C	0.00	15.22	0.00	11.34	0.00	11.56	0.00	11.75
2009	D	0.00	14.17	0.00	6.49	0.00	10.24	0.00	0.00
2010	BN	0.77	12.63	0.48	12.27	0.39	11.22	0.00	9.96
2011	W	11.53	22.23	12.95	22.74	2.49	13.23	6.36	16.88
Average (1997-2011)									
		7.37	17.84	3.35	12.66	3.38	12.53	5.32	12.72
Wet & Above Normal									
		12.73	22.26	6.16	16.10	6.19	15.74	9.98	18.78
Dry & Critical									
		0.18	11.98	0.02	7.65	0.02	8.32	0.00	4.58

¹Water Year Type (WYT) based on the Sacramento Valley Water Year Type Index (40-30-30): wet (W), above normal (AN), dry (D), below normal (BN), and critical (C) water years (SWRCB, 2006).

Table 2. Initial and final dates for when juvenile salmon entrainment could have occurred from existing conditions and the evaluated notching of Fremont Weir.

Year	WYT ¹	Existing Conditions		Evaluated Notch	
		Initial	Final	Initial	Final
1997	W	12/13/96	02/13/97	12/09/96	03/19/97
1998	W	01/15/98	06/05/98	11/29/97	06/05/98
1999	W	02/09/99	03/13/99	11/19/98	05/02/99
2000	AN	02/14/00	03/15/00	12/03/99	05/03/00
2001	D	n/a	n/a	01/12/01	03/17/01
2002	D	01/04/02	01/10/02	11/26/01	03/14/02
2003	AN	12/31/02	01/19/03	12/16/02	05/12/03
2004	BN	01/02/04	03/09/04	12/08/03	04/15/04
2005	AN	05/20/05	05/24/05	12/10/04	05/24/05
2006	W	12/26/05	05/05/06	12/03/05	05/14/06
2007	D	n/a	n/a	12/14/06	03/08/07
2008	C	n/a	n/a	01/05/08	03/03/08
2009	D	n/a	n/a	02/17/09	03/19/09
2010	BN	01/23/10	01/29/10	01/16/10	04/30/10
2011	W	12/20/10	04/09/11	12/08/10	05/12/11

¹Water Year Type (WYT) based on the Sacramento Valley Water Year Type Index (40-30-30): wet (W), above normal (AN), dry (D), below normal (BN), and critical (C) water years (SWRCB, 2006).

Entrainment by Run and Water Year Type (WYT)

The proportion of juvenile salmon entrained onto the Yolo Bypass under existing conditions and the evaluated notch varied by year and water year type (Table 1).

Fall-run

The average proportion of juvenile fall-run Chinook salmon entrained from the evaluated notching of the Fremont Weir increased 142 percent compared to existing conditions. During wet and above normal water years the evaluated notch increased entrainment 75 percent compared to existing conditions. During dry and critical water years the evaluated notch increased entrainment 66 fold compared to existing conditions (Figure 4).

Spring-run

The average proportion of juvenile spring-run Chinook salmon entrained from the evaluated notching of the Fremont Weir increased 278 percent compared to existing conditions. During wet and above normal water years the evaluated notch increased entrainment 161 percent compared to existing conditions. During dry and critical water years the evaluated notch increased entrainment 383 fold compared to existing conditions (Figure 5).

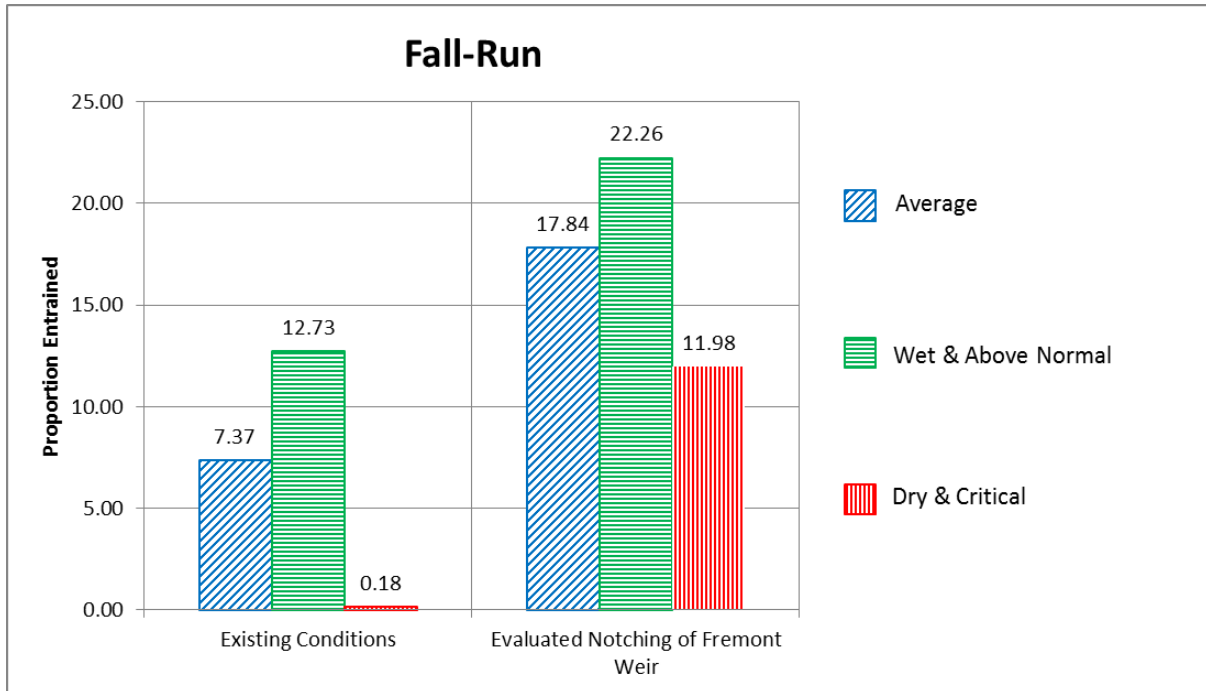


Figure 4. Proportion of juvenile fall-run Chinook salmon entrained onto the Yolo Bypass by water year type under existing conditions and the evaluated notching of Fremont Weir.

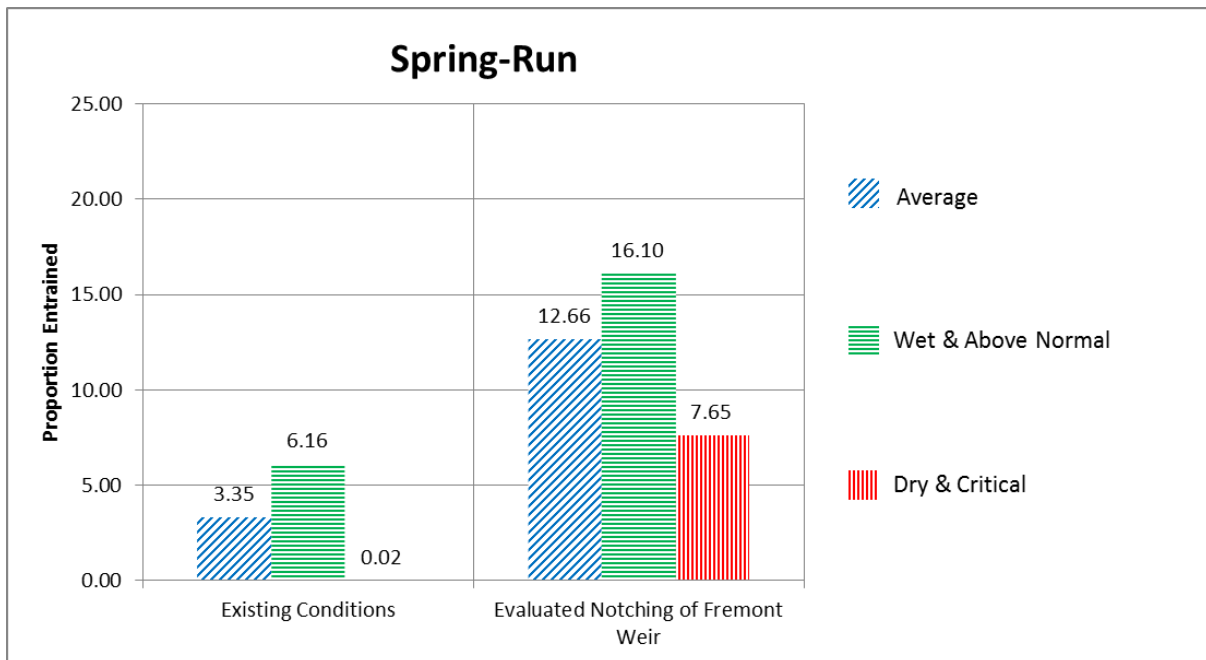


Figure 5. Proportion of juvenile spring-run Chinook salmon entrained onto the Yolo Bypass by water year type under existing conditions and the evaluated notching of Fremont Weir.

Winter-run

The average proportion of juvenile winter-run Chinook salmon entrained from the evaluated notching of the Fremont Weir increased 270 percent compared to existing conditions. During wet and above normal water years the evaluated notch increased entrainment 154 percent compared to existing conditions. During dry and critical water years the evaluated notch increase entrainment 416 fold compared to existing conditions (Figure 6).

Late Fall-run

The average proportion of juvenile late fall-run Chinook salmon entrained from the evaluated notching of the Fremont Weir increased 139 percent compared to existing conditions. During wet and above normal water years the evaluated notch increased entrainment 88 percent compared to existing conditions. During dry and critical water years late fall-run Chinook salmon were not entrained under existing conditions, while the evaluated notch entrained 4.58 percent of the population (Figure 7).

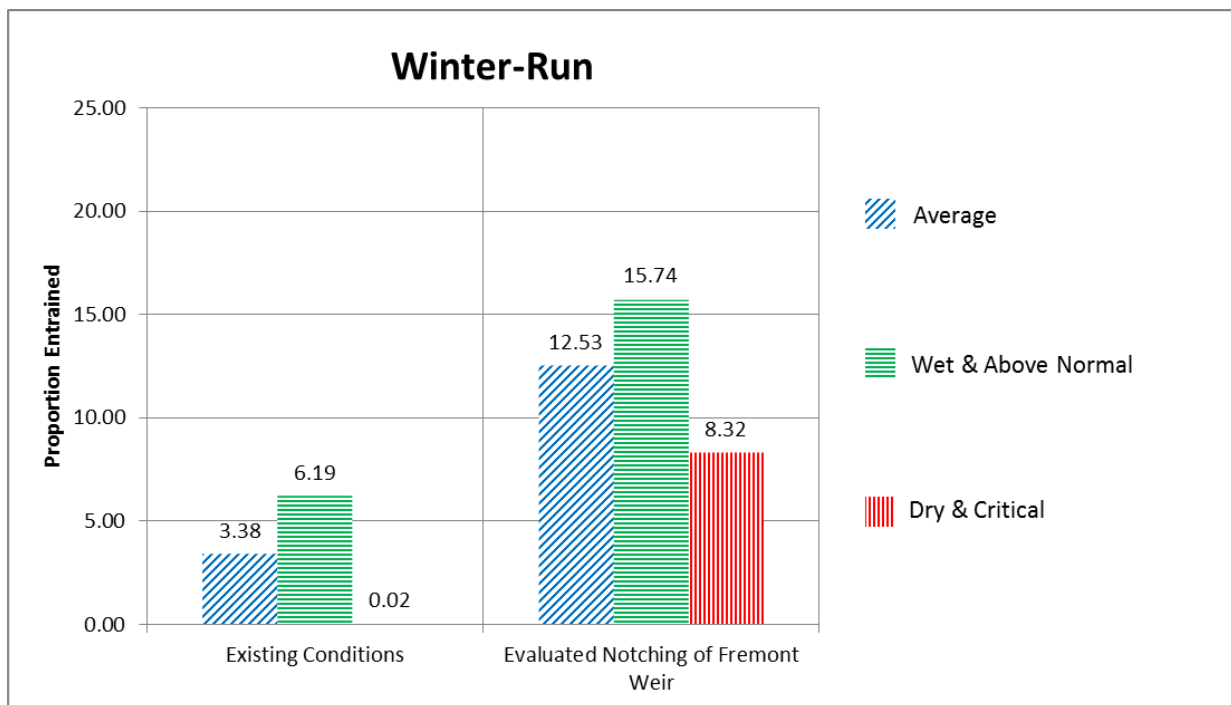


Figure 6. Proportion of juvenile winter-run Chinook salmon entrained onto the Yolo Bypass by water year type under existing conditions and the evaluated notching of Fremont Weir.

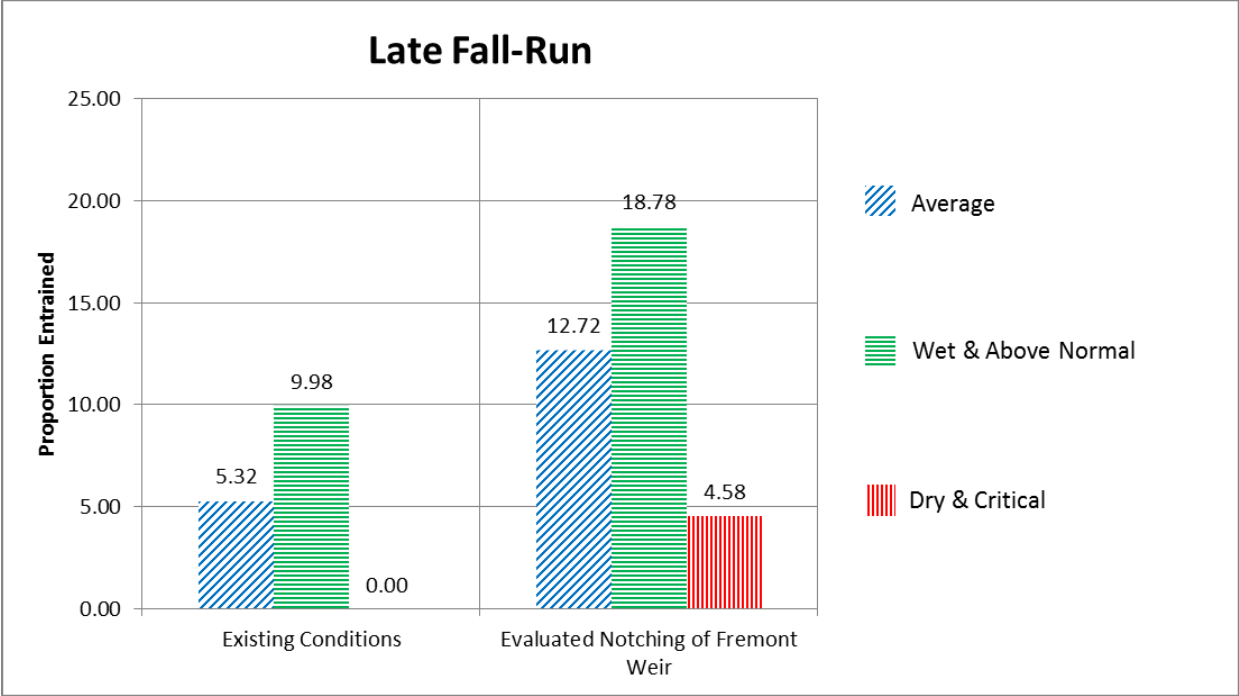


Figure 7. Proportion of juvenile late fall-run Chinook salmon entrained onto the Yolo Bypass by water year type under existing conditions and the evaluated notching of Fremont Weir.

Monthly Entrainment by Year

The proportion of each run of juvenile salmon entrained onto the Yolo Bypass under existing conditions and the evaluated notch varied by month and water year type.

Water Year 1997 (Wet WYT)

Almost all of the juvenile salmon entrainment occurred between December and February under existing conditions and the evaluated notch. Entrainment of juvenile winter-run and late fall-run more than doubled from the evaluated notch during the month of December compared to existing conditions. The evaluated notch entrained an additional six percent of spring-run compared to existing conditions (Table 3).

Table 3. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 1997.

1997	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
December	2.87	3.52	10.26	16.72	2.84	6.35	3.38	7.57
January	11.65	11.96	2.80	2.87	10.95	11.55	18.67	20.27
February	1.46	2.42	0.11	0.92	2.06	3.97	0.28	0.37
March	0.00	0.48	0.00	0.59	0.00	0.59	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 1998 (Wet WYT)

Juvenile salmon entrainment from the evaluated notch occurred between November and June, while entrainment under existing conditions was limited to January through June. The evaluated notch allowed spring-run and winter-run to be entrained two months earlier than existing conditions (Table 4).

Table 4. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 1998.

1998	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	1.31	0.00	3.49	0.00	1.41
December	0.00	0.01	0.00	2.21	0.00	1.19	0.00	1.20
January	9.55	12.82	1.71	3.11	2.09	2.77	6.88	7.60
February	8.78	9.05	3.16	3.25	2.17	2.22	0.56	0.58
March	1.71	4.83	1.23	1.36	0.59	1.38	0.00	0.00
April	0.31	1.17	0.00	0.00	0.00	0.00	0.26	3.59
May	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.63
June	0.06	0.06	0.00	0.00	0.00	0.00	2.83	2.83

Water Year 1999 (Wet WYT)

Juvenile salmon entrainment from the evaluated notch occurred between November and May, while entrainment under existing conditions was limited to December through March. The evaluated notch entrained an additional 12.53 percent of spring-run and 12.26 percent of winter-run compared to existing conditions. The evaluated entrained over five percent of the late fall-run (young of the year) in April compared to zero under existing conditions (Table 5).

Table 5. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 1999.

1999	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.06	0.00	3.67	0.00	1.52
December	0.00	0.13	0.05	6.73	0.05	3.59	0.02	3.56
January	0.00	4.72	0.00	1.87	0.00	2.21	0.00	1.66
February	9.60	12.00	1.07	2.01	1.72	4.01	0.00	0.00
March	1.72	2.84	0.00	0.88	0.25	0.72	0.00	0.00
April	0.00	0.58	0.00	2.10	0.00	0.08	0.00	5.17
May	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2000 (Above Normal WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and May, while entrainment under existing conditions was limited to February and March. The evaluated notch entrained an additional 4.61 percent of spring-run and 7.09 percent of winter-run compared to existing conditions in February. The evaluated notch allowed spring-run and winter-run to be entrained over a longer time period (Table 6). This increased time period allowed a larger proportion of the life history diversity to be entrained compared to existing conditions.

Table 6. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2000.

2000	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.10
January	0.00	3.75	0.00	1.68	0.00	1.39	0.00	3.84
February	10.78	18.56	5.91	10.52	9.77	16.86	0.58	1.53
March	1.62	1.74	2.08	5.62	6.57	6.93	0.00	0.11
April	0.00	0.44	0.00	0.57	0.00	0.00	0.00	0.95
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2001 (Dry WYT)

Juvenile salmon entrainment from the evaluated notch occurred between January and March. No juvenile salmon were entrained under existing conditions. The evaluated notch entrained over seven percent of the winter-run (Table 7).

Table 7. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2001.

2001	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
January	0.00	1.63	0.00	0.69	0.00	3.22	0.00	1.94
February	0.00	2.00	0.00	0.75	0.00	1.48	0.00	0.00
March	0.00	2.00	0.00	2.61	0.00	2.80	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2002 (Dry WYT)

Juvenile salmon entrainment from the evaluated notch occurred between November and March, while entrainment under existing conditions was limited to the month of January. The evaluated notch entrained over six percent of the winter-run. The evaluated notch entrained an increased proportion of all runs over a longer time period (Table 8). This increased time period allowed a larger proportion of the life history diversity to be entrained compared to existing conditions.

Table 8. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2002.

2002	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.19	0.00	0.71	0.00	0.68
December	0.00	0.61	0.00	4.41	0.00	2.97	0.00	3.71
January	0.88	2.92	0.08	1.13	0.10	2.08	0.00	0.93
February	0.00	9.06	0.00	1.80	0.00	0.55	0.00	0.00
March	0.00	0.07	0.00	0.10	0.00	0.02	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2003 (Above Normal WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and May, while entrainment under existing conditions was limited to December and January. The evaluated notch entrained 10 percent of the spring-run and winter-run in December compared to less than one percent under existing conditions. Furthermore, the evaluated notch entrained over six percent of the late fall-run (young of the year) in

May compared to zero under existing conditions. The evaluated notch also entrained juvenile salmon over a longer time period (Table 9). This increased time period allowed a larger proportion of the life history diversity to be entrained.

Table 9. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2003.

2003	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.11	2.45	0.07	11.04	0.04	10.50	0.04	5.44
January	2.83	9.97	0.66	2.02	1.70	4.77	0.34	0.62
February	0.00	3.30	0.00	0.39	0.00	0.45	0.00	0.00
March	0.00	0.30	0.00	0.50	0.00	0.15	0.00	0.00
April	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.55
May	0.00	0.02	0.00	0.00	0.00	0.00	0.00	6.16
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2004 (Below Normal WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and March, while entrainment under existing conditions was limited to January through March. The evaluated notch entrained over six percent of the spring-run, winter-run and late fall-run in December compared to zero under existing conditions. For fall-run, the evaluated notch more than doubled the entrainment compared to existing conditions (Table 10). The evaluated notch increased the time period of entrainment compared to existing conditions, allowing a larger proportion of the life history diversity to be entrained.

Table 10. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2004.

2004	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.50	0.00	6.46	0.00	6.39	0.00	6.82
January	0.00	2.47	0.01	1.54	0.00	1.12	0.00	0.85
February	5.40	11.57	0.27	0.76	0.39	0.92	0.00	0.00
March	1.73	2.43	0.24	1.80	0.35	0.76	0.00	0.00
April	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2005 (Above Normal WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and May, while entrainment under existing conditions was limited to the month of May. The evaluated notch allowed all runs of juvenile salmon to be entrained in the month of May compared to existing conditions, which only allowed fall-run and late fall-run to be entrained in May. The evaluated notch allowed spring-run to be entrained December through April and winter-run to be entrained December through March. Furthermore, the evaluated notch entrained 11 percent more late fall-run than existing conditions in the month of May (Table 11).

Table 11. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2005.

2005	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.68	0.00	2.56	0.00	2.79	0.00	0.13
January	0.00	8.47	0.00	3.72	0.00	5.98	0.00	0.25
February	0.00	2.96	0.00	1.00	0.00	0.75	0.00	0.00
March	0.00	1.95	0.00	3.93	0.00	0.35	0.00	0.00
April	0.00	0.02	0.00	0.31	0.00	0.00	0.00	0.05
May	0.09	0.47	0.00	0.00	0.00	0.00	6.48	17.94
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2006 (Wet WYT)

Juvenile salmon entrainment from the evaluated notch and existing conditions occurred between December and May. The evaluated notch increased the proportion of spring-run entrained four-fold in December. Also, the evaluated notch entrained almost three times more winter-run in December compared to existing conditions (Table 12).

Table 12. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2006.

2006	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	3.76	4.94	2.13	8.07	3.92	10.98	0.17	1.33
January	9.23	10.40	1.45	2.01	1.50	1.69	0.22	0.22
February	3.56	6.33	0.67	2.42	0.30	0.66	0.00	0.00
March	5.63	6.31	2.04	2.75	0.25	0.34	0.00	0.00
April	4.06	4.41	0.89	0.92	0.22	0.24	30.27	32.02
May	0.89	1.43	0.00	0.00	0.00	0.00	2.53	4.17
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2007 (Dry WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and March. The evaluated notch allowed juvenile salmon to be entrained, which did not occur under existing conditions. The evaluated notch entrained over eight percent of the spring-run and almost six percent of the winter-run (Table 13).

Table 13. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2007.

2007	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.38	0.00	1.47	0.00	4.48	0.00	3.88
January	0.00	0.01	0.00	0.03	0.00	0.04	0.00	0.00
February	0.00	11.25	0.00	6.96	0.00	1.46	0.00	0.00
March	0.00	0.59	0.00	0.28	0.00	0.01	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2008 (Critical WYT)

Juvenile salmon entrainment from the evaluated notch occurred between January and March. The evaluated notch allowed juvenile salmon to be entrained, which did not occur under existing conditions. The evaluated notch entrained over 11 percent of the spring-run and winter-run (Table 14).

Table 14. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2008.

2008	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
January	0.00	6.24	0.00	7.99	0.00	8.31	0.00	11.75
February	0.00	8.78	0.00	3.24	0.00	3.17	0.00	0.00
March	0.00	0.20	0.00	0.11	0.00	0.08	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2009 (Dry WYT)

Juvenile salmon entrainment from the evaluated notch occurred between January and February. The evaluated notch allowed juvenile salmon to be entrained, which did not occur under existing conditions. The evaluated notch entrained over six percent of the spring-run and over 10 percent of the winter-run (Table 15).

Table 15. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2009.

2009	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
February	0.00	12.15	0.00	5.60	0.00	8.66	0.00	0.00
March	0.00	2.02	0.00	0.89	0.00	1.58	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2010 (Below Normal WYT)

Juvenile salmon entrainment from the evaluated notch occurred between January and April, while entrainment from existing conditions was limited to the month of January. There was almost no entrainment under existing conditions (less than one percent per run). The evaluated notch entrained over twelve percent of the spring-run and over eleven percent of the winter-run. The evaluated notching also entrained over nine percent of the late fall-run (young of the year) in the month of April (Table 16). The

evaluated notch increased the time period of entrainment compared to existing conditions, allowing a larger proportion of the life history diversity to be entrained.

Table 16. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2010.

2010	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
January	0.77	6.50	0.48	8.58	0.39	9.41	0.00	0.76
February	0.00	0.93	0.00	1.23	0.00	0.77	0.00	0.00
March	0.00	0.56	0.00	2.46	0.00	0.94	0.00	0.00
April	0.00	4.64	0.00	0.00	0.00	0.10	0.00	9.20
May	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Water Year 2011 (Wet WYT)

Juvenile salmon entrainment from the evaluated notch occurred between December and May, while existing conditions limited entrainment to the months of December, March, and April. The evaluated notch entrained an order of magnitude more winter-run in the month of December compared to existing conditions (10.13 and 0.98 percent, respectively). The evaluated notch also entrained almost six percent more late fall-run (yearlings) in the month of December compared to existing conditions. The evaluated notch also entrained over four percent of the spring-run in the month of January and February compared to zero under existing conditions (Table 17).

Table 17. Proportion of juvenile salmon (by run) entrained onto the Yolo Bypass under existing conditions and the evaluated notching of Fremont Weir by month for water year 2011.

2011	FRC Pe	FRC Pn	SRC Pe	SRC Pn	WRC Pe	WRC Pn	LFRC Pe	LFRC Pn
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.42	1.95	1.67	4.48	0.98	10.13	1.51	7.34
January	0.00	2.63	0.00	1.78	0.00	1.17	0.00	0.00
February	0.00	2.12	0.00	2.94	0.00	0.22	0.00	0.00
March	9.98	11.25	7.51	8.51	1.33	1.49	0.00	0.00
April	1.13	4.12	3.77	5.03	0.18	0.22	4.85	9.54
May	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Analysis Limitations

This analysis was strictly limited to quantifying the entrainment of juvenile Chinook salmon under existing conditions and the evaluated notching of the Fremont Weir. The analysis did not evaluate any other potential effects that juvenile Chinook salmon could experience once entrained onto the Yolo Bypass (e.g. growth, survival, condition). Also, the analysis did not examine the potential effects of extra flow through the evaluated notch for juvenile Chinook salmon that “already” enter the Yolo Bypass (e.g. survival, residence time, extending natural overtopping events).

This analysis assumes that the catch and corresponding catch per unit effort of the Knights Landing rotary screw traps are representative of the emigrating cohorts. While this assumption is probably not the most accurate, it is the best available data and provides a reasonable surrogate of the timing and distribution of the emigrating cohorts. It is assumed that the emigrating cohorts pass the Fremont Weir in a similar timing and quantity as when they pass the Knights Landing rotary screw traps.

This analysis is limited to juvenile Chinook salmon originating from the upper Sacramento River basin. Based on hydrology, it is assumed that juvenile Chinook salmon from Butte Creek and the Feather River also enter the Yolo Bypass, but there is not adequate data to determine the proportion. Also, the rotary screw trap data does not include upper Sacramento River basin Chinook salmon that are entrained into the Sutter Bypass via Colusa, Moulton, or Tisdale Weir upstream of Knights Landing. Therefore, this analysis underestimates the total quantity of juvenile salmon entrained onto the Yolo Bypass.

This analysis assumes that Sacramento River flow and Feather River flow enter the Yolo Bypass during a natural Fremont Weir overtopping event. Therefore, to determine the net flow in the system, the flow in Sacramento River at Verona is used since it is downstream of the confluence of Sacramento River and Feather River.

Lastly, this analysis assumes that juvenile Chinook salmon are equally distributed across and throughout the water column and enter the Yolo Bypass proportionally to the flow split at the weir. Current studies and literature have not documented the distribution or movement of juvenile Chinook salmon in the water column as they emigrate down the Sacramento River; therefore these assumptions are appropriate until three dimensional acoustic studies can be conducted. However, there is data to suggest that the entrainment patterns may vary by life stage. For example, smolts may have lower entrainment rates than fry because smolts tend to have a more offshore distribution (thalweg) and fry tend to have a more inshore distribution (along the levee); since most fall-run move downstream as fry, this may tend to increase their tendency to

enter Yolo Bypass because Fremont Weir traverses the shoreline of the Sacramento River. Nonetheless, more detailed studies of fish behavior and hydrodynamics are needed to characterize the exact responses.

Discussion

Similar to previous technical reports, this analysis shows that the evaluated notching of the Fremont Weir would increase entrainment of juvenile Chinook salmon onto the Yolo Bypass. Unlike previous papers, this analysis used an empirical approach to quantify what has been previously discussed qualitatively. The evaluated notching would increase the proportion of juvenile Chinook salmon entrained across all water year types with the most notable increase in juvenile entrainment occurring in dry and critical water years; during dry and critical water years, juvenile entrainment increased by multiple orders of magnitude (Table 1). Increasing the proportion of juvenile Chinook salmon entrained, particularly in dry and critical water year types, will provide a larger proportion of the population an alternate emigration corridor and may provide population level benefits. The integration of the timing of entrainment events and the duration of inundation as part of restoration projects will need to be further considered to assess how increased growth rates may benefit adult returns by reducing size selective juvenile mortality (Beckman et al. 1999). It is also necessary to determine how entrainment and inundation events are timed and integrated to assess stranding risks for both juveniles and migrating adults.

The evaluated notching would provide a larger proportion of the population greater access to the Yolo Bypass floodplain which has been shown to provide increased growth rates and survival compared to the main stem of the Sacramento River (Sommer et al. 2001). By increasing the proportion of juvenile Chinook salmon entrained onto the Yolo Bypass, an increased proportion of the population should enter the estuary at a comparatively larger size compared to the main-stem Sacramento River. Furthermore, juvenile Chinook salmon entrained onto the Yolo Bypass will not be exposed to the proposed BDCP north Delta intake facilities (loss estimated to be less than 5%) or the State Water Project and Central Valley Project south Delta facilities. Eliminating the exposure to these facilities should increase their survival.

The empirical framework used in this study can be used for management and restoration purposes as a preliminary step to assess the potential benefits from notching the Fremont Weir to increase the proportion of juvenile salmon entrained onto the Yolo Bypass. This approach can be used in conjunction with monitoring efforts and lifecycle models to help determine the effectiveness of fishery restoration actions in the Yolo Bypass.

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Appendix A: Daily Knights Landing Rotary Screw Trap Data

The CDFW operate rotary screw traps on the Sacramento River (RM 87.5), downstream of the town of Knights Landing from October through June to monitor juvenile anadromous salmonid emigration. Monitoring has been conducted since 1996 to determine the timing, composition, and abundance of juvenile salmonid emigration in the Sacramento River. Roberts (2007) describes the sampling methods conducted for the rotary screw. Data (daily catch, effort and CPUE) was compiled for water years 1997-2011 (Table 18).

Catch per unit effort was calculated using the following equation:

$$\text{CPUE} = \text{Catch} / (\text{Effort [hours]} / 24 \text{ hrs})$$

Spring-run Chinook salmon catch was adjusted to take into account fall-run hatchery releases from Coleman National Fish Hatchery. Spring-run by size captured after the release of Coleman fall-run hatchery fish were considered fall-run fish and the table was adjusted accordingly (grey cells in the spring-run column).

Table 18. Daily Knights Landing rotary screw trap data for water years 1997-2011.

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
10/2/1996	0	0	0	0	97.50	0.00	0.00	0.00	0.00
10/3/1996	0	0	0	0	46.50	0.00	0.00	0.00	0.00
10/4/1996	0	0	0	0	49.50	0.00	0.00	0.00	0.00
10/7/1996	0	0	0	0	145.00	0.00	0.00	0.00	0.00
10/8/1996	0	0	0	0	45.50	0.00	0.00	0.00	0.00
10/9/1996	0	0	0	0	41.50	0.00	0.00	0.00	0.00
10/10/1996	0	0	0	0	50.00	0.00	0.00	0.00	0.00
10/11/1996	0	0	0	0	45.50	0.00	0.00	0.00	0.00
10/14/1996	0	0	0	0	144.50	0.00	0.00	0.00	0.00
10/15/1996	0	0	0	0	49.50	0.00	0.00	0.00	0.00
10/16/1996	0	0	0	0	50.50	0.00	0.00	0.00	0.00
10/17/1996	0	0	0	0	44.50	0.00	0.00	0.00	0.00
10/18/1996	0	0	0	0	47.50	0.00	0.00	0.00	0.00
10/21/1996	0	0	0	0	145.00	0.00	0.00	0.00	0.00
10/22/1996	0	0	0	0	43.50	0.00	0.00	0.00	0.00
10/23/1996	0	0	0	0	46.00	0.00	0.00	0.00	0.00
10/24/1996	0	0	0	0	50.00	0.00	0.00	0.00	0.00
10/25/1996	0	0	0	0	50.50	0.00	0.00	0.00	0.00
10/28/1996	0	0	0	0	144.00	0.00	0.00	0.00	0.00
10/29/1996	0	0	0	0	41.00	0.00	0.00	0.00	0.00
10/30/1996	0	0	0	0	54.50	0.00	0.00	0.00	0.00
10/31/1996	0	0	0	0	50.50	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/1/1996	0	0	0	0	37.50	0.00	0.00	0.00	0.00
11/4/1996	0	0	0	0	143.25	0.00	0.00	0.00	0.00
11/5/1996	0	0	0	0	47.75	0.00	0.00	0.00	0.00
11/6/1996	0	0	0	0	57.50	0.00	0.00	0.00	0.00
11/7/1996	0	0	0	0	48.00	0.00	0.00	0.00	0.00
11/8/1996	0	0	0	0	47.00	0.00	0.00	0.00	0.00
11/11/1996	0	0	0	0	143.00	0.00	0.00	0.00	0.00
11/12/1996	0	0	0	0	49.25	0.00	0.00	0.00	0.00
11/13/1996	0	0	0	0	48.00	0.00	0.00	0.00	0.00
11/14/1996	0	0	0	1	50.00	0.00	0.00	0.00	0.48
11/15/1996	0	0	0	0	47.75	0.00	0.00	0.00	0.00
11/16/1996	0	0	0	0	36.50	0.00	0.00	0.00	0.00
11/17/1996	0	0	0	0	48.00	0.00	0.00	0.00	0.00
11/18/1996	0	0	0	0	57.00	0.00	0.00	0.00	0.00
11/19/1996	0	0	0	0	49.00	0.00	0.00	0.00	0.00
11/20/1996	0	0	0	0	48.50	0.00	0.00	0.00	0.00
11/21/1996	0	0	0	0	43.05	0.00	0.00	0.00	0.00
11/22/1996	0	0	0	0	39.25	0.00	0.00	0.00	0.00
11/23/1996	1	0	0	1	39.00	0.62	0.00	0.00	0.62
11/24/1996	0	0	1	1	49.00	0.00	0.00	0.49	0.49
11/25/1996	0	5	15	4	47.25	0.00	2.54	7.62	2.03
11/26/1996	0	3	8	4	37.50	0.00	1.92	5.12	2.56
11/27/1996	0	0	3	3	47.50	0.00	0.00	1.52	1.52
11/30/1996	0	0	0	0	47.50	0.00	0.00	0.00	0.00
12/1/1996	0	0	0	0	49.50	0.00	0.00	0.00	0.00
12/2/1996	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/3/1996	0	0	0	0	49.50	0.00	0.00	0.00	0.00
12/4/1996	0	0	0	0	49.50	0.00	0.00	0.00	0.00
12/5/1996	0	0	0	0	49.00	0.00	0.00	0.00	0.00
12/6/1996	0	0	0	0	42.75	0.00	0.00	0.00	0.00
12/7/1996	0	0	0	0	48.75	0.00	0.00	0.00	0.00
12/8/1996	2	3	5	9	41.75	1.15	1.72	2.87	5.17
12/9/1996	32	22	9	7	49.25	15.59	10.72	4.39	3.41
12/10/1996	21	29	9	4	48.00	10.50	14.50	4.50	2.00
12/11/1996	209	291	24	17	47.50	105.60	147.03	12.13	8.59
12/12/1996	623	347	19	5	52.50	284.80	158.63	8.69	2.29
12/13/1996	509	257	10	7	47.25	258.54	130.54	5.08	3.56
12/14/1996	167	152	7	3	44.25	90.58	82.44	3.80	1.63
12/15/1996	388	305	8	7	58.00	160.55	126.21	3.31	2.90
12/16/1996	310	58	6	0	37.25	199.73	37.37	3.87	0.00
12/17/1996	64	26	1	0	34.00	45.18	18.35	0.71	0.00
12/18/1996	150	71	2	0	49.00	73.47	34.78	0.98	0.00
12/19/1996	94	56	0	0	44.75	50.41	30.03	0.00	0.00
12/20/1996	85	17	2	0	49.00	41.63	8.33	0.98	0.00
12/21/1996	68	8	1	0	48.50	33.65	3.96	0.49	0.00
12/22/1996	31	4	1	0	48.50	15.34	1.98	0.49	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/23/1996	33	3	0	0	47.50	16.67	1.52	0.00	0.00
12/24/1996	31	1	1	0	37.00	20.11	0.65	0.65	0.00
12/26/1996	18	0	0	0	53.50	8.07	0.00	0.00	0.00
12/27/1996	77	6	0	1	47.00	39.32	3.06	0.00	0.51
12/28/1996	60	4	0	0	46.00	31.30	2.09	0.00	0.00
12/29/1996	509	8	1	0	49.00	249.31	3.92	0.49	0.00
12/30/1996	794	18	0	1	48.00	397.00	9.00	0.00	0.50
12/31/1996	610	14	0	1	37.00	395.68	9.08	0.00	0.65
1/2/1997	1418	11	0	0	60.75	560.20	4.35	0.00	0.00
1/3/1997	548	7	0	0	46.50	282.84	3.61	0.00	0.00
1/4/1997	1000	14	0	0	49.50	484.85	6.79	0.00	0.00
1/5/1997	649	12	1	0	49.00	317.88	5.88	0.49	0.00
1/6/1997	449	7	2	0	47.00	229.28	3.57	1.02	0.00
1/7/1997	341	1	1	0	51.00	160.47	0.47	0.47	0.00
1/8/1997	342	1	1	0	48.00	171.00	0.50	0.50	0.00
1/9/1997	250	0	1	0	48.00	125.00	0.00	0.50	0.00
1/10/1997	494	4	1	1	48.50	244.45	1.98	0.49	0.49
1/11/1997	274	1	0	0	46.50	141.42	0.52	0.00	0.00
1/12/1997	500	11	6	12	48.25	248.70	5.47	2.98	5.97
1/13/1997	535	6	5	7	48.50	264.74	2.97	2.47	3.46
1/14/1997	261	7	4	1	46.50	134.71	3.61	2.06	0.52
1/15/1997	219	3	5	1	48.00	109.50	1.50	2.50	0.50
1/16/1997	194	2	2	2	48.00	97.00	1.00	1.00	1.00
1/17/1997	199	4	2	1	49.00	97.47	1.96	0.98	0.49
1/18/1997	206	5	3	1	48.00	103.00	2.50	1.50	0.50
1/19/1997	185	4	1	8	48.00	92.50	2.00	0.50	4.00
1/21/1997	222	0	7	20	59.00	90.31	0.00	2.85	8.14
1/22/1997	111	1	5	7	35.00	76.11	0.69	3.43	4.80
1/23/1997	336	1	8	9	60.25	133.84	0.40	3.19	3.59
1/24/1997	154	1	6	3	47.00	78.64	0.51	3.06	1.53
1/25/1997	134	0	1	1	48.50	66.31	0.00	0.49	0.49
1/26/1997	122	0	1	1	49.50	59.15	0.00	0.48	0.48
1/27/1997	180	1	6	3	49.00	88.16	0.49	2.94	1.47
1/28/1997	252	4	3	0	47.50	127.33	2.02	1.52	0.00
1/29/1997	245	4	0	0	47.50	123.79	2.02	0.00	0.00
1/30/1997	221	1	2	0	47.50	111.66	0.51	1.01	0.00
1/31/1997	181	2	3	0	48.00	90.50	1.00	1.50	0.00
2/1/1997	186	0	2	0	48.00	93.00	0.00	1.00	0.00
2/2/1997	157	2	2	0	48.00	78.50	1.00	1.00	0.00
2/3/1997	72	0	1	0	48.00	36.00	0.00	0.50	0.00
2/4/1997	97	0	3	0	48.00	48.50	0.00	1.50	0.00
2/5/1997	115	0	0	1	48.00	57.50	0.00	0.00	0.50
2/6/1997	71	2	1	0	48.00	35.50	1.00	0.50	0.00
2/7/1997	312	2	1	0	48.00	156.00	1.00	0.50	0.00
2/8/1997	368	0	4	0	48.00	184.00	0.00	2.00	0.00
2/9/1997	223	0	1	0	48.00	111.50	0.00	0.50	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
2/10/1997	245	0	2	0	48.00	122.50	0.00	1.00	0.00
2/11/1997	196	0	0	0	48.00	98.00	0.00	0.00	0.00
2/13/1997	348	3	5	0	96.00	87.00	0.75	1.25	0.00
2/14/1997	165	1	5	0	48.00	82.50	0.50	2.50	0.00
2/15/1997	203	0	1	1	48.00	101.50	0.00	0.50	0.50
2/16/1997	242	3	4	0	48.00	121.00	1.50	2.00	0.00
2/18/1997	355	4	2	0	96.00	88.75	1.00	0.50	0.00
2/19/1997	94	0	0	0	48.00	47.00	0.00	0.00	0.00
2/20/1997	140	6	0	0	48.00	70.00	3.00	0.00	0.00
2/21/1997	259	9	6	0	48.50	128.16	4.45	2.97	0.00
2/22/1997	262	9	4	0	47.50	132.38	4.55	2.02	0.00
2/23/1997	86	8	5	0	48.00	43.00	4.00	2.50	0.00
2/24/1997	59	6	0	0	48.00	29.50	3.00	0.00	0.00
2/25/1997	119	10	4	0	48.00	59.50	5.00	2.00	0.00
2/26/1997	223	18	2	0	48.00	111.50	9.00	1.00	0.00
2/27/1997	168	25	1	0	48.00	84.00	12.50	0.50	0.00
2/28/1997	130	28	2	0	48.50	64.33	13.86	0.99	0.00
3/1/1997	150	16	9	0	47.50	75.79	8.08	4.55	0.00
3/2/1997	208	8	4	0	48.00	104.00	4.00	2.00	0.00
3/3/1997	444	28	0	0	48.00	222.00	14.00	0.00	0.00
3/4/1997	489	24	0	0	49.00	239.51	11.76	0.00	0.00
3/5/1997	597	27	0	0	47.00	304.85	13.79	0.00	0.00
3/6/1997	120	3	1	0	48.00	60.00	1.50	0.50	0.00
3/7/1997	351	23	5	0	48.50	173.69	11.38	2.47	0.00
3/8/1997	519	26	6	0	48.00	259.50	13.00	3.00	0.00
3/9/1997	306	28	2	0	48.00	153.00	14.00	1.00	0.00
3/10/1997	221	20	1	0	45.50	116.57	10.55	0.53	0.00
3/11/1997	564	37	4	0	50.00	270.72	17.76	1.92	0.00
3/12/1997	861	38	5	0	48.50	426.06	18.80	2.47	0.00
3/13/1997	669	13	1	0	46.50	345.29	6.71	0.52	0.00
3/14/1997	227	4	1	0	48.00	113.50	2.00	0.50	0.00
3/15/1997	165	3	0	0	48.00	82.50	1.50	0.00	0.00
3/16/1997	129	1	0	0	49.00	63.18	0.49	0.00	0.00
3/17/1997	122	6	0	0	48.00	61.00	3.00	0.00	0.00
3/18/1997	205	2	1	0	48.00	102.50	1.00	0.50	0.00
3/19/1997	153	11	0	0	44.50	82.52	5.93	0.00	0.00
3/21/1997	369	10	3	0	97.00	91.30	2.47	0.74	0.00
3/22/1997	90	2	0	0	47.50	45.47	1.01	0.00	0.00
3/23/1997	42	1	1	0	48.00	21.00	0.50	0.50	0.00
3/24/1997	45	0	0	0	47.50	22.74	0.00	0.00	0.00
3/25/1997	4	0	0	0	48.00	2.00	0.00	0.00	0.00
3/26/1997	11	1	1	0	48.00	5.50	0.50	0.50	0.00
3/27/1997	11	3	0	0	48.00	5.50	1.50	0.00	0.00
3/28/1997	15	1	0	0	48.00	7.50	0.50	0.00	0.00
3/29/1997	18	1	0	0	48.00	9.00	0.50	0.00	0.00
3/30/1997	13	2	0	0	48.00	6.50	1.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
3/31/1997	18	2	0	0	45.00	9.60	1.07	0.00	0.00
4/1/1997	17	0	0	0	51.00	8.00	0.00	0.00	0.00
4/3/1997	13	1	0	0	96.00	3.25	0.25	0.00	0.00
4/4/1997	4	3	0	0	49.00	1.96	1.47	0.00	0.00
4/5/1997	14	7	0	0	48.00	7.00	3.50	0.00	0.00
4/6/1997	13	6	1	0	48.00	6.50	3.00	0.50	0.00
4/7/1997	175	0	0	0	47.00	89.36	0.00	0.00	0.00
4/8/1997	509	0	0	0	49.00	249.31	0.00	0.00	0.00
4/9/1997	965	0	0	0	48.00	482.50	0.00	0.00	0.00
4/10/1997	639	0	0	0	47.00	326.30	0.00	0.00	0.00
4/11/1997	751	0	0	0	54.50	330.72	0.00	0.00	0.00
4/12/1997	406	0	1	0	44.00	221.45	0.00	0.55	0.00
4/13/1997	232	0	0	0	37.00	150.49	0.00	0.00	0.00
4/14/1997	154	0	0	0	56.00	66.00	0.00	0.00	0.00
4/15/1997	287	0	1	0	49.00	140.57	0.00	0.49	0.00
4/16/1997	270	0	0	0	47.50	136.42	0.00	0.00	0.00
4/17/1997	403	0	0	0	48.00	201.50	0.00	0.00	0.00
4/18/1997	459	0	0	0	43.00	256.19	0.00	0.00	0.00
4/19/1997	1339	0	3	0	54.00	595.11	0.00	1.33	0.00
4/20/1997	639	0	0	0	34.50	444.52	0.00	0.00	0.00
4/21/1997	163	0	1	0	50.50	77.47	0.00	0.48	0.00
4/22/1997	480	0	0	0	51.00	225.88	0.00	0.00	0.00
4/23/1997	982	0	0	0	46.50	506.84	0.00	0.00	0.00
4/24/1997	1313	0	0	0	45.00	700.27	0.00	0.00	0.00
4/25/1997	637	0	1	0	47.00	325.28	0.00	0.51	0.00
4/26/1997	148	0	1	0	60.00	59.20	0.00	0.40	0.00
4/27/1997	971	0	0	0	36.00	647.33	0.00	0.00	0.00
4/28/1997	3349	0	0	0	52.00	1545.69	0.00	0.00	0.00
4/29/1997	1867	0	1	0	49.00	914.45	0.00	0.49	0.00
4/30/1997	885	0	1	0	43.25	491.10	0.00	0.55	0.00
5/1/1997	547	0	0	0	52.25	251.25	0.00	0.00	0.00
5/2/1997	236	0	0	0	38.50	147.12	0.00	0.00	0.00
5/3/1997	92	0	1	0	54.00	40.89	0.00	0.44	0.00
5/4/1997	248	0	1	0	50.50	117.86	0.00	0.48	0.00
5/5/1997	138	0	0	0	48.50	68.29	0.00	0.00	0.00
5/6/1997	293	0	0	0	50.50	139.25	0.00	0.00	0.00
5/7/1997	212	0	1	0	33.00	154.18	0.00	0.73	0.00
5/8/1997	157	0	0	0	62.50	60.29	0.00	0.00	0.00
5/9/1997	111	0	0	0	47.00	56.68	0.00	0.00	0.00
5/10/1997	168	0	0	0	48.00	84.00	0.00	0.00	0.00
5/11/1997	281	0	0	0	48.00	140.50	0.00	0.00	0.00
5/12/1997	397	0	0	0	36.00	264.67	0.00	0.00	0.00
5/13/1997	48	0	0	0	50.75	22.70	0.00	0.00	0.00
5/14/1997	61	0	0	0	48.50	30.19	0.00	0.00	0.00
5/15/1997	43	0	0	0	46.50	22.19	0.00	0.00	0.00
5/17/1997	130	0	0	0	90.50	34.48	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
5/19/1997	79	0	0	0	97.25	19.50	0.00	0.00	0.00
5/21/1997	2	0	0	0	97.25	0.49	0.00	0.00	0.00
5/23/1997	33	0	1	0	95.00	8.34	0.00	0.25	0.00
5/27/1997	0	0	0	0	195.75	0.00	0.00	0.00	0.00
5/28/1997	0	0	0	0	47.00	0.00	0.00	0.00	0.00
5/29/1997	1	0	0	0	49.75	0.48	0.00	0.00	0.00
5/30/1997	7	0	0	0	42.00	4.00	0.00	0.00	0.00
6/2/1997	3	0	0	0	154.00	0.47	0.00	0.00	0.00
6/4/1997	5	0	0	1	89.00	1.35	0.00	0.00	0.27
6/6/1997	0	0	0	0	95.00	0.00	0.00	0.00	0.00
6/9/1997	1	0	0	0	146.00	0.16	0.00	0.00	0.00
6/11/1997	0	0	0	0	94.00	0.00	0.00	0.00	0.00
6/13/1997	0	0	0	0	97.00	0.00	0.00	0.00	0.00
6/16/1997	0	0	0	0	150.00	0.00	0.00	0.00	0.00
6/18/1997	0	0	0	0	90.00	0.00	0.00	0.00	0.00
6/20/1997	0	0	0	2	95.50	0.00	0.00	0.00	0.50
6/23/1997	0	0	0	0	146.75	0.00	0.00	0.00	0.00
6/25/1997	0	0	0	0	96.25	0.00	0.00	0.00	0.00
6/27/1997	0	0	0	0	91.50	0.00	0.00	0.00	0.00
10/1/1997	0	0	0	0	49.00	0.00	0.00	0.00	0.00
10/3/1997	0	0	1	0	94.50	0.00	0.00	0.25	0.00
10/6/1997	0	0	1	0	145.25	0.00	0.00	0.17	0.00
10/8/1997	0	0	0	0	94.50	0.00	0.00	0.00	0.00
10/10/1997	0	0	0	0	95.50	0.00	0.00	0.00	0.00
10/13/1997	0	0	0	0	142.75	0.00	0.00	0.00	0.00
10/15/1997	0	0	0	0	95.75	0.00	0.00	0.00	0.00
10/17/1997	0	0	0	0	97.00	0.00	0.00	0.00	0.00
10/20/1997	0	0	0	0	142.75	0.00	0.00	0.00	0.00
10/22/1997	0	0	0	0	96.00	0.00	0.00	0.00	0.00
10/24/1997	0	0	0	0	94.25	0.00	0.00	0.00	0.00
10/27/1997	0	0	0	0	145.00	0.00	0.00	0.00	0.00
10/29/1997	0	0	0	0	97.50	0.00	0.00	0.00	0.00
10/31/1997	0	0	0	0	95.25	0.00	0.00	0.00	0.00
11/3/1997	0	0	0	0	146.00	0.00	0.00	0.00	0.00
11/5/1997	0	0	0	0	95.50	0.00	0.00	0.00	0.00
11/7/1997	0	0	0	0	96.00	0.00	0.00	0.00	0.00
11/10/1997	0	0	0	0	145.00	0.00	0.00	0.00	0.00
11/12/1997	0	0	0	0	95.00	0.00	0.00	0.00	0.00
11/14/1997	0	0	0	0	99.75	0.00	0.00	0.00	0.00
11/17/1997	0	0	0	0	142.50	0.00	0.00	0.00	0.00
11/18/1997	0	0	0	0	45.25	0.00	0.00	0.00	0.00
11/19/1997	0	0	0	0	47.50	0.00	0.00	0.00	0.00
11/20/1997	0	0	1	0	53.50	0.00	0.00	0.45	0.00
11/21/1997	0	0	1	1	41.50	0.00	0.00	0.58	0.58
11/22/1997	0	0	1	0	46.50	0.00	0.00	0.52	0.00
11/23/1997	0	0	19	1	55.00	0.00	0.00	8.29	0.44

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/24/1997	0	0	51	3	49.50	0.00	0.00	24.73	1.45
11/25/1997	0	0	7	4	48.50	0.00	0.00	3.46	1.98
11/26/1997	0	1	16	0	46.00	0.00	0.52	8.35	0.00
11/29/1997	0	7	70	9	9.75	0.00	17.23	172.31	22.15
11/30/1997	0	74	167	11	44.00	0.00	40.36	91.09	6.00
12/1/1997	3	21	24	4	45.00	1.60	11.20	12.80	2.13
12/3/1997	8	20	72	5	49.00	3.92	9.80	35.27	2.45
12/4/1997	14	19	45	2	46.25	7.26	9.86	23.35	1.04
12/5/1997	4	12	29	3	48.50	1.98	5.94	14.35	1.48
12/6/1997	2	2	4	0	45.00	1.07	1.07	2.13	0.00
12/7/1997	0	0	5	0	48.50	0.00	0.00	2.47	0.00
12/8/1997	0	0	2	1	49.50	0.00	0.00	0.97	0.48
12/9/1997	0	0	0	0	66.00	0.00	0.00	0.00	0.00
12/12/1997	12	4	0	0	26.75	10.77	3.59	0.00	0.00
12/13/1997	6	5	0	0	48.25	2.98	2.49	0.00	0.00
12/14/1997	4	7	0	1	47.50	2.02	3.54	0.00	0.51
12/15/1997	0	2	0	3	48.00	0.00	1.00	0.00	1.50
12/16/1997	0	0	0	1	48.50	0.00	0.00	0.00	0.49
12/17/1997	17	4	2	10	38.75	10.53	2.48	1.24	6.19
12/18/1997	87	19	8	13	56.50	36.96	8.07	3.40	5.52
12/19/1997	67	40	2	4	48.00	33.50	20.00	1.00	2.00
12/20/1997	21	5	5	2	48.00	10.50	2.50	2.50	1.00
12/21/1997	16	4	1	2	48.00	8.00	2.00	0.50	1.00
12/22/1997	43	9	2	0	48.00	21.50	4.50	1.00	0.00
12/23/1997	19	6	2	2	48.25	9.45	2.98	0.99	0.99
12/24/1997	5	0	0	0	36.00	3.33	0.00	0.00	0.00
12/27/1997	5	0	0	0	59.60	2.01	0.00	0.00	0.00
12/28/1997	0	0	0	0	48.50	0.00	0.00	0.00	0.00
12/29/1997	0	0	0	0	52.50	0.00	0.00	0.00	0.00
12/30/1997	3	1	0	0	49.00	1.47	0.49	0.00	0.00
12/31/1997	0	0	1	0	40.50	0.00	0.00	0.59	0.00
1/2/1998	0	0	0	1	13.00	0.00	0.00	0.00	1.85
1/3/1998	0	0	0	1	45.50	0.00	0.00	0.00	0.53
1/4/1998	4	0	0	1	48.00	2.00	0.00	0.00	0.50
1/5/1998	16	1	0	1	49.00	7.84	0.49	0.00	0.49
1/6/1998	1066	2	6	1	48.50	527.51	0.99	2.97	0.49
1/7/1998	5027	8	11	4	49.50	2437.33	3.88	5.33	1.94
1/8/1998	2897	19	9	2	44.75	1553.70	10.19	4.83	1.07
1/9/1998	1474	9	10	0	47.50	744.76	4.55	5.05	0.00
1/10/1998	790	9	2	1	47.00	403.40	4.60	1.02	0.51
1/11/1998	498	5	1	0	50.50	236.67	2.38	0.48	0.00
1/12/1998	1484	8	10	0	48.25	738.16	3.98	4.97	0.00
1/13/1998	1797	4	6	0	47.00	917.62	2.04	3.06	0.00
1/14/1998	1591	2	2	0	50.00	763.68	0.96	0.96	0.00
1/15/1998	6116	0	0	0	49.50	2965.33	0.00	0.00	0.00
1/16/1998	454	0	0	0	44.50	244.85	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
1/17/1998	689	1	0	1	23.75	696.25	1.01	0.00	1.01
1/18/1998	481	0	1	0	6.00	1924.00	0.00	4.00	0.00
1/19/1998	1639	1	3	5	47.50	828.13	0.51	1.52	2.53
1/20/1998	1400	1	1	3	50.75	662.07	0.47	0.47	1.42
1/21/1998	146	0	1	0	37.50	93.44	0.00	0.64	0.00
1/22/1998	1091	3	10	2	50.50	518.50	1.43	4.75	0.95
1/23/1998	591	2	1	7	47.00	301.79	1.02	0.51	3.57
1/24/1998	689	4	3	4	48.75	339.20	1.97	1.48	1.97
1/25/1998	625	1	0	8	48.25	310.88	0.50	0.00	3.98
1/26/1998	346	1	3	3	44.50	186.61	0.54	1.62	1.62
1/27/1998	335	0	0	2	53.00	151.70	0.00	0.00	0.91
1/28/1998	578	0	4	5	49.00	283.10	0.00	1.96	2.45
1/29/1998	489	0	4	4	47.50	247.07	0.00	2.02	2.02
1/30/1998	867	1	5	4	50.00	416.16	0.48	2.40	1.92
1/31/1998	730	1	6	3	47.00	372.77	0.51	3.06	1.53
2/1/1998	622	4	0	1	47.75	312.63	2.01	0.00	0.50
2/2/1998	431	0	1	0	47.00	220.09	0.00	0.51	0.00
2/3/1998	303	0	2	0	46.50	156.39	0.00	1.03	0.00
2/4/1998	365	0	1	0	49.00	178.78	0.00	0.49	0.00
2/5/1998	398	0	0	1	48.50	196.95	0.00	0.00	0.49
2/6/1998	491	0	1	0	47.00	250.72	0.00	0.51	0.00
2/7/1998	266	0	4	0	49.00	130.29	0.00	1.96	0.00
2/8/1998	398	1	1	0	46.00	207.65	0.52	0.52	0.00
2/9/1998	435	2	0	0	48.25	216.37	0.99	0.00	0.00
2/10/1998	370	1	0	0	48.00	185.00	0.50	0.00	0.00
2/11/1998	558	3	2	0	48.50	276.12	1.48	0.99	0.00
2/12/1998	223	0	0	0	48.50	110.35	0.00	0.00	0.00
2/13/1998	203	0	1	0	10.00	487.20	0.00	2.40	0.00
2/14/1998	130	0	0	1	48.00	65.00	0.00	0.00	0.50
2/15/1998	426	0	0	0	48.50	210.80	0.00	0.00	0.00
2/16/1998	122	0	1	0	36.00	81.33	0.00	0.67	0.00
2/17/1998	339	0	2	0	60.00	135.60	0.00	0.80	0.00
2/18/1998	206	2	0	0	48.50	101.94	0.99	0.00	0.00
2/19/1998	106	0	1	0	47.75	53.28	0.00	0.50	0.00
2/20/1998	226	2	1	0	47.00	115.40	1.02	0.51	0.00
2/21/1998	122	0	1	0	49.00	59.76	0.00	0.49	0.00
2/22/1998	155	0	1	0	47.50	78.32	0.00	0.51	0.00
2/23/1998	211	0	0	0	47.00	107.74	0.00	0.00	0.00
2/24/1998	1073	0	2	0	47.00	547.91	0.00	1.02	0.00
2/25/1998	644	2	1	0	48.50	318.68	0.99	0.49	0.00
2/26/1998	447	1	3	0	48.25	222.34	0.50	1.49	0.00
2/27/1998	295	2	1	0	48.75	145.23	0.98	0.49	0.00
2/28/1998	389	3	7	0	48.25	193.49	1.49	3.48	0.00
3/1/1998	286	4	2	0	47.75	143.75	2.01	1.01	0.00
3/2/1998	140	0	3	0	47.00	71.49	0.00	1.53	0.00
3/3/1998	305	1	1	0	48.75	150.15	0.49	0.49	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
3/4/1998	214	3	0	0	47.50	108.13	1.52	0.00	0.00
3/5/1998	116	0	4	0	48.50	57.40	0.00	1.98	0.00
3/6/1998	88	2	0	0	47.75	44.23	1.01	0.00	0.00
3/7/1998	78	2	3	0	46.25	40.48	1.04	1.56	0.00
3/8/1998	134	2	2	0	49.25	65.30	0.97	0.97	0.00
3/9/1998	116	0	3	0	48.00	58.00	0.00	1.50	0.00
3/10/1998	394	0	3	0	48.00	197.00	0.00	1.50	0.00
3/11/1998	424	0	2	0	47.75	213.11	0.00	1.01	0.00
3/12/1998	565	0	3	0	47.50	285.47	0.00	1.52	0.00
3/13/1998	1261	0	5	0	48.50	624.00	0.00	2.47	0.00
3/14/1998	1144	0	4	0	47.00	584.17	0.00	2.04	0.00
3/15/1998	1846	0	5	0	48.50	913.48	0.00	2.47	0.00
3/16/1998	2706	0	10	0	48.00	1353.00	0.00	5.00	0.00
3/17/1998	1637	0	2	0	47.50	827.12	0.00	1.01	0.00
3/18/1998	1754	0	6	0	47.25	890.92	0.00	3.05	0.00
3/19/1998	1515	0	4	0	48.00	757.50	0.00	2.00	0.00
3/20/1998	717	0	5	0	48.00	358.50	0.00	2.50	0.00
3/21/1998	375	0	3	0	49.00	183.67	0.00	1.47	0.00
3/22/1998	448	0	0	0	48.00	224.00	0.00	0.00	0.00
3/23/1998	543	0	1	0	48.00	271.50	0.00	0.50	0.00
3/24/1998	502	0	1	0	48.25	249.70	0.00	0.50	0.00
3/25/1998	370	0	1	0	47.25	187.94	0.00	0.51	0.00
3/26/1998	484	0	0	0	48.50	239.51	0.00	0.00	0.00
3/27/1998	204	0	0	0	48.00	102.00	0.00	0.00	0.00
3/28/1998	173	0	0	0	48.50	85.61	0.00	0.00	0.00
3/29/1998	119	0	0	0	48.50	58.89	0.00	0.00	0.00
3/30/1998	79	0	0	0	47.50	39.92	0.00	0.00	0.00
3/31/1998	42	0	0	0	48.00	21.00	0.00	0.00	0.00
4/1/1998	63	0	0	0	48.50	31.18	0.00	0.00	0.00
4/2/1998	15	0	0	0	36.50	9.86	0.00	0.00	0.00
4/5/1998	39	0	0	0	28.25	33.13	0.00	0.00	0.00
4/6/1998	4	0	0	0	6.50	14.77	0.00	0.00	0.00
4/7/1998	135	0	0	1	24.00	135.00	0.00	0.00	1.00
4/8/1998	174	0	0	0	23.50	177.70	0.00	0.00	0.00
4/9/1998	206	0	0	1	24.00	206.00	0.00	0.00	1.00
4/10/1998	87	0	0	1	24.00	87.00	0.00	0.00	1.00
4/11/1998	73	0	0	1	24.00	73.00	0.00	0.00	1.00
4/12/1998	92	0	0	2	24.50	90.12	0.00	0.00	1.96
4/13/1998	127	0	0	3	24.00	127.00	0.00	0.00	3.00
4/14/1998	87	0	0	1	24.00	87.00	0.00	0.00	1.00
4/15/1998	29	0	0	0	16.75	41.55	0.00	0.00	0.00
4/16/1998	125	0	0	2	17.75	169.01	0.00	0.00	2.70
4/17/1998	223	0	0	3	52.25	102.43	0.00	0.00	1.38
4/18/1998	143	0	0	3	48.75	70.40	0.00	0.00	1.48
4/19/1998	164	0	0	2	46.75	84.19	0.00	0.00	1.03
4/20/1998	100	0	0	1	49.50	48.48	0.00	0.00	0.48

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
4/21/1998	147	0	0	0	47.50	74.27	0.00	0.00	0.00
4/22/1998	116	0	0	0	48.00	58.00	0.00	0.00	0.00
4/23/1998	92	0	0	2	48.00	46.00	0.00	0.00	1.00
4/24/1998	41	0	0	0	47.00	20.94	0.00	0.00	0.00
4/25/1998	52	0	0	2	48.50	25.73	0.00	0.00	0.99
4/26/1998	454	0	0	20	47.50	229.39	0.00	0.00	10.11
4/27/1998	339	0	0	6	47.00	173.11	0.00	0.00	3.06
4/28/1998	252	0	0	3	49.00	123.43	0.00	0.00	1.47
4/29/1998	196	0	0	1	48.25	97.49	0.00	0.00	0.50
4/30/1998	75	0	0	1	47.00	38.30	0.00	0.00	0.51
5/1/1998	139	0	0	0	45.50	73.32	0.00	0.00	0.00
5/2/1998	128	0	0	0	50.00	61.44	0.00	0.00	0.00
5/3/1998	26	0	0	0	49.00	12.73	0.00	0.00	0.00
5/4/1998	82	0	0	0	47.00	41.87	0.00	0.00	0.00
5/5/1998	29	0	0	1	48.25	14.42	0.00	0.00	0.50
5/6/1998	27	0	0	1	48.75	13.29	0.00	0.00	0.49
5/7/1998	40	0	0	0	48.25	19.90	0.00	0.00	0.00
5/8/1998	19	0	0	0	47.50	9.60	0.00	0.00	0.00
5/9/1998	43	0	0	0	46.50	22.19	0.00	0.00	0.00
5/10/1998	25	0	0	0	47.00	12.77	0.00	0.00	0.00
5/11/1998	56	0	0	0	48.50	27.71	0.00	0.00	0.00
5/12/1998	38	0	0	6	48.00	19.00	0.00	0.00	3.00
5/13/1998	16	0	0	1	17.25	22.26	0.00	0.00	1.39
5/14/1998	17	0	0	0	49.00	8.33	0.00	0.00	0.00
5/15/1998	37	0	0	3	48.50	18.31	0.00	0.00	1.48
5/18/1998	42	0	0	0	46.00	21.91	0.00	0.00	0.00
5/20/1998	90	0	0	3	96.50	22.38	0.00	0.00	0.75
5/22/1998	18	0	0	0	91.00	4.75	0.00	0.00	0.00
5/25/1998	1	0	0	1	147.00	0.16	0.00	0.00	0.16
5/27/1998	25	0	0	1	96.00	6.25	0.00	0.00	0.25
5/29/1998	8	0	0	1	94.00	2.04	0.00	0.00	0.26
6/1/1998	36	0	0	4	146.50	5.90	0.00	0.00	0.66
6/2/1998	71	0	0	14	41.00	41.56	0.00	0.00	8.20
6/3/1998	35	0	0	11	43.00	19.53	0.00	0.00	6.14
6/5/1998	30	0	0	9	104.00	6.92	0.00	0.00	2.08
6/8/1998	6	0	0	0	140.50	1.02	0.00	0.00	0.00
6/11/1998	0	0	0	0	68.25	0.00	0.00	0.00	0.00
6/12/1998	9	0	0	0	23.50	9.19	0.00	0.00	0.00
6/15/1998	3	0	0	0	72.75	0.99	0.00	0.00	0.00
6/17/1998	7	0	0	0	49.00	3.43	0.00	0.00	0.00
6/19/1998	1	0	0	0	46.75	0.51	0.00	0.00	0.00
6/22/1998	2	0	0	0	70.50	0.68	0.00	0.00	0.00
6/24/1998	0	0	0	0	48.25	0.00	0.00	0.00	0.00
6/26/1998	1	0	0	0	48.25	0.50	0.00	0.00	0.00
6/29/1998	0	0	0	0	72.00	0.00	0.00	0.00	0.00
10/2/1998	0	0	0	0	47.00	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
10/5/1998	0	0	1	0	72.25	0.00	0.00	0.33	0.00
10/7/1998	0	0	0	0	46.75	0.00	0.00	0.00	0.00
10/9/1998	0	0	0	0	48.50	0.00	0.00	0.00	0.00
10/13/1998	0	0	0	0	96.75	0.00	0.00	0.00	0.00
10/16/1998	0	0	0	0	71.75	0.00	0.00	0.00	0.00
10/20/1998	0	0	0	0	95.75	0.00	0.00	0.00	0.00
10/23/1998	0	0	0	0	71.75	0.00	0.00	0.00	0.00
10/26/1998	0	0	0	0	74.50	0.00	0.00	0.00	0.00
10/28/1998	0	0	0	0	47.00	0.00	0.00	0.00	0.00
10/30/1998	0	0	0	0	49.75	0.00	0.00	0.00	0.00
11/2/1998	0	0	1	0	145.00	0.00	0.00	0.17	0.00
11/4/1998	0	0	0	0	96.50	0.00	0.00	0.00	0.00
11/5/1998	0	0	0	0	43.00	0.00	0.00	0.00	0.00
11/6/1998	0	0	0	0	42.25	0.00	0.00	0.00	0.00
11/9/1998	0	0	0	0	144.50	0.00	0.00	0.00	0.00
11/10/1998	0	0	0	0	38.50	0.00	0.00	0.00	0.00
11/12/1998	0	0	21	0	104.75	0.00	0.00	4.81	0.00
11/13/1998	0	0	5	1	44.00	0.00	0.00	2.73	0.55
11/14/1998	0	0	8	0	43.50	0.00	0.00	4.41	0.00
11/15/1998	0	0	3	0	50.00	0.00	0.00	1.44	0.00
11/16/1998	0	0	8	1	53.25	0.00	0.00	3.61	0.45
11/17/1998	0	0	7	1	44.00	0.00	0.00	3.82	0.55
11/18/1998	0	0	3	0	52.25	0.00	0.00	1.38	0.00
11/19/1998	0	0	5	0	42.25	0.00	0.00	2.84	0.00
11/20/1998	0	0	26	1	50.25	0.00	0.00	12.42	0.48
11/22/1998	0	0	47	4	89.50	0.00	0.00	12.60	1.07
11/23/1998	0	0	10	0	52.50	0.00	0.00	4.57	0.00
11/24/1998	0	1	63	2	40.75	0.00	0.59	37.10	1.18
11/25/1998	0	1	100	8	55.75	0.00	0.43	43.05	3.44
12/1/1998	1	7	17	0	41.50	0.58	4.05	9.83	0.00
12/2/1998	2	4	25	4	47.75	1.01	2.01	12.57	2.01
12/3/1998	41	41	25	4	48.00	20.50	20.50	12.50	2.00
12/4/1998	7	11	24	2	44.00	3.82	6.00	13.09	1.09
12/5/1998	12	15	18	2	46.75	6.16	7.70	9.24	1.03
12/6/1998	15	35	10	2	44.25	8.14	18.98	5.42	1.08
12/7/1998	7	6	5	0	42.75	3.93	3.37	2.81	0.00
12/8/1998	25	5	18	1	48.00	12.50	2.50	9.00	0.50
12/9/1998	33	10	3	0	48.50	16.33	4.95	1.48	0.00
12/10/1998	32	10	18	0	48.00	16.00	5.00	9.00	0.00
12/11/1998	18	6	8	0	47.75	9.05	3.02	4.02	0.00
12/12/1998	17	5	3	0	47.75	8.54	2.51	1.51	0.00
12/13/1998	16	9	1	1	48.25	7.96	4.48	0.50	0.50
12/14/1998	12	14	7	0	47.50	6.06	7.07	3.54	0.00
12/15/1998	30	9	3	1	46.75	15.40	4.62	1.54	0.51
12/16/1998	26	8	2	0	48.25	12.93	3.98	0.99	0.00
12/17/1998	64	20	3	0	46.00	33.39	10.43	1.57	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/18/1998	24	12	4	0	48.50	11.88	5.94	1.98	0.00
12/19/1998	30	15	9	3	47.00	15.32	7.66	4.60	1.53
12/20/1998	26	7	4	2	37.50	16.64	4.48	2.56	1.28
12/21/1998	54	7	9	3	57.00	22.74	2.95	3.79	1.26
12/22/1998	7	1	0	0	48.25	3.48	0.50	0.00	0.00
12/23/1998	53	17	1	0	48.50	26.23	8.41	0.49	0.00
12/24/1998	64	5	8	2	34.00	45.18	3.53	5.65	1.41
12/26/1998	7	6	1	1	11.50	14.61	12.52	2.09	2.09
12/27/1998	22	1	1	2	46.50	11.35	0.52	0.52	1.03
12/28/1998	9	2	1	2	48.00	4.50	1.00	0.50	1.00
12/29/1998	7	0	0	1	47.50	3.54	0.00	0.00	0.51
12/30/1998	5	1	0	0	47.25	2.54	0.51	0.00	0.00
12/31/1998	2	1	0	0	37.50	1.28	0.64	0.00	0.00
1/2/1999	2	0	0	0	12.50	3.84	0.00	0.00	0.00
1/3/1999	1	0	0	0	48.00	0.50	0.00	0.00	0.00
1/4/1999	3	0	0	0	48.00	1.50	0.00	0.00	0.00
1/5/1999	0	0	0	0	47.50	0.00	0.00	0.00	0.00
1/6/1999	2	1	0	0	47.75	1.01	0.50	0.00	0.00
1/7/1999	2	0	0	0	48.00	1.00	0.00	0.00	0.00
1/8/1999	1	0	0	0	47.50	0.51	0.00	0.00	0.00
1/9/1999	0	0	0	0	37.25	0.00	0.00	0.00	0.00
1/10/1999	0	0	0	2	47.75	0.00	0.00	0.00	1.01
1/11/1999	0	0	0	2	48.50	0.00	0.00	0.00	0.99
1/12/1999	1	0	0	3	47.50	0.51	0.00	0.00	1.52
1/13/1999	0	0	0	3	48.00	0.00	0.00	0.00	1.50
1/14/1999	3	0	1	5	49.25	1.46	0.00	0.49	2.44
1/15/1999	7	1	1	4	51.25	3.28	0.47	0.47	1.87
1/16/1999	7	0	0	1	45.00	3.73	0.00	0.00	0.53
1/17/1999	4	0	0	0	46.25	2.08	0.00	0.00	0.00
1/18/1999	13	0	1	0	49.75	6.27	0.00	0.48	0.00
1/19/1999	14	0	1	1	48.00	7.00	0.00	0.50	0.50
1/20/1999	76	4	6	1	47.75	38.20	2.01	3.02	0.50
1/21/1999	1762	18	17	4	48.25	876.44	8.95	8.46	1.99
1/22/1999	1484	1	7	2	48.25	738.16	0.50	3.48	0.99
1/23/1999	3115	13	20	2	46.75	1599.14	6.67	10.27	1.03
1/24/1999	826	5	3	0	37.50	528.64	3.20	1.92	0.00
1/25/1999	4425	16	47	5	44.75	2373.18	8.58	25.21	2.68
1/26/1999	3370	0	13	0	19.00	4256.84	0.00	16.42	0.00
1/27/1999	2274	9	7	0	46.00	1186.43	4.70	3.65	0.00
1/28/1999	803	3	4	0	48.00	401.50	1.50	2.00	0.00
1/29/1999	402	2	0	0	50.00	192.96	0.96	0.00	0.00
1/30/1999	178	3	0	0	48.00	89.00	1.50	0.00	0.00
1/31/1999	311	1	1	0	47.50	157.14	0.51	0.51	0.00
2/1/1999	173	0	4	0	48.00	86.50	0.00	2.00	0.00
2/2/1999	153	3	6	0	49.50	74.18	1.45	2.91	0.00
2/3/1999	287	6	3	0	46.00	149.74	3.13	1.57	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
2/4/1999	438	3	6	0	49.00	214.53	1.47	2.94	0.00
2/5/1999	379	6	7	0	46.50	195.61	3.10	3.61	0.00
2/6/1999	183	1	7	0	48.00	91.50	0.50	3.50	0.00
2/7/1999	497	7	35	0	49.00	243.43	3.43	17.14	0.00
2/8/1999	1332	5	31	0	47.00	680.17	2.55	15.83	0.00
2/9/1999	5910	2	42	0	50.75	2794.88	0.95	19.86	0.00
2/10/1999	1154	2	1	0	38.75	714.74	1.24	0.62	0.00
2/11/1999	86	2	1	0	43.00	48.00	1.12	0.56	0.00
2/12/1999	1955	2	3	0	23.75	1975.58	2.02	3.03	0.00
2/13/1999	2716	0	5	0	47.75	1365.11	0.00	2.51	0.00
2/14/1999	461	0	1	0	37.50	295.04	0.00	0.64	0.00
2/15/1999	83	0	0	0	47.75	41.72	0.00	0.00	0.00
2/16/1999	430	0	0	0	49.50	208.48	0.00	0.00	0.00
2/17/1999	221	1	0	0	48.00	110.50	0.50	0.00	0.00
2/18/1999	487	0	1	0	48.50	240.99	0.00	0.49	0.00
2/19/1999	1209	0	2	0	48.00	604.50	0.00	1.00	0.00
2/20/1999	1163	3	5	0	46.25	603.50	1.56	2.59	0.00
2/21/1999	940	1	2	0	47.50	474.95	0.51	1.01	0.00
2/22/1999	509	0	0	0	50.25	243.10	0.00	0.00	0.00
2/23/1999	736	1	2	0	47.75	369.93	0.50	1.01	0.00
2/24/1999	481	0	2	0	48.25	239.25	0.00	0.99	0.00
2/25/1999	339	0	1	0	48.25	168.62	0.00	0.50	0.00
2/26/1999	243	1	1	0	49.00	119.02	0.49	0.49	0.00
2/27/1999	207	0	1	0	48.50	102.43	0.00	0.49	0.00
2/28/1999	311	0	0	0	46.75	159.66	0.00	0.00	0.00
3/1/1999	324	0	1	0	48.75	159.51	0.00	0.49	0.00
3/2/1999	121	0	0	0	48.50	59.88	0.00	0.00	0.00
3/3/1999	1095	0	1	0	48.00	547.50	0.00	0.50	0.00
3/4/1999	507	0	2	0	47.50	256.17	0.00	1.01	0.00
3/5/1999	549	0	0	0	48.00	274.50	0.00	0.00	0.00
3/6/1999	335	0	2	0	48.50	165.77	0.00	0.99	0.00
3/7/1999	291	0	1	0	48.50	144.00	0.00	0.49	0.00
3/8/1999	113	0	0	0	46.50	58.32	0.00	0.00	0.00
3/9/1999	148	0	0	0	49.00	72.49	0.00	0.00	0.00
3/10/1999	148	0	0	0	47.50	74.78	0.00	0.00	0.00
3/11/1999	222	0	0	0	48.50	109.86	0.00	0.00	0.00
3/12/1999	402	0	1	0	47.50	203.12	0.00	0.51	0.00
3/13/1999	154	0	0	0	48.50	76.21	0.00	0.00	0.00
3/14/1999	107	0	0	0	48.00	53.50	0.00	0.00	0.00
3/15/1999	88	0	2	0	48.00	44.00	0.00	1.00	0.00
3/16/1999	68	0	1	0	46.50	35.10	0.00	0.52	0.00
3/17/1999	87	0	0	0	50.50	41.35	0.00	0.00	0.00
3/18/1999	80	0	2	0	47.00	40.85	0.00	1.02	0.00
3/19/1999	84	0	0	0	49.00	41.14	0.00	0.00	0.00
3/20/1999	84	0	1	0	47.00	42.89	0.00	0.51	0.00
3/21/1999	61	0	0	0	48.00	30.50	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
3/22/1999	34	0	1	0	48.00	17.00	0.00	0.50	0.00
3/23/1999	55	0	2	0	47.50	27.79	0.00	1.01	0.00
3/24/1999	49	2	1	0	47.25	24.89	1.02	0.51	0.00
3/25/1999	50	4	1	0	49.50	24.24	1.94	0.48	0.00
3/26/1999	32	2	2	0	36.75	20.90	1.31	1.31	0.00
3/28/1999	1048	9	5	0	45.50	552.79	4.75	2.64	0.00
3/29/1999	421	7	1	0	46.50	217.29	3.61	0.52	0.00
3/30/1999	407	5	1	0	49.75	196.34	2.41	0.48	0.00
3/31/1999	146	0	1	0	45.75	76.59	0.00	0.52	0.00
4/1/1999	38	3	3	0	47.75	19.10	1.51	1.51	0.00
4/2/1999	34	2	0	0	51.00	16.00	0.94	0.00	0.00
4/3/1999	15	4	0	1	46.00	7.83	2.09	0.00	0.52
4/4/1999	31	9	0	0	49.50	15.03	4.36	0.00	0.00
4/5/1999	55	13	0	0	46.50	28.39	6.71	0.00	0.00
4/6/1999	112	18	0	0	49.00	54.86	8.82	0.00	0.00
4/7/1999	37	2	0	0	48.00	18.50	1.00	0.00	0.00
4/8/1999	58	15	0	1	46.50	29.94	7.74	0.00	0.52
4/9/1999	95	9	1	0	48.00	47.50	4.50	0.50	0.00
4/10/1999	96	3	0	0	50.00	46.08	1.44	0.00	0.00
4/11/1999	27	3	0	0	47.25	13.71	1.52	0.00	0.00
4/12/1999	19	1	0	0	48.00	9.50	0.50	0.00	0.00
4/13/1999	124	8	0	0	47.00	63.32	4.09	0.00	0.00
4/14/1999	391	14	0	21	42.50	220.80	7.91	0.00	11.86
4/15/1999	188	3	0	1	48.00	94.00	1.50	0.00	0.50
4/16/1999	38	0	0	3	48.00	19.00	0.00	0.00	1.50
4/17/1999	44	2	0	0	50.25	21.01	0.96	0.00	0.00
4/18/1999	25	0	0	1	46.75	12.83	0.00	0.00	0.51
4/19/1999	19	0	0	0	48.00	9.50	0.00	0.00	0.00
4/20/1999	17	0	0	0	48.50	8.41	0.00	0.00	0.00
4/21/1999	46	1	0	0	48.50	22.76	0.49	0.00	0.00
4/22/1999	27	0	0	0	48.00	13.50	0.00	0.00	0.00
4/23/1999	41	0	0	2	48.00	20.50	0.00	0.00	1.00
4/24/1999	383	0	0	1	47.00	195.57	0.00	0.00	0.51
4/25/1999	404	0	0	0	47.25	205.21	0.00	0.00	0.00
4/26/1999	495	0	0	0	48.75	243.69	0.00	0.00	0.00
4/27/1999	335	0	0	1	48.00	167.50	0.00	0.00	0.50
4/28/1999	216	0	0	1	49.50	104.73	0.00	0.00	0.48
4/29/1999	253	0	0	1	48.00	126.50	0.00	0.00	0.50
4/30/1999	245	0	0	0	47.25	124.44	0.00	0.00	0.00
5/1/1999	540	0	0	0	47.25	274.29	0.00	0.00	0.00
5/2/1999	1564	0	0	0	49.50	758.30	0.00	0.00	0.00
5/3/1999	308	0	0	0	46.50	158.97	0.00	0.00	0.00
5/4/1999	121	0	0	0	49.50	58.67	0.00	0.00	0.00
5/5/1999	72	0	0	0	48.00	36.00	0.00	0.00	0.00
5/6/1999	34	0	0	0	48.00	17.00	0.00	0.00	0.00
5/7/1999	65	0	0	0	47.50	32.84	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
5/8/1999	49	0	0	0	39.00	30.15	0.00	0.00	0.00
5/9/1999	60	0	0	0	47.75	30.16	0.00	0.00	0.00
5/10/1999	34	0	0	0	48.25	16.91	0.00	0.00	0.00
5/11/1999	10	0	0	0	49.25	4.87	0.00	0.00	0.00
5/12/1999	33	0	0	0	46.50	17.03	0.00	0.00	0.00
5/13/1999	50	0	0	0	48.00	25.00	0.00	0.00	0.00
5/14/1999	26	0	0	0	51.00	12.24	0.00	0.00	0.00
5/17/1999	41	0	0	0	138.00	7.13	0.00	0.00	0.00
5/18/1999	42	0	0	0	48.50	20.78	0.00	0.00	0.00
5/19/1999	64	0	0	0	47.50	32.34	0.00	0.00	0.00
5/20/1999	72	0	0	0	48.00	36.00	0.00	0.00	0.00
5/21/1999	26	0	0	0	48.25	12.93	0.00	0.00	0.00
5/24/1999	15	0	0	0	152.75	2.36	0.00	0.00	0.00
5/26/1999	1	0	0	0	85.00	0.28	0.00	0.00	0.00
5/28/1999	12	0	0	0	95.00	3.03	0.00	0.00	0.00
5/30/1999	7	0	0	0	95.00	1.77	0.00	0.00	0.00
6/1/1999	0	0	0	0	97.75	0.00	0.00	0.00	0.00
6/3/1999	3	0	0	0	95.50	0.75	0.00	0.00	0.00
6/7/1999	1	0	0	0	201.30	0.12	0.00	0.00	0.00
6/9/1999	5	0	0	0	87.75	1.37	0.00	0.00	0.00
6/11/1999	6	0	0	0	94.50	1.52	0.00	0.00	0.00
6/15/1999	3	0	0	0	193.75	0.37	0.00	0.00	0.00
10/13/1999	0	0	0	0	291.00	0.00	0.00	0.00	0.00
10/15/1999	0	0	0	0	142.00	0.00	0.00	0.00	0.00
10/18/1999	0	0	0	0	219.00	0.00	0.00	0.00	0.00
10/22/1999	0	0	0	0	285.75	0.00	0.00	0.00	0.00
10/25/1999	0	0	0	0	218.75	0.00	0.00	0.00	0.00
10/27/1999	0	0	0	0	142.50	0.00	0.00	0.00	0.00
10/29/1999	0	0	0	0	132.00	0.00	0.00	0.00	0.00
11/1/1999	0	0	0	0	228.75	0.00	0.00	0.00	0.00
11/3/1999	0	0	0	0	143.50	0.00	0.00	0.00	0.00
11/5/1999	0	0	0	0	142.00	0.00	0.00	0.00	0.00
11/8/1999	0	0	0	0	205.00	0.00	0.00	0.00	0.00
11/10/1999	0	0	0	0	151.50	0.00	0.00	0.00	0.00
11/12/1999	0	0	0	0	146.50	0.00	0.00	0.00	0.00
11/15/1999	0	0	0	0	364.50	0.00	0.00	0.00	0.00
11/17/1999	0	0	0	1	137.25	0.00	0.00	0.00	0.17
11/19/1999	0	0	0	0	101.75	0.00	0.00	0.00	0.00
11/22/1999	0	0	0	0	142.75	0.00	0.00	0.00	0.00
11/23/1999	0	0	0	0	43.75	0.00	0.00	0.00	0.00
11/24/1999	0	0	1	3	52.25	0.00	0.00	0.46	1.38
11/28/1999	0	0	0	0	103.00	0.00	0.00	0.00	0.00
11/29/1999	0	0	0	0	48.00	0.00	0.00	0.00	0.00
11/30/1999	0	0	0	0	42.75	0.00	0.00	0.00	0.00
12/1/1999	0	0	0	0	46.00	0.00	0.00	0.00	0.00
12/2/1999	0	0	0	0	71.75	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/3/1999	0	0	1	1	72.75	0.00	0.00	0.33	0.33
12/4/1999	0	0	2	4	62.75	0.00	0.00	0.76	1.53
12/5/1999	0	0	2	0	70.25	0.00	0.00	0.68	0.00
12/6/1999	0	0	2	0	89.25	0.00	0.00	0.54	0.00
12/7/1999	0	0	1	0	70.50	0.00	0.00	0.34	0.00
12/8/1999	0	0	0	0	74.25	0.00	0.00	0.00	0.00
12/9/1999	0	0	0	0	69.50	0.00	0.00	0.00	0.00
12/10/1999	0	0	0	0	74.25	0.00	0.00	0.00	0.00
12/11/1999	0	0	0	0	76.50	0.00	0.00	0.00	0.00
12/12/1999	0	0	0	0	69.25	0.00	0.00	0.00	0.00
12/13/1999	0	0	0	0	69.25	0.00	0.00	0.00	0.00
12/14/1999	0	0	0	0	68.25	0.00	0.00	0.00	0.00
12/15/1999	0	0	0	0	77.75	0.00	0.00	0.00	0.00
12/16/1999	0	0	0	0	69.00	0.00	0.00	0.00	0.00
12/17/1999	0	0	0	0	65.00	0.00	0.00	0.00	0.00
12/18/1999	0	0	0	0	81.75	0.00	0.00	0.00	0.00
12/19/1999	0	0	0	1	71.75	0.00	0.00	0.00	0.33
12/20/1999	0	0	0	0	65.00	0.00	0.00	0.00	0.00
12/21/1999	0	0	0	0	73.25	0.00	0.00	0.00	0.00
12/22/1999	0	0	0	0	72.00	0.00	0.00	0.00	0.00
12/23/1999	0	0	0	0	72.25	0.00	0.00	0.00	0.00
12/24/1999	0	0	0	0	59.25	0.00	0.00	0.00	0.00
12/26/1999	0	0	0	0	161.75	0.00	0.00	0.00	0.00
12/27/1999	0	0	0	5	66.25	0.00	0.00	0.00	1.81
12/28/1999	0	0	0	0	74.25	0.00	0.00	0.00	0.00
12/29/1999	0	0	1	2	71.00	0.00	0.00	0.34	0.68
12/30/1999	0	0	0	1	59.75	0.00	0.00	0.00	0.40
12/31/1999	0	0	0	0	44.50	0.00	0.00	0.00	0.00
1/2/2000	0	0	0	0	105.00	0.00	0.00	0.00	0.00
1/3/2000	1	0	0	0	46.00	0.52	0.00	0.00	0.00
1/4/2000	0	0	0	1	49.00	0.00	0.00	0.00	0.49
1/5/2000	0	0	0	1	48.25	0.00	0.00	0.00	0.50
1/6/2000	0	0	0	0	48.25	0.00	0.00	0.00	0.00
1/7/2000	0	0	0	0	47.50	0.00	0.00	0.00	0.00
1/9/2000	0	0	0	0	86.00	0.00	0.00	0.00	0.00
1/10/2000	0	0	0	0	60.00	0.00	0.00	0.00	0.00
1/11/2000	0	0	0	0	48.25	0.00	0.00	0.00	0.00
1/12/2000	0	0	0	2	47.50	0.00	0.00	0.00	1.01
1/13/2000	0	0	0	0	48.50	0.00	0.00	0.00	0.00
1/14/2000	0	0	0	0	49.00	0.00	0.00	0.00	0.00
1/15/2000	17	0	1	2	35.75	11.41	0.00	0.67	1.34
1/16/2000	40	0	0	3	47.25	20.32	0.00	0.00	1.52
1/17/2000	0	0	0	0	48.00	0.00	0.00	0.00	0.00
1/19/2000	12	0	0	1					
1/21/2000	184	1	0	1	49.50	89.21	0.48	0.00	0.48
1/23/2000	972	1	1	1	71.75	325.13	0.33	0.33	0.33

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
1/24/2000	680	1	0	1	20.00	816.00	1.20	0.00	1.20
1/25/2000	332	0	0	1	40.50	196.74	0.00	0.00	0.59
1/26/2000	24	0	0	0	48.25	11.94	0.00	0.00	0.00
1/27/2000	80	0	0	0	24.00	80.00	0.00	0.00	0.00
1/28/2000	923	1	2	1	21.00	1054.86	1.14	2.29	1.14
1/29/2000	619	2	0	1	23.25	638.97	2.06	0.00	1.03
1/30/2000	182	0	0	0	43.25	100.99	0.00	0.00	0.00
1/31/2000	490	0	0	1	50.25	234.03	0.00	0.00	0.48
2/1/2000	225	1	0	0	47.75	113.09	0.50	0.00	0.00
2/2/2000	1088	4	4	1	23.25	1123.10	4.13	4.13	1.03
2/3/2000	204	2	0	0	22.75	215.21	2.11	0.00	0.00
2/4/2000	495	1	3	0	48.25	246.22	0.50	1.49	0.00
2/5/2000	166	0	0	0	42.75	93.19	0.00	0.00	0.00
2/6/2000	86	0	0	0	47.75	43.23	0.00	0.00	0.00
2/7/2000	693	0	2	0	51.25	324.53	0.00	0.94	0.00
2/8/2000	1552	2	1	0	47.75	780.06	1.01	0.50	0.00
2/9/2000	1875	3	0	0	48.00	937.50	1.50	0.00	0.00
2/10/2000	588	0	1	0	46.50	303.48	0.00	0.52	0.00
2/11/2000	261	0	0	0	47.50	131.87	0.00	0.00	0.00
2/12/2000	329	0	1	0	46.75	168.90	0.00	0.51	0.00
2/13/2000	2084	4	9	0	47.50	1052.97	2.02	4.55	0.00
2/14/2000	2898	1	3	1	51.75	1344.00	0.46	1.39	0.46
2/15/2000	126	0	1	0	25.25	119.76	0.00	0.95	0.00
2/16/2000	234	0	0	0	23.25	241.55	0.00	0.00	0.00
2/17/2000	429	1	1	0	25.75	399.84	0.93	0.93	0.00
2/18/2000	804	1	2	0	44.00	438.55	0.55	1.09	0.00
2/19/2000	747	1	0	0	48.00	373.50	0.50	0.00	0.00
2/20/2000	294	4	2	0	43.75	161.28	2.19	1.10	0.00
2/21/2000	215	0	0	0	49.75	103.72	0.00	0.00	0.00
2/22/2000	171	0	0	0	49.25	83.33	0.00	0.00	0.00
2/23/2000	97	0	0	0	24.25	96.00	0.00	0.00	0.00
2/24/2000	121	0	0	0	47.50	61.14	0.00	0.00	0.00
2/25/2000	154	0	0	0	47.00	78.64	0.00	0.00	0.00
2/26/2000	101	0	0	0	44.50	54.47	0.00	0.00	0.00
2/27/2000	88	0	0	0	57.75	36.57	0.00	0.00	0.00
2/28/2000	60	0	1	0	43.25	33.29	0.00	0.55	0.00
2/29/2000	113	2	1	0	46.75	58.01	1.03	0.51	0.00
3/1/2000	79	0	0	0	48.50	39.09	0.00	0.00	0.00
3/2/2000	68	1	0	0	48.00	34.00	0.50	0.00	0.00
3/3/2000	64	0	2	0	48.00	32.00	0.00	1.00	0.00
3/4/2000	108	0	1	0	44.75	57.92	0.00	0.54	0.00
3/5/2000	141	0	1	0	46.50	72.77	0.00	0.52	0.00
3/6/2000	94	0	0	0	49.25	45.81	0.00	0.00	0.00
3/7/2000	99	2	1	0	47.75	49.76	1.01	0.50	0.00
3/8/2000	65	0	1	0	47.75	32.67	0.00	0.50	0.00
3/9/2000	58	0	0	0	48.25	28.85	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
3/11/2000	71	0	0	0	93.00	18.32	0.00	0.00	0.00
3/13/2000	21	0	1	0	101.00	4.99	0.00	0.24	0.00
3/15/2000	50	2	4	0	99.50	12.06	0.48	0.96	0.00
3/17/2000	15	0	0	0	90.50	3.98	0.00	0.00	0.00
3/20/2000	32	2	0	1	150.25	5.11	0.32	0.00	0.16
3/22/2000	53	4	0	0	88.25	14.41	1.09	0.00	0.00
3/24/2000	15	5	0	0	97.25	3.70	1.23	0.00	0.00
3/27/2000	12	0	0	0	152.00	1.89	0.00	0.00	0.00
3/29/2000	87	35	0	0	87.50	23.86	9.60	0.00	0.00
3/31/2000	22	5	0	0	94.75	5.57	1.27	0.00	0.00
4/3/2000	7	4	0	0	146.00	1.15	0.66	0.00	0.00
4/5/2000	12	2	0	0	95.00	3.03	0.51	0.00	0.00
4/7/2000	2	0	0	0	95.00	0.51	0.00	0.00	0.00
4/10/2000	15	3	0	0	144.00	2.50	0.50	0.00	0.00
4/12/2000	6	1	0	0	104.00	1.38	0.23	0.00	0.00
4/13/2000	6	2	0	0	46.00	3.13	1.04	0.00	0.00
4/14/2000	26	7	0	0	48.25	12.93	3.48	0.00	0.00
4/17/2000	3	0	0	0	137.75	0.52	0.00	0.00	0.00
4/19/2000	38	0	0	0	99.75	9.14	0.00	0.00	0.00
4/20/2000	146	0	0	0	24.00	146.00	0.00	0.00	0.00
4/21/2000	313	0	0	2	46.50	161.55	0.00	0.00	1.03
4/24/2000	16	0	0	1	142.50	2.69	0.00	0.00	0.17
4/26/2000	10	0	0	0	95.25	2.52	0.00	0.00	0.00
4/27/2000	115	0	0	0	48.50	56.91	0.00	0.00	0.00
4/28/2000	66	0	0	0	46.75	33.88	0.00	0.00	0.00
5/1/2000	11	0	0	0	144.75	1.82	0.00	0.00	0.00
5/3/2000	12	0	0	1	94.50	3.05	0.00	0.00	0.25
5/5/2000	1	0	0	0	101.00	0.24	0.00	0.00	0.00
5/8/2000	4	0	0	0	142.25	0.67	0.00	0.00	0.00
5/15/2000	9	0	0	0	341.25	0.63	0.00	0.00	0.00
5/18/2000	0	0	0	0	143.25	0.00	0.00	0.00	0.00
5/23/2000	0	0	0	0	241.50	0.00	0.00	0.00	0.00
6/2/2000	0	0	0	0	471.00	0.00	0.00	0.00	0.00
6/13/2000	1	0	0	0	530.00	0.05	0.00	0.00	0.00
6/23/2000	0	0	0	0	478.50	0.00	0.00	0.00	0.00
6/28/2000	0	0	0	0	239.25	0.00	0.00	0.00	0.00
10/6/00	0	0	0	0	215.50	0.00	0.00	0.00	0.00
10/12/00	0	0	0	0	140.75	0.00	0.00	0.00	0.00
10/17/00	0	0	0	0	118.75	0.00	0.00	0.00	0.00
10/20/00	0	0	0	0	72.00	0.00	0.00	0.00	0.00
10/24/00	0	0	0	0	96.25	0.00	0.00	0.00	0.00
10/27/00	0	0	0	0	71.75	0.00	0.00	0.00	0.00
10/30/00	0	0	0	0	71.75	0.00	0.00	0.00	0.00
11/1/00	0	0	0	0	48.75	0.00	0.00	0.00	0.00
11/2/00	0	0	0	0	25.75	0.00	0.00	0.00	0.00
11/6/00	0	0	1	0	187.75	0.00	0.00	0.13	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/8/00	0	0	0	2	95.00	0.00	0.00	0.00	0.51
11/10/00	0	0	1	0	96.00	0.00	0.00	0.25	0.00
11/13/00	0	0	0	0	143.25	0.00	0.00	0.00	0.00
11/15/00	0	0	0	0	96.50	0.00	0.00	0.00	0.00
11/17/00	0	0	0	0	96.75	0.00	0.00	0.00	0.00
11/20/00	0	0	0	0	145.25	0.00	0.00	0.00	0.00
11/22/00	0	0	0	0	94.25	0.00	0.00	0.00	0.00
11/24/00	0	0	0	0	94.75	0.00	0.00	0.00	0.00
11/27/00	0	0	0	0	146.25	0.00	0.00	0.00	0.00
11/29/00	0	0	0	0	102.75	0.00	0.00	0.00	0.00
12/1/00	0	0	0	0	94.75	0.00	0.00	0.00	0.00
12/4/00	0	0	0	0	144.25	0.00	0.00	0.00	0.00
12/6/00	0	0	0	1	96.00	0.00	0.00	0.00	0.25
12/8/00	0	0	0	1	96.25	0.00	0.00	0.00	0.25
12/11/00	0	0	1	0	139.25	0.00	0.00	0.17	0.00
12/13/00	0	0	0	0	95.50	0.00	0.00	0.00	0.00
12/15/00	0	0	0	0	103.50	0.00	0.00	0.00	0.00
12/18/00	0	0	0	0	136.75	0.00	0.00	0.00	0.00
12/20/00	4	1	12	4	94.50	1.02	0.25	3.05	1.02
12/22/00	0	1	4	1	95.75	0.00	0.25	1.00	0.25
12/26/00	1	0	2	4	192.00	0.13	0.00	0.25	0.50
12/28/00	0	0	0	0	95.50	0.00	0.00	0.00	0.00
12/30/00	0	0	0	0	93.50	0.00	0.00	0.00	0.00
1/2/01	0	0	0	0	147.25	0.00	0.00	0.00	0.00
1/5/01	0	0	0	0	144.75	0.00	0.00	0.00	0.00
1/8/01	0	0	0	0	144.50	0.00	0.00	0.00	0.00
1/9/01	0	0	0	0	46.50	0.00	0.00	0.00	0.00
1/10/01	0	0	0	0	48.50	0.00	0.00	0.00	0.00
1/11/01	0	0	1	0	49.50	0.00	0.00	0.48	0.00
1/12/01	1	1	1	1	47.75	0.50	0.50	0.50	0.50
1/13/01	0	0	11	1	45.75	0.00	0.00	5.77	0.52
1/15/01	2224	0	28	0	81.75	652.92	0.00	8.22	0.00
1/16/01	696	2	16	0	44.75	373.27	1.07	8.58	0.00
1/17/01	293	1	6	0	44.75	157.14	0.54	3.22	0.00
1/19/01	116	1	7	0	95.00	29.31	0.25	1.77	0.00
1/22/01	21	0	7	0	144.75	3.48	0.00	1.16	0.00
1/24/01	14	0	0	0	96.00	3.50	0.00	0.00	0.00
1/26/01	6	0	5	0	95.50	1.51	0.00	1.26	0.00
1/28/01	2947	1	46	1	97.50	725.42	0.25	11.32	0.25
1/29/01	5668	3	31	0	40.75	3338.21	1.77	18.26	0.00
1/30/01	3752	9	45	0	45.75	1968.26	4.72	23.61	0.00
2/1/01	1610	3	14	0	96.00	402.50	0.75	3.50	0.00
2/2/01	88	0	4	0	45.75	46.16	0.00	2.10	0.00
2/3/01	73	3	1	0	47.25	37.08	1.52	0.51	0.00
2/5/01	19	0	1	0	96.50	4.73	0.00	0.25	0.00
2/6/01	17	2	0	0	43.50	9.38	1.10	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
2/9/01	26	0	3	0	143.50	4.35	0.00	0.50	0.00
2/10/01	7	0	0	0	45.00	3.73	0.00	0.00	0.00
2/12/01	2	0	1	0	97.50	0.49	0.00	0.25	0.00
2/13/01	123	0	1	0	48.75	60.55	0.00	0.49	0.00
2/16/01	1592	16	5	0	148.00	258.16	2.59	0.81	0.00
2/17/01	1306	3	7	0	43.50	720.55	1.66	3.86	0.00
2/19/01	215	0	2	0	96.00	53.75	0.00	0.50	0.00
2/20/01	200	0	0	0	48.25	99.48	0.00	0.00	0.00
2/23/01	211	0	3	0	143.50	35.29	0.00	0.50	0.00
2/26/01	3562	2	15	0	95.75	892.83	0.50	3.76	0.00
2/28/01	3010	2	10	0	40.00	1806.00	1.20	6.00	0.00
3/1/01	5334	12	34	0	47.25	2709.33	6.10	17.27	0.00
3/2/01	542	0	5	0	44.25	293.97	0.00	2.71	0.00
3/3/01	203	1	2	0	43.75	111.36	0.55	1.10	0.00
3/4/01	235	0	2	0	48.25	116.89	0.00	0.99	0.00
3/5/01	281	0	2	0	50.50	133.54	0.00	0.95	0.00
3/6/01	34	0	2	0	47.00	17.36	0.00	1.02	0.00
3/12/01	529	4	6	0	94.00	135.06	1.02	1.53	0.00
3/13/01	66	0	0	0	44.75	35.40	0.00	0.00	0.00
3/14/01	15	0	0	0	48.00	7.50	0.00	0.00	0.00
3/16/01	30	1	1	0	100.25	7.18	0.24	0.24	0.00
3/17/01	33	1	0	0	43.50	18.21	0.55	0.00	0.00
3/19/01	29	0	0	0	100.50	6.93	0.00	0.00	0.00
3/21/01	23	2	0	0	91.00	6.07	0.53	0.00	0.00
3/23/01	8	1	0	0	96.75	1.98	0.25	0.00	0.00
3/24/01	66	8	0	0	47.00	33.70	4.09	0.00	0.00
3/26/01	111	11	0	0	97.00	27.46	2.72	0.00	0.00
3/28/01	17	11	0	0	96.00	4.25	2.75	0.00	0.00
3/30/01	16	8	0	0	94.50	4.06	2.03	0.00	0.00
3/31/01	14	4	0	0	45.50	7.38	2.11	0.00	0.00
4/2/01	8	2	0	0	99.00	1.94	0.48	0.00	0.00
4/4/01	14	3	0	0	98.50	3.41	0.73	0.00	0.00
4/6/01	10	1	0	0	93.50	2.57	0.26	0.00	0.00
4/7/01	2	1	0	0	50.00	0.96	0.48	0.00	0.00
4/9/01	0	1	0	0	95.50	0.00	0.25	0.00	0.00
4/11/01	4	14	0	0	94.50	1.02	3.56	0.00	0.00
4/13/01	3	3	0	0	96.50	0.75	0.75	0.00	0.00
4/14/01	5	0	0	0	43.50	2.76	0.00	0.00	0.00
4/16/01	0	0	0	0	101.00	0.00	0.00	0.00	0.00
4/18/01	13	0	1	0	96.25	3.24	0.00	0.25	0.00
4/20/01	168	0	0	0	95.50	42.22	0.00	0.00	0.00
4/21/01	976	0	1	0	44.25	529.36	0.00	0.54	0.00
4/23/01	50	0	0	0	97.75	12.28	0.00	0.00	0.00
4/25/01	1011	0	1	0	103.50	234.43	0.00	0.23	0.00
4/27/01	164	0	0	0	86.75	45.37	0.00	0.00	0.00
4/28/01	122	0	0	0	49.00	59.76	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
4/30/01	54	0	0	0	98.75	13.12	0.00	0.00	0.00
5/2/01	7133	0	0	0	100.25	1707.65	0.00	0.00	0.00
5/4/01	12176	0	0	0	97.00	3012.62	0.00	0.00	0.00
5/5/01	1402	0	0	0	43.25	777.99	0.00	0.00	0.00
5/7/01	8395	0	0	0	100.50	2004.78	0.00	0.00	0.00
5/9/01	7356	0	0	0	94.50	1868.19	0.00	0.00	0.00
5/11/01	2259	0	0	0	46.00	1178.61	0.00	0.00	0.00
5/14/01	791	0	0	0	72.50	261.85	0.00	0.00	0.00
5/16/01	97	0	0	0	49.75	46.79	0.00	0.00	0.00
5/18/01	12	0	0	0	43.50	6.62	0.00	0.00	0.00
5/25/01	26	0	0	0	343.75	1.82	0.00	0.00	0.00
6/1/01	7	0	0	0	75.50	2.23	0.00	0.00	0.00
6/11/01	1	0	0	0	237.00	0.10	0.00	0.00	0.00
6/15/01	0	0	0	0	95.00	0.00	0.00	0.00	0.00
11/16/01	0	0	2	0	142.00	0.00	0.00	0.34	0.00
11/19/01	0	0	9	1	142.00	0.00	0.00	1.52	0.17
11/21/01	0	0	1	0	96.50	0.00	0.00	0.25	0.00
11/24/01	0	0	5	0	145.00	0.00	0.00	0.83	0.00
11/26/01	0	0	37	3	104.00	0.00	0.00	8.54	0.69
11/27/01	0	13	44	3	20.75	0.00	15.04	50.89	3.47
11/28/01	0	27	58	2	23.50	0.00	27.57	59.23	2.04
11/29/01	0	9	22	1	22.50	0.00	9.60	23.47	1.07
11/30/01	0	3	8	1	22.75	0.00	3.16	8.44	1.05
12/01/01	0	1	15	0	46.75	0.00	0.51	7.70	0.00
12/07/01	3	15	11	3	18.25	3.95	19.73	14.47	3.95
12/11/01	5	4	6	1	48.00	2.50	2.00	3.00	0.50
12/12/01	0	2	3	0	46.50	0.00	1.03	1.55	0.00
12/13/01	3	1	3	0	59.75	1.21	0.40	1.21	0.00
12/14/01	0	0	1	0	77.25	0.00	0.00	0.31	0.00
12/15/01	1	2	4	2	45.25	0.53	1.06	2.12	1.06
12/17/01	0	0	4	0	99.50	0.00	0.00	0.96	0.00
12/18/01	7	4	5	2	23.00	7.30	4.17	5.22	2.09
12/20/01	21	10	4	4	20.25	24.89	11.85	4.74	4.74
12/21/01	13	9	5	0	36.00	8.67	6.00	3.33	0.00
12/22/01	4	1	11	0	40.00	2.40	0.60	6.60	0.00
12/24/01	148	13	5	0	45.75	77.64	6.82	2.62	0.00
12/26/01	116	14	5	0	47.75	58.30	7.04	2.51	0.00
12/27/01	126	29	9	0	35.00	86.40	19.89	6.17	0.00
12/28/01	120	1	6	0	48.00	60.00	0.50	3.00	0.00
12/29/01	44	0	5	0	46.00	22.96	0.00	2.61	0.00
12/30/01	38	2	1	0	47.00	19.40	1.02	0.51	0.00
12/31/01	363	5	21	0	49.50	176.00	2.42	10.18	0.00
01/02/02	65	4	10	0	97.75	15.96	0.98	2.46	0.00
01/03/02	259	7	3	1	41.00	151.61	4.10	1.76	0.59
01/04/02	58	2	1	0	19.25	72.31	2.49	1.25	0.00
01/05/02	216	0	0	0	22.00	235.64	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/06/02	18	0	0	0	24.00	18.00	0.00	0.00	0.00
01/07/02	46	0	0	0	19.50	56.62	0.00	0.00	0.00
01/08/02	42	0	0	0	23.75	42.44	0.00	0.00	0.00
01/09/02	181	0	0	0	42.00	103.43	0.00	0.00	0.00
01/10/02	701	2	16	0	39.50	425.92	1.22	9.72	0.00
01/11/02	716	4	12	0	46.75	367.57	2.05	6.16	0.00
01/12/02	586	5	16	0	48.50	289.98	2.47	7.92	0.00
01/13/02	483	2	13	0	48.25	240.25	0.99	6.47	0.00
01/14/02	190	2	5	0	46.50	98.06	1.03	2.58	0.00
01/15/02	236	1	2	0	47.50	119.24	0.51	1.01	0.00
01/16/02	141	2	2	1	46.00	73.57	1.04	1.04	0.52
01/17/02	104	1	3	0	50.10	49.82	0.48	1.44	0.00
01/18/02	131	1	2	0	40.00	78.60	0.60	1.20	0.00
01/19/02	117	1	3	0	47.00	59.74	0.51	1.53	0.00
01/20/02	72	0	1	0	48.00	36.00	0.00	0.50	0.00
01/21/02	62	0	0	0	48.00	31.00	0.00	0.00	0.00
01/22/02	27	1	0	0	49.00	13.22	0.49	0.00	0.00
01/23/02	42	1	0	0	48.00	21.00	0.50	0.00	0.00
01/24/02	16	1	0	0	50.00	7.68	0.48	0.00	0.00
01/25/02	28	0	0	1	42.00	16.00	0.00	0.00	0.57
01/26/02	16	0	0	0	49.00	7.84	0.00	0.00	0.00
01/27/02	36	1	0	0	47.50	18.19	0.51	0.00	0.00
01/28/02	26	1	0	0	48.50	12.87	0.49	0.00	0.00
01/29/02	21	0	2	0	48.00	10.50	0.00	1.00	0.00
01/30/02	25	0	0	0	48.50	12.37	0.00	0.00	0.00
01/31/02	35	1	0	0	48.00	17.50	0.50	0.00	0.00
02/01/02	9	0	0	0	48.00	4.50	0.00	0.00	0.00
02/02/02	82	0	0	0	46.00	42.78	0.00	0.00	0.00
02/03/02	10	0	0	0	47.50	5.05	0.00	0.00	0.00
02/04/02	27	0	1	0	48.50	13.36	0.00	0.49	0.00
02/05/02	31	1	0	0	49.00	15.18	0.49	0.00	0.00
02/06/02	34	0	0	0	48.00	17.00	0.00	0.00	0.00
02/07/02	33	1	0	0	48.00	16.50	0.50	0.00	0.00
02/08/02	86	3	0	0	48.00	43.00	1.50	0.00	0.00
02/09/02	92	1	0	0	46.00	48.00	0.52	0.00	0.00
02/10/02	68	4	2	0	47.00	34.72	2.04	1.02	0.00
02/11/02	49	7	1	0	47.00	25.02	3.57	0.51	0.00
02/12/02	37	0	0	0	47.00	18.89	0.00	0.00	0.00
02/13/02	33	1	0	0	47.50	16.67	0.51	0.00	0.00
02/14/02	24	0	0	0	47.75	12.06	0.00	0.00	0.00
02/15/02	62	0	0	0	47.00	31.66	0.00	0.00	0.00
02/16/02	52	2	1	0	49.00	25.47	0.98	0.49	0.00
02/17/02	98	2	0	0	47.00	50.04	1.02	0.00	0.00
02/18/02	78	1	0	0	47.50	39.41	0.51	0.00	0.00
02/19/02	10	0	1	0	49.00	4.90	0.00	0.49	0.00
02/20/02	18	1	0	0	52.50	8.23	0.46	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
02/21/02	15	1	0	0	42.00	8.57	0.57	0.00	0.00
02/22/02	1099	3	1	0	5.50	4795.64	13.09	4.36	0.00
02/23/02	1875	11	5	0	39.00	1153.85	6.77	3.08	0.00
02/24/02	1081	2	1	0	46.00	564.00	1.04	0.52	0.00
02/25/02	365	1	0	0	45.25	193.59	0.53	0.00	0.00
02/26/02	101	1	0	0	47.50	51.03	0.51	0.00	0.00
02/27/02	192	3	4	0	43.00	107.16	1.67	2.23	0.00
02/28/02	140	6	0	0	47.50	70.74	3.03	0.00	0.00
03/01/02	115	5	1	0	48.00	57.50	2.50	0.50	0.00
03/02/02	36	2	1	0	47.50	18.19	1.01	0.51	0.00
03/03/02	29	1	1	0	47.50	14.65	0.51	0.51	0.00
03/04/02	4	0	0	0	46.00	2.09	0.00	0.00	0.00
03/05/02	12	0	1	0	47.00	6.13	0.00	0.51	0.00
03/06/02	11	0	0	0	47.00	5.62	0.00	0.00	0.00
03/07/02	18	0	2	0	47.00	9.19	0.00	1.02	0.00
03/08/02	11	1	0	0	55.00	4.80	0.44	0.00	0.00
03/09/02	1	0	0	0	43.00	0.56	0.00	0.00	0.00
03/10/02	3	0	1	0	42.00	1.71	0.00	0.57	0.00
03/11/02	42	2	0	0	27.50	36.65	1.75	0.00	0.00
03/12/02	79	0	0	0	43.75	43.34	0.00	0.00	0.00
03/13/02	73	0	0	0	35.50	49.35	0.00	0.00	0.00
03/14/02	116	7	1	0	46.00	60.52	3.65	0.52	0.00
03/15/02	42	0	0	0	46.00	21.91	0.00	0.00	0.00
03/16/02	19	1	0	0	48.00	9.50	0.50	0.00	0.00
03/17/02	7	1	0	0	46.00	3.65	0.52	0.00	0.00
03/18/02	24	1	0	0	47.00	12.26	0.51	0.00	0.00
03/19/02	8	1	0	0	48.00	4.00	0.50	0.00	0.00
03/20/02	2	1	0	0	46.00	1.04	0.52	0.00	0.00
03/21/02	4	0	0	0	48.50	1.98	0.00	0.00	0.00
03/22/02	5	0	0	0	46.00	2.61	0.00	0.00	0.00
03/23/02	5	1	0	0	50.00	2.40	0.48	0.00	0.00
03/24/02	0	2	0	0	46.00	0.00	1.04	0.00	0.00
03/25/02	1	0	0	0	48.00	0.50	0.00	0.00	0.00
03/26/02	1	2	0	0	46.00	0.52	1.04	0.00	0.00
03/27/02	11	1	0	0	47.50	5.56	0.51	0.00	0.00
03/28/02	21	9	0	0	48.50	10.39	4.45	0.00	0.00
03/30/02	13	11	0	0	98.75	3.16	2.67	0.00	0.00
03/31/02	13	5	0	0	44.25	7.05	2.71	0.00	0.00
04/02/02	7	14	0	0	94.50	1.78	3.56	0.00	0.00
04/04/02	16	6	0	0	95.00	4.04	1.52	0.00	0.00
04/06/02	7	0	0	0	96.00	1.75	0.00	0.00	0.00
04/08/02	12	1	1	0	93.50	3.08	0.26	0.26	0.00
04/09/02	10	3	0	0	48.50	4.95	1.48	0.00	0.00
04/11/02	13	3	1	0	96.00	3.25	0.75	0.25	0.00
04/13/02	5	1	0	0	92.00	1.30	0.26	0.00	0.00
04/15/02	30	10	0	0	97.50	7.38	2.46	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
04/16/02	6	3	0	0	47.00	3.06	1.53	0.00	0.00
04/18/02	13	2	0	0	96.50	3.23	0.50	0.00	0.00
04/20/02	13	10	0	0	94.00	3.32	2.55	0.00	0.00
04/22/02	78	0	0	0	95.25	19.65	0.00	0.00	0.00
04/24/02	2139	0	3	0	96.50	531.98	0.00	0.75	0.00
04/25/02	1479	0	0	0	43.50	816.00	0.00	0.00	0.00
04/26/02	1386	0	0	0	45.00	739.20	0.00	0.00	0.00
04/27/02	577	0	0	0	42.50	325.84	0.00	0.00	0.00
04/29/02	115	0	0	0	91.50	30.16	0.00	0.00	0.00
04/30/02	137	0	0	0	46.25	71.09	0.00	0.00	0.00
05/01/02	1042	0	0	0	51.25	487.96	0.00	0.00	0.00
05/03/02	1055	0	0	0	91.00	278.24	0.00	0.00	0.00
05/04/02	132	0	0	0	44.75	70.79	0.00	0.00	0.00
05/06/02	120	0	0	0	95.25	30.24	0.00	0.00	0.00
05/08/02	492	0	0	0	92.80	127.24	0.00	0.00	0.00
05/10/02	92	0	0	0	96.25	22.94	0.00	0.00	0.00
05/11/02	72	0	0	0	42.00	41.14	0.00	0.00	0.00
05/14/02	76	0	0	0	143.25	12.73	0.00	0.00	0.00
05/16/02	37	0	0	0	95.00	9.35	0.00	0.00	0.00
05/18/02	5	0	0	0	96.00	1.25	0.00	0.00	0.00
05/20/02	86	0	0	0	71.75	28.77	0.00	0.00	0.00
05/22/02	5	0	0	0	94.75	1.27	0.00	0.00	0.00
05/24/02	12	0	0	0	94.75	3.04	0.00	0.00	0.00
05/28/02	3	0	0	0	187.50	0.38	0.00	0.00	0.00
05/30/02	6	0	0	0	94.00	1.53	0.00	0.00	0.00
06/01/02	8	0	0	0	91.25	2.10	0.00	0.00	0.00
06/03/02	6	0	0	0	95.75	1.50	0.00	0.00	0.00
06/05/02	6	0	0	0	95.50	1.51	0.00	0.00	0.00
06/10/02	9	0	0	0	238.50	0.91	0.00	0.00	0.00
06/18/02	2	0	0	0	385.00	0.12	0.00	0.00	0.00
06/24/02	1	0	0	0	287.50	0.08	0.00	0.00	0.00
10/04/02	0	0	0	0	110.50	0.00	0.00	0.00	0.00
10/11/02	0	0	3	0	335.00	0.00	0.00	0.21	0.00
10/15/02	0	0	0	0	196.50	0.00	0.00	0.00	0.00
10/17/02	0	0	0	0	96.00	0.00	0.00	0.00	0.00
10/21/02	0	0	0	0	192.75	0.00	0.00	0.00	0.00
10/28/02	0	0	0	0	331.00	0.00	0.00	0.00	0.00
11/04/02	0	0	0	0	337.25	0.00	0.00	0.00	0.00
11/07/02	0	0	0	0	137.50	0.00	0.00	0.00	0.00
11/08/02	0	0	0	0	57.00	0.00	0.00	0.00	0.00
11/09/02	0	0	3	0	37.00	0.00	0.00	1.95	0.00
11/11/02	0	0	0	0	96.75	0.00	0.00	0.00	0.00
11/12/02	0	0	0	0	43.75	0.00	0.00	0.00	0.00
11/13/02	0	0	1	0	49.75	0.00	0.00	0.48	0.00
11/14/02	0	0	2	0	45.50	0.00	0.00	1.05	0.00
11/15/02	0	0	1	0	52.25	0.00	0.00	0.46	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/18/02	0	0	0	0	141.25	0.00	0.00	0.00	0.00
11/19/02	0	0	0	0	44.00	0.00	0.00	0.00	0.00
11/20/02	0	0	0	0	48.25	0.00	0.00	0.00	0.00
11/21/02	0	0	0	0	47.50	0.00	0.00	0.00	0.00
11/23/02	0	0	0	4	100.50	0.00	0.00	0.00	0.96
11/25/02	0	0	0	0	43.00	0.00	0.00	0.00	0.00
11/26/02	0	0	0	0	48.50	0.00	0.00	0.00	0.00
11/27/02	0	0	0	0	48.75	0.00	0.00	0.00	0.00
11/30/02	0	0	0	0	146.50	0.00	0.00	0.00	0.00
12/02/02	0	0	0	1	91.50	0.00	0.00	0.00	0.26
12/04/02	0	0	0	0	95.50	0.00	0.00	0.00	0.00
12/05/02	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/06/02	0	0	0	0	53.50	0.00	0.00	0.00	0.00
12/07/02	0	0	0	0	42.00	0.00	0.00	0.00	0.00
12/08/02	0	0	0	0	52.50	0.00	0.00	0.00	0.00
12/09/02	0	0	0	0	47.25	0.00	0.00	0.00	0.00
12/10/02	0	0	0	0	46.25	0.00	0.00	0.00	0.00
12/11/02	0	0	1	0	46.00	0.00	0.00	0.52	0.00
12/12/02	0	0	0	0	48.75	0.00	0.00	0.00	0.00
12/13/02	0	0	0	0	46.50	0.00	0.00	0.00	0.00
12/14/02	0	0	0	2	45.25	0.00	0.00	0.00	1.06
12/15/02	0	0	1	0	60.00	0.00	0.00	0.40	0.00
12/16/02	540	207	178	8	46.50	278.71	106.84	91.87	4.13
12/17/02	346	160	34	3	17.25	481.39	222.61	47.30	4.17
12/18/02	190	88	19	1	21.50	212.09	98.23	21.21	1.12
12/19/02	162	97	10	0	23.00	169.04	101.22	10.43	0.00
12/20/02	685	154	52	3	38.50	427.01	96.00	32.42	1.87
12/21/02	771	145	85	3	45.75	404.46	76.07	44.59	1.57
12/22/02	53	21	44	1	46.75	27.21	10.78	22.59	0.51
12/23/02	76	22	6	2	21.00	86.86	25.14	6.86	2.29
12/24/02	1770	84	38	1	42.25	1005.44	47.72	21.59	0.57
12/27/02	111	24	3	2	50.25	53.01	11.46	1.43	0.96
12/28/02	88	5	8	1	43.50	48.55	2.76	4.41	0.55
12/29/02	2053	80	54	2	49.75	990.39	38.59	26.05	0.96
12/30/02	124	8	1	0	24.00	124.00	8.00	1.00	0.00
12/31/02	1357	33	8	1	60.50	538.31	13.09	3.17	0.40
01/01/03	366	7	10	1	44.50	197.39	3.78	5.39	0.54
01/02/03	173	5	5	0	20.25	205.04	5.93	5.93	0.00
01/03/03	1741	9	12	0	48.00	870.50	4.50	6.00	0.00
01/04/03	3873	41	45	1	47.50	1956.88	20.72	22.74	0.51
01/05/03	1737	27	17	0	47.25	882.29	13.71	8.63	0.00
01/06/03	1811	40	36	0	46.00	944.87	20.87	18.78	0.00
01/07/03	935	26	20	0	39.25	571.72	15.90	12.23	0.00
01/08/03	358	5	12	0	41.50	207.04	2.89	6.94	0.00
01/09/03	371	6	9	0	48.00	185.50	3.00	4.50	0.00
01/10/03	201	4	4	0	44.50	108.40	2.16	2.16	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/11/03	345	5	3	0	43.25	191.45	2.77	1.66	0.00
01/12/03	62	0	7	0	47.50	31.33	0.00	3.54	0.00
01/13/03	496	3	10	0	44.25	269.02	1.63	5.42	0.00
01/14/03	6417	20	12	1	43.50	3540.41	11.03	6.62	0.55
01/16/03	172	0	1	0	19.00	217.26	0.00	1.26	0.00
01/17/03	862	3	2	0	37.50	551.68	1.92	1.28	0.00
01/19/03	1593	3	4	0	95.50	400.34	0.75	1.01	0.00
01/20/03	540	4	1	0	47.50	272.84	2.02	0.51	0.00
01/21/03	641	4	4	0	49.75	309.23	1.93	1.93	0.00
01/22/03	592	4	2	0	41.00	346.54	2.34	1.17	0.00
01/23/03	828	9	4	0	52.75	376.72	4.09	1.82	0.00
01/24/03	859	12	5	0	43.50	473.93	6.62	2.76	0.00
01/25/03	2288	4	4	0	50.50	1087.37	1.90	1.90	0.00
01/26/03	863	1	5	0	36.00	575.33	0.67	3.33	0.00
01/27/03	578	1	0	0	50.50	274.69	0.48	0.00	0.00
01/28/03	1480	1	1	0	44.00	807.27	0.55	0.55	0.00
01/29/03	1147	3	4	0	46.50	592.00	1.55	2.06	0.00
01/30/03	855	0	1	0	51.00	402.35	0.00	0.47	0.00
01/31/03	736	1	2	0	43.75	403.75	0.55	1.10	0.00
02/01/03	948	0	2	0	47.25	481.52	0.00	1.02	0.00
02/02/03	1294	3	1	0	49.75	624.24	1.45	0.48	0.00
02/03/03	534	1	0	0	47.25	271.24	0.51	0.00	0.00
02/04/03	240	2	0	0	47.75	120.63	1.01	0.00	0.00
02/05/03	611	3	2	0	46.00	318.78	1.57	1.04	0.00
02/06/03	46	0	0	0	47.00	23.49	0.00	0.00	0.00
02/07/03	8	0	1	0	46.00	4.17	0.00	0.52	0.00
02/08/03	34	2	0	0	39.00	20.92	1.23	0.00	0.00
02/09/03	34	2	0	0	47.50	17.18	1.01	0.00	0.00
02/10/03	8	0	0	0	46.75	4.11	0.00	0.00	0.00
02/11/03	11	0	0	0	49.25	5.36	0.00	0.00	0.00
02/12/03	12	2	1	0	47.50	6.06	1.01	0.51	0.00
02/14/03	62	4	1	0	99.25	14.99	0.97	0.24	0.00
02/16/03	1056	22	2	0	97.50	259.94	5.42	0.49	0.00
02/18/03	713	9	0	0	94.00	182.04	2.30	0.00	0.00
02/19/03	882	5	2	0	45.00	470.40	2.67	1.07	0.00
02/20/03	2574	4	6	0	37.50	1647.36	2.56	3.84	0.00
02/21/03	802	1	1	0	45.50	423.03	0.53	0.53	0.00
02/22/03	225	0	0	0	50.50	106.93	0.00	0.00	0.00
02/23/03	333	2	0	0	47.25	169.14	1.02	0.00	0.00
02/24/03	227	1	1	0	45.75	119.08	0.52	0.52	0.00
02/25/03	161	1	4	0	48.75	79.26	0.49	1.97	0.00
02/26/03	68	1	0	0	45.25	36.07	0.53	0.00	0.00
02/27/03	33	1	0	0	46.00	17.22	0.52	0.00	0.00
02/28/03	25	1	1	0	49.25	12.18	0.49	0.49	0.00
03/01/03	30	0	0	0	47.50	15.16	0.00	0.00	0.00
03/02/03	62	3	1	0	47.50	31.33	1.52	0.51	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
03/03/03	28	2	0	0	48.50	13.86	0.99	0.00	0.00
03/04/03	24	6	1	0	48.25	11.94	2.98	0.50	0.00
03/05/03	16	3	1	0	45.50	8.44	1.58	0.53	0.00
03/06/03	11	1	0	0	48.50	5.44	0.49	0.00	0.00
03/07/03	14	6	2	0	52.25	6.43	2.76	0.92	0.00
03/08/03	7	4	0	0	46.50	3.61	2.06	0.00	0.00
03/09/03	11	7	1	0	42.00	6.29	4.00	0.57	0.00
03/10/03	16	18	1	0	50.25	7.64	8.60	0.48	0.00
03/11/03	10	10	1	0	46.50	5.16	5.16	0.52	0.00
03/12/03	6	19	2	0	48.00	3.00	9.50	1.00	0.00
03/13/03	7	8	0	0	48.00	3.50	4.00	0.00	0.00
03/14/03	8	5	0	0	46.50	4.13	2.58	0.00	0.00
03/15/03	24	12	0	0	50.00	11.52	5.76	0.00	0.00
03/17/03	5	0	0	0	31.50	3.81	0.00	0.00	0.00
03/18/03	232	13	3	0	18.00	309.33	17.33	4.00	0.00
03/19/03	103	4	0	0	19.75	125.16	4.86	0.00	0.00
03/20/03	42	4	0	0	19.75	51.04	4.86	0.00	0.00
03/21/03	10	2	0	0	43.00	5.58	1.12	0.00	0.00
03/22/03	25	6	0	0	45.50	13.19	3.16	0.00	0.00
03/24/03	30	6	0	0	96.50	7.46	1.49	0.00	0.00
03/26/03	31	10	0	0	95.00	7.83	2.53	0.00	0.00
03/28/03	63	17	0	0	97.50	15.51	4.18	0.00	0.00
03/29/03	44	17	0	0	52.50	20.11	7.77	0.00	0.00
04/01/03	18	11	2	0	137.50	3.14	1.92	0.35	0.00
04/02/03	15	9	0	0	47.00	7.66	4.60	0.00	0.00
04/04/03	13	9	0	0	94.50	3.30	2.29	0.00	0.00
04/05/03	26	13	1	0	47.75	13.07	6.53	0.50	0.00
04/07/03	9	7	0	0	95.25	2.27	1.76	0.00	0.00
04/09/03	99	0	0	0	96.00	24.75	0.00	0.00	0.00
04/11/03	425	0	0	0	93.50	109.09	0.00	0.00	0.00
04/12/03	229	0	0	0	53.25	103.21	0.00	0.00	0.00
04/14/03	169	0	2	0	89.50	45.32	0.00	0.54	0.00
04/16/03	32	0	0	1	99.50	7.72	0.00	0.00	0.24
04/18/03	25	0	0	0	49.75	12.06	0.00	0.00	0.00
04/19/03	45	0	0	0	47.75	22.62	0.00	0.00	0.00
04/21/03	14	0	1	0	97.25	3.46	0.00	0.25	0.00
04/22/03	116	0	0	0	46.00	60.52	0.00	0.00	0.00
04/23/03	306	0	0	0	46.25	158.79	0.00	0.00	0.00
04/24/03	239	0	0	0	49.50	115.88	0.00	0.00	0.00
04/25/03	95	0	0	1	46.25	49.30	0.00	0.00	0.52
04/26/03	140	0	0	0	53.75	62.51	0.00	0.00	0.00
04/28/03	11	0	0	0	94.00	2.81	0.00	0.00	0.00
04/30/03	492	0	0	6	90.00	131.20	0.00	0.00	1.60
05/02/03	49	0	0	17	95.00	12.38	0.00	0.00	4.29
05/05/03	95	0	0	61	136.00	16.76	0.00	0.00	10.76
05/07/03	40	0	0	43	87.50	10.97	0.00	0.00	11.79

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
05/09/03	27	0	0	4	94.75	6.84	0.00	0.00	1.01
05/12/03	26	0	0	4	138.50	4.51	0.00	0.00	0.69
05/16/03	5	0	0	1	191.25	0.63	0.00	0.00	0.13
05/22/03	16	0	0	0	286.50	1.34	0.00	0.00	0.00
05/28/03	14	0	0	0	295.00	1.14	0.00	0.00	0.00
06/03/03	0	0	0	0	278.00	0.00	0.00	0.00	0.00
06/11/03	2	0	0	0	384.00	0.13	0.00	0.00	0.00
06/18/03	1	0	0	0	335.50	0.07	0.00	0.00	0.00
06/25/03	1	0	0	0	333.50	0.07	0.00	0.00	0.00
10/06/03	0	0	4	0	240.00	0.00	0.00	0.40	0.00
10/10/03	0	0	0	0	189.00	0.00	0.00	0.00	0.00
10/14/03	0	0	1	0	193.00	0.00	0.00	0.12	0.00
10/17/03	0	0	0	0	142.50	0.00	0.00	0.00	0.00
10/21/03	0	0	0	0	191.75	0.00	0.00	0.00	0.00
10/24/03	0	0	0	0	144.00	0.00	0.00	0.00	0.00
10/27/03	0	0	1	0	143.00	0.00	0.00	0.17	0.00
10/30/03	0	0	0	0	145.00	0.00	0.00	0.00	0.00
11/03/03	0	0	0	0	190.00	0.00	0.00	0.00	0.00
11/06/03	0	0	0	0	144.00	0.00	0.00	0.00	0.00
11/10/03	0	0	0	0	191.00	0.00	0.00	0.00	0.00
11/12/03	0	0	0	0	96.75	0.00	0.00	0.00	0.00
11/14/03	0	0	0	1	94.00	0.00	0.00	0.00	0.26
11/17/03	0	0	4	0	145.00	0.00	0.00	0.66	0.00
11/19/03	0	0	0	0	105.00	0.00	0.00	0.00	0.00
11/21/03	0	0	1	1	87.50	0.00	0.00	0.27	0.27
11/24/03	0	0	0	0	143.50	0.00	0.00	0.00	0.00
11/26/03	0	0	0	0	96.00	0.00	0.00	0.00	0.00
11/28/03	0	0	0	0	102.00	0.00	0.00	0.00	0.00
12/01/03	0	0	0	0	139.00	0.00	0.00	0.00	0.00
12/03/03	0	0	0	0	96.50	0.00	0.00	0.00	0.00
12/05/03	0	0	0	0	95.00	0.00	0.00	0.00	0.00
12/08/03	0	0	147	1	153.50	0.00	0.00	22.98	0.16
12/09/03	8	72	278	6	39.75	4.83	43.47	167.85	3.62
12/10/03	152	495	487	9	48.75	74.83	243.69	239.75	4.43
12/12/03	151	329	312	4	95.50	37.95	82.68	78.41	1.01
12/13/03	33	80	66	1	46.00	17.22	41.74	34.43	0.52
12/15/03	22	51	125	2	108.25	4.88	11.31	27.71	0.44
12/16/03	0	0	0	0	43.75	0.00	0.00	0.00	0.00
12/17/03	88	63	5	0	42.50	49.69	35.58	2.82	0.00
12/18/03	54	62	18	1	38.50	33.66	38.65	11.22	0.62
12/19/03	15	40	56	2	39.50	9.11	24.30	34.03	1.22
12/20/03	33	19	58	1	48.50	16.33	9.40	28.70	0.49
12/22/03	9	10	42	0	96.75	2.23	2.48	10.42	0.00
12/23/03	120	57	51	0	47.75	60.31	28.65	25.63	0.00
12/24/03	140	27	10	1	48.50	69.28	13.36	4.95	0.49
12/27/03	578	50	14	0	17.25	804.17	69.57	19.48	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/29/03	656	17	25	0	48.00	328.00	8.50	12.50	0.00
12/30/03	371	28	11	1	50.25	177.19	13.37	5.25	0.48
12/31/03	240	38	32	0	47.75	120.63	19.10	16.08	0.00
01/02/04	124	10	6	0	46.00	64.70	5.22	3.13	0.00
01/05/04	1,266	3	23	1	72.75	417.65	0.99	7.59	0.33
01/06/04	1,966	16	22	0	48.50	972.87	7.92	10.89	0.00
01/07/04	693	18	2	0	55.00	302.40	7.85	0.87	0.00
01/08/04	386	13	8	0	44.00	210.55	7.09	4.36	0.00
01/09/04	265	10	11	0	46.25	137.51	5.19	5.71	0.00
01/10/04	262	17	3	0	48.75	128.98	8.37	1.48	0.00
01/12/04	3,557	35	22	0	101.00	845.23	8.32	5.23	0.00
01/13/04	3,093	33	8	0	43.50	1706.48	18.21	4.41	0.00
01/14/04	2415	26	22	1	48.00	1207.50	13.00	11.00	0.50
01/15/04	1008	9	9	0	47.50	509.31	4.55	4.55	0.00
01/16/04	703	3	4	0	48.00	351.50	1.50	2.00	0.00
01/17/04	820	5	2	0	48.00	410.00	2.50	1.00	0.00
01/19/04	663	2	4	0	96.00	165.75	0.50	1.00	0.00
01/20/04	217	2	5	0	48.50	107.38	0.99	2.47	0.00
01/21/04	122	4	0	0	48.00	61.00	2.00	0.00	0.00
01/22/04	157	1	0	0	47.25	79.75	0.51	0.00	0.00
01/23/04	223	1	2	0	48.00	111.50	0.50	1.00	0.00
01/24/04	166	0	1	0	46.00	86.61	0.00	0.52	0.00
01/26/04	349	3	0	0	99.25	84.39	0.73	0.00	0.00
01/27/04	128	0	0	0	46.50	66.06	0.00	0.00	0.00
01/28/04	188	0	0	0	49.25	91.61	0.00	0.00	0.00
01/29/04	73	0	0	0	47.25	37.08	0.00	0.00	0.00
01/30/04	195	1	0	0	47.75	98.01	0.50	0.00	0.00
01/31/04	5,959	4	3	0	46.50	3075.61	2.06	1.55	0.00
02/01/04	6,362	0	3	0	49.00	3116.08	0.00	1.47	0.00
02/02/04	1,392	5	0	0	45.75	730.23	2.62	0.00	0.00
02/03/04	584	0	1	0	49.75	281.73	0.00	0.48	0.00
02/04/04	95	0	1	0	46.00	49.57	0.00	0.52	0.00
02/05/04	491	3	1	0	44.00	267.82	1.64	0.55	0.00
02/06/04	15,759	18	22	0	45.25	8358.36	9.55	11.67	0.00
02/07/04	5,364	0	1	0	48.75	2640.74	0.00	0.49	0.00
02/08/04	2,689	3	5	0	46.25	1395.37	1.56	2.59	0.00
02/09/04	2,157	12	0	0	49.50	1045.82	5.82	0.00	0.00
02/10/04	3,372	4	3	0	47.50	1703.75	2.02	1.52	0.00
02/11/04	975	2	0	0	47.25	495.24	1.02	0.00	0.00
02/12/04	684	2	2	0	48.50	338.47	0.99	0.99	0.00
02/13/04	559	2	2	0	47.00	285.45	1.02	1.02	0.00
02/14/04	572	2	5	0	47.00	292.09	1.02	2.55	0.00
02/15/04	491	1	1	0	47.75	246.79	0.50	0.50	0.00
02/16/04	652	4	1	0	49.75	314.53	1.93	0.48	0.00
02/17/04	895	5	7	0	48.75	440.62	2.46	3.45	0.00
02/18/04	4234	10	17	0	49.25	2063.27	4.87	8.28	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
02/19/04	722	4	2	0	47.50	364.80	2.02	1.01	0.00
02/20/04	1940	1	2	0	39.75	1171.32	0.60	1.21	0.00
02/21/04	2379	2	1	0	47.25	1208.38	1.02	0.51	0.00
02/22/04	1684	2	4	0	47.00	859.91	1.02	2.04	0.00
02/23/04	1606	2	0	0	46.75	824.47	1.03	0.00	0.00
02/24/04	1216	1	3	0	48.75	598.65	0.49	1.48	0.00
02/26/04	794	1	1	0	98.50	193.46	0.24	0.24	0.00
02/27/04	383	0	0	0	45.00	204.27	0.00	0.00	0.00
02/28/04	317	0	1	0	48.50	156.87	0.00	0.49	0.00
02/29/04	1526	2	2	0	47.00	779.23	1.02	1.02	0.00
03/01/04	639	1	0	0	49.75	308.26	0.48	0.00	0.00
03/02/04	806	2	3	0	46.00	420.52	1.04	1.57	0.00
03/03/04	895	2	1	0	51.00	421.18	0.94	0.47	0.00
03/04/04	486	0	3	0	46.25	252.19	0.00	1.56	0.00
03/05/04	574	2	0	0	49.50	278.30	0.97	0.00	0.00
03/06/04	203	1	1	0	45.00	108.27	0.53	0.53	0.00
03/07/04	409	3	6	0	48.50	202.39	1.48	2.97	0.00
03/08/04	192	0	2	0	48.50	95.01	0.00	0.99	0.00
03/09/04	188	1	1	0	48.50	93.03	0.49	0.49	0.00
03/10/04	117	1	2	0	49.50	56.73	0.48	0.97	0.00
03/11/04	142	4	4	0	46.50	73.29	2.06	2.06	0.00
03/12/04	52	2	1	0	48.50	25.73	0.99	0.49	0.00
03/13/04	195	9	7	0	49.00	95.51	4.41	3.43	0.00
03/14/04	81	4	1	0	49.00	39.67	1.96	0.49	0.00
03/15/04	107	6	3	0	48.00	53.50	3.00	1.50	0.00
03/16/04	209	14	7	0	44.75	112.09	7.51	3.75	0.00
03/17/04	240	21	6	0	48.25	119.38	10.45	2.98	0.00
03/18/04	363	17	2	0	50.00	174.24	8.16	0.96	0.00
03/19/04	123	4	0	0	45.50	64.88	2.11	0.00	0.00
03/20/04	1009	33	5	0	52.25	463.46	15.16	2.30	0.00
03/21/04	717	26	1	0	50.00	344.16	12.48	0.48	0.00
03/22/04	515	22	0	0	43.75	282.51	12.07	0.00	0.00
03/23/04	298	18	0	0	46.50	153.81	9.29	0.00	0.00
03/24/04	489	20	1	0	47.75	245.78	10.05	0.50	0.00
03/25/04	121	8	0	0	49.25	58.96	3.90	0.00	0.00
03/26/04	91	9	0	0	48.25	45.26	4.48	0.00	0.00
03/27/04	32	2	0	0	48.25	15.92	0.99	0.00	0.00
03/28/04	28	2	0	0	46.50	14.45	1.03	0.00	0.00
03/29/04	53	5	0	0	50.00	25.44	2.40	0.00	0.00
03/30/04	32	2	0	0	44.75	17.16	1.07	0.00	0.00
03/31/04	15	4	0	0	48.75	7.38	1.97	0.00	0.00
04/01/04	45	12	0	0	48.50	22.27	5.94	0.00	0.00
04/02/04	31	12	0	0	47.25	15.75	6.10	0.00	0.00
04/03/04	17	4	0	0	48.25	8.46	1.99	0.00	0.00
04/04/04	26	2	0	0	47.50	13.14	1.01	0.00	0.00
04/05/04	27	9	1	0	47.00	13.79	4.60	0.51	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
04/06/04	3	2	0	0	47.50	1.52	1.01	0.00	0.00
04/07/04	3	1	0	0	53.75	1.34	0.45	0.00	0.00
04/08/04	3	0	0	0	42.00	1.71	0.00	0.00	0.00
04/09/04	1	0	0	0	49.50	0.48	0.00	0.00	0.00
04/10/04	29	1	0	0	51.25	13.58	0.47	0.00	0.00
04/12/04	31	0	0	0	94.50	7.87	0.00	0.00	0.00
04/13/04	11	1	0	0	45.00	5.87	0.53	0.00	0.00
04/14/04	34	1	0	0	48.75	16.74	0.49	0.00	0.00
04/15/04	30	3	0	0	49.00	14.69	1.47	0.00	0.00
04/16/04	5	0	0	0	46.25	2.59	0.00	0.00	0.00
04/17/04	1	0	0	0	48.50	0.49	0.00	0.00	0.00
04/18/04	4	0	0	0	47.25	2.03	0.00	0.00	0.00
04/19/04	11	0	0	0	49.50	5.33	0.00	0.00	0.00
04/20/04	67	0	0	0	46.25	34.77	0.00	0.00	0.00
04/21/04	541	0	0	0	49.50	262.30	0.00	0.00	0.00
04/22/04	1031	0	0	0	48.25	512.83	0.00	0.00	0.00
04/23/04	586	0	0	0	48.50	289.98	0.00	0.00	0.00
04/24/04	216	0	0	0	47.00	110.30	0.00	0.00	0.00
04/25/04	221	0	0	0	48.00	110.50	0.00	0.00	0.00
04/26/04	265	0	0	0	47.75	133.19	0.00	0.00	0.00
04/27/04	121	0	0	0	47.50	61.14	0.00	0.00	0.00
04/28/04	541	0	0	0	49.00	264.98	0.00	0.00	0.00
04/29/04	4970	0	0	0	52.00	2293.85	0.00	0.00	0.00
04/30/04	2550	0	0	0	54.25	1128.11	0.00	0.00	0.00
05/01/04	497	0	0	0	38.00	313.89	0.00	0.00	0.00
05/02/04	153	0	0	0	56.50	64.99	0.00	0.00	0.00
05/03/04	18	0	0	0	39.00	11.08	0.00	0.00	0.00
05/04/04	104	0	0	0	47.50	52.55	0.00	0.00	0.00
05/05/04	115	0	0	0	48.50	56.91	0.00	0.00	0.00
05/06/04	41	0	0	0	47.00	20.94	0.00	0.00	0.00
05/07/04	21	0	0	0	48.75	10.34	0.00	0.00	0.00
05/08/04	9	0	0	0	47.00	4.60	0.00	0.00	0.00
05/10/04	14	0	0	0	97.50	3.45	0.00	0.00	0.00
05/11/04	21	0	0	0	47.50	10.61	0.00	0.00	0.00
05/12/04	19	0	0	0	48.00	9.50	0.00	0.00	0.00
05/13/04	10	0	0	0	58.25	4.12	0.00	0.00	0.00
05/14/04	4	0	0	0	38.00	2.53	0.00	0.00	0.00
05/15/04	4	0	0	0	46.50	2.06	0.00	0.00	0.00
05/17/04	23	0	0	0	98.00	5.63	0.00	0.00	0.00
05/19/04	20	0	0	0	95.50	5.03	0.00	0.00	0.00
05/21/04	3	0	0	0	94.50	0.76	0.00	0.00	0.00
05/24/04	12	0	0	0	145.00	1.99	0.00	0.00	0.00
05/26/04	5	0	0	0	96.00	1.25	0.00	0.00	0.00
05/28/04	6	0	0	0	97.00	1.48	0.00	0.00	0.00
06/01/04	3	0	0	0	197.25	0.37	0.00	0.00	0.00
06/02/04	3	0	0	0	41.25	1.75	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
06/04/04	6	0	0	0	97.75	1.47	0.00	0.00	0.00
06/07/04	3	0	0	0	145.50	0.49	0.00	0.00	0.00
06/09/04	0	0	0	0	95.00	0.00	0.00	0.00	0.00
06/11/04	0	0	0	0	98.00	0.00	0.00	0.00	0.00
06/14/04	0	0	0	0	143.00	0.00	0.00	0.00	0.00
06/16/04	0	0	0	0	91.75	0.00	0.00	0.00	0.00
06/18/04	0	0	0	0	97.75	0.00	0.00	0.00	0.00
06/21/04	1	0	0	0	143.50	0.17	0.00	0.00	0.00
06/23/04	0	0	0	0	97.50	0.00	0.00	0.00	0.00
06/25/04	0	0	0	0	94.75	0.00	0.00	0.00	0.00
06/28/04	0	0	0	0	145.00	0.00	0.00	0.00	0.00
06/30/04	0	0	0	0	96.00	0.00	0.00	0.00	0.00
10/29/04	0	0	1	1	93.00	0.00	0.00	0.26	0.26
11/01/04	0	0	36	11	142.75	0.00	0.00	6.05	1.85
11/03/04	0	0	1	0	96.50	0.00	0.00	0.25	0.00
11/05/04	0	0	1	0	95.00	0.00	0.00	0.25	0.00
11/08/04	0	0	1	0	145.75	0.00	0.00	0.16	0.00
11/10/04	0	0	0	0	93.75	0.00	0.00	0.00	0.00
11/12/04	0	0	0	0	95.75	0.00	0.00	0.00	0.00
11/15/04	0	0	1	0	144.25	0.00	0.00	0.17	0.00
11/17/04	0	0	0	0	95.75	0.00	0.00	0.00	0.00
11/19/04	0	0	1	0	98.00	0.00	0.00	0.24	0.00
11/22/04	0	0	0	0	146.75	0.00	0.00	0.00	0.00
11/24/04	0	0	0	1	91.50	0.00	0.00	0.00	0.26
11/26/04	0	0	0	0	95.00	0.00	0.00	0.00	0.00
11/29/04	0	0	0	1	144.50	0.00	0.00	0.00	0.17
12/01/04	0	0	1	5	96.50	0.00	0.00	0.25	1.24
12/03/04	0	0	0	2	98.50	0.00	0.00	0.00	0.49
12/06/04	0	0	0	0	139.50	0.00	0.00	0.00	0.00
12/08/04	0	0	2	0	97.00	0.00	0.00	0.49	0.00
12/10/04	0	0	40	0	104.50	0.00	0.00	9.19	0.00
12/11/04	71	115	91	1	36.50	46.68	75.62	59.84	0.66
12/13/04	322	189	275	7	98.00	78.86	46.29	67.35	1.71
12/14/04	22	17	56	1	48.00	11.00	8.50	28.00	0.50
12/15/04	5	4	11	0	47.00	2.55	2.04	5.62	0.00
12/17/04	0	3	7	1	95.75	0.00	0.75	1.75	0.25
12/20/04	1	0	3	0	144.25	0.17	0.00	0.50	0.00
12/22/04	0	0	0	0	95.25	0.00	0.00	0.00	0.00
12/23/04	0	0	0	0	47.75	0.00	0.00	0.00	0.00
12/27/04	0	0	0	0	193.00	0.00	0.00	0.00	0.00
12/29/04	4	4	0	0	98.50	0.97	0.97	0.00	0.00
12/30/04	939	19	12	1	41.75	539.78	10.92	6.90	0.57
12/31/04	880	17	8	0	48.75	433.23	8.37	3.94	0.00
01/01/05	894	6	11	0	44.50	482.16	3.24	5.93	0.00
01/02/05	654	19	13	1	49.75	315.50	9.17	6.27	0.48
01/03/05	502	23	13	0	47.00	256.34	11.74	6.64	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/04/05	357	24	20	1	49.50	173.09	11.64	9.70	0.48
01/05/05	459	23	30	0	47.00	234.38	11.74	15.32	0.00
01/06/05	146	8	16	0	47.50	73.77	4.04	8.08	0.00
01/07/05	134	12	15	0	49.50	64.97	5.82	7.27	0.00
01/08/05	68	1	7	0	46.50	35.10	0.52	3.61	0.00
01/09/05	73	6	9	0	47.00	37.28	3.06	4.60	0.00
01/10/05	304	8	12	1	51.25	142.36	3.75	5.62	0.47
01/11/05	378	8	10	1	46.75	194.05	4.11	5.13	0.51
01/12/05	298	9	5	0	47.25	151.37	4.57	2.54	0.00
01/13/05	165	2	7	0	51.75	76.52	0.93	3.25	0.00
01/14/05	1,368	17	23	0	44.25	741.97	9.22	12.47	0.00
01/15/05	615	6	11	0	47.50	310.74	3.03	5.56	0.00
01/16/05	234	3	4	0	48.50	115.79	1.48	1.98	0.00
01/17/05	112	0	2	0	50.50	53.23	0.00	0.95	0.00
01/18/05	51	2	1	0	45.00	27.20	1.07	0.53	0.00
01/19/05	41	0	1	0	48.50	20.29	0.00	0.49	0.00
01/20/05	15	1	1	0	47.75	7.54	0.50	0.50	0.00
01/21/05	15	0	0	0	48.00	7.50	0.00	0.00	0.00
01/22/05	11	0	0	0	47.75	5.53	0.00	0.00	0.00
01/23/05	15	1	0	0	49.75	7.24	0.48	0.00	0.00
01/24/05	10	0	0	0	47.50	5.05	0.00	0.00	0.00
01/25/05	10	0	0	0	47.75	5.03	0.00	0.00	0.00
01/26/05	5	0	0	0	48.25	2.49	0.00	0.00	0.00
01/27/05	6	0	0	0	47.25	3.05	0.00	0.00	0.00
01/28/05	44	0	1	0	50.00	21.12	0.00	0.48	0.00
01/29/05	2,286	3	6	0	49.75	1102.79	1.45	2.89	0.00
01/30/05	5,792	5	13	0	51.00	2725.65	2.35	6.12	0.00
01/31/05	5,523	8	6	0	45.25	2929.33	4.24	3.18	0.00
02/01/05	2,126	6	5	0	46.00	1109.22	3.13	2.61	0.00
02/02/05	1,034	6	5	0	46.50	533.68	3.10	2.58	0.00
02/03/05	196	0	0	0	53.00	88.75	0.00	0.00	0.00
02/04/05	112	0	1	0	42.25	63.62	0.00	0.57	0.00
02/05/05	203	0	0	0	47.50	102.57	0.00	0.00	0.00
02/06/05	120	2	1	0	49.00	58.78	0.98	0.49	0.00
02/07/05	73	0	0	0	48.25	36.31	0.00	0.00	0.00
02/08/05	56	0	0	0	48.00	28.00	0.00	0.00	0.00
02/09/05	47	0	0	0	48.50	23.26	0.00	0.00	0.00
02/10/05	22	0	0	0	47.50	11.12	0.00	0.00	0.00
02/11/05	19	0	1	0	47.25	9.65	0.00	0.51	0.00
02/12/05	10	0	0	0	47.25	5.08	0.00	0.00	0.00
02/13/05	15	0	0	0	48.00	7.50	0.00	0.00	0.00
02/14/05	14	0	0	0	48.50	6.93	0.00	0.00	0.00
02/15/05	15	0	0	0	48.50	7.42	0.00	0.00	0.00
02/16/05	29	0	0	0	48.25	14.42	0.00	0.00	0.00
02/17/05	26	0	0	0	47.75	13.07	0.00	0.00	0.00
02/18/05	34	0	0	0	49.25	16.57	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
02/19/05	25	0	0	0	46.75	12.83	0.00	0.00	0.00
02/20/05	30	0	0	0	48.00	15.00	0.00	0.00	0.00
02/21/05	36	2	0	0	46.25	18.68	1.04	0.00	0.00
02/22/05	347	5	3	0	51.75	160.93	2.32	1.39	0.00
02/23/05	1,713	25	6	0	47.75	860.98	12.57	3.02	0.00
02/24/05	641	5	0	0	55.00	279.71	2.18	0.00	0.00
02/25/05	1,300	6	2	0	40.25	775.16	3.58	1.19	0.00
02/26/05	1,909	6	14	0	49.00	935.02	2.94	6.86	0.00
02/27/05	916	4	6	0	47.00	467.74	2.04	3.06	0.00
02/28/05	406	6	3	0	47.00	207.32	3.06	1.53	0.00
03/01/05	220	4	1	0	48.00	110.00	2.00	0.50	0.00
03/02/05	761	5	3	0	50.00	365.28	2.40	1.44	0.00
03/03/05	1,392	11	4	0	46.75	714.61	5.65	2.05	0.00
03/04/05	419	2	0	0	47.75	210.60	1.01	0.00	0.00
03/05/05	425	4	0	0	47.50	214.74	2.02	0.00	0.00
03/06/05	230	2	1	0	49.00	112.65	0.98	0.49	0.00
03/07/05	135	1	1	0	46.00	70.43	0.52	0.52	0.00
03/08/05	69	1	0	0	46.00	36.00	0.52	0.00	0.00
03/09/05	32	1	0	0	50.75	15.13	0.47	0.00	0.00
03/10/05	65	0	1	0	47.50	32.84	0.00	0.51	0.00
03/11/05	54	3	1	0	47.25	27.43	1.52	0.51	0.00
03/12/05	53	3	0	0	48.50	26.23	1.48	0.00	0.00
03/13/05	58	9	0	0	48.00	29.00	4.50	0.00	0.00
03/14/05	53	10	0	0	47.00	27.06	5.11	0.00	0.00
03/15/05	19	5	0	0	48.75	9.35	2.46	0.00	0.00
03/16/05	4	0	0	0	46.75	2.05	0.00	0.00	0.00
03/17/05	2	0	1	0	49.50	0.97	0.00	0.48	0.00
03/18/05	1	0	0	0	49.00	0.49	0.00	0.00	0.00
03/19/05	1	0	0	0	48.00	0.50	0.00	0.00	0.00
03/20/05	0	0	0	0	46.50	0.00	0.00	0.00	0.00
03/21/05	1	0	0	0	47.50	0.51	0.00	0.00	0.00
03/22/05	0	1	0	0	48.00	0.00	0.50	0.00	0.00
03/23/05	4	3	1	0	48.75	1.97	1.48	0.49	0.00
03/24/05	4	5	3	0	49.25	1.95	2.44	1.46	0.00
03/25/05	388	42	1	0	40.50	229.93	24.89	0.59	0.00
03/26/05	1386	45	1	0	49.75	668.62	21.71	0.48	0.00
03/27/05	234	21	0	0	43.75	128.37	11.52	0.00	0.00
03/28/05	142	13	0	0	53.25	64.00	5.86	0.00	0.00
03/29/05	26	7	0	0	45.75	13.64	3.67	0.00	0.00
03/30/05	13	5	1	0	48.50	6.43	2.47	0.49	0.00
03/31/05	166	41	0	0	48.50	82.14	20.29	0.00	0.00
04/01/05	94	15	0	0	47.25	47.75	7.62	0.00	0.00
04/02/05	32	4	0	0	48.25	15.92	1.99	0.00	0.00
04/03/05	43	6	0	2	48.50	21.28	2.97	0.00	0.99
04/04/05	41	3	0	0	47.75	20.61	1.51	0.00	0.00
04/05/05	17	4	0	0	47.75	8.54	2.01	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
04/06/05	18	5	0	0	47.50	9.09	2.53	0.00	0.00
04/07/05	3	1	0	1	49.50	1.45	0.48	0.00	0.48
04/08/05	12	2	0	0	46.50	6.19	1.03	0.00	0.00
04/09/05	17	3	0	0	48.00	8.50	1.50	0.00	0.00
04/10/05	11	5	0	1	49.50	5.33	2.42	0.00	0.48
04/11/05	19	2	0	0	47.00	9.70	1.02	0.00	0.00
04/12/05	5	0	0	0	48.00	2.50	0.00	0.00	0.00
04/13/05	14	0	0	0	49.50	6.79	0.00	0.00	0.00
04/14/05	9	1	0	0	46.25	4.67	0.52	0.00	0.00
04/15/05	7	1	0	0	48.25	3.48	0.50	0.00	0.00
04/16/05	6	0	0	0	49.50	2.91	0.00	0.00	0.00
04/17/05	13	0	0	0	47.50	6.57	0.00	0.00	0.00
04/18/05	23	0	0	0	48.50	11.38	0.00	0.00	0.00
04/19/05	79	0	0	0	47.00	40.34	0.00	0.00	0.00
04/20/05	730	0	0	0	47.25	370.79	0.00	0.00	0.00
04/21/05	753	0	0	0	47.25	382.48	0.00	0.00	0.00
04/22/05	535	0	1	0	47.75	268.90	0.00	0.50	0.00
04/23/05	116	0	0	0	50.25	55.40	0.00	0.00	0.00
04/24/05	103	0	0	0	45.75	54.03	0.00	0.00	0.00
04/25/05	72	0	0	0	49.25	35.09	0.00	0.00	0.00
04/26/05	34	0	0	0	48.25	16.91	0.00	0.00	0.00
04/27/05	35	0	0	0	46.50	18.06	0.00	0.00	0.00
04/28/05	25	0	0	0	48.00	12.50	0.00	0.00	0.00
04/29/05	14	0	0	0	49.00	6.86	0.00	0.00	0.00
04/30/05	13	0	0	0	49.50	6.30	0.00	0.00	0.00
05/01/05	15	0	0	0	47.50	7.58	0.00	0.00	0.00
05/02/05	17	0	0	0	46.50	8.77	0.00	0.00	0.00
05/03/05	21	0	0	0	46.50	10.84	0.00	0.00	0.00
05/04/05	180	0	0	0	48.00	90.00	0.00	0.00	0.00
05/05/05	508	0	0	0	48.00	254.00	0.00	0.00	0.00
05/06/05	144	0	0	0	47.75	72.38	0.00	0.00	0.00
05/07/05	140	0	0	0	48.25	69.64	0.00	0.00	0.00
05/09/05	139	0	0	0	96.00	34.75	0.00	0.00	0.00
05/10/05	73	0	0	0	48.50	36.12	0.00	0.00	0.00
05/11/05	191	0	0	25	52.50	87.31	0.00	0.00	11.43
05/12/05	598	0	0	103	43.50	329.93	0.00	0.00	56.83
05/13/05	74	0	0	24	48.25	36.81	0.00	0.00	11.94
05/14/05	38	0	0	6	49.25	18.52	0.00	0.00	2.92
05/16/05	13	0	0	3	96.50	3.23	0.00	0.00	0.75
05/18/05	22	0	0	1	94.00	5.62	0.00	0.00	0.26
05/20/05	142	0	0	15	96.50	35.32	0.00	0.00	3.73
05/21/05	60	0	0	32	42.50	33.88	0.00	0.00	18.07
05/23/05	177	0	0	32	90.75	46.81	0.00	0.00	8.46
05/24/05	31	0	0	8	48.00	15.50	0.00	0.00	4.00
05/25/05	18	0	0	1	47.50	9.09	0.00	0.00	0.51
05/27/05	23	0	0	1	97.00	5.69	0.00	0.00	0.25

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
05/31/05	13	0	0	0	191.25	1.63	0.00	0.00	0.00
06/01/05	11	0	0	1	48.00	5.50	0.00	0.00	0.50
06/03/05	12	0	0	0	95.75	3.01	0.00	0.00	0.00
06/06/05	12	0	0	0	145.00	1.99	0.00	0.00	0.00
06/08/05	3	0	0	0	97.00	0.74	0.00	0.00	0.00
06/10/05	4	0	0	0	95.00	1.01	0.00	0.00	0.00
06/13/05	2	0	0	0	145.00	0.33	0.00	0.00	0.00
06/15/05	2	0	0	0	94.00	0.51	0.00	0.00	0.00
06/17/05	0	0	0	0	103.00	0.00	0.00	0.00	0.00
06/20/05	0	0	0	0	139.25	0.00	0.00	0.00	0.00
06/22/05	0	0	0	0	96.25	0.00	0.00	0.00	0.00
06/24/05	1	0	0	0	96.00	0.25	0.00	0.00	0.00
06/27/05	1	0	0	0	144.00	0.17	0.00	0.00	0.00
06/30/05	1	0	0	0	143.50	0.17	0.00	0.00	0.00
10/11/2005	0	0	5	0	228.00	0.00	0.00	0.53	0.00
10/14/2005	0	0	4	0	144.00	0.00	0.00	0.67	0.00
10/17/2005	0	0	6	0	146.00	0.00	0.00	0.99	0.00
10/21/2005	0	0	4	0	190.00	0.00	0.00	0.51	0.00
10/24/2005	0	0	3	0	143.50	0.00	0.00	0.50	0.00
10/28/2005	0	0	3	0	195.00	0.00	0.00	0.37	0.00
10/31/2005	0	0	2	0	137.25	0.00	0.00	0.35	0.00
11/4/2005	0	0	1	0	190.50	0.00	0.00	0.13	0.00
11/7/2005	0	0	1	0	143.50	0.00	0.00	0.17	0.00
11/9/2005	0	0	3	0	97.00	0.00	0.00	0.74	0.00
11/10/2005	0	0	2	0	48.00	0.00	0.00	1.00	0.00
11/14/2005	0	1	209	7	192.50	0.00	0.12	26.06	0.87
11/15/2005	0	2	71	0	48.25	0.00	0.99	35.32	0.00
11/16/2005	0	0	17	1	50.25	0.00	0.00	8.12	0.48
11/17/2005	0	0	4	0	44.00	0.00	0.00	2.18	0.00
11/18/2005	0	0	3	0	47.50	0.00	0.00	1.52	0.00
11/19/2005	0	0	1	0	49.00	0.00	0.00	0.49	0.00
11/20/2005	0	0	3	0	49.25	0.00	0.00	1.46	0.00
11/21/2005	0	0	0	0	47.25	0.00	0.00	0.00	0.00
11/23/2005	0	0	1	0	94.25	0.00	0.00	0.25	0.00
11/26/2005	0	0	2	0	144.50	0.00	0.00	0.33	0.00
11/27/2005	0	0	0	0	50.00	0.00	0.00	0.00	0.00
11/28/2005	0	0	1	0	46.50	0.00	0.00	0.52	0.00
11/29/2005	0	0	0	0	46.50	0.00	0.00	0.00	0.00
11/30/2005	0	0	0	0	49.00	0.00	0.00	0.00	0.00
12/1/2005	0	0	0	0	49.50	0.00	0.00	0.00	0.00
12/2/2005	0	0	4	0	45.25	0.00	0.00	2.12	0.00
12/3/2005	0	0	7	0	51.25	0.00	0.00	3.28	0.00
12/4/2005	5	40	227	9	47.75	2.51	20.10	114.09	4.52
12/5/2005	20	117	172	7	46.50	10.32	60.39	88.77	3.61
12/6/2005	22	91	89	6	47.00	11.23	46.47	45.45	3.06
12/7/2005	5	32	55	2	47.00	2.55	16.34	28.09	1.02

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/8/2005	8	12	33	0	47.75	4.02	6.03	16.59	0.00
12/9/2005	2	4	23	0	48.00	1.00	2.00	11.50	0.00
12/10/2005	3	1	3	0	47.25	1.52	0.51	1.52	0.00
12/11/2005	2	0	2	0	49.50	0.97	0.00	0.97	0.00
12/12/2005	0	0	0	0	46.75	0.00	0.00	0.00	0.00
12/14/2005	0	2	0	0	97.25	0.00	0.49	0.00	0.00
12/16/2005	1	0	0	0	95.00	0.25	0.00	0.00	0.00
12/17/2005	1	0	0	0	49.00	0.49	0.00	0.00	0.00
12/18/2005	0	0	0	0	48.50	0.00	0.00	0.00	0.00
12/19/2005	0	2	1	0	46.00	0.00	1.04	0.52	0.00
12/20/2005	1	2	4	0	50.00	0.48	0.96	1.92	0.00
12/21/2005	169	37	50	4	53.00	76.53	16.75	22.64	1.81
12/22/2005	598	129	91	2	43.25	331.84	71.58	50.50	1.11
12/23/2005	929	42	90	3	47.75	466.93	21.11	45.24	1.51
12/24/2005	586	11	173	1	47.50	296.08	5.56	87.41	0.51
12/26/2005	484	34	112	1	96.25	120.69	8.48	27.93	0.25
12/27/2005	139	16	26	1	47.50	70.23	8.08	13.14	0.51
12/28/2005	139	10	21	0	48.75	68.43	4.92	10.34	0.00
12/29/2005	918	8	27	0	47.00	468.77	4.09	13.79	0.00
12/30/2005	750	1	12	0	47.50	378.95	0.51	6.06	0.00
12/31/2005	305	1	6	0	48.00	152.50	0.50	3.00	0.00
1/3/2006	709	0	5	0	141.50	120.25	0.00	0.85	0.00
1/4/2006	393	2	1	0	47.00	200.68	1.02	0.51	0.00
1/5/2006	445	3	5	0	48.00	222.50	1.50	2.50	0.00
1/6/2006	428	1	4	1	47.75	215.12	0.50	2.01	0.50
1/7/2006	445	1	4	0	48.25	221.35	0.50	1.99	0.00
1/8/2006	547	4	3	0	47.50	276.38	2.02	1.52	0.00
1/9/2006	618	1	14	0	48.50	305.81	0.49	6.93	0.00
1/10/2006	305	2	1	0	47.25	154.92	1.02	0.51	0.00
1/11/2006	299	0	2	0	47.25	151.87	0.00	1.02	0.00
1/12/2006	434	2	1	0	50.00	208.32	0.96	0.48	0.00
1/13/2006	212	1	0	0	47.25	107.68	0.51	0.00	0.00
1/14/2006	225	0	0	0	48.75	110.77	0.00	0.00	0.00
1/15/2006	213	1	0	0	49.00	104.33	0.49	0.00	0.00
1/16/2006	291	0	0	0	46.50	150.19	0.00	0.00	0.00
1/17/2006	126	0	0	0	48.75	62.03	0.00	0.00	0.00
1/18/2006	156	1	0	0	47.00	79.66	0.51	0.00	0.00
1/19/2006	253	1	0	0	48.75	124.55	0.49	0.00	0.00
1/20/2006	286	5	3	0	47.50	144.51	2.53	1.52	0.00
1/21/2006	320	8	4	0	47.25	162.54	4.06	2.03	0.00
1/22/2006	353	7	4	0	48.25	175.59	3.48	1.99	0.00
1/23/2006	396	6	5	0	48.75	194.95	2.95	2.46	0.00
1/24/2006	184	6	0	0	48.25	91.52	2.98	0.00	0.00
1/25/2006	95	1	2	0	48.75	46.77	0.49	0.98	0.00
1/26/2006	62	1	1	0	46.00	32.35	0.52	0.52	0.00
1/27/2006	89	2	0	0	48.75	43.82	0.98	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
1/28/2006	45	1	0	0	47.50	22.74	0.51	0.00	0.00
1/29/2006	94	0	1	0	51.00	44.24	0.00	0.47	0.00
1/30/2006	137	1	0	0	45.50	72.26	0.53	0.00	0.00
1/31/2006	394	6	2	0	53.25	177.58	2.70	0.90	0.00
2/1/2006	1147	2	1	0	44.00	625.64	1.09	0.55	0.00
2/2/2006	1626	10	5	0	48.25	808.79	4.97	2.49	0.00
2/3/2006	138	1	0	0	58.50	56.62	0.41	0.00	0.00
2/4/2006	208	3	0	0	42.50	117.46	1.69	0.00	0.00
2/5/2006	1130	7	2	0	44.25	612.88	3.80	1.08	0.00
2/6/2006	1834	17	4	0	47.00	936.51	8.68	2.04	0.00
2/7/2006	1179	2	10	0	46.00	615.13	1.04	5.22	0.00
2/8/2006	487	0	0	0	49.75	234.93	0.00	0.00	0.00
2/9/2006	317	0	2	0	46.50	163.61	0.00	1.03	0.00
2/10/2006	235	0	0	0	47.50	118.74	0.00	0.00	0.00
2/11/2006	410	3	4	0	46.50	211.61	1.55	2.06	0.00
2/12/2006	117	2	0	0	48.50	57.90	0.99	0.00	0.00
2/13/2006	152	2	0	0	49.25	74.07	0.97	0.00	0.00
2/14/2006	111	1	6	0	47.25	56.38	0.51	3.05	0.00
2/15/2006	67	1	0	0	48.00	33.50	0.50	0.00	0.00
2/16/2006	19	0	0	0	49.25	9.26	0.00	0.00	0.00
2/17/2006	43	0	0	0	53.75	19.20	0.00	0.00	0.00
2/18/2006	32	1	1	0	42.50	18.07	0.56	0.56	0.00
2/19/2006	34	0	1	0	48.00	17.00	0.00	0.50	0.00
2/20/2006	30	2	1	0	46.25	15.57	1.04	0.52	0.00
2/21/2006	45	0	0	0	48.25	22.38	0.00	0.00	0.00
2/22/2006	36	2	0	0	48.50	17.81	0.99	0.00	0.00
2/23/2006	40	9	3	0	47.50	20.21	4.55	1.52	0.00
2/24/2006	53	16	3	0	49.00	25.96	7.84	1.47	0.00
2/25/2006	72	10	0	0	47.50	36.38	5.05	0.00	0.00
2/26/2006	92	29	2	0	46.50	47.48	14.97	1.03	0.00
2/27/2006	93	12	1	0	48.00	46.50	6.00	0.50	0.00
2/28/2006	155	33	6	0	48.50	76.70	16.33	2.97	0.00
3/1/2006	667	54	9	0	50.00	320.16	25.92	4.32	0.00
3/2/2006	583	18	2	0	51.75	270.38	8.35	0.93	0.00
3/3/2006	681	9	1	0	41.75	391.47	5.17	0.57	0.00
3/4/2006	487	0	0	0	48.50	240.99	0.00	0.00	0.00
3/5/2006	227	2	0	0	47.50	114.69	1.01	0.00	0.00
3/6/2006	237	0	0	0	48.00	118.50	0.00	0.00	0.00
3/7/2006	176	1	0	0	44.50	94.92	0.54	0.00	0.00
3/8/2006	172	2	0	0	58.00	71.17	0.83	0.00	0.00
3/9/2006	80	0	0	0	42.75	44.91	0.00	0.00	0.00
3/10/2006	194	1	0	0	47.50	98.02	0.51	0.00	0.00
3/11/2006	251	1	1	0	49.25	122.31	0.49	0.49	0.00
3/12/2006	200	1	0	0	48.00	100.00	0.50	0.00	0.00
3/13/2006	171	0	1	0	46.50	88.26	0.00	0.52	0.00
3/14/2006	75	1	1	0	48.00	37.50	0.50	0.50	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
3/15/2006	70	0	0	0	47.00	35.74	0.00	0.00	0.00
3/16/2006	43	0	0	0	47.75	21.61	0.00	0.00	0.00
3/17/2006	77	0	0	0	48.00	38.50	0.00	0.00	0.00
3/18/2006	89	0	2	0	49.75	42.93	0.00	0.96	0.00
3/19/2006	135	3	2	0	46.00	70.43	1.57	1.04	0.00
3/20/2006	214	2	0	0	48.75	105.35	0.98	0.00	0.00
3/21/2006	69	0	0	0	48.50	34.14	0.00	0.00	0.00
3/22/2006	39	0	0	0	48.50	19.30	0.00	0.00	0.00
3/23/2006	26	0	0	0	47.25	13.21	0.00	0.00	0.00
3/24/2006	14	0	1	0	47.50	7.07	0.00	0.51	0.00
3/25/2006	11	0	0	0	46.50	5.68	0.00	0.00	0.00
3/26/2006	14	0	0	0	52.50	6.40	0.00	0.00	0.00
3/27/2006	32	1	0	0	44.75	17.16	0.54	0.00	0.00
3/28/2006	104	0	0	0	47.50	52.55	0.00	0.00	0.00
3/29/2006	68	0	0	0	48.25	33.82	0.00	0.00	0.00
3/30/2006	35	0	0	0	48.50	17.32	0.00	0.00	0.00
3/31/2006	25	1	0	0	46.25	12.97	0.52	0.00	0.00
4/1/2006	38	0	0	0	48.25	18.90	0.00	0.00	0.00
4/2/2006	12	0	0	0	52.50	5.49	0.00	0.00	0.00
4/3/2006	63	1	0	0	46.50	32.52	0.52	0.00	0.00
4/4/2006	56	2	0	0	46.50	28.90	1.03	0.00	0.00
4/5/2006	71	1	1	1	48.25	35.32	0.50	0.50	0.50
4/6/2006	60	3	0	0	47.50	30.32	1.52	0.00	0.00
4/7/2006	64	1	1	0	47.50	32.34	0.51	0.51	0.00
4/8/2006	31	0	1	0	48.75	15.26	0.00	0.49	0.00
4/9/2006	38	1	0	0	48.00	19.00	0.50	0.00	0.00
4/10/2006	28	0	0	3	47.00	14.30	0.00	0.00	1.53
4/11/2006	12	0	0	0	47.50	6.06	0.00	0.00	0.00
4/12/2006	17	1	0	2	47.75	8.54	0.50	0.00	1.01
4/13/2006	72	6	1	4	45.75	37.77	3.15	0.52	2.10
4/14/2006	146	0	0	7	41.00	85.46	0.00	0.00	4.10
4/15/2006	98	0	1	8	45.50	51.69	0.00	0.53	4.22
4/16/2006	113	0	0	20	53.50	50.69	0.00	0.00	8.97
4/17/2006	171	0	0	32	45.00	91.20	0.00	0.00	17.07
4/18/2006	100	0	1	13	47.75	50.26	0.00	0.50	6.53
4/19/2006	128	0	0	12	48.00	64.00	0.00	0.00	6.00
4/20/2006	181	0	0	12	49.00	88.65	0.00	0.00	5.88
4/21/2006	306	0	0	17	47.25	155.43	0.00	0.00	8.63
4/22/2006	310	0	0	9	48.25	154.20	0.00	0.00	4.48
4/23/2006	294	0	0	9	45.25	155.93	0.00	0.00	4.77
4/24/2006	148	0	0	14	50.50	70.34	0.00	0.00	6.65
4/25/2006	120	0	0	8	48.50	59.38	0.00	0.00	3.96
4/26/2006	139	0	0	6	46.50	71.74	0.00	0.00	3.10
4/27/2006	133	0	0	7	48.50	65.81	0.00	0.00	3.46
4/28/2006	121	0	0	7	48.00	60.50	0.00	0.00	3.50
4/29/2006	72	0	0	0	49.00	35.27	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
4/30/2006	97	0	0	0	51.75	44.99	0.00	0.00	0.00
5/1/2006	339	0	0	12	48.50	167.75	0.00	0.00	5.94
5/2/2006	498	0	0	5	43.50	274.76	0.00	0.00	2.76
5/3/2006	273	0	0	9	47.25	138.67	0.00	0.00	4.57
5/4/2006	182	0	0	9	48.00	91.00	0.00	0.00	4.50
5/5/2006	99	0	0	7	46.50	51.10	0.00	0.00	3.61
5/6/2006	36	0	0	0	51.00	16.94	0.00	0.00	0.00
5/7/2006	53	0	0	0	43.00	29.58	0.00	0.00	0.00
5/8/2006	95	0	0	2	50.50	45.15	0.00	0.00	0.95
5/9/2006	109	0	0	4	48.00	54.50	0.00	0.00	2.00
5/10/2006	202	0	0	3	48.50	99.96	0.00	0.00	1.48
5/11/2006	58	0	0	3	48.50	28.70	0.00	0.00	1.48
5/12/2006	61	0	0	1	47.25	30.98	0.00	0.00	0.51
5/13/2006	38	0	0	0	44.75	20.38	0.00	0.00	0.00
5/14/2006	22	0	0	1	50.00	10.56	0.00	0.00	0.48
5/15/2006	21	0	0	1	48.50	10.39	0.00	0.00	0.49
5/16/2006	10	0	0	0	47.50	5.05	0.00	0.00	0.00
5/17/2006	14	0	0	0	49.25	6.82	0.00	0.00	0.00
5/18/2006	25	0	0	1	46.25	12.97	0.00	0.00	0.52
5/19/2006	13	0	0	0	48.00	6.50	0.00	0.00	0.00
5/22/2006	11	0	0	0	144.50	1.83	0.00	0.00	0.00
5/24/2006	13	0	0	0	95.50	3.27	0.00	0.00	0.00
5/26/2006	7	0	0	0	96.00	1.75	0.00	0.00	0.00
5/30/2006	20	0	0	0	195.00	2.46	0.00	0.00	0.00
5/31/2006	7	0	0	0	38.50	4.36	0.00	0.00	0.00
6/2/2006	3	0	0	0	98.50	0.73	0.00	0.00	0.00
6/5/2006	5	0	0	0	144.50	0.83	0.00	0.00	0.00
6/7/2006	3	0	0	0	93.50	0.77	0.00	0.00	0.00
6/9/2006	3	0	0	0	94.50	0.76	0.00	0.00	0.00
6/12/2006	4	0	0	0	145.00	0.66	0.00	0.00	0.00
6/14/2006	4	0	0	0	95.50	1.01	0.00	0.00	0.00
6/16/2006	8	0	0	0	96.00	2.00	0.00	0.00	0.00
6/19/2006	1	0	0	0	144.00	0.17	0.00	0.00	0.00
6/23/2006	2	0	0	0	191.25	0.25	0.00	0.00	0.00
6/26/2006	1	0	0	0	152.50	0.16	0.00	0.00	0.00
6/30/2006	1	0	0	0	185.50	0.13	0.00	0.00	0.00
10/06/06	0	0	2	0	192.00	0.00	0.00	0.25	0.00
10/10/06	0	0	1	0	190.00	0.00	0.00	0.13	0.00
10/13/06	0	0	1	0	144.00	0.00	0.00	0.17	0.00
10/17/06	0	0	3	1	192.00	0.00	0.00	0.38	0.13
10/20/06	0	0	2	0	143.75	0.00	0.00	0.33	0.00
10/24/06	0	0	3	0	192.25	0.00	0.00	0.37	0.00
10/27/06	0	0	1	1	144.00	0.00	0.00	0.17	0.17
10/31/06	0	0	1	0	193.00	0.00	0.00	0.12	0.00
11/03/06	0	0	0	0	146.00	0.00	0.00	0.00	0.00
11/07/06	0	0	1	0	195.00	0.00	0.00	0.12	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/10/06	0	0	0	0	141.00	0.00	0.00	0.00	0.00
11/14/06	0	0	1	0	192.25	0.00	0.00	0.12	0.00
11/17/06	0	0	2	1	142.75	0.00	0.00	0.34	0.17
11/21/06	0	0	1	0	195.00	0.00	0.00	0.12	0.00
11/27/06	0	0	4	1	287.50	0.00	0.00	0.33	0.08
11/28/06	0	0	0	2	46.50	0.00	0.00	0.00	1.03
11/29/06	0	0	1	0	49.25	0.00	0.00	0.49	0.00
11/30/06	0	0	1	0	47.00	0.00	0.00	0.51	0.00
12/01/06	0	0	0	0	48.75	0.00	0.00	0.00	0.00
12/02/06	0	0	5	2	46.50	0.00	0.00	2.58	1.03
12/03/06	0	0	9	0	48.50	0.00	0.00	4.45	0.00
12/04/06	0	0	2	0	44.50	0.00	0.00	1.08	0.00
12/05/06	0	0	3	0	51.00	0.00	0.00	1.41	0.00
12/06/06	0	0	2	0	48.50	0.00	0.00	0.99	0.00
12/07/06	0	0	2	0	48.00	0.00	0.00	1.00	0.00
12/08/06	0	0	0	0	50.00	0.00	0.00	0.00	0.00
12/09/06	0	0	4	0	45.00	0.00	0.00	2.13	0.00
12/10/06	0	0	2	0	48.50	0.00	0.00	0.99	0.00
12/11/06	0	0	2	0	46.00	0.00	0.00	1.04	0.00
12/12/06	0	0	1	0	51.75	0.00	0.00	0.46	0.00
12/13/06	0	1	1	0	47.25	0.00	0.51	0.51	0.00
12/14/06	0	0	7	0	44.50	0.00	0.00	3.78	0.00
12/15/06	3	5	74	1	49.00	1.47	2.45	36.24	0.49
12/16/06	4	3	74	3	52.25	1.84	1.38	33.99	1.38
12/17/06	70	28	176	1	46.25	36.32	14.53	91.33	0.52
12/18/06	16	9	52	0	47.00	8.17	4.60	26.55	0.00
12/19/06	13	9	17	0	49.50	6.30	4.36	8.24	0.00
12/20/06	8	1	5	0	48.00	4.00	0.50	2.50	0.00
12/21/06	2	0	0	0	43.50	1.10	0.00	0.00	0.00
12/22/06	2	0	1	0	51.00	0.94	0.00	0.47	0.00
12/23/06	0	0	1	0	47.00	0.00	0.00	0.51	0.00
12/24/06	0	0	0	0	48.50	0.00	0.00	0.00	0.00
12/26/06	0	0	0	0	96.00	0.00	0.00	0.00	0.00
12/27/06	2	0	0	0	49.00	0.98	0.00	0.00	0.00
12/28/06	1	0	3	0	47.50	0.51	0.00	1.52	0.00
12/29/06	52	1	25	0	51.00	24.47	0.47	11.76	0.00
12/30/06	650	0	13	0	53.50	291.59	0.00	5.83	0.00
12/31/06	428	2	33	0	44.00	233.45	1.09	18.00	0.00
01/01/07	215	5	25	0	41.75	123.59	2.87	14.37	0.00
01/02/07	73	2	13	0	47.00	37.28	1.02	6.64	0.00
01/03/07	26	2	4	0	49.00	12.73	0.98	1.96	0.00
01/04/07	9	0	1	0	50.25	4.30	0.00	0.48	0.00
01/05/07	18	0	7	0	44.00	9.82	0.00	3.82	0.00
01/06/07	5	0	1	0	49.50	2.42	0.00	0.48	0.00
01/07/07	3	0	1	0	50.00	1.44	0.00	0.48	0.00
01/08/07	3	0	1	0	44.00	1.64	0.00	0.55	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/09/07	7	0	5	0	49.00	3.43	0.00	2.45	0.00
01/10/07	4	0	2	0	48.00	2.00	0.00	1.00	0.00
01/11/07	3	0	1	0	48.50	1.48	0.00	0.49	0.00
01/12/07	2	0	3	0	48.50	0.99	0.00	1.48	0.00
01/13/07	6	0	0	0	48.75	2.95	0.00	0.00	0.00
01/14/07	5	0	0	0	48.25	2.49	0.00	0.00	0.00
01/15/07	3	0	0	0	51.50	1.40	0.00	0.00	0.00
01/16/07	1	0	0	0	43.00	0.56	0.00	0.00	0.00
01/17/07	2	0	0	0	48.75	0.98	0.00	0.00	0.00
01/18/07	3	0	0	0	45.75	1.57	0.00	0.00	0.00
01/19/07	5	0	0	0	50.50	2.38	0.00	0.00	0.00
01/20/07	5	0	0	0	49.75	2.41	0.00	0.00	0.00
01/21/07	1	0	0	0	45.25	0.53	0.00	0.00	0.00
01/22/07	4	0	0	0	50.25	1.91	0.00	0.00	0.00
01/23/07	2	0	1	0	45.25	1.06	0.00	0.53	0.00
01/24/07	2	0	0	0	49.50	0.97	0.00	0.00	0.00
01/25/07	4	0	0	0	47.00	2.04	0.00	0.00	0.00
01/26/07	1	0	0	0	46.50	0.52	0.00	0.00	0.00
01/27/07	1	0	0	0	51.00	0.47	0.00	0.00	0.00
01/28/07	0	0	0	0	46.50	0.00	0.00	0.00	0.00
01/29/07	0	0	0	0	52.50	0.00	0.00	0.00	0.00
01/31/07	1	0	1	0	91.50	0.26	0.00	0.26	0.00
02/02/07	0	0	1	0	95.50	0.00	0.00	0.25	0.00
02/03/07	0	0	0	0	50.50	0.00	0.00	0.00	0.00
02/05/07	0	0	0	0	94.00	0.00	0.00	0.00	0.00
02/07/07	0	0	0	0	101.00	0.00	0.00	0.00	0.00
02/08/07	0	0	1	0	43.00	0.00	0.00	0.56	0.00
02/10/07	1	0	0	0	102.00	0.24	0.00	0.00	0.00
02/11/07	7	1	5	0	46.00	3.65	0.52	2.61	0.00
02/12/07	260	6	2	0	48.75	128.00	2.95	0.98	0.00
02/13/07	5704	27	23	0	47.75	2866.93	13.57	11.56	0.00
02/14/07	2762	16	7	0	41.50	1597.30	9.25	4.05	0.00
02/15/07	1994	14	13	0	47.25	1012.83	7.11	6.60	0.00
02/16/07	483	6	3	0	45.25	256.18	3.18	1.59	0.00
02/17/07	276	3	1	0	50.25	131.82	1.43	0.48	0.00
02/18/07	303	3	2	0	48.00	151.50	1.50	1.00	0.00
02/19/07	304	1	0	0	47.00	155.23	0.51	0.00	0.00
02/20/07	346	1	0	0	48.25	172.10	0.50	0.00	0.00
02/21/07	287	0	0	0	45.75	150.56	0.00	0.00	0.00
02/22/07	177	1	0	0	48.00	88.50	0.50	0.00	0.00
02/23/07	147	0	0	0	48.50	72.74	0.00	0.00	0.00
02/24/07	150	3	0	0	51.00	70.59	1.41	0.00	0.00
02/25/07	340	3	0	0	48.25	169.12	1.49	0.00	0.00
02/26/07	198	0	0	0	45.50	104.44	0.00	0.00	0.00
02/27/07	95	0	0	0	47.75	47.75	0.00	0.00	0.00
02/28/07	135	0	0	0	47.50	68.21	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
03/01/07	254	1	0	0	48.00	127.00	0.50	0.00	0.00
03/02/07	136	0	0	0	47.00	69.45	0.00	0.00	0.00
03/03/07	120	2	0	0	50.25	57.31	0.96	0.00	0.00
03/04/07	124	0	0	0	48.25	61.68	0.00	0.00	0.00
03/05/07	77	0	0	0	46.00	40.17	0.00	0.00	0.00
03/06/07	74	0	1	0	48.00	37.00	0.00	0.50	0.00
03/07/07	85	4	0	0	48.00	42.50	2.00	0.00	0.00
03/08/07	49	1	0	0	48.00	24.50	0.50	0.00	0.00
03/09/07	59	0	0	0	46.50	30.45	0.00	0.00	0.00
03/10/07	42	0	0	0	51.00	19.76	0.00	0.00	0.00
03/11/07	47	0	0	0	46.25	24.39	0.00	0.00	0.00
03/12/07	12	1	0	0	45.75	6.30	0.52	0.00	0.00
03/13/07	18	1	2	0	50.00	8.64	0.48	0.96	0.00
03/14/07	19	0	0	0	49.00	9.31	0.00	0.00	0.00
03/15/07	42	2	0	0	45.50	22.15	1.05	0.00	0.00
03/16/07	36	2	0	0	48.50	17.81	0.99	0.00	0.00
03/17/07	56	1	0	0	51.00	26.35	0.47	0.00	0.00
03/18/07	35	1	0	0	53.50	15.70	0.45	0.00	0.00
03/19/07	9	1	0	0	40.50	5.33	0.59	0.00	0.00
03/21/07	7	1	0	0	95.75	1.75	0.25	0.00	0.00
03/23/07	4	2	0	0	95.25	1.01	0.50	0.00	0.00
03/25/07	0	0	0	0	100.00	0.00	0.00	0.00	0.00
03/27/07	5	1	0	0	91.75	1.31	0.26	0.00	0.00
03/29/07	1	1	0	0	98.25	0.24	0.24	0.00	0.00
03/31/07	1	1	0	0	97.25	0.25	0.25	0.00	0.00
04/02/07	2	0	0	0	93.75	0.51	0.00	0.00	0.00
04/04/07	3	0	0	0	96.50	0.75	0.00	0.00	0.00
04/06/07	3	1	0	0	96.00	0.75	0.25	0.00	0.00
04/08/07	11	3	0	0	97.50	2.71	0.74	0.00	0.00
04/10/07	6	6	0	0	98.25	1.47	1.47	0.00	0.00
04/12/07	7	4	0	0	91.75	1.83	1.05	0.00	0.00
04/14/07	5	4	0	0	97.00	1.24	0.99	0.00	0.00
04/16/07	6	2	0	0	96.25	1.50	0.50	0.00	0.00
04/18/07	65	0	0	0	95.50	16.34	0.00	0.00	0.00
04/19/07	64	0	0	0	47.25	32.51	0.00	0.00	0.00
04/20/07	52	0	0	0	46.00	27.13	0.00	0.00	0.00
04/22/07	47	0	0	0	105.00	10.74	0.00	0.00	0.00
04/24/07	22	0	0	0	90.00	5.87	0.00	0.00	0.00
04/26/07	31	0	0	0	95.75	7.77	0.00	0.00	0.00
04/27/07	42	0	0	0	46.25	21.79	0.00	0.00	0.00
04/29/07	416	0	0	0	99.75	100.09	0.00	0.00	0.00
04/30/07	401	0	0	0	48.50	198.43	0.00	0.00	0.00
05/01/07	218	0	0	0	48.25	108.44	0.00	0.00	0.00
05/02/07	94	0	0	0	44.50	50.70	0.00	0.00	0.00
05/03/07	30	0	0	0	47.50	15.16	0.00	0.00	0.00
05/04/07	18	0	0	0	49.50	8.73	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
05/05/07	35	0	0	0	49.50	16.97	0.00	0.00	0.00
05/07/07	58	0	0	0	93.50	14.89	0.00	0.00	0.00
05/08/07	27	0	0	0	46.00	14.09	0.00	0.00	0.00
05/10/07	11	0	0	0	97.25	2.71	0.00	0.00	0.00
05/11/07	13	0	0	0	46.25	6.75	0.00	0.00	0.00
05/12/07	15	0	0	0	52.25	6.89	0.00	0.00	0.00
05/14/07	10	0	0	0	52.25	4.59	0.00	0.00	0.00
05/15/07	16	0	0	0	48.50	7.92	0.00	0.00	0.00
05/17/07	10	0	0	0	96.75	2.48	0.00	0.00	0.00
05/18/07	2	0	0	0	46.25	1.04	0.00	0.00	0.00
05/20/07	4	0	0	0	100.50	0.96	0.00	0.00	0.00
05/21/07	3	0	0	0	44.00	1.64	0.00	0.00	0.00
05/24/07	6	0	0	0	145.00	0.99	0.00	0.00	0.00
05/29/07	13	0	0	0	241.50	1.29	0.00	0.00	0.00
06/01/07	7	0	0	0	414.75	0.41	0.00	0.00	0.00
06/05/07	1	0	0	0	193.50	0.12	0.00	0.00	0.00
06/08/07	1	0	0	0	145.25	0.17	0.00	0.00	0.00
06/12/07	1	0	0	0	191.25	0.13	0.00	0.00	0.00
06/15/07	2	0	0	0	144.50	0.33	0.00	0.00	0.00
06/19/07	0	0	0	0	192.25	0.00	0.00	0.00	0.00
06/22/07	0	0	0	0	143.25	0.00	0.00	0.00	0.00
06/26/07	1	0	0	0	190.50	0.13	0.00	0.00	0.00
06/28/07	1	0	0	0	95.75	0.25	0.00	0.00	0.00
10/15/07	0	0	0	0	95.50	0.00	0.00	0.00	0.00
10/19/07	0	1	0	0	191.00	0.00	0.13	0.00	0.00
10/22/07	0	0	0	0	145.25	0.00	0.00	0.00	0.00
10/26/07	0	0	0	0	191.00	0.00	0.00	0.00	0.00
10/29/07	0	0	0	0	144.25	0.00	0.00	0.00	0.00
11/02/07	0	0	0	0	192.25	0.00	0.00	0.00	0.00
11/05/07	0	0	0	0	142.75	0.00	0.00	0.00	0.00
11/09/07	0	0	0	0	193.00	0.00	0.00	0.00	0.00
11/13/07	0	0	0	0	192.50	0.00	0.00	0.00	0.00
11/16/07	0	0	0	0	142.50	0.00	0.00	0.00	0.00
11/20/07	0	0	0	0	192.50	0.00	0.00	0.00	0.00
11/26/07	0	0	0	0	288.00	0.00	0.00	0.00	0.00
11/29/07	0	0	0	1	143.00	0.00	0.00	0.00	0.17
12/03/07	0	0	0	0	195.50	0.00	0.00	0.00	0.00
12/04/07	0	0	0	0	44.50	0.00	0.00	0.00	0.00
12/05/07	0	0	0	1	48.00	0.00	0.00	0.00	0.50
12/06/07	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/07/07	0	0	0	0	52.50	0.00	0.00	0.00	0.00
12/10/07	0	0	0	1	141.75	0.00	0.00	0.00	0.17
12/12/07	0	0	1	0	95.25	0.00	0.00	0.25	0.00
12/13/07	0	0	0	0	47.50	0.00	0.00	0.00	0.00
12/14/07	0	0	0	1	48.00	0.00	0.00	0.00	0.50
12/17/07	0	0	0	0	145.25	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
12/18/07	0	0	0	0	47.00	0.00	0.00	0.00	0.00
12/19/07	0	0	0	0	47.50	0.00	0.00	0.00	0.00
12/20/07	0	0	0	0	50.00	0.00	0.00	0.00	0.00
12/21/07	0	0	1	0	48.00	0.00	0.00	0.50	0.00
12/22/07	0	0	1	0	49.25	0.00	0.00	0.49	0.00
12/23/07	0	0	2	0	46.75	0.00	0.00	1.03	0.00
12/24/07	1	2	1	0	47.25	0.51	1.02	0.51	0.00
12/26/07	15	0	1	0	96.00	3.75	0.00	0.25	0.00
12/27/07	6	0	2	0	48.75	2.95	0.00	0.98	0.00
12/28/07	0	0	0	0	47.75	0.00	0.00	0.00	0.00
12/30/07	2	0	1	0	95.25	0.50	0.00	0.25	0.00
12/31/07	0	0	1	0	48.00	0.00	0.00	0.50	0.00
01/02/08	1	0	0	0	96.50	0.25	0.00	0.00	0.00
01/03/08	0	0	0	0	47.25	0.00	0.00	0.00	0.00
01/05/08	0	0	7	0	96.75	0.00	0.00	1.74	0.00
01/06/08	227	11	12	0	54.50	99.96	4.84	5.28	0.00
01/07/08	1,047	11	30	3	44.75	561.52	5.90	16.09	1.61
01/08/08	3,500	23	23	3	47.00	1787.23	11.74	11.74	1.53
01/09/08	1,490	31	47	1	47.75	748.90	15.58	23.62	0.50
01/10/08	990	17	51	1	47.25	502.86	8.63	25.90	0.51
01/11/08	356	20	9	0	50.50	169.19	9.50	4.28	0.00
01/12/08	1,175	23	43	0	45.75	616.39	12.07	22.56	0.00
01/13/08	627	26	27	0	51.25	293.62	12.18	12.64	0.00
01/14/08	136	7	13	1	43.25	75.47	3.88	7.21	0.55
01/15/08	253	10	19	0	50.00	121.44	4.80	9.12	0.00
01/16/08	232	10	11	0	47.00	118.47	5.11	5.62	0.00
01/17/08	111	2	4	0	47.25	56.38	1.02	2.03	0.00
01/18/08	31	1	0	0	48.00	15.50	0.50	0.00	0.00
01/19/08	43	0	0	0	49.00	21.06	0.00	0.00	0.00
01/20/08	18	2	0	0	47.00	9.19	1.02	0.00	0.00
01/22/08	12	1	0	0	96.25	2.99	0.25	0.00	0.00
01/23/08	6	0	2	0	48.25	2.98	0.00	0.99	0.00
01/24/08	24	3	3	0	50.75	11.35	1.42	1.42	0.00
01/25/08	13	1	3	0	46.75	6.67	0.51	1.54	0.00
01/26/08	36	0	2	0	47.25	18.29	0.00	1.02	0.00
01/27/08	6	0	2	0	55.25	2.61	0.00	0.87	0.00
01/28/08	1,369	0	8	0	45.00	730.13	0.00	4.27	0.00
01/29/08	1,664	4	6	0	47.00	849.70	2.04	3.06	0.00
01/30/08	1,796	3	6	0	48.25	893.35	1.49	2.98	0.00
01/31/08	1,041	2	3	0	45.75	546.10	1.05	1.57	0.00
02/01/08	733	3	4	0	47.50	370.36	1.52	2.02	0.00
02/02/08	760	3	3	0	48.00	380.00	1.50	1.50	0.00
02/03/08	1,599	4	4	0	48.00	799.50	2.00	2.00	0.00
02/04/08	3,034	8	16	0	52.00	1400.31	3.69	7.38	0.00
02/05/08	2,200	2	13	0	48.00	1100.00	1.00	6.50	0.00
02/06/08	1,678	6	4	0	44.50	904.99	3.24	2.16	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
02/07/08	1,858	10	12	0	47.00	948.77	5.11	6.13	0.00
02/08/08	289	1	7	0	48.50	143.01	0.49	3.46	0.00
02/09/08	186	1	2	0	47.25	94.48	0.51	1.02	0.00
02/10/08	130	0	4	0	47.75	65.34	0.00	2.01	0.00
02/11/08	90	0	4	0	48.50	44.54	0.00	1.98	0.00
02/13/08	240	1	2	0	97.00	59.38	0.25	0.49	0.00
02/14/08	186	1	2	0	49.00	91.10	0.49	0.98	0.00
02/15/08	68	0	1	0	45.50	35.87	0.00	0.53	0.00
02/16/08	30	2	0	0	47.00	15.32	1.02	0.00	0.00
02/17/08	55	0	0	0	47.75	27.64	0.00	0.00	0.00
02/19/08	75	0	0	0	96.50	18.65	0.00	0.00	0.00
02/20/08	20	0	0	0	47.25	10.16	0.00	0.00	0.00
02/21/08	15	0	0	0	48.00	7.50	0.00	0.00	0.00
02/22/08	20	0	0	0	48.00	10.00	0.00	0.00	0.00
02/23/08	14	0	0	0	48.00	7.00	0.00	0.00	0.00
02/24/08	95	0	0	0	49.00	46.53	0.00	0.00	0.00
02/25/08	376	2	3	0	53.75	167.89	0.89	1.34	0.00
02/26/08	807	2	2	0	44.75	432.80	1.07	1.07	0.00
02/27/08	1,633	1	0	0	47.50	825.09	0.51	0.00	0.00
02/28/08	2,483	4	4	0	46.50	1281.55	2.06	2.06	0.00
02/29/08	526	1	1	0	48.25	261.64	0.50	0.50	0.00
03/01/08	261	1	1	0	47.00	133.28	0.51	0.51	0.00
03/02/08	407	2	2	0	47.75	204.57	1.01	1.01	0.00
03/03/08	149	1	1	0	48.00	74.50	0.50	0.50	0.00
03/04/08	56	0	0	0	48.25	27.85	0.00	0.00	0.00
03/05/08	89	1	0	0	48.25	44.27	0.50	0.00	0.00
03/06/08	48	0	0	0	48.75	23.63	0.00	0.00	0.00
03/07/08	45	0	0	0	46.75	23.10	0.00	0.00	0.00
03/08/08	17	0	0	0	47.00	8.68	0.00	0.00	0.00
03/09/08	30	0	0	0	49.00	14.69	0.00	0.00	0.00
03/10/08	42	0	0	0	48.00	21.00	0.00	0.00	0.00
03/11/08	24	0	0	0	47.50	12.13	0.00	0.00	0.00
03/12/08	22	0	0	0	47.50	11.12	0.00	0.00	0.00
03/13/08	15	0	0	0	47.75	7.54	0.00	0.00	0.00
03/14/08	13	0	0	0	49.00	6.37	0.00	0.00	0.00
03/15/08	12	0	0	0	46.25	6.23	0.00	0.00	0.00
03/16/08	5	0	0	0	48.00	2.50	0.00	0.00	0.00
03/17/08	6	0	0	0	49.00	2.94	0.00	0.00	0.00
03/18/08	4	0	0	0	49.50	1.94	0.00	0.00	0.00
03/19/08	3	0	0	0	48.50	1.48	0.00	0.00	0.00
03/20/08	0	0	0	0	46.50	0.00	0.00	0.00	0.00
03/21/08	0	0	0	0	48.50	0.00	0.00	0.00	0.00
03/22/08	1	0	0	0	47.75	0.50	0.00	0.00	0.00
03/24/08	1	0	0	0	95.75	0.25	0.00	0.00	0.00
03/25/08	0	0	0	0	48.75	0.00	0.00	0.00	0.00
03/26/08	0	0	0	0	47.75	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
03/27/08	1	1	0	0	47.50	0.51	0.51	0.00	0.00
03/28/08	1	0	0	0	48.50	0.49	0.00	0.00	0.00
03/30/08	0	1	0	0	96.50	0.00	0.25	0.00	0.00
04/01/08	0	1	0	0	97.25	0.00	0.25	0.00	0.00
04/02/08	0	0	0	0	47.75	0.00	0.00	0.00	0.00
04/04/08	0	0	0	0	96.50	0.00	0.00	0.00	0.00
04/07/08	0	1	0	0	143.50	0.00	0.17	0.00	0.00
04/09/08	0	1	0	0	96.50	0.00	0.25	0.00	0.00
04/11/08	4	0	0	0	95.00	1.01	0.00	0.00	0.00
04/14/08	0	1	0	0	144.00	0.00	0.17	0.00	0.00
04/16/08	1	1	0	0	96.50	0.25	0.25	0.00	0.00
04/18/08	2	3	0	0	95.50	0.50	0.75	0.00	0.00
04/21/08	1	7	0	0	144.50	0.17	1.16	0.00	0.00
04/23/08	1	2	0	0	95.75	0.25	0.50	0.00	0.00
04/25/08	1	1	0	0	96.00	0.25	0.25	0.00	0.00
04/28/08	20	0	0	0	143.75	3.34	0.00	0.00	0.00
04/29/08	83	0	0	0	48.00	41.50	0.00	0.00	0.00
04/30/08	96	0	0	0	49.50	46.55	0.00	0.00	0.00
05/01/08	40	0	0	0	47.50	20.21	0.00	0.00	0.00
05/02/08	8	0	0	0	46.75	4.11	0.00	0.00	0.00
05/05/08	97	0	0	0	145.75	15.97	0.00	0.00	0.00
05/07/08	199	0	0	0	95.75	49.88	0.00	0.00	0.00
05/08/08	80	0	0	0	47.75	40.21	0.00	0.00	0.00
05/09/08	18	0	0	0	48.50	8.91	0.00	0.00	0.00
05/12/08	29	0	0	0	143.75	4.84	0.00	0.00	0.00
05/15/08	40	0	0	0	142.00	6.76	0.00	0.00	0.00
05/19/08	83	0	0	0	192.00	10.38	0.00	0.00	0.00
05/22/08	17	0	0	0	146.00	2.79	0.00	0.00	0.00
05/27/08	0	0	0	0	242.25	0.00	0.00	0.00	0.00
05/30/08	3	0	0	0	142.75	0.50	0.00	0.00	0.00
06/02/08	1	0	0	0	73.25	0.33	0.00	0.00	0.00
06/06/08	1	0	0	0	191.50	0.13	0.00	0.00	0.00
06/10/08	0	0	0	0	192.00	0.00	0.00	0.00	0.00
06/13/08	0	0	0	0	143.50	0.00	0.00	0.00	0.00
06/17/08	0	0	0	0	195.00	0.00	0.00	0.00	0.00
06/20/08	0	0	0	0	143.50	0.00	0.00	0.00	0.00
06/24/08	2	0	0	0	192.75	0.25	0.00	0.00	0.00
06/27/08	0	0	0	0	144.25	0.00	0.00	0.00	0.00
10/06/08	0	0	0	0	144.00	0.00	0.00	0.00	0.00
10/09/08	0	0	0	0	145.00	0.00	0.00	0.00	0.00
10/14/08	0	0	0	0	139.50	0.00	0.00	0.00	0.00
10/17/08	0	0	0	0	145.00	0.00	0.00	0.00	0.00
10/20/08	0	0	0	0	142.50	0.00	0.00	0.00	0.00
10/23/08	0	0	0	0	144.25	0.00	0.00	0.00	0.00
10/27/08	0	1	0	0	131.75	0.00	0.18	0.00	0.00
10/30/08	0	0	0	0	142.00	0.00	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
11/03/08	0	0	0	0	195.00	0.00	0.00	0.00	0.00
11/06/08	0	0	0	0	145.00	0.00	0.00	0.00	0.00
11/10/08	0	0	0	0	190.75	0.00	0.00	0.00	0.00
11/13/08	0	0	0	0	142.75	0.00	0.00	0.00	0.00
11/17/08	0	0	0	0	193.25	0.00	0.00	0.00	0.00
11/20/08	0	0	0	1	142.25	0.00	0.00	0.00	0.17
11/24/08	0	0	0	1	192.50	0.00	0.00	0.00	0.12
11/26/08	0	0	0	0	95.75	0.00	0.00	0.00	0.00
12/01/08	0	0	0	0	241.75	0.00	0.00	0.00	0.00
12/03/08	0	0	0	0	94.25	0.00	0.00	0.00	0.00
12/08/08	0	0	0	0	240.25	0.00	0.00	0.00	0.00
12/11/08	0	0	0	0	145.00	0.00	0.00	0.00	0.00
12/15/08	0	0	0	0	193.50	0.00	0.00	0.00	0.00
12/18/08	0	0	0	0	141.75	0.00	0.00	0.00	0.00
12/22/08	0	0	0	0	192.00	0.00	0.00	0.00	0.00
12/24/08	0	0	0	0	94.75	0.00	0.00	0.00	0.00
12/26/08	0	0	0	0	99.00	0.00	0.00	0.00	0.00
12/27/08	0	0	0	0	48.75	0.00	0.00	0.00	0.00
12/29/08	5	2	1	0	94.75	1.27	0.51	0.25	0.00
12/31/08	29	1	28	3	96.50	7.21	0.25	6.96	0.75
01/01/09	4	0	2	0	94.00	1.02	0.00	0.51	0.00
01/05/09	1	0	0	0	145.00	0.17	0.00	0.00	0.00
01/07/09	1	0	0	0	95.25	0.25	0.00	0.00	0.00
01/09/09	0	0	0	0	96.75	0.00	0.00	0.00	0.00
01/12/09	1	0	0	0	143.00	0.17	0.00	0.00	0.00
01/14/09	0	0	0	1	96.00	0.00	0.00	0.00	0.25
01/16/09	1	0	0	0	96.00	0.25	0.00	0.00	0.00
01/20/09	2	0	1	0	191.00	0.25	0.00	0.13	0.00
01/22/09	1	0	0	0	95.00	0.25	0.00	0.00	0.00
01/23/09	0	0	0	0	46.00	0.00	0.00	0.00	0.00
01/26/09	1	0	1	0	149.00	0.16	0.00	0.16	0.00
01/27/09	3	0	2	0	45.50	1.58	0.00	1.05	0.00
01/28/09	144	2	11	0	47.75	72.38	1.01	5.53	0.00
01/29/09	96	0	0	0	48.75	47.26	0.00	0.00	0.00
01/30/09	43	3	2	0	45.00	22.93	1.60	1.07	0.00
02/02/09	16	1	1	0	146.75	2.62	0.16	0.16	0.00
02/04/09	16	0	0	0	93.25	4.12	0.00	0.00	0.00
02/05/09	3	0	0	0	49.00	1.47	0.00	0.00	0.00
02/07/09	2	0	0	0	95.00	0.51	0.00	0.00	0.00
02/09/09	4	0	0	0	97.75	0.98	0.00	0.00	0.00
02/11/09	3	0	0	0	94.75	0.76	0.00	0.00	0.00
02/13/09	0	0	0	0	93.75	0.00	0.00	0.00	0.00
02/15/09	7	0	0	0	100.25	1.68	0.00	0.00	0.00
02/17/09	53	0	2	0	96.25	13.22	0.00	0.50	0.00
02/19/09	984	0	3	0	96.25	245.36	0.00	0.75	0.00
02/21/09	461	5	1	0	91.50	120.92	1.31	0.26	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
02/22/09	512	3	1	0	46.50	264.26	1.55	0.52	0.00
02/23/09	466	6	2	0	47.50	235.45	3.03	1.01	0.00
02/24/09	547	8	8	0	56.00	234.43	3.43	3.43	0.00
02/25/09	1005	17	7	0	42.00	574.29	9.71	4.00	0.00
02/26/09	1635	5	3	0	47.75	821.78	2.51	1.51	0.00
02/27/09	6790	30	21	0	48.25	3377.41	14.92	10.45	0.00
02/28/09	2035	17	10	0	46.50	1050.32	8.77	5.16	0.00
03/01/09	550	3	1	0	48.00	275.00	1.50	0.50	0.00
03/02/09	243	2	1	0	48.50	120.25	0.99	0.49	0.00
03/03/09	193	0	0	0	46.50	99.61	0.00	0.00	0.00
03/04/09	493	0	2	0	51.50	229.75	0.00	0.93	0.00
03/05/09	258	0	0	0	49.00	126.37	0.00	0.00	0.00
03/07/09	1011	5	3	0	92.00	263.74	1.30	0.78	0.00
03/08/09	214	4	1	0	49.75	103.24	1.93	0.48	0.00
03/09/09	76	2	4	0	45.75	39.87	1.05	2.10	0.00
03/10/09	45	2	1	0	48.50	22.27	0.99	0.49	0.00
03/11/09	19	0	1	0	48.00	9.50	0.00	0.50	0.00
03/12/09	12	0	0	0	47.00	6.13	0.00	0.00	0.00
03/13/09	11	0	0	0	49.50	5.33	0.00	0.00	0.00
03/15/09	14	0	0	0	96.50	3.48	0.00	0.00	0.00
03/16/09	11	0	0	0	44.75	5.90	0.00	0.00	0.00
03/17/09	10	1	0	0	49.75	4.82	0.48	0.00	0.00
03/18/09	9	1	0	0	46.50	4.65	0.52	0.00	0.00
03/19/09	39	3	0	0	46.50	20.13	1.55	0.00	0.00
03/20/09	461	39	3	0	46.50	237.94	20.13	1.55	0.00
03/21/09	815	69	3	0	44.25	442.03	37.42	1.63	0.00
03/22/09	74	9	1	0	49.50	35.88	4.36	0.48	0.00
03/23/09	20	9	1	0	52.25	9.19	4.13	0.46	0.00
03/24/09	13	3	0	0	43.50	7.17	1.66	0.00	0.00
03/25/09	8	4	0	0	47.75	4.02	2.01	0.00	0.00
03/26/09	9	0	0	0	47.50	4.55	0.00	0.00	0.00
03/27/09	12	3	0	0	47.75	6.03	1.51	0.00	0.00
03/29/09	4	4	0	0	97.50	0.98	0.98	0.00	0.00
03/30/09	7	4	0	0	51.00	3.29	1.88	0.00	0.00
04/01/09	7	2	0	0	91.75	1.83	0.52	0.00	0.00
04/02/09	1	0	0	0	49.25	0.49	0.00	0.00	0.00
04/03/09	4	1	0	0	49.25	1.95	0.49	0.00	0.00
04/06/09	1	5	1	0	144.50	0.17	0.83	0.17	0.00
04/07/09	1	2	0	0	46.50	0.52	1.03	0.00	0.00
04/08/09	1	0	0	0	48.25	0.50	0.00	0.00	0.00
04/09/09	0	0	0	0	47.00	0.00	0.00	0.00	0.00
04/10/09	0	1	0	0	49.00	0.00	0.49	0.00	0.00
04/13/09	2	0	0	0	144.75	0.33	0.00	0.00	0.00
04/14/09	109	0	0	0	47.75	54.79	0.00	0.00	0.00
04/15/09	230	0	0	0	49.75	110.95	0.00	0.00	0.00
04/16/09	61	0	0	0	47.25	30.98	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
04/17/09	37	0	0	0	49.00	18.12	0.00	0.00	0.00
04/20/09	30	0	0	0	142.00	5.07	0.00	0.00	0.00
04/21/09	32	0	0	0	48.75	15.75	0.00	0.00	0.00
04/22/09	43	0	0	0	48.75	21.17	0.00	0.00	0.00
04/23/09	83	0	0	0	48.25	41.28	0.00	0.00	0.00
04/24/09	28	0	0	0	47.75	14.07	0.00	0.00	0.00
04/25/09	31	0	0	0	47.75	15.58	0.00	0.00	0.00
04/27/09	7	0	0	0	47.75	3.52	0.00	0.00	0.00
04/28/09	8	0	0	0	48.50	3.96	0.00	0.00	0.00
04/29/09	52	0	0	0	48.50	25.73	0.00	0.00	0.00
04/30/09	65	0	0	0	48.50	32.16	0.00	0.00	0.00
05/01/09	19	0	0	0	47.50	9.60	0.00	0.00	0.00
05/04/09	21	0	0	0	145.50	3.46	0.00	0.00	0.00
05/05/09	11	0	0	0	47.00	5.62	0.00	0.00	0.00
05/06/09	2	0	0	0	27.75	1.73	0.00	0.00	0.00
05/07/09	6	0	0	0	51.25	2.81	0.00	0.00	0.00
05/08/09	3	0	0	0	48.00	1.50	0.00	0.00	0.00
05/11/09	11	0	0	2	144.25	1.83	0.00	0.00	0.33
05/12/09	9	0	0	1	45.75	4.72	0.00	0.00	0.52
05/13/09	1	0	0	0	47.50	0.51	0.00	0.00	0.00
05/15/09	2	0	0	1	97.00	0.49	0.00	0.00	0.25
05/18/09	5	0	0	0	144.00	0.83	0.00	0.00	0.00
05/20/09	5	0	0	0	97.00	1.24	0.00	0.00	0.00
05/23/09	5	0	0	0	142.00	0.85	0.00	0.00	0.00
05/26/09	2	0	0	0	145.00	0.33	0.00	0.00	0.00
05/27/09	2	0	0	0	49.00	0.98	0.00	0.00	0.00
05/29/09	1	0	0	0	93.50	0.26	0.00	0.00	0.00
06/01/09	1	0	0	0	150.50	0.16	0.00	0.00	0.00
06/03/09	0	0	0	0	91.00	0.00	0.00	0.00	0.00
06/05/09	1	0	0	0	100.00	0.24	0.00	0.00	0.00
06/09/09	0	0	0	0	189.50	0.00	0.00	0.00	0.00
06/12/09	2	0	0	0	145.00	0.33	0.00	0.00	0.00
06/15/09	19	0	0	0	143.00	3.19	0.00	0.00	0.00
06/17/09	12	0	0	0	96.00	3.00	0.00	0.00	0.00
06/19/09	4	0	0	0	95.25	1.01	0.00	0.00	0.00
06/22/09	2	0	0	0	144.25	0.33	0.00	0.00	0.00
06/25/09	1	0	0	0	143.25	0.17	0.00	0.00	0.00
10/12/09	0	0	0	0	236.25	0.00	0.00	0.00	0.00
10/14/09	0	0	0	0	95.00	0.00	0.00	0.00	0.00
10/15/09	0	0	1	0	48.75	0.00	0.00	0.49	0.00
10/17/09	0	0	0	0	96.50	0.00	0.00	0.00	0.00
10/19/09	0	0	2	0	97.25	0.00	0.00	0.49	0.00
10/21/09	0	0	12	0	95.25	0.00	0.00	3.02	0.00
10/23/09	0	0	6	0	94.50	0.00	0.00	1.52	0.00
10/26/09	0	1	14	1	145.75	0.00	0.16	2.31	0.16
10/28/09	0	1	9	0	95.75	0.00	0.25	2.26	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
10/30/09	0	0	1	0	95.00	0.00	0.00	0.25	0.00
11/02/09	0	0	1	0	144.75	0.00	0.00	0.17	0.00
11/05/09	0	0	2	0	144.25	0.00	0.00	0.33	0.00
11/07/09	0	0	0	0	98.00	0.00	0.00	0.00	0.00
11/09/09	0	0	0	0	92.50	0.00	0.00	0.00	0.00
11/12/09	0	0	1	0	144.25	0.00	0.00	0.17	0.00
11/15/09	0	0	0	1	145.75	0.00	0.00	0.00	0.16
11/17/09	0	0	0	0	95.50	0.00	0.00	0.00	0.00
11/19/09	0	0	0	0	95.25	0.00	0.00	0.00	0.00
11/21/09	0	0	0	0	97.25	0.00	0.00	0.00	0.00
11/23/09	0	0	0	0	96.25	0.00	0.00	0.00	0.00
11/25/09	0	0	0	0	94.25	0.00	0.00	0.00	0.00
11/28/09	0	0	1	0	144.00	0.00	0.00	0.17	0.00
11/30/09	0	0	0	0	98.00	0.00	0.00	0.00	0.00
12/03/09	0	0	0	0	144.00	0.00	0.00	0.00	0.00
12/06/09	0	0	0	0	142.00	0.00	0.00	0.00	0.00
12/08/09	0	0	0	0	98.00	0.00	0.00	0.00	0.00
12/10/09	0	0	0	2	96.50	0.00	0.00	0.00	0.50
12/12/09	0	0	0	0	92.75	0.00	0.00	0.00	0.00
12/14/09	0	0	0	1	97.75	0.00	0.00	0.00	0.25
12/15/09	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/16/09	0	0	0	0	49.00	0.00	0.00	0.00	0.00
12/17/09	0	0	2	1	47.00	0.00	0.00	1.02	0.51
12/19/09	0	0	1	0	97.00	0.00	0.00	0.25	0.00
12/20/09	0	0	0	0	45.00	0.00	0.00	0.00	0.00
12/21/09	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/22/09	1	0	0	3	48.00	0.50	0.00	0.00	1.50
12/23/09	2	0	0	2	48.00	1.00	0.00	0.00	1.00
12/24/09	2	1	2	0	46.00	1.04	0.52	1.04	0.00
12/26/09	1	0	0	1	96.50	0.25	0.00	0.00	0.25
12/28/09	0	0	0	0	97.00	0.00	0.00	0.00	0.00
12/29/09	0	0	1	0	47.50	0.00	0.00	0.51	0.00
12/30/09	0	0	0	0	48.00	0.00	0.00	0.00	0.00
12/31/09	0	0	0	0	48.50	0.00	0.00	0.00	0.00
01/02/10	0	0	0	0	95.00	0.00	0.00	0.00	0.00
01/04/10	0	0	0	0	98.50	0.00	0.00	0.00	0.00
01/05/10	0	0	0	0	46.50	0.00	0.00	0.00	0.00
01/06/10	6	0	0	2	48.25	2.98	0.00	0.00	0.99
01/07/10	3	0	0	0	48.50	1.48	0.00	0.00	0.00
01/09/10	1	0	0	0	94.00	0.26	0.00	0.00	0.00
01/11/10	0	0	0	1	96.00	0.00	0.00	0.00	0.25
01/12/10	0	0	0	0	50.00	0.00	0.00	0.00	0.00
01/13/10	0	0	0	0	47.25	0.00	0.00	0.00	0.00
01/14/10	1	0	0	0	47.50	0.51	0.00	0.00	0.00
01/16/10	152	1	3	0	101.00	36.12	0.24	0.71	0.00
01/17/10	224	3	0	0	46.75	114.99	1.54	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/19/10	588	2	13	2	95.25	148.16	0.50	3.28	0.50
01/20/10	567	8	22	3	48.75	279.14	3.94	10.83	1.48
01/21/10	948	4	11	0	52.50	433.37	1.83	5.03	0.00
01/22/10	500	8	1	0	8.00	1500.00	24.00	3.00	0.00
01/23/10	949	7	3	0	39.50	576.61	4.25	1.82	0.00
01/24/10	1152	3	2	0	47.50	582.06	1.52	1.01	0.00
01/25/10	653	10	9	0	50.75	308.81	4.73	4.26	0.00
01/26/10	823	16	8	0	45.75	431.74	8.39	4.20	0.00
01/27/10	527	4	5	0	56.75	222.87	1.69	2.11	0.00
01/28/10	272	1	2	0	36.75	177.63	0.65	1.31	0.00
01/29/10	543	10	5	0	48.75	267.32	4.92	2.46	0.00
01/30/10	413	21	9	0	50.25	197.25	10.03	4.30	0.00
01/31/10	224	3	4	0	49.50	108.61	1.45	1.94	0.00
02/01/10	114	2	2	0	47.50	57.60	1.01	1.01	0.00
02/02/10	30	3	0	0	51.25	14.05	1.40	0.00	0.00
02/03/10	23	0	0	0	43.50	12.69	0.00	0.00	0.00
02/04/10	15	0	0	0	48.75	7.38	0.00	0.00	0.00
02/06/10	19	0	1	0	97.50	4.68	0.00	0.25	0.00
02/08/10	117	1	1	0	102.50	27.40	0.23	0.23	0.00
02/09/10	412	3	1	0	40.00	247.20	1.80	0.60	0.00
02/10/10	294	4	1	0	48.25	146.24	1.99	0.50	0.00
02/11/10	73	0	0	0	49.75	35.22	0.00	0.00	0.00
02/13/10	49	0	1	0	92.25	12.75	0.00	0.26	0.00
02/14/10	15	0	0	0	47.75	7.54	0.00	0.00	0.00
02/16/10	15	1	0	0	97.00	3.71	0.25	0.00	0.00
02/17/10	11	0	0	0	48.25	5.47	0.00	0.00	0.00
02/18/10	6	0	0	0	50.00	2.88	0.00	0.00	0.00
02/20/10	20	4	0	0	93.50	5.13	1.03	0.00	0.00
02/22/10	21	0	1	0	105.25	4.79	0.00	0.23	0.00
02/23/10	6	1	0	0	40.50	3.56	0.59	0.00	0.00
02/24/10	9	1	0	0	47.00	4.60	0.51	0.00	0.00
02/25/10	15	1	0	0	48.25	7.46	0.50	0.00	0.00
02/26/10	6	0	0	0	60.75	2.37	0.00	0.00	0.00
03/01/10	156	12	1	0	142.50	26.27	2.02	0.17	0.00
03/02/10	303	12	4	0	37.50	193.92	7.68	2.56	0.00
03/03/10	178	4	0	0	46.75	91.38	2.05	0.00	0.00
03/04/10	59	6	2	0	48.75	29.05	2.95	0.98	0.00
03/06/10	28	0	0	0	102.00	6.59	0.00	0.00	0.00
03/08/10	33	2	0	0	89.00	8.90	0.54	0.00	0.00
03/09/10	17	0	0	0	47.50	8.59	0.00	0.00	0.00
03/11/10	9	1	0	0	95.50	2.26	0.25	0.00	0.00
03/13/10	0	0	0	0	96.50	0.00	0.00	0.00	0.00
03/15/10	3	0	0	0	96.50	0.75	0.00	0.00	0.00
03/16/10	3	0	0	0	48.50	1.48	0.00	0.00	0.00
03/18/10	4	1	0	0	95.75	1.00	0.25	0.00	0.00
03/20/10	4	5	0	0	95.25	1.01	1.26	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
03/22/10	5	2	0	0	93.50	1.28	0.51	0.00	0.00
03/23/10	0	1	0	0	50.50	0.00	0.48	0.00	0.00
03/25/10	1	2	0	0	96.50	0.25	0.50	0.00	0.00
03/26/10	0	1	0	0	48.00	0.00	0.50	0.00	0.00
03/29/10	1	0	0	0	143.00	0.17	0.00	0.00	0.00
04/01/10	1	0	0	0	145.00	0.17	0.00	0.00	0.00
04/03/10	0	3	0	0	95.50	0.00	0.75	0.00	0.00
04/05/10	0	2	1	0	96.50	0.00	0.50	0.25	0.00
04/07/10	0	2	0	0	99.25	0.00	0.48	0.00	0.00
04/08/10	0	0	0	0	46.00	0.00	0.00	0.00	0.00
04/10/10	0	1	0	0	94.75	0.00	0.25	0.00	0.00
04/12/10	0	5	0	0	95.50	0.00	1.26	0.00	0.00
04/14/10	39	0	0	0	104.75	8.94	0.00	0.00	0.00
04/15/10	2443	0	0	2	45.75	1281.57	0.00	0.00	1.05
04/16/10	3759	0	1	46	44.50	2027.33	0.00	0.54	24.81
04/17/10	798	0	0	15	48.25	396.93	0.00	0.00	7.46
04/19/10	448	0	0	1	97.00	110.85	0.00	0.00	0.25
04/21/10	319	0	0	1	94.25	81.23	0.00	0.00	0.25
04/23/10	54	0	0	0	100.50	12.90	0.00	0.00	0.00
04/26/10	35	0	0	1	139.50	6.02	0.00	0.00	0.17
04/28/10	23	0	0	0	95.50	5.78	0.00	0.00	0.00
04/30/10	179	0	0	0	95.50	44.98	0.00	0.00	0.00
05/03/10	232	0	0	0	143.00	38.94	0.00	0.00	0.00
05/06/10	9	0	0	0	144.25	1.50	0.00	0.00	0.00
05/10/10	5	0	0	0	192.00	0.63	0.00	0.00	0.00
05/13/10	13	0	0	0	143.75	2.17	0.00	0.00	0.00
05/17/10	12	0	0	0	191.00	1.51	0.00	0.00	0.00
05/20/10	3	0	0	0	144.00	0.50	0.00	0.00	0.00
05/24/10	3	0	0	0	192.50	0.37	0.00	0.00	0.00
05/28/10	1	0	0	0	191.50	0.13	0.00	0.00	0.00
06/01/10	0	0	0	0	194.50	0.00	0.00	0.00	0.00
06/03/10	1	0	0	0	95.50	0.25	0.00	0.00	0.00
06/07/10	0	0	0	0	200.75	0.00	0.00	0.00	0.00
06/10/10	0	0	0	0	133.25	0.00	0.00	0.00	0.00
06/14/10	6	0	0	0	193.00	0.75	0.00	0.00	0.00
06/17/10	0	0	0	0	142.50	0.00	0.00	0.00	0.00
06/23/10	0	0	0	0	289.00	0.00	0.00	0.00	0.00
06/28/10	0	0	0	0	239.75	0.00	0.00	0.00	0.00
10/05/10	0	0	0	0	239.00	0.00	0.00	0.00	0.00
10/07/10	0	0	0	0	93.00	0.00	0.00	0.00	0.00
10/11/10	0	0	1	0	146.00	0.00	0.00	0.16	0.00
10/14/10	0	0	0	0	143.50	0.00	0.00	0.00	0.00
10/18/10	0	0	0	0	192.00	0.00	0.00	0.00	0.00
10/21/10	0	0	0	0	143.50	0.00	0.00	0.00	0.00
10/25/10	0	0	0	0	192.00	0.00	0.00	0.00	0.00
10/27/10	0	0	1	0	98.50	0.00	0.00	0.24	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
10/29/10	0	0	52	2	93.50	0.00	0.00	13.35	0.51
11/01/10	0	0	13	0	145.00	0.00	0.00	2.15	0.00
11/03/10	0	0	1	0	92.00	0.00	0.00	0.26	0.00
11/05/10	0	0	0	0	102.50	0.00	0.00	0.00	0.00
11/08/10	0	0	0	0	139.50	0.00	0.00	0.00	0.00
11/09/10	0	0	0	0	52.50	0.00	0.00	0.00	0.00
11/10/10	0	0	0	0	49.75	0.00	0.00	0.00	0.00
11/12/10	0	0	0	0	90.50	0.00	0.00	0.00	0.00
11/15/10	0	0	0	0	149.25	0.00	0.00	0.00	0.00
11/16/10	0	0	0	0	47.50	0.00	0.00	0.00	0.00
11/19/10	0	0	0	0	138.00	0.00	0.00	0.00	0.00
11/22/10	0	0	1	0	193.00	0.00	0.00	0.12	0.00
11/24/10	0	0	0	0	96.00	0.00	0.00	0.00	0.00
11/26/10	0	0	0	0	92.75	0.00	0.00	0.00	0.00
11/29/10	0	0	0	0	142.25	0.00	0.00	0.00	0.00
12/01/10	0	0	0	0	96.00	0.00	0.00	0.00	0.00
12/03/10	0	0	0	0	95.50	0.00	0.00	0.00	0.00
12/06/10	0	0	0	0	146.00	0.00	0.00	0.00	0.00
12/08/10	0	0	4	1	98.00	0.00	0.00	0.98	0.24
12/09/10	2	3	43	1	48.00	1.00	1.50	21.50	0.50
12/10/10	0	0	13	0	45.75	0.00	0.00	6.82	0.00
12/13/10	1	0	14	0	145.75	0.16	0.00	2.31	0.00
12/14/10	0	0	14	0	46.00	0.00	0.00	7.30	0.00
12/15/10	0	1	5	1	48.25	0.00	0.50	2.49	0.50
12/16/10	1	0	6	0	50.00	0.48	0.00	2.88	0.00
12/17/10	4	4	9	0	51.25	1.87	1.87	4.21	0.00
12/18/10	23	14	56	1	41.50	13.30	8.10	32.39	0.58
12/19/10	7	4	8	0	53.00	3.17	1.81	3.62	0.00
12/20/10	4	2	5	0	41.50	2.31	1.16	2.89	0.00
12/21/10	94	19	13	1	48.00	47.00	9.50	6.50	0.50
12/22/10	75	28	8	0	48.00	37.50	14.00	4.00	0.00
12/23/10	10	1	6	0	48.50	4.95	0.49	2.97	0.00
12/24/10	12	0	4	0	48.75	5.91	0.00	1.97	0.00
12/27/10	12	1	0	0	141.75	2.03	0.17	0.00	0.00
12/28/10	17	1	2	0	48.00	8.50	0.50	1.00	0.00
12/29/10	338	8	14	0	50.50	160.63	3.80	6.65	0.00
12/30/10	119	0	2	0	46.50	61.42	0.00	1.03	0.00
12/31/10	66	1	2	0	49.00	32.33	0.49	0.98	0.00
01/02/11	472	10	18	0	94.00	120.51	2.55	4.60	0.00
01/03/11	309	12	4	0	48.00	154.50	6.00	2.00	0.00
01/04/11	206	12	8	0	48.00	103.00	6.00	4.00	0.00
01/05/11	51	3	3	0	48.00	25.50	1.50	1.50	0.00
01/06/11	49	1	2	0	47.50	24.76	0.51	1.01	0.00
01/07/11	50	4	0	0	48.00	25.00	2.00	0.00	0.00
01/09/11	42	0	0	0	96.00	10.50	0.00	0.00	0.00
01/10/11	15	1	0	0	47.50	7.58	0.51	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
01/11/11	18	0	0	0	49.50	8.73	0.00	0.00	0.00
01/13/11	15	0	3	0	95.50	3.77	0.00	0.75	0.00
01/14/11	13	1	0	0	47.50	6.57	0.51	0.00	0.00
01/15/11	14	0	0	0	47.00	7.15	0.00	0.00	0.00
01/18/11	21	0	0	0	145.75	3.46	0.00	0.00	0.00
01/19/11	37	2	3	0	47.25	18.79	1.02	1.52	0.00
01/20/11	95	7	1	0	46.00	49.57	3.65	0.52	0.00
01/21/11	51	3	0	0	45.50	26.90	1.58	0.00	0.00
01/23/11	92	4	1	0	96.50	22.88	0.99	0.25	0.00
01/24/11	27	3	0	0	48.25	13.43	1.49	0.00	0.00
01/25/11	20	1	0	0	48.75	9.85	0.49	0.00	0.00
01/27/11	33	2	1	0	96.00	8.25	0.50	0.25	0.00
01/28/11	12	2	0	0	48.00	6.00	1.00	0.00	0.00
01/30/11	7	0	0	0	94.50	1.78	0.00	0.00	0.00
01/31/11	3	0	0	0	50.00	1.44	0.00	0.00	0.00
02/02/11	7	2	0	0	94.75	1.77	0.51	0.00	0.00
02/04/11	5	0	0	0	95.75	1.25	0.00	0.00	0.00
02/05/11	6	0	0	0	47.50	3.03	0.00	0.00	0.00
02/07/11	4	0	0	0	97.50	0.98	0.00	0.00	0.00
02/09/11	11	1	1	0	97.00	2.72	0.25	0.25	0.00
02/11/11	6	2	0	0	94.00	1.53	0.51	0.00	0.00
02/12/11	0	1	0	0	48.00	0.00	0.50	0.00	0.00
02/14/11	0	0	0	0	97.00	0.00	0.00	0.00	0.00
02/16/11	0	0	0	0	95.50	0.00	0.00	0.00	0.00
02/17/11	2	0	0	0	48.50	0.99	0.00	0.00	0.00
02/18/11	32	3	1	0	49.00	15.67	1.47	0.49	0.00
02/19/11	93	18	1	0	47.50	46.99	9.09	0.51	0.00
02/20/11	170	10	1	0	50.00	81.60	4.80	0.48	0.00
02/22/11	371	21	1	0	95.50	93.24	5.28	0.25	0.00
02/23/11	112	10	0	0	46.00	58.43	5.22	0.00	0.00
02/24/11	48	3	1	0	48.00	24.00	1.50	0.50	0.00
02/25/11	46	6	0	0	48.50	22.76	2.97	0.00	0.00
02/27/11	22	3	0	0	95.00	5.56	0.76	0.00	0.00
02/28/11	20	1	0	0	47.75	10.05	0.50	0.00	0.00
03/02/11	70	3	0	0	96.75	17.36	0.74	0.00	0.00
03/04/11	25	0	0	0	95.50	6.28	0.00	0.00	0.00
03/05/11	29	0	0	0	48.50	14.35	0.00	0.00	0.00
03/07/11	102	11	0	0	96.50	25.37	2.74	0.00	0.00
03/08/11	29	3	0	0	49.00	14.20	1.47	0.00	0.00
03/09/11	16	2	0	0	51.50	7.46	0.93	0.00	0.00
03/10/11	75	1	1	0	42.00	42.86	0.57	0.57	0.00
03/11/11	28	1	0	0	48.00	14.00	0.50	0.00	0.00
03/12/11	6	0	0	0	48.50	2.97	0.00	0.00	0.00
03/15/11	8	1	0	0	144.50	1.33	0.17	0.00	0.00
03/17/11	3	0	0	0	97.00	0.74	0.00	0.00	0.00
03/18/11	70	4	1	0	47.00	35.74	2.04	0.51	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
03/19/11	137	6	2	0	48.00	68.50	3.00	1.00	0.00
03/20/11	71	2	1	0	48.00	35.50	1.00	0.50	0.00
03/21/11	118	6	1	0	48.00	59.00	3.00	0.50	0.00
03/22/11	116	4	0	0	48.50	57.40	1.98	0.00	0.00
03/23/11	137	7	0	0	47.50	69.22	3.54	0.00	0.00
03/24/11	69	0	0	0	48.00	34.50	0.00	0.00	0.00
03/25/11	46	1	0	0	47.00	23.49	0.51	0.00	0.00
03/26/11	49	2	1	0	48.00	24.50	1.00	0.50	0.00
03/28/11	131	4	2	0	98.00	32.08	0.98	0.49	0.00
03/29/11	103	10	0	0	47.50	52.04	5.05	0.00	0.00
03/30/11	104	9	2	0	48.00	52.00	4.50	1.00	0.00
04/01/11	112	11	2	0	95.00	28.29	2.78	0.51	0.00
04/02/11	44	9	0	0	47.50	22.23	4.55	0.00	0.00
04/04/11	50	10	0	2	96.25	12.47	2.49	0.00	0.50
04/05/11	3	4	0	0	48.25	1.49	1.99	0.00	0.00
04/06/11	1	0	0	0	51.50	0.47	0.00	0.00	0.00
04/07/11	3	0	0	0	44.50	1.62	0.00	0.00	0.00
04/08/11	10	12	0	0	47.00	5.11	6.13	0.00	0.00
04/09/11	6	1	1	0	48.00	3.00	0.50	0.50	0.00
04/11/11	2	11	0	0	97.50	0.49	2.71	0.00	0.00
04/12/11	5	4	0	0	47.50	2.53	2.02	0.00	0.00
04/13/11	2	1	0	0	48.50	0.99	0.49	0.00	0.00
04/15/11	6	10	0	0	96.00	1.50	2.50	0.00	0.00
04/16/11	2	1	0	0	47.00	1.02	0.51	0.00	0.00
04/18/11	5	3	0	0	96.50	1.24	0.75	0.00	0.00
04/19/11	7	0	0	0	48.00	3.50	0.00	0.00	0.00
04/20/11	23	0	0	0	47.50	11.62	0.00	0.00	0.00
04/21/11	236	0	0	0	50.00	113.28	0.00	0.00	0.00
04/22/11	108	0	0	0	47.25	54.86	0.00	0.00	0.00
04/23/11	50	0	0	0	46.25	25.95	0.00	0.00	0.00
04/25/11	64	0	0	0	97.00	15.84	0.00	0.00	0.00
04/26/11	54	0	0	1	49.00	26.45	0.00	0.00	0.49
04/27/11	37	0	0	0	47.00	18.89	0.00	0.00	0.00
04/28/11	26	0	0	0	49.00	12.73	0.00	0.00	0.00
04/29/11	61	0	0	0	46.50	31.48	0.00	0.00	0.00
04/30/11	125	0	0	1	48.50	61.86	0.00	0.00	0.49
05/02/11	68	0	0	0	95.00	17.18	0.00	0.00	0.00
05/04/11	38	0	0	0	97.00	9.40	0.00	0.00	0.00
05/06/11	43	0	0	0	97.00	10.64	0.00	0.00	0.00
05/09/11	18	0	0	0	146.00	2.96	0.00	0.00	0.00
05/12/11	15	0	0	0	144.00	2.50	0.00	0.00	0.00
05/14/11	1	0	0	0	96.50	0.25	0.00	0.00	0.00
05/16/11	0	0	0	0	94.50	0.00	0.00	0.00	0.00
05/18/11	0	0	0	0	96.50	0.00	0.00	0.00	0.00
05/20/11	1	0	0	0	96.00	0.25	0.00	0.00	0.00
05/21/11	27	0	0	0	47.00	13.79	0.00	0.00	0.00

DATE	FRC	SRC	WRC	LFRC	EFFORT (hours)	CPUE FRC	CPUE SRC	CPUE WRC	CPUE LFRC
05/22/11	12	0	0	0	97.50	2.95	0.00	0.00	0.00
05/25/11	1	0	0	0	95.00	0.25	0.00	0.00	0.00
05/27/11	1	0	0	0	95.00	0.25	0.00	0.00	0.00
05/29/11	5	0	0	0	96.75	1.24	0.00	0.00	0.00
05/31/11	7	0	0	0	96.25	1.75	0.00	0.00	0.00
06/02/11	2	0	0	0	95.00	0.51	0.00	0.00	0.00
06/04/11	3	0	0	0	97.00	0.74	0.00	0.00	0.00
06/06/11	3	0	0	0	97.50	0.74	0.00	0.00	0.00
06/08/11	0	0	0	0	103.30	0.00	0.00	0.00	0.00
06/10/11	0	0	0	0	87.00	0.00	0.00	0.00	0.00
06/13/11	0	0	0	0	143.75	0.00	0.00	0.00	0.00
06/15/11	0	0	0	0	96.50	0.00	0.00	0.00	0.00
06/17/11	0	0	0	0	94.00	0.00	0.00	0.00	0.00
06/20/11	0	0	0	0	147.00	0.00	0.00	0.00	0.00
06/22/11	0	0	0	0	93.50	0.00	0.00	0.00	0.00
06/24/11	0	0	0	0	97.50	0.00	0.00	0.00	0.00
06/27/11	0	0	0	0	143.50	0.00	0.00	0.00	0.00