

# Cooperative Study on Fish Migration and Spawning in the Upper Madison River Drainage

# **Annual Report**

## Prepared for

U.S. Department of the Interior National Park Service Yellowstone National Park

### Under

Permit # 1559

# Implemented by

The West Yellowstone Cooperative Fisheries Program

Jointly Supported by

Montana Department of Fish, Wildlife, and Parks & Hebgen Lake Ranger District; U.S.D.A. Forest Service

PO Box 520 West Yellowstone, Montana 59758 (406) 646-7369

## Report Prepared by

Nicholas J. Hetrick Fisheries Biologist West Yellowstone Cooperative Fisheries Program

April, 1993

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#### Project Abstract

The annual report for the Cooperative Study on Fish Migration and Spawning in the Upper Madison River Drainage was intended to meet stipulations associated with permit number 1559 issued by the U.S. Department of the Interior, National Park Service, Yellowstone National Park. Note that this is an interim report of an ongoing biological study. However, information presented in this report should conclude all research within the boundaries of Yellowstone National Park associated with our permit. As such, we will not request a renewal of permit number 1559. If additional research in the Madison River drainage within the Park is deemed necessary that is considered mutually acceptable and of meritous importance by the Montana Department of Fish, Wildlife and Parks, U.S. Forest Service, National Park Service, and the U.S. Fish and Wildlife Service, a new permit application will be submitted.

Information contained in this report represents preliminary results from one segment of an overall study on salmonid escapement in the Hebgen Lake basin. In this study, water temperatures were collected from 1991-1993 on the Firehole and Gibbon rivers and at two sites on the Madison River. In addition, a limited amount of fry trapping was conducted on these rivers from 31 Jan to 19 May, 1992. The influence of thermal activity on water temperatures of these rivers was evident, especially in the Firehole and in the Madison River at the 7 mi bridge in the Park. The peak outmigration of rainbow trout fry from the Firehole and Madison rivers for the limited period sampled occurred on 26 Mar; very few rainbow trout fry were captured from the Gibbon River. Using the temperature data, 26 Mar as the peak of fry emigration, and 1,080 temperature units as the standard for eggs to hatch and fry to emerge before they begin their outmigration to Hebgen Lake, the peak of rainbow trout spawning in the Firehole and Madison rivers was estimated to be 3 Feb and 11 Jan, respectively.

These data will be used to establish a timeline for conducting an escapement study on the Madison River which is scheduled to begin in early fall 1995 and will continue through the spring 1996. Completion of this study will be dependent upon availability of funding and personnel necessary to complete the study. All work associated with the escapement study is anticipated to occur outside the park boundary. The study plan, however, will be provided to the Park Service and U.S. Fish and Wildlife Service for review and comment.

## **Project Background**

The current focal point of management for the fishery of Hebgen Lake, initiated by the Montana Department of Fish, Wildlife and Parks in 1979, is to establish self-sustaining populations of wild trout. To obtain this management goal, the Department began stocking wildstrain trout in Hebgen Lake with the intent of establishing successful spawning runs that would, under natural conditions, exceed recruitment into the fishery previously maintained by stocking of domesticated fish. This change developed in response to the short life span of the domesticated strain of rainbow trout (Oncorhynchus mykiss) planted in Hebgen Lake prior to 1979 coupled with the lake's limited growth season. The poor survival and growth of the domesticated rainbow trout resulted in low angler catch rates (0.24 - 0.41 fish/hr) of fish having an average maximum total length of only 12.0 in. In addition, the domesticated rainbow trout did not establish significant spawning runs in any of the numerous tributaries of Hebgen Lake. During this period, however, escapement of brown trout (Salmo trutta) in tributaries such as Black Sands Spring, South Fork of the Madison, mainstem Madison, Duck Creek, etc., was very successful, reflecting the high quality of spawning conditions in these streams and the potential for establishing self-sustaining populations of wild rainbow trout. In addition, it was also anticipated that wild-strain rainbow trout would have a higher survival rate than the domesticated rainbows, resulting in increased angler catch rates of fish having a greater average maximum total length.

The wild trout management goal established in 1979 lead to the cessation of stocking domesticated hatchery rainbow trout (Figure 1). At that time, the Department switched to planting wild-strain Lake McBride Cutthroat trout (O. clarki). The McBride cutthroat exhibited high survival and growth rates but did not effectively reproduce in tributaries of Hebgen Lake, as was the case with the domesticated rainbows. As a result, in the late 1980's the Department initiated a large-scale stocking program of Eagle Lake and DeSmet rainbow trout in Hebgen Lake, both of which are also wild-strain fish. The original stock of Eagle Lake rainbow is a piscivore obtained from Eagle Lake, California where it feeds primarily on lake chubs. The DeSmet rainbow stock is primarily a plankton feeder and was obtained from Lake DeSmet, Wyoming. The DeSmet strain has since been established in Willow Creek Reservoir located near Harrison, Montana which serves as the egg source for stocking in Hebgen Lake. From 1986 to present, several hundred thousand young-of-the-year Eagle Lake and DeSmet rainbows were stocked in Hebgen Lake with the intent of building wild populations that would reproduce naturally, thereby providing ample recruitment to sustain a productive fishery without the dependence and expense associated with annual stocking.

In 1994, Hebgen Lake is scheduled for stocking of approximately 50,0000 Eagle Lake

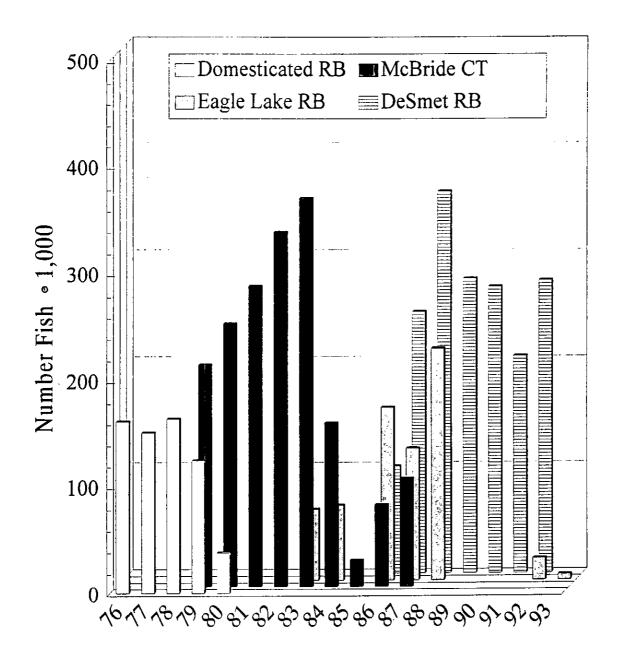


Figure 1. Quantities and strains of salmonids stocked in Hebgen Lake between 1976 and 1993.

and 50,000 DeSmet rainbow trout. The rationale behind the equal split of stocking these two wild stains of rainbow trout is that little information exists on which strain, if either, is reproducing naturally and to what extent each strain contributes to the overall recruitment of the Hebgen Lake fishery. To determine the reproductive success of these two wild-strain stocks, the Department has initiated a basin-wide study to quantify and genetically identify escapement for several of the major tributaries of Hebgen Lake.

As part of the basin-wide study, a brown trout escapement project was completed on Black Sands Spring and the South Fork of the Madison in the fall and winter 1993-94. One of the key objectives of that study was to develop working fish traps and a subsampling methodology that could be used to estimate escapement on large river systems such as the upper Madison. After several modifications in the fish traps, we developed a design that was effective in capturing and retaining adult fish without injury and were able to estimate total escapement of adult brown trout for Black Sands Spring; no estimate was possible for the South Fork of the Madison due to problems with the earlier trap designs.

Using the modified fish traps, the Department initiated a second phase of the South Fork of the Madison River Salmonid Escapement Study in the spring of 1994 (Hetrick 1994). This segment of the study was designed to:

- estimate escapement of rainbow trout for the South Fork of the Madison River and for Black Sands Spring
- determine, through gel electophoretic analyses, the genetic composition of spawning runs in the South Fork of the Madison River and in Black Sands Spring
- mark individual fish that could be captured at a later date to determine growth rates and the South Fork system's contribution the overall fishery of Hebgen Lake
- refine a subsample fish trapping methodology that could be used to estimate escapement on large rivers such as the upper Madison.

The methodologies currently in use to complete the South Fork of the Madison River Salmonid Escapement Study, if proven to be successful, will allow us to estimate escapement of rainbow and brown trout and to genetically identify the strain or strains of rainbow trout that spawn in the Madison system. These information are an integral component of the overall Hebgen Lake basin escapement study and will be invaluable in making future management decisions regarding stock assessment and hatchery supplementation of wild-strain rainbow trout. The specific objectives of the Cooperative Study on Fish Migration and Spawning in the Upper Madison River Drainage are as follows:

• estimate escapement of brown and rainbow trout for the Madison River

- determine, through gel electophoretic analyses, the genetic composition of rainbow trout spawning runs in the Madison River
- mark individual fish that could be captured at a later date to determine growth rates and the Madison River system's contribution the overall fishery of Hebgen Lake.

To meet these objectives, we split the study design into two distinct phases. The first phase involved collection of baseline data on water temperatures and timing of fry outmigration and was completed in 1993. The second phase will involve fish trapping to estimate escapement and collect specimens for genetic identification.

#### Phase One Methods

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Collection of preliminary data began in 1991 that initialed monitoring water temperatures in the Firehole, Gibbon and the Upper Madison River (Figure 2) at the following locations:

- Firehole River approximately 0.5 mi below the falls
- Gibbon River at the bridge near Madison Junction
- Madison River at the 7 mi bridge in Yellowstone National Park
- Madison River at the Highway 287 Bridge outside the park.

Electronic temperature recorders were set to measure water temperature just above the streambed every 5 min, recording an average of those measurements to an electronic data storage chip every 2 h. Water temperature data were downloaded from the recorders at approximately 3 to 4 month intervals into relational database software that was used to calculate daily mean, maximum, and minimum and monthly mean water temperatures. Water temperatures are listed in Appendix A and provided on a Dos formatted disk in ASCII and dBase IV formats in Appendix B.

A limited amount of fry trapping was also done starting 31 January 1992 and continued one day a week through 19 May 1992. Fry traps were set in the Madison River adjacent to the loop road that parallels the river between the west entrance of the Park and Madison Junction. Traps were set on the Firehole and Gibbon rivers just upstream of their confluence. Each fry trap sampled a 3 ft wide column of the stream channel; 3 traps were used on the Madison, 2 on the Firehole, and 1 on the Gibbon River. Traps were placed instream at approximately 1700 hr, sampled continuously throughout the night, and were pulled at approximately 0900 hr the following day. Fry were identified and counted in the field and returned to the stream with a limited amount of individuals collected for species verification.

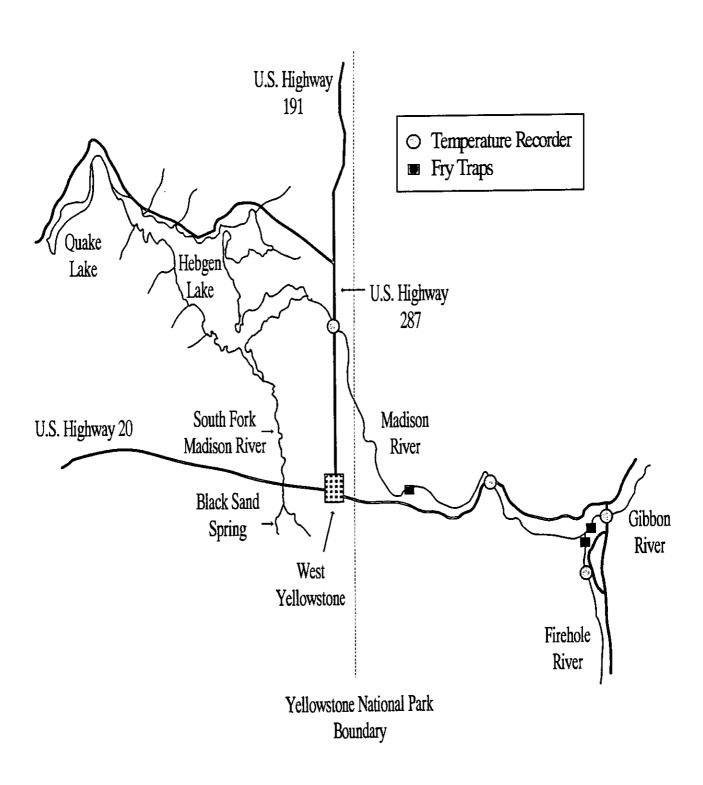


Figure 2. General location of the water temperature monitoring and fry trapping sites used in the Cooperative Study on Fish Migration and Spawning in the Upper Madison River Drainage

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#### **Phase One Results**

The influx of thermally-heated water entering the Firehole and Madison rivers was reflected in the relatively high water temperatures of these streams (Figures 3a-c and 4a-c). Monthly mean water temperatures in the Firehole River exceeded 70.0°F during the months of July and August 1991 (Table 1). The mean monthly water temperatures of the Madison River at the 7 mi bridge in the Park during these two months were 68.3° and 67.0°F, respectively. At the Highway 287 bridge just outside of the Park, however, water temperatures were consistently lower than those measured upstream at the 7 mi bridge, reflecting the cooling effect of evening air temperatures and possibly advective input (Figure 5a-c). Mean daily (Figure 6a-c) and monthly (Table 1) water temperatures of the Gibbon River were similar to those measured in the Madison River at the Highway 287 Bridge. Diurnal temperature fluctuations, however, were greater on the Gibbon than on the Firehole or either site sampled on the Madison. The Madison River in the Park had the lowest daily temperature fluctuations, especially during the summer months.

The timing of spawning activity has likely evolved in response to water temperature (Bjornn and Reiser 1991). The recommended temperature for spawning of rainbow trout as reported by Bell (1986) ranges from 36 - 68°F with the optimum range being 50 - 57°F (Piper et al. 1982). Due to the influence of thermally-heated water in the Firehole and Madison rivers, the timing of spawning may significantly differ from other tributaries of Hebgen Lake having cooler water temperatures. This may partially explain the well-known "fall run" of rainbow trout that migrate into the Madison each fall.

The amount of time needed for egg development, hatching, and fry emergence are all directly related to water temperature (Bjornn and Reiser 1991). At a constant water temperature of 40°F, an egg would accumulate 8 temperature units (1 temperature unit = 1°F above freezing for 24 hr) each day. At this constant temperature, rainbow trout eggs would hatch in 80 days after accumulating 640 temperature units (Piper et al. 1982). At a constant temperature of 50 °F, however, rainbow trout eggs would hatch in 31 days after accumulating 558 temperature units. As a result, in thermally-influenced waters such as the Firehole and Madison rivers, eggs may hatch in approximately half the time it takes in much colder tributaries of Hebgen Lake like Trapper Creek (Fredenberg 1991). Once the eggs hatch, there is also an additional amount of time and associated temperature units needed for the fry to absorb their yolk sac and emerge from the gravels. Fredenberg (1991) reported that roughly 1,080 temperature units are required for rainbow trout eggs to hatch and the fry to emerge before they begin their migration to Hebgen Lake.

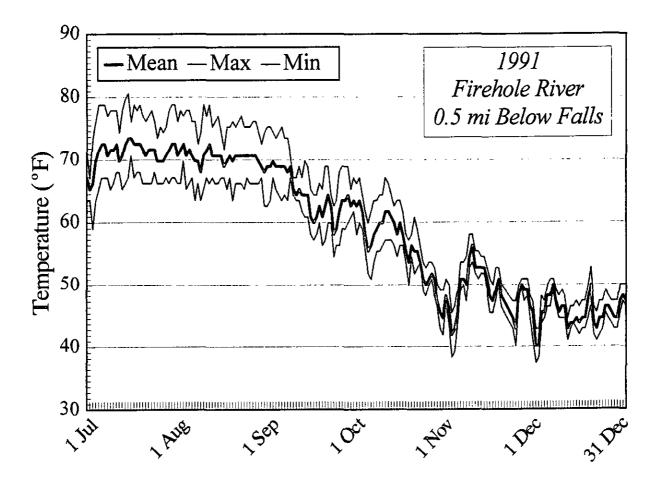


Figure 3a. Mean, maximum, and minimum daily water temperatures of the Firehole River approximately 0.5 mi below Firehole falls during 1991.

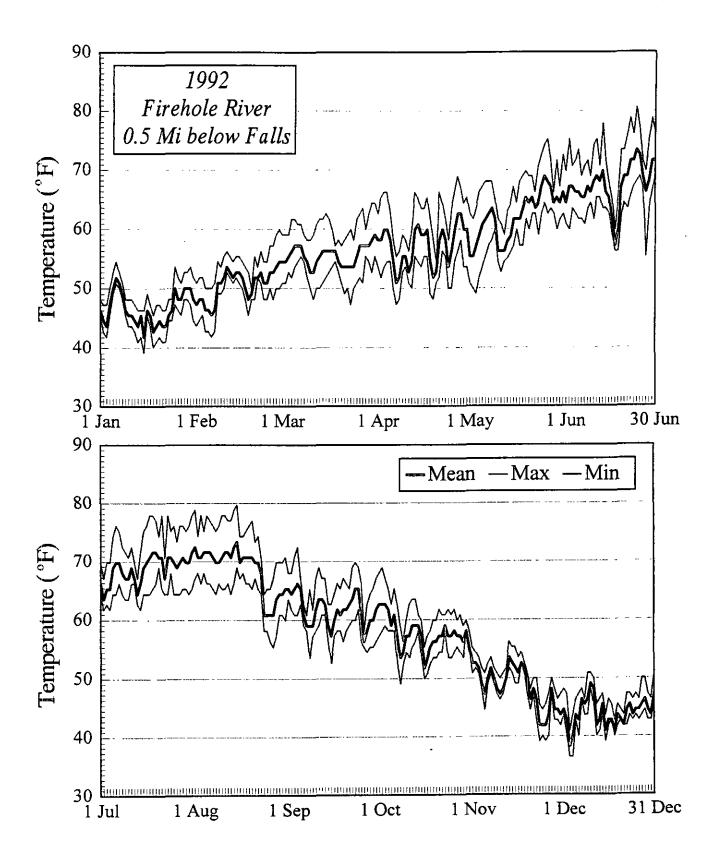


Figure 3b. Mean, maximum, and minimum daily water temperatures of the Firehole River approximately 0.5 mi below Firehole falls during 1992.

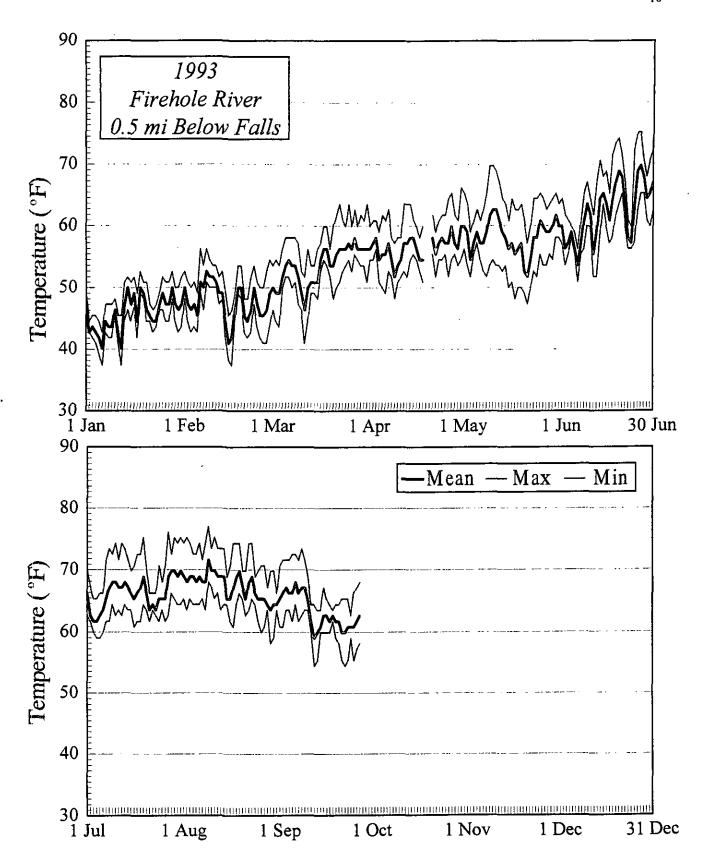


Figure 3c. Mean, maximum, and minimum daily water temperatures of the Firehole River approximately 0.5 mi below Firehole falls during 1993.

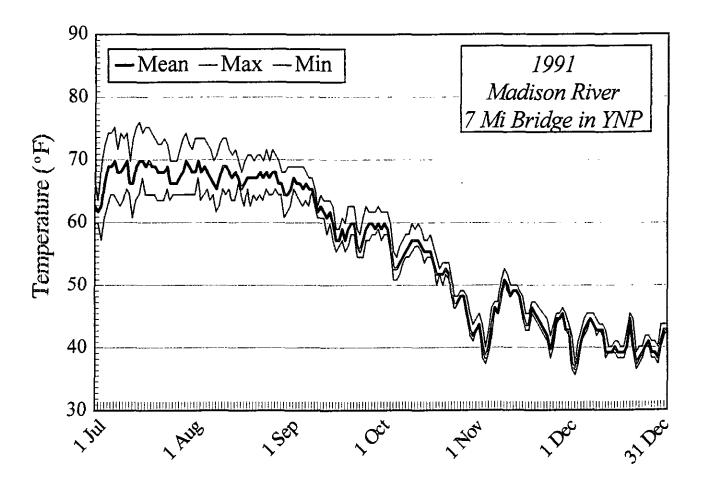


Figure 4a. Mean, maximum, and minimum daily water temperatures of the Madison River at the 7 mi bridge in Yellowstone National Park during 1991.

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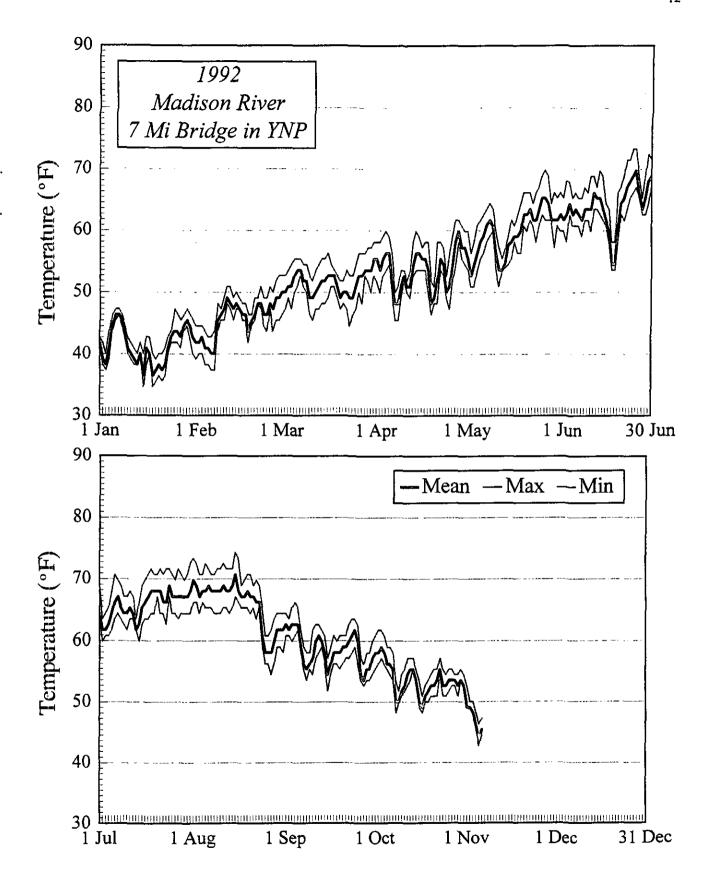


Figure 4b. Mean, maximum, and minimum daily water temperatures of the Madison River at the 7 mi bridge in Yellowstone National Park during 1992.

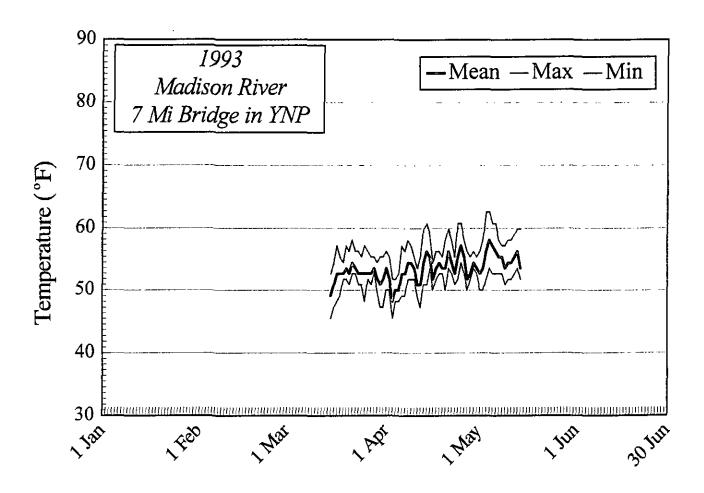


Figure 4c. Mean, maximum, and minimum daily water temperatures of the Madison River at the 7 mi bridge in Yellowstone National Park 1993.

Table 1. Monthly mean water temperatures of the Firehole, Gibbon, and Madison rivers from Jun 1991 to Sep 1993.

Date	Firehole	Gibbon	Madison	Madison
			HW 287	In YNP
Jun 1991	66.2	58.4	a	62.3
Jul	71.6	64.7	a	68.3
Aug	70.2	64.0	64.3	67.0
Sep	63.9	57.3	57.4	60.7
Oct	55.0	47.5	47.3	51.7
Nov	48.7	40.6	40.0	44.6
Dec	45.6	37.0	38.5	40.6
Jan 1992	46.6	37.9	41.8	41.4
Feb	50.7	42.5	a	45.8
Mar	55.7	48.3	а	51.7
Apr	57.2	49.3	a	53.6
May	62.4	56.7	a	59.9
Jun	67.4	60.8	a	64.0
Jul	68.9	62.8	a	65.9
Aug	68.5	62.9	57.8	65.7
Sep	61.6	55.2	51.3	58.4
Oct	57.3	50.2	50.0	53.5
Nov	48.3	a	45.7	a
Dec	44.0	a	37.7	a
Jan 1993	45.8	a	36.7	a
Feb	47.8	a	38.9	a
Mar	53.6	a	a	a
Apr	56.5	49.2	a	53.2
May	58.2	51.8	55.6	a
Jun	62.3	a	57.1	a
Jul	66.1	a	57.3	a
Aug	67.4	2	58.9	a
Sep	63.2	a	52.5	a

<sup>&</sup>lt;sup>a</sup> Incomplete or no data available

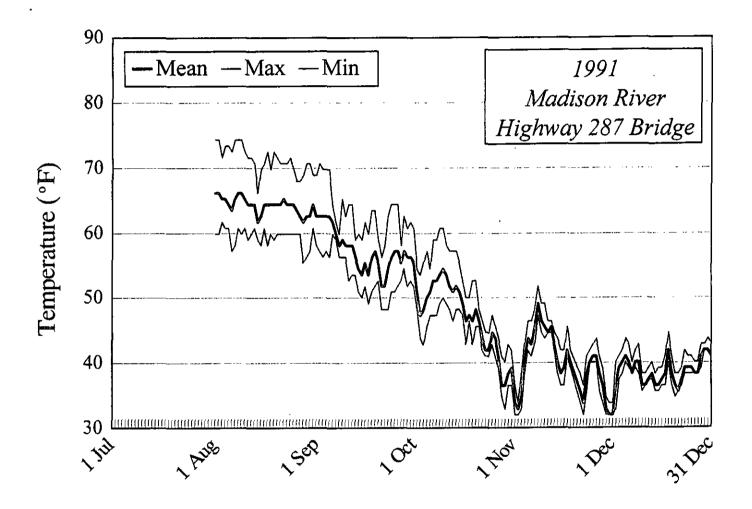


Figure 5a. Mean, maximum, and minimum daily water temperatures of the Madison River at the Highway 287 bridge just outside of Yellowstone National Park during 1991.



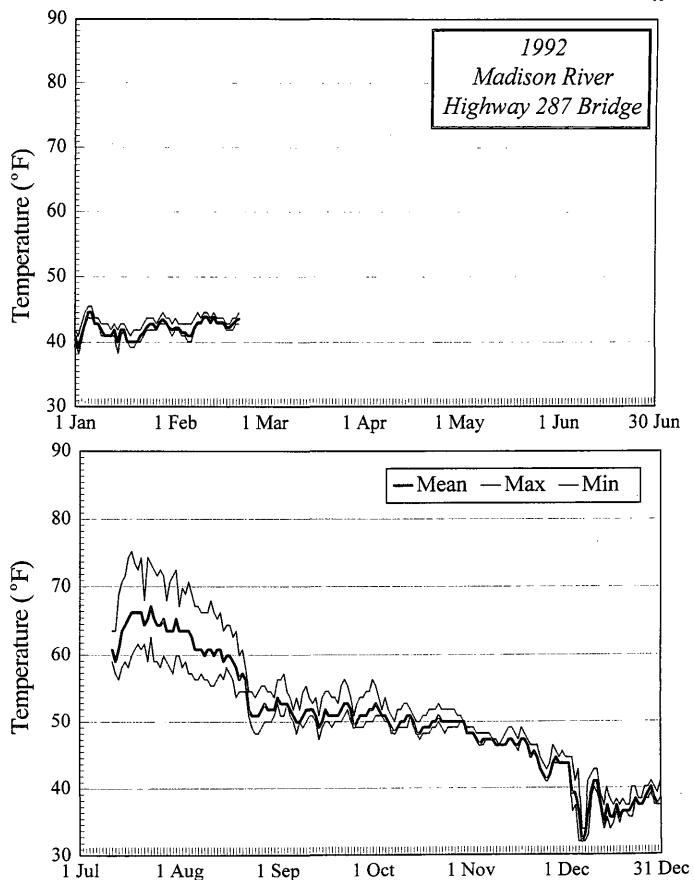


Figure 5b. Mean, maximum, and minimum daily water temperatures of the Madison River at the Highway 287 bridge just outside of Yellowstone National Park during 1992.

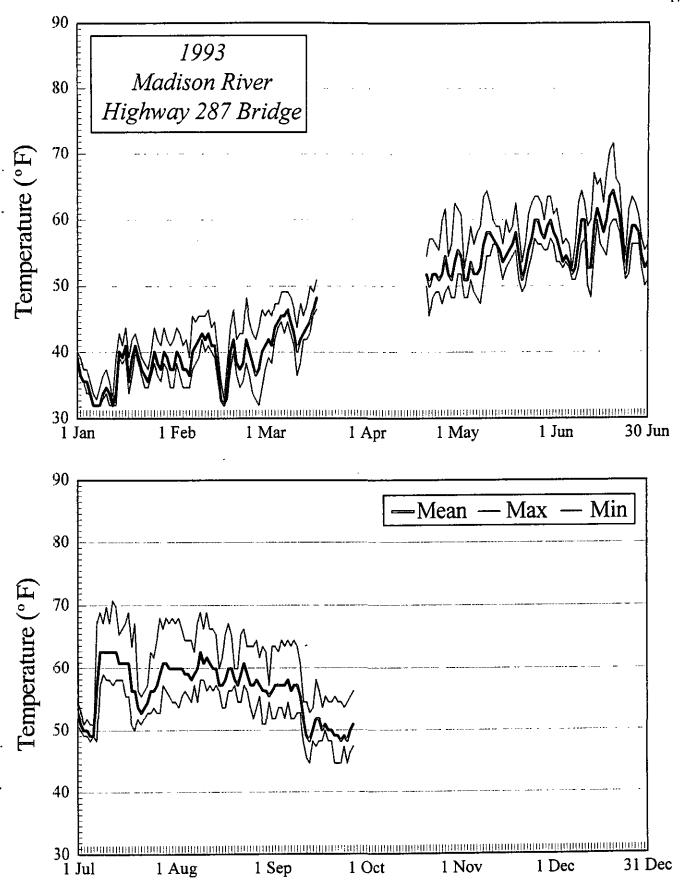


Figure 5c. Mean, maximum, and minimum daily water temperatures of the Madison River at the Highway 287 bridge just outside of Yellowstone National Park during 1993.

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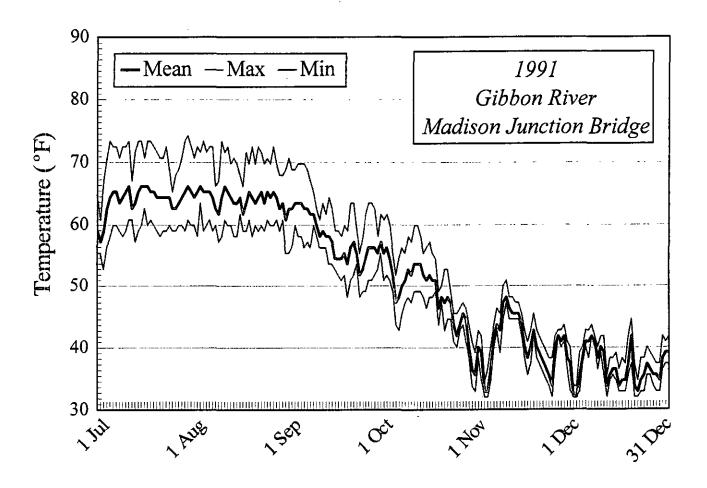


Figure 6a. Mean, maximum, and minimum daily water temperatures of the Gibbon River at the bridge near Madison Junction in Yellowstone National Park during 1991.

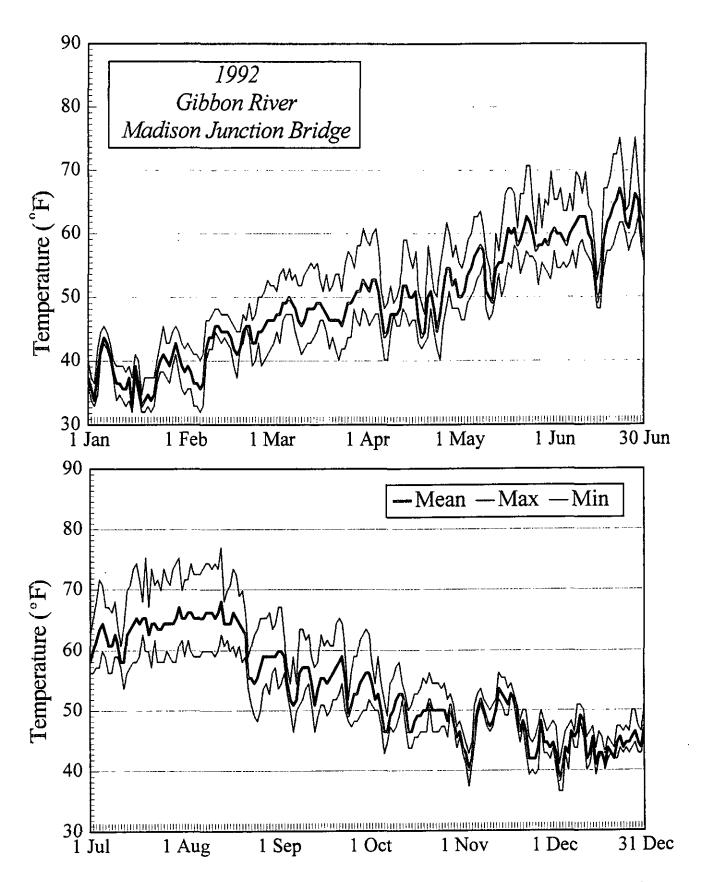


Figure 6b. Mean, maximum, and minimum daily water temperatures of the Gibbon River at the bridge near Madison Junction in Yellowstone National Park during 1992.

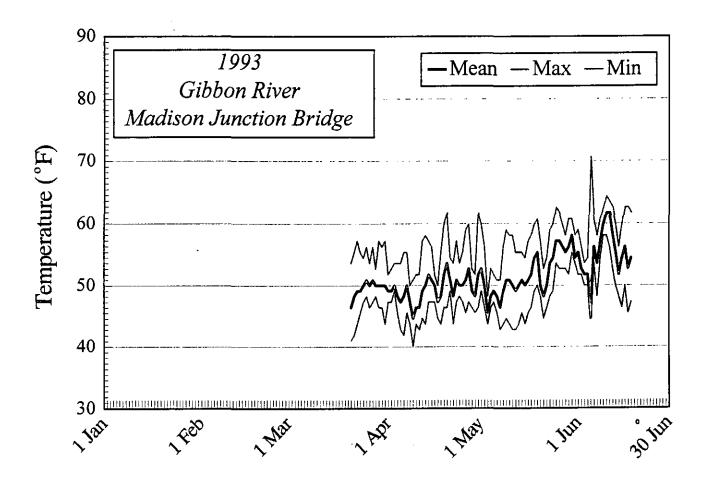


Figure 6c. Mean, maximum, and minimum daily water temperatures of the Gibbon River at the bridge near Madison Junction in Yellowstone National Park during 1993.

Outmigration of rainbow trout fry from the Firehole and Madison rivers peaked approximately 26 Mar for the period sampled (Table 2). In late April and early May, just prior to the end of the sampling period, a few rainbow trout fry were captured in the Gibbon River. Numerous brown trout fry were captured in the Madison and Gibbon rivers; few brown trout fry were captured in the Firehole River.

Using temperature data from 1992, 26 Mar as the peak of fry emigration, and 1,080 temperature unit value previously mentioned, we were able to backcalculate the peak of the rainbow trout spawning for the Firehole and Madison rivers. Based on these data, the peak of rainbow trout spawning in the Firehole River was estimated to be around 3 Feb, approximately 52 days before the peak outmigration of fry. Average daily water temperatures in the Firehole River were equal to or approached the 50°F preferred temperature range for spawning of rainbow trout on several days around this time period. This is significantly earlier than spawning runs on some of the cooler tributaries of Hebgen lake that are not influenced by thermal activity. In Duck Creek, for example, the peak of the rainbow run in 1990 occurred on 6 May, the first day of that spring where the average daily water temperature exceeded 50.0°F (Fredenberg 1991).

Using 26 Mar as the peak of fry emigration and water temperature data from the 7 mi bridge in the Park, the peak of rainbow trout spawning in the Madison River was estimated to be approximately 11 Jan, 85 days before the peak fry outmigration. During this period, water temperatures ranged from the high 30's to the mid-40's °F. It is probable, however, that isolated areas of the Madison River in Yellowstone National Park had water temperatures the reached the preferred 50°F level due to localized inputs of thermally-heated water.

#### Phase Two Methods

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Dependent upon available funding and the success of the methodology currently being used to conduct the South Fork of the Madison Salmonid Escapement Study, we are planning to conduct an escapement study on the upper Madison River in the fall of 1995 that would continue through the spring 1996. Based on our knowledge of the timing of the brown trout run in the Upper Madison River, traps would need to be installed and working by mid-September. Results from phase one of this study indicated that the traps would need to be operated throughout the winter. Traps would need to be operated well into the spring until the rainbow trout run ended.

All fish trapping would be conducted between Hebgen Lake and the Park boundary. Details of the study will be provided to the Park Service and the Fish and Wildlife Service prior to initiating the study.

Table 2. Catch of rainbow and brown trout fry in traps in the Madison, Firehole, and Gibbon rivers during 1992.

Date	Madis	on	Fire	hole	Gib	bon
	RB	LL	RB	LL	ŘВ	LL
31 Jan	2	0	0	0	0	1
12 Feb	4	4	11	1	0	0
19 Feb	9	6	16	4	0	0
26 Feb	9 1	28	42	2	0	1
10 Mar	32	103	114	0	0	11
17 Mar	13	55	103	0	0	7
26 Mar	201	62	172	0	0	210
01 Apr	127	12	70	0	0	90
08 Apr	50	10	12	0	1	152
16 Apr	26	6	5	0	0	30
21 Apr	21	19	5	0	0	10
27 Apr	27	6	6	0	3	10
04 May	5	8	Ō	0	9	7
12 May	1	7	0	0	0	0
19 May	1	0	0	0	5	5

Note that these fry trapping data are only indicators of migration timing and not estimates of total recruitment to Hebgen Lake.

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### APPENDIX A

Daily mean, maximum, and minimum water temperatures collected from the Firehole and Gibbon Rivers and two sites on the Madison River during 1991-1994. Values listed as 00.0 reflect no data and are not actual temperatures.

									<del></del>	A Collinson in MAID		
		Firehole			Gibbon		Madis	on 287 B	ridge	Madi	son in Y	
Date	Mean	<u>Max</u>	Min	<u>Mean</u>	Max	Min	<u>Mean</u>	Max	Min	<u>Mean</u>	Max	Min
												59.9
06/28/91	67.1	71.6	63.5	59.0	64.4	55.4	00.0	00.0	00.0	62.6	66.2	59.9 59.9
06/29/91	65.3	67.1	63.5	57.2	60.8	55.4	00.0	00.0	00.0	61.7	63.5	
06/30/91	66.2	73.4	59.0	59.0	67.1	52.7	00.0	00.0	00.0	62.6	69.8	57.2
07/01/91	69.8	76.1	63.5	62.6	70.7	56.3	00.0	00.0	00.0	66.2	72.5	60.8
07/02/91	71.6	78.8	65.3	64.4	73.4	58.1	00.0	00.0	00.0	68.9	74.3	62.6
07/03/91	72.5	78.8	67.1	65.3	72.5	59.9	00.0	00.0	00.0	68.9	74.3	64.4
07/04/9.	72.5	78.8	67.1	65.3	72.5	59.9	00.0	00.0	00.0	69.8	75.2	64.4
07/05/91	70.7	77.0	67.1	63.5	70.7	59.0	00.0	00.0	00.0	68.0	71.6	63.5
07/06/91	71.6	77.9	65.3	64.4	72.5	58.1	00.0	00.0	00.0	68.0	74.3	62.6
07/07/91	71.6	77.9	66.2	65.3	72.5	59.0	00.0	00.0	00.0	68.9	73.4 ,	63.5
07/08/91	72.5	77.9	68.0	66.2	73.4	60.8	00.0	00.0	00.0	69.8	74.3	65.3
07/09/91	69.8	74.3	68.0	62.6	67.1	60.8	00.0	00.0	00.0	66.2	69.8	64.4
07/10/91	70.7	77.9	65.3	63.5	71.6	57.2	00.0	00.0	00.0	66.2	73.4	60.8
07/11/91	72.5	79.7	66.2	65.3	73.4	59.0	00.0	00.0	00.0	68.9	75.2	63.5
07/12/91	73.4	80.6	67.1	66.2	73.4	59.9	00.0	00.0	00.0	69.8	76.1	64.4
07/13/91	73.4	76.1	70.7	66.2	70.7	62.6	00.0	00.0	00.0	69.8	74.3	67.1
07/14/91	72.5	78.8	67.1	66.2	73.4	59.9	00.0	00.0	00.0	68.9	75.2	64.4
07/15/91	72.5	77.9	68.0	65.3	73.4	60.8	00.0	00.0	00.0	69.8	75.2	64.4
07/16/91	72.5	78.8	68.0	65.3	72.5	59.9	00.0	00.0	00.0	68.9	74.3	64.4
07/17/91	71.6	77.0	66.2	64.4	71.6	59.0	00.0	00.0	00.0	68.9	73.4	64.4
07/18/91	70.7	76.1	66.2	64.4	70.7	58.1	00.0	00.0	00.0	68.0	72.5	63.5
07/19/91	71.6	77.0	66.2	64.4	70.7	59.0	00.0	00.0	00.0	68.0	72.5	63.5
07/20/91	71.6	77.9	66.2	64.4	72.5	59.0	00.0	00.0	00.0	68.0	73.4	63.5
07/21/91	71.6	76.1	68.0	64.4	68.9	59.9	00.0	00.0	00.0	68.9	72.5	65.3
07/22/91	69.8	73.4	66.2	62.6	65.3	59.0	00.0	00.0	00.0	66.2	69.8	63.5
07/23/91	69.8	75.2	66.2	62.6	68.0	59.0	00.0	00.0	00.0	66.2	69.8	64.4
07/24/91	69.8	74.3	66.2	63.5	68.9	59.9	00.0	00.0	00.0	66.2	69.8	64.4
07/25/91	70.7	75.2	67.1	64.4	70.7	59.9	00.0	00.0	00.0	67.1	71.6	64.4
07/26/91	71.6	77.9	66.2	65.3	73.4	59.0	00.0	00.0	00.0	68.0	73.4	64.4
07/27/91	72.5	78.8	67.1	66.2	74.3	60.8	00.0	00.0	00.0	69.8	74.3	64.4
07/28/91	72.5	78.8	67.1	65.3	72.5	59.9	00.0	00.0	00.0	68.9	72.5	64.4
07/29/91	70.7	76.1	66.2	64.4	70.7	59.9	00.0	00.0	00.0	68.0	71.6	64.4
07/30/91	71.6	77.9	66.2	65.3	72.5	58.1	00.0	00.0	00.0	68.0	73.4	64.4
07/31/91	72.5	77.0	69.8	66.2	71.6	63.5	00.0	00.0	00.0	69.8	73.4	67.1
08/01/91	70.7	77.9	65.3	65.3	73.4	59.0	66.2	74.3	59. <del>9</del>	68.0	73.4	63.5
08/02/91	71.6	77.9	66.2	65.3	71.6	59.9	66.2	74.3	59.9	68.9	73.4	64.4
08/03/91	70.7	76.1	67.1	65.3	72.5	60.8	65.3	71.6	61.7	68.0	72.5	65.3
08/04/91	69.8	76.1	63.5	64.4	72.5	59.0	65.3	73.4	60.8	67.1	71.6	63.5
08/05/91	69.8	72.5	66.2	62.6	66.2	59.9	64.4	73.4	60.8	66.2	69.8	64.4
08/06/91	68.0	74.3	63.5	61.7	67.1	57.2	63.5	72.5	57.2	65.3	70.7	61.7
08/07/91	70.7	78.8	65.3	64.4	73.4	58.1	65.3	74.3	58.1	67.1	72.5	62.6
08/08/91	71.6	77.0	67.1	66.2	71.6	60.8	66.2	74.3	60.8	68.9	73.4	65.3
08/09/91	72.5	78.8	66.2	65.3	72.5	59.9	66.2	74.3	59.9	68.9	73.4	64.4
08/10/91	70.7	75.2	67.1	64.4	69.8	59.9	65.3	72.5	60.8	68.0	71.6	65.3
08/11/91	70.7	76.1	66.2	63.5	70.7	58.1	64.4	71.6	59.0	67.1	70.7	63.5
08/12/91	70.7	77.0	66.2	63.5	69.8	58.1	64.4	71.6	59.9	68.0	71.6	63.5
08/13/91	70.7	74.3	67.1	64.4	68.0	61.7	64.4	70.7	60.8	67.1	69.8	66.2
08/14/91	68.9	71.6	67.1	61.7	66.2	59.0	61.7	66.2	59.0	65.3	68.0	64.4
08/15/91	69.8	75.2	65.3	63.5	71.6	59.0	62.6	69.8	58.1	66.2	69.8	62.6

		Firehole			Gibbon		Madis	on 287 E	Bridge	Madison in YNP		
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
08/16/91	70.7	75.2	67.1	65.3	69.8	60.8	64.4	70.7	60.8	67.1	70.7	65.3
08/17/91	69.8	76.1	63.5	64.4	72.5	58.1	64.4	72.5	58.1	67.1	70.7	62.6
08/18/91	70.7	75.2	66.2	63.5	69.8	59.9	64.4	69.8	59.9	67.1	69.8	64.4
08/19/91	70.7	76.1	66.2	64.4	72.5	59.0	64.4	72.5	59.0	67.1	70.7	63.5
08/20/91	70.7	77.0	66.2	65.3	71.6	59.9	64.4	71.6	59.9	68.0	70.7	64.4
08/21/91	70.7	75.2	65.3	63.5	69.8	59.0	64.4	70.7	59.9	67.1	69.8	63.5
08/22/91	70.7	75.2	67.1	65.3	70.7	60.8	65.3	70.7	59.9	68.0	71.6	65.3
08/23/91	70.7	75.2	66.2	64.4	69.8	59.9	64.4	70.7	59.9	67.1	69.8	64.4
08/24/91	70.7	76.1	66.2	65.3	72.5	59.9	64.4	71.6	59.9	68.0	71.6	64.4
08/25/91	70.7	76.1	66.2	64.4	69.8	60.8	64.4	69.8	59.9	68.0	70.7	65.3
08/26/91	69.8	74.3	66.2	62.6	68.0	59.0	63.5	68.0	59.9	66.2	69.8	64.4
08/27/91	68.9	72.5	67.1	63.5	68.0	60.8	62.6	68.0	59.9	66.2	68.0	64.4
08/28/91	68.0	74.3	62.6	60.8	68.9	55.4	61.7	68.9	55.4	64.4	68.0	60.8
08/29/91	68.9	75.2	62.6	62.6	70.7	55.4	62.6	70.7	56.3	64.4	68.9	61.7
08/30/91	68.9	75.2	63.5	62.6	68.9	56.3	62.6	70.7	57.2	65.3	68.9	62.6
08/31/91	69.8	74.3	67.1	63.5	68.9	59.9	64.4	68.9	60.8	67.1	68.9	65.3
09/01/91	68.9	73.4	65.3	63.5	69.8	58.1	62.6	68.9	58.1	66.2	68.9	64.4
09/02/91	68.9	74.3	64.4	63.5	69.8	58.1	62.6	70.7	57.2	66.2	68.9	63.5
09/03/91	68.9	75.2	63.5	62.6	69.8	56.3	62.6	69.8	56.3	65.3	68.9	62.6
09/04/91	68.9	73.4	64.4	62.6	68.9	57.2	62.6	69.8	57.2	66.2	68.0	63.5
09/05/91	68.0	73.4	63.5	61.7	67.1	56.3	62.6	69.8	56.3	65.3	67.1	62.6
09/06/91	68.9	70.7	67.1	61.7	65.3	59.9	61.7	64.4	59.9	65.3	67.1	65.3
09/07/91	65.3	67.1	64.4	59.9	62.6	58.1	59.9	61.7	59.0	63.5	65.3	62.6
09/08/91	64.4	67.1	63.5	58.1	60.8	56.3	58.1	59.9	56.3	61.7	62.6	60.8
09/09/91	65.3	68.9	63.5	59.0	63.5	56.3	59.0	65.3	56.3	62.6	64.4	60.8
09/10/91	64.4	67.1	61.7	58.1	61.7	56.3	58.1	62.6	56.3	61.7	63.5	60.8
09/11/91	64.4	69.8	60.8	58.1	64.4	53.6	58.1	64.4	52.7	60.8	63.5	58.1
09/12/91	64.4	68.9	60.8	57.2	62.6	53.6	58.1	64.4	53.6	61.7	63.5	59.9
09/13/91	60.8	65.3	58.1	54.5	59.0	52.7	56.3	59.0	53.6	59.9	62.6	57.2
09/14/91	59.9	64.4	57.2	54.5	59.0	51.8	54.5	59.9	50.9	57.2	59.0	55.4
09/15/91	60.8	64.4	58.1	54.5	58.1	50.9	53.6	59.0	50.0	57.2	59.0	56.3
09/16/91	62.6	66.2	59.9	55.4	59.9	51.8	55.4	61.7	51.8	59.0	60.8	57.2
09/17/91	60.8	65.3	56.3	53.6	59.0	48.2	53.6	59.9	49.1	57.2	59.9	55.4
09/18/91	62.6	68.9	57.2	56.3	63.5	50.9	56.3	63.5	50.9	59.0	62.6	56.3
09/19/91	64.4	68.9	59.9	57.2	63.5	51.8	57.2	63.5	51.8	59.9	62.6	58.1
09/20/91	62.6	64.4	59.9	55.4	59.0	53.6	55.4	59.0	52.7	59.9	62.6	58.1
09/21/91	58.1	62.6	54.5	51.8	55.4	48.2	51.8	56.3	48.2	56.3	59.0	54.5
09/22/91	59.0	63.5	56.3	52.7	58.1	49.1	51.8	58.1	48.2	55.4	58.1	54.5
09/23/91	61.7	68.0	56.3	54.5	61.7	49.1	54.5	62.6	48.2	57.2	60.8	54.5
09/24/91	63.5	68.9	59.0	56.3	63.5	50.9	56.3	64.4	50.9	59.0	62.6	57.2
09/25/91	63.5	68.9	59.0	56.3	63.5	50.9	57.2	64.4	50.9	59.9	61.7	57.2
09/26/91	64.4	68.9	59.9	56.3	62.6	51.8	57.2	64.4	51.8	59.9	61.7	58.1
09/27/91	62.6	65.3	60.8	55.4	58.1	52.7	55.4	58.1	52.7	59.0	61.7	58.1
09/28/91.	63.5	67.1	61.7	57.2	61.7	55.4	57.2	62.6	54.5	59.9	62.6	59.0
09/29/91	62.6	66.2	58.1	55.4	60.8	50.9	56.3	60.8	51.8	59.0	61.7	57.2
09/30/91	63.5	67.1	59.9	56.3	61.7	51.8	56.3	61.7	52.7	59.9	61.7	58.1
10/01/91	61.7	64.4	59.0	54.5	59.9	50.9	55.4	60.8	51.8	59.0	61.7	58.1
10/02/91	58.1	61.7	55.4	51.8	55.4	49.1	50.9	54.5	48.2	56.3	59.9	55.4
10/03/91	55.4	59.9	51.8	47.3	51.8	43.7	47.3	53.6	43.7	52.7	55.4	50.9

		T' 1 1			<u> </u>		76 1	207.0		Madison in YNP		
_		Firehole			Gibbon			on 287 B	_			
Date	Mean	Max	<u>Min</u>	<u>Mean</u>	Max	Min	<u>Mean</u>	Max	_Min	<u>Mean</u>	Max	Min
10/04/91	56.3	61.7	50.9	48.2	54.5	42.8	48.2	55.4	42.8	52.7	54.5	50.9
10/05/91	58.1	63.5	53.6	50.0	56.3	45.5	50.0	57.2	45.5	53.6	56.3	51.8
10/06/91	59.0	63.5	55.4	50.9	55.4	47.3	50.9	54.5	47.3	54.5	57.2	53.6
10/07/91	59.9	64.4	55.4	52.7	58.1	48.2	52.7	59.0	47.3	55.4	58.1	54.5
10/08/91	59.9	64.4	56.3	51.8	57.2	47.3	52.7	59.0	47.3	56.3	58.1	54.5
10/09/91	61.7	67.1	57.2	53.6	59.9	49.1	53.6	60.8	49.1	57.2	59.9	55.4
10/10/91	61.7	66.2	57.2	53.6	59.9	49.1	54.5	60.8	50.0	57.2	59.0	56.3
10/11/91	60.8	64.4	57.2	53.6	58.1	49.1	53.6	58.1	49.1	57.2	59.9	56.3
10/12/91	59.9	62.6	56.3	51.8	55.4	48.2	51.8	57.2	48.2	56.3	59.0	55.4
10/13/91	58.1	63.5	54.5	50.9	56.3	46.4	50.9	57.2	46.4	55.4	57.2	53.6
10/14/91	59.9	63.5	56.3	51.8	57.2	48.2	51.8	57.2	48.2	55.4	57.2	54.5
10/15/91	58.1	61.7	56.3	50.9	55.4	48.2	50.9	55.4	48.2	55.4	58.1	54.5
10/16/91	55.4	58.1	53.6	50.9	54.5	49.1	49.1	52.7	47.3	53.6	56.3	53.6
10/17/91	53.6	57.2	50.0	46.4	49.1	43.7	46.4	50.0	42.8	51.8	54.5	50.0
10/18/91	56.3	58.1	54.5	48.2	50.0	47.3	47.3	50.0	46.4	51.8	52.7	51.8
10/19/91	55.4	60.8	51.8	47.3	52.7	42.8	46.4	52.7	42.8	51.8	53.6	50.0
10/20/91	55.4	59.0	52.7	48.2	52.7	44.6	48.2	52.7	45.5	52.7	53.6	51.8
10/21/91	53.6	56.3	53.6	47.3	49.1	44.6	46.4	48.2	45.5	51.8	53.6	50.9
10/22/91	50.9	53.6	49.1	43.7	45.5	41.0	43.7	46.4	41.9	49.1	50.9	48.2
10/23/91	50.0	52.7	48.2	41.9	45.5	40.1	41.9	44.6	41.0	46.4	48.2	46.4
10/24/91	50.9	53.6	50.0	43.7	46.4	42.8	41.9	44.6	41.0	47.3	48.2	47.3
10/25/91	51.8	53.6	50.9	45.5	47.3	43.7	44.6	47.3	42.8	48.2	49.1	48.2
10/26/91	50.9	52.7	48.2	44.6	46.4	41.0	43.7	45.5	41.0	48.2	49.1	48.2
10/27/91	47.3	50.0	46.4	40.1	43.7	38.3	41.0	43.7	39.2	45.5	48.2	45.5
10/28/91	45.5	49.1	42.8	36.5	41.0	33.8	36.5	41.0	34.7	42.8	45.5	41.9
10/29/91	44.6	49.1	41.9	35.6	39.2	32.9	36.5	40.1	32.9	41.9	43.7	41.0
10/30/91	48.2	50.9	47.3	40.1	42.8	38.3	38.3	42.8	36.5	42.8	44.6	42.8
10/31/91	46.4	50.0	43.7	39.2	41.9	34.7	39.2	41.9	36.5	43.7	45.5	43.7
11/01/91	41.9	45.5	38.3	32.9	34.7	32.0	33.8	36.5	32.0	40.1	43.7	38.3
11/02/91	42.8	46.4	39.2	32.9	36.5	32.0	32.9	33.8	32.0	38.3	40.1	37.4
11/03/91	45.5	49.1	43.7	36.5	40.1	34.7	34.7	38.3	32.9	40.1	42.8	39.2
11/04/91	50.9	53.6	49.1	41.9	43.7	40.1	40.1	42.8	38.3	43.7	46.4	41.9
11/05/91	50.9	53.6	50.0	43.7	46.4	42.8	43.7	46.4	41.9	46.4	47.3	46.4
11/06/91	50.0	54.5	47.3	42.8	45.5	39.2	42.8	46.4	41.0	45.5	47.3	45.5
11/07/91	54.5	58.1	52.7	47.3	50.0	44.6	45.5	48.2	42.8	48.2	50.9	47.3
11/08/91	56.3	58.1	53.6	48.2	50.9	47.3	49.1	51.8	47.3	50.9	52.7	50.9
11/09/91	52.7	55.4	51.8	46.4	48.2	44.6	46.4	49.1	44.6	50.0	51.8	49.1
11/10/91	52.7	55.4	50.9	45.5	48.2	44.6	45.5	49.1	43.7	48.2	50.0	48.2
11/11/91	52.7	54.5	51.8	45.5	47.3	44.6	44.6	46.4	44.6	49.1	50.0	49.1
11/12/91	52.7	54.5	51.8	45.5	47.3	44.6	45.5	46.4	44.6	49.1	50.0	49.1
11/13/91	50.9	52.7	49.1	43.7	45.5	41.9	42.8	44.6	41.9	48.2	49.1	48.2
11/14/91	48.2	50.9	45.5	40.1	42.8	38.3	40.1	43.7	38.3	45.5	48.2	44.6
11/15/91	47.3	50.0	45.5	38.3	41.0	35.6	38.3	41.9	36.5	43.7	45.5	42.8
11/16/91	49.1	52.7	47.3	40.1	42.8	37.4	39.2	41.9	36.5	43.7	45.5	42.8
11/17/91	50.9	52.7	50.0	42.8	45.5	41.9	41.9	45.5	41.0	46.4	47.3	45.5
11/18/91	48.2	50.0	46.4	40.1	42.8	38.3	40.1	41.9	39.2	45.5	47.3	44.6
11/22/91	44.6	47.3	42.8	35.6	38.3	33.8	33.8	36.5	32.0	41.9	44.6	41.0
11/23/91	42.8	47.3	40.1	33.8	38.3	32.0	38.3	41.0	35.6	39.2	41.9	38.3
11/24/91	48.2	50.0	47.3	40.1	41.9	37.4	40.1	41.9	40.1	41.9	43.7	40.1

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ъ.		Firehole	3 C		Gibbon			on 287 E			son in Y	
Date	Mean	Max	<u>Min</u>	Mean_	Max_	Min	<u>Mean</u>	Max	Min	<u>Mean</u>	<u>Max</u>	Min
11/25/91	50.0	50.9	50.0	41.9	42.8	41.9	41.0	42.8	40.1	44.6	45.5	43.7
11/26/91	49.1	50.9	47.3	41.0	42.8	40.1	41.0	43.7	40.1	44.6	45.5	44.6
11/27/91	49.1	50.9	48.2	41.9	43.7	41.0	38.3	41.0	35.6	45.5	46.4	45.5
11/28/91	46.4	48.2	44.6	38.3	41.0	36.5	36.5	39.2	33.8	42.8	45.5	42.8
11/29/91	45.5	47.3	41.0	37.4	40.1	32.9	32.9	34.7	32.0	42.8	43.7	41.9
11/30/91	40.1	42.8	37.4	32.0	33.8	32.0	32.0	33.8	32.0	37.4	41.9	36.5
12/01/91	40.1	42.8	38.3	32.0	33.8	32.0	32.0	33.8	32.0	36.5	37.4	35.6
12/02/91	45.5	48.2	43.7	35.6	39.2	32.9	36.5	40.1	32.9	38.3	41.0	37.4
12/03/91	45.5	47.3	44.6	38.3	40.1	37.4	39.2	41.0	37.4	41.0	42.8	41.0
12/04/91	48.2	50.0	46.4	41.0	42.8	40.1	40.1	41.9	38.3	42.8	44.6	41.9
12/05/91	48.2	50.9	46.4	41.0	42.8	38.3	41.0	43.7	40.1	43.7	45.5	42.8
12/06/91	50.0	50.9	49.1	41.9	43.7	41.9	40.1	42.8	39.2	44.6	45.5	44.6
12/07/91	47.3	49.1	46.4	41.0	41.9	40.1	38.3	40.1	38.3	43.7	45.5	43.7
12/08/91	45.5	48.2	44.6	38.3	40.1	36.5	40.1	41.9	39.2	42.8	44.6	41.9
12/09/91	46.4	49.1	44.6	40.1	41.9	39.2	40.1	42.8	38.3	42.8	43.7	42.8
12/10/91	46.4	48.2	44.6	39.2	41.9	35.6	36.5	38.3	35.6	42.8	43.7	41.9
12/11/91	42.8	44.6	41.0	33.8	35.6	32.0	36.5	38.3	36.5	39.2	42.8	38.3
12/12/91	43.7	46.4	42.8	35.6	38.3	34.7	37.4	39.2	37.4	39.2	40.1	39.2
12/13/91	43.7	46.4	43.7	36.5	38.3	35.6	38.3	40.1	37.4	39.2	40.1	39.2
12/14/91	44.6	47.3	42.8	36.5	39.2	34.7	36.5	38.3	35.6	40.1	41.0	39.2
12/15/91	43.7	46.4	41.9	33.8	36.5	32.9	36.5	39.2	35.6	39.2	41.0	38.3
12/16/91	44.6	47.3	42.8	34.7	38.3	32.9	37.4	39.2	36.5	39.2	40.1	38.3
12/17/91	44.6	47.3	42.8	34.7	37.4	32.9	38.3	41.0	36.5	39.2	40.1	38.3
12/18/91	47.3	50.0	44.6	37.4	41.9	35.6	41.9	44.6	40.1	40.1	42.8	40.1
12/19/91	50.0	52.7	46.4	41.9	44.6	37.4	38.3	41.0	36.5	44.6	45.5	42.8
12/20/91	43.7	46.4	41.9	33.8	37.4	32.0	36.5	38.3	34.7	40.1	44.6	39.2
12/21/91	42.8	45.5	41.0	32.9	34.7	32.0	35.6	38.3	35.6	37.4	39.2	36.5
12/22/91	44.6	47.3	41.9	34.7	38.3	32.9	37.4	39.2	36.5	38.3	40.1	37.4
12/23/91	44.6	47.3	42.8	35.6	38.3	32.9	39.2	41.9	38.3	39.2	40.1	38.3
12/24/91	46.4	49.1	45.5	37.4	40.1	35.6	39.2	41.0	38.3	40.1	41.9	40.1
12/25/91	46.4	48.2	44.6	36.5	39.2	35.6	39.2	41.0	38.3	41.0	41.9	40.1
12/26/91	45.5	47.3	43.7	35.6	38.3	33.8	38.3	40.1	38.3	39.2	41.0	38.3
12/27/91	44.6	47.3	42.8	35.6	37.4	32.9	38.3	40.1	38.3	39.2	41.0	38.3
12/28/91	44.6	47.3	42.8	34.7	37.4	32.9	41.0	42.8	39.2	38.3	40.1	37.4
12/29/91	47.3	50.0	45.5	38.3	41.9	36.5	41.9	42.8	41.9	41.0	43.7	40.1
12/30/91	48.2	50.0	47.3	39.2	41.0	37.4	41.9	43.7	41.9	42.8	43.7	41.9
12/31/91	47.3	50.0	46.4	39.2	41.9	37.4	41.0	42.8	41.0	42.8	43.7	42.8
01/01/92	46.4	48.2	45.5	37.4	40.1	36.5	41.0	41.9	40.1	41.9	42.8	41.0
01/02/92	44.6	47.3	42.8	35.6	37.4	33.8	39.2	41.0	38.3	39.2	41.9	38.3
01/03/92	43.7	47.3	41.9	33.8	36.5	32.9	41.0	42.8	40.1	38.3	40.1	37.4
01/04/92	47.3	50.0	45.5	38.3	41.9	34.7	42.8	44.6	42.8	41.0	43.7	39.2
01/05/92	50.0	52.7	49.1	41.9	44.6	41.0	44.6	45.5	43.7	44.6	46.4	43.7
01/06/92	51.8	54.5	50.9	43.7	45.5	42.8	44.6	45.5	43.7	46.4	47.3	45.5
01/07/92	50.9	52.7	50.0	42.8	44.6	41.9	42.8	43.7	42.8	46.4	47.3	46.4
01/08/92	49.1	50.9	48.2	41.0	42.8	40.1	42.8	43.7	42.8	45.5	46.4	44.6
01/09/92	46.4	48.2	45.5	38.3	40.1	37.4	41.9	42.8	41.0	43.7	44.6	42.8
01/10/92	45.5	48.2	43.7	36.5	39.2	33.8	41.0	42.8	41.0	41.0	42.8	40.1
01/11/92	45.5	48.2	43.7	36.5	39.2	34.7	41.0	42.8	41.0	40.1	41.9	39.2
01/12/92	44.6	47.3	42.8	35.6	39.2	33.8	41.0	41.9	41.0	39.2.	41.0	38.3

Date   Mean   Max   Min   Max   Min   Max   Min   Max   Min   Max													
01/13/92			Firehole			Gibbon		Madis	on 287 E	Bridge	Madi	son in Y	NP
01/14/92	Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
01/14/92									****				
01/15/92 41.9 46.4 49.1 45.5 39.2 12.9 37.4 32.0 41.9 42.8 41.9 41.0 36.5 40.1 34.7 01/16/93 45.5 47.3 45.5 39.2 41.0 37.4 41.9 42.8 41.9 41.0 36.5 40.1 34.7 01/17/92 45.5 47.3 45.7 36.5 40.1 34.7 40.1 41.9 40.1 40.1 42.8 40.1 01/18/93 42.8 45.5 47.3 41.0 33.8 37.4 32.0 40.1 41.0 39.2 36.5 40.1 34.7 01/19/93 43.7 47.3 41.0 33.8 37.4 32.0 40.1 41.0 39.2 36.5 40.1 34.7 01/19/93 43.7 47.3 41.0 33.8 37.4 32.0 40.1 41.0 41.0 39.2 36.5 40.1 35.6 01/20/92 44.6 47.3 41.0 33.8 37.4 32.0 40.1 41.9 40.1 38.3 40.1 35.6 01/20/92 44.6 47.3 41.0 33.8 37.4 32.0 40.1 41.9 40.1 38.3 40.1 35.6 01/20/92 45.5 48.2 44.6 38.3 40.1 36.5 42.3 43.7 40.1 41.9 40.1 38.3 40.1 36.5 01/20/92 45.5 48.2 44.6 38.3 40.1 42.8 43.7 41.9 40.1 38.3 40.1 36.5 01/22/92 45.5 48.2 44.6 40.1 42.8 38.3 42.8 43.7 41.9 41.9 40.1 37.4 40.1 35.6 01/24/92 46.4 41.0 34.7 34.0 45.5 38.3 42.8 43.7 41.9 41.9 40.1 37.4 40.1 36.5 01/26/93 48.2 51.8 46.4 40.1 42.8 38.3 42.8 43.7 41.9 41.9 40.1 40.1 42.8 40.1 40.1 42.8 40.1 40.1 40.1 40.1 40.1 40.1 40.1 40.1													
01/16/92													
0.1/17/92 42.8 45.5 47.3 43.7 36.5 40.1 34.7 40.1 41.9 40.1 40.1 42.8 40.1 01/18/92 43.8 45.5 40.1 32.9 34.7 32.0 40.1 41.0 32.2 36.5 40.1 34.7 01/18/92 43.7 47.3 41.0 33.8 37.4 32.9 40.1 41.0 32.2 36.5 40.1 36.5 01/20/92 43.7 46.4 41.0 33.8 37.4 32.9 40.1 41.9 40.1 38.3 40.1 36.5 01/21/92 45.5 48.2 44.6 38.3 40.1 36.5 40.1 41.9 40.1 38.3 41.0 35.6 01/22/92 45.5 48.2 44.6 38.3 40.1 36.5 42.3 43.7 41.9 41.0 41.0 38.3 41.0 36.5 01/23/92 45.5 48.2 44.6 38.3 40.1 36.5 42.3 43.7 41.9 41.0 41.0 38.3 41.0 36.5 01/24/92 46.4 48.2 44.6 40.1 42.8 38.3 40.1 36.5 42.3 43.7 41.9 42.8 43.7 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 36.5 40.1 41.9 40.1 40.1 41.0 41.0 41.0 41.0 41.0 41.0													
0.1/16/92													
0.1/19/92         43.7         47.3         41.0         33.8         37.4         32.0         40.1         41.9         39.2         37.4         39.2         39.6         55.6           0.1/22/92         43.7         46.4         41.0         34.7         37.4         32.0         41.0         41.9         40.1         38.3         41.0         35.6           0.1/22/92         43.7         46.4         41.0         34.7         37.4         32.9         41.5         42.8         41.0         38.3         41.0         36.5           0.1/22/92         45.5         48.2         44.6         40.1         42.8         38.3         41.9         41.5         41.9         42.8         40.1         40.1         41.9         42.8         40.1         40.2         40.1         41.9         42.8         40.1         41.9         42.8         40.1         41.9         42.8         40.1         41.9         41.0         41.0         42.8         43.7         41.9         42.8         40.1         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9         41.9	•												
01/20/92 44.6 47.3 41.9 34.7 37.4 32.9 40.1 41.9 40.1 38.3 40.1 35.6 01/21/92 43.7 46.4 41.0 33.8 37.4 32.0 41.0 41.9 40.1 37.4 40.1 35.6 01/22/92 43.7 46.4 41.0 34.7 37.4 32.0 41.0 41.9 40.1 37.4 40.1 35.6 01/22/92 45.5 48.2 44.6 38.3 40.1 36.5 42.8 41.0 38.3 41.0 36.5 01/23/92 45.5 48.2 44.6 38.3 40.1 36.5 42.8 41.0 42.8 40.1 01/24/92 46.4 48.2 44.6 40.1 42.8 37.4 42.8 43.7 41.9 41.0 42.8 40.1 01/25/92 50.0 53.6 47.3 41.0 42.8 37.4 42.0 42.8 43.7 41.9 43.7 41.9 01/26/92 48.2 51.8 46.4 40.1 42.8 37.4 42.0 42.8 43.7 41.9 43.7 46.4 41.9 01/27/92 48.2 50.9 45.5 39.2 42.8 36.5 43.0 43.7 41.9 43.7 46.4 41.9 01/28/92 50.0 52.7 48.2 42.8 46.5 43.0 43.7 44.9 43.7 46.4 41.9 01/28/92 50.0 52.7 48.2 42.8 45.5 41.0 44.6 39.2 43.5 44.6 42.8 46.6 46.4 42.8 40.1 42.8 43.7 41.9 43.7 42.8 43.7 41.9 43.7 45.9 44.6 46.4 42.8 40.1 42.8 43.7 44.9 43.7 44.6 45.4 43.7 44.9 44.6 40.1 44.6 49.1 49.1 49.1 49.1 49.1 49.1 49.1 49.1													
01/22/92 43.7 46.4 41.0 33.8 37.4 32.0 41.0 41.0 43.1 37.4 40.1 35.6 01/22/92 43.7 46.4 41.0 34.7 37.4 32.9 41.5 42.8 41.0 37.4 40.1 36.5 01/23/92 45.5 48.2 44.6 38.3 40.1 36.5 42.3 43.7 41.9 41.0 42.8 40.1 01/24/92 46.4 48.2 44.6 40.1 42.8 38.3 42.8 43.7 41.9 41.0 42.8 43.7 41.9 01/25/92 50.0 53.6 47.3 41.0 45.5 38.3 42.8 43.7 41.9 42.8 43.7 41.9 01/26/92 48.2 51.8 46.4 40.1 42.8 37.4 42.0 42.8 43.7 41.9 43.7 47.3 41.9 01/27/92 48.2 50.9 45.5 39.2 42.8 36.5 43.0 43.7 42.8 42.8 42.8 45.5 41.0 01/28/92 50.0 52.7 48.2 41.0 44.6 39.2 43.5 44.6 42.8 42.8 45.5 41.0 01/30/92 50.0 52.7 48.2 42.8 45.5 41.0 44.6 39.2 43.5 44.6 42.8 45.5 47.3 41.9 01/30/92 50.0 52.7 48.2 42.8 45.5 41.0 44.6 39.2 42.8 42.8 45.5 47.3 41.6 01/30/92 48.2 51.8 44.6 39.2 42.8 35.6 41.9 42.8 41.0 42.8 45.5 40.1 01/30/92 48.2 51.8 44.6 39.2 42.8 35.6 41.9 42.8 41.0 42.8 45.5 40.1 02/01/92 47.3 50.9 43.7 38.3 41.9 34.7 42.2 43.7 41.9 44.6 40.1 02/03/92 48.2 51.8 44.6 39.2 42.8 35.6 41.9 42.8 41.9 41.9 44.6 40.1 02/03/92 48.2 51.8 44.6 39.2 42.8 35.6 41.0 42.8 41.0 42.8 44.6 40.1 02/03/92 48.2 51.8 44.6 39.2 42.8 35.6 41.0 42.8 41.0 42.8 44.6 40.1 02/03/92 48.2 51.8 44.6 39.2 42.8 35.6 41.0 42.8 41.0 41.0 42.8 41.0 02/03/92 48.2 51.8 44.6 39.2 42.8 35.6 41.0 42.8 41.0 41.0 42.8 41.0 02/03/92 48.2 51.8 44.6 39.2 42.8 36.5 41.0 32.9 41.5 42.8 41.0 41.0 42.8 43.3 42.9 42.0 42.8 42.8 42.8 42.8 42.8 42.8 42.8 42.8													
01/22/92         43.7         46.4         41.0         34.7         37.4         32.9         41.5         42.8         41.0         38.3         41.0         36.5         42.3         43.7         41.9         41.0         42.8         40.1           01/23/92         46.4         48.2         44.6         40.1         42.8         33.3         42.8         43.7         41.9         42.8         43.7         41.9         41.9         41.7         41.9         41.9         41.7         41.9         41.9         41.7         41.9         41.7         41.9         41.7         41.0         41.9         41.9         41.7         41.9         41.7         41.0         41.9         41.9         41.7         41.0         41.9         41.9         41.6         41.9													
01/23/92								41.0					
01/24/92				41.0	34.7	37.4	32.9	41.5	42.8	41.0	38.3		
01/26/92		45.5	48.2	44.6	38.3	40.1	36.5	42.3	43.7	41.9	41.0	42.8	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		46.4	48.2	44.6	40.1	42.8	38.3	42.8	43.7	41.9	42.8	43.7	
01/27/92         48.2         50.9         45.5         39.2         42.8         36.5         43.0         43.7         42.8         42.8         45.5         41.0           01/28/92         50.0         52.7         48.2         41.0         44.6         39.2         43.5         44.6         42.8         45.5         47.3         44.6           01/30/92         50.0         53.6         47.3         41.0         44.6         38.3         42.2         43.7         41.9         44.6         46.4         42.8           01/31/92         48.2         51.8         44.6         39.2         42.8         35.6         41.9         42.8         41.0         42.8         45.5         40.1           02/01/92         48.2         51.8         44.6         39.2         42.8         35.6         42.2         42.8         41.9         41.9         41.9         41.9         44.6         39.2           02/02/92         48.2         51.8         45.5         38.3         41.9         31.5         42.8         41.0         41.9         41.9         41.9         41.9         41.9         41.9         41.0         42.8         46.1         41.0         42.8	01/25/92	50.0	53.6	47.3	41.0	45.5	38.3	42.8	43.7	41.9	43.7	47.3	41.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	01/26/92	48.2	51.8	46.4	40.1	42.8	37.4	42.0	42.8	41.9	43.7	46.4	
01/29/92         50.0         52.7         48.2         42.8         45.5         41.0         43.0         43.7         42.8         45.5         47.3         44.6         38.3         42.2         43.7         41.9         44.6         46.4         42.8           01/31/92         48.2         51.8         44.6         39.2         42.8         35.6         41.9         42.8         41.9         42.8         41.9         41.9         41.9         41.9         44.6         39.2         42.8         35.6         41.9         41.9         41.9         44.6         39.2         42.8         35.6         42.2         42.8         41.9         41.9         44.6         39.2         42.8         35.6         42.2         42.8         41.9         41.9         44.6         39.2         42.8         35.6         42.2         42.8         41.0         42.8         40.1         41.9         44.6         40.1         40.1         43.7         38.3           02/04/92         46.4         50.0         42.8         36.5         41.0         32.9         41.0         42.8         40.1         41.0         42.8         40.1         41.0         42.8         36.5         42.8	01/27/92	48.2	50.9	45.5	39.2	42.8	36.5	43.0	43.7	42.8	42.8	45.5	41.0
01/30/92         50.0         53.6         47.3         41.0         44.6         38.3         42.2         43.7         41.9         44.6         46.4         42.8           01/31/92         48.2         51.8         44.6         39.2         42.8         35.6         41.9         42.8         41.0         42.8         45.5         40.1           02/01/92         47.3         50.9         43.7         38.3         41.9         34.7         41.9         41.9         44.6         39.2           02/02/92         48.2         51.8         44.6         39.2         42.8         35.6         42.2         42.8         41.9         41.9         44.6         40.1           02/04/92         46.4         50.0         42.8         36.5         41.0         32.9         41.5         42.8         41.0         41.0         42.8         38.3           02/06/92         46.4         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         41.0         42.8         37.4           02/06/92         45.5         50.0         41.9         35.6         40.1         32.0         41.0         42.8         40.1	01/28/92	50.0	52.7	48.2	41.0	44.6	39.2	43.5	44.6	42.8	44.6	46.4	43.7
01/31/92	01/29/92	50.0	52.7	48.2	42.8	45.5	41.0	43.0	43.7	42.8	45.5	47.3	44.6
02/01/92         47.3         50.9         43.7         38.3         41.9         34.7         42.2         43.7         41.9         44.6         39.2         20/02/92         48.2         51.8         44.6         39.2         42.8         35.6         42.2         42.8         41.9         41.9         41.9         44.6         40.1           02/03/92         48.2         51.8         45.5         38.3         41.9         35.6         42.8         41.0         42.8         41.0         43.7         38.3           02/05/92         46.4         50.0         42.8         36.5         41.0         32.9         41.0         42.8         41.0         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         43.0         44.6         42.8         45.5         48.2         43.7           02/09/92         50.9         53.6         49.1         41.9         46.4 <td>01/30/92</td> <td>50.0</td> <td>53.6</td> <td>47.3</td> <td>41.0</td> <td>44.6</td> <td>38.3</td> <td>42.2</td> <td>43.7</td> <td>41.9</td> <td>44.6</td> <td>46.4</td> <td>42.8</td>	01/30/92	50.0	53.6	47.3	41.0	44.6	38.3	42.2	43.7	41.9	44.6	46.4	42.8
02/02/92         48.2         51.8         44.6         39.2         42.8         35.6         42.2         42.8         41.9         44.6         40.1           02/03/92         48.2         51.8         45.5         38.3         41.9         35.6         41.5         42.8         41.0         42.8         44.6         40.1           02/05/92         46.4         50.0         42.8         36.5         41.0         32.9         41.5         42.8         40.1         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         40.1         42.8         37.4           02/07/92         46.4         50.9         42.8         36.5         41.0         32.9         42.3         43.7         40.1         43.7         47.3         47.3         41.9         40.1         43.7         47.3         47.3         41.9         40.1         43.7         47.3         47.3         47.9         40.1         43.7         47.3         41.9         43.0         44.6         43.7         47.3         49.1         50.9         48.2         43.7         47.3	01/31/92	48.2	51.8	44.6	39.2	42.8	35.6	41.9	42.8	41.0	42.8	45.5	40.1
02/03/92         48.2         51.8         45.5         38.3         41.9         35.6         41.5         42.8         41.0         42.8         44.6         40.1           02/04/92         46.4         50.0         42.8         36.5         41.0         32.9         41.5         42.8         41.0         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         41.0         42.8         37.4           02/07/92         46.4         50.9         42.8         36.5         41.0         32.9         42.3         43.7         41.9         40.1         43.7         37.4           02/08/92         50.9         54.5         49.1         41.9         46.4         40.1         43.0         44.6         42.8         45.5         48.2         43.7           02/10/92         50.9         53.6         49.1         43.7         46.4         41.9         43.9         44.6         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         44.6         43.9	02/01/92	47.3	50.9	43.7	38.3	41.9	34.7	42.2	43.7	41.9	41.9	44.6	39.2
02/04/92         46.4         50.0         42.8         36.5         41.0         32.9         41.5         42.8         41.0         43.7         38.3           02/05/92         46.4         50.0         42.8         36.5         41.0         32.9         41.0         42.8         40.1         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.9         41.0         42.8         40.1         40.1         42.8         37.4           02/08/92         50.9         54.5         49.1         41.9         46.4         40.1         43.0         44.6         42.8         46.4         47.3         37.4           02/10/92         50.9         53.6         49.1         43.7         46.4         40.1         43.0         44.6         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         50.0         43.7         47.3         41.9         43.0         43.7         42.8         46.4         47.3         49.1         45.5           02/11/92         51.8         54.5         50.9         44.6         47.3         42.8         43.7	02/02/92	48.2	51.8	44.6	39.2	42.8	35.6	42.2	42.8	41.9	41.9	44.6	40.1
02/05/92         46.4         50.0         42.8         36.5         41.0         32.9         41.0         42.8         40.1         41.0         42.8         38.3           02/06/92         45.5         50.0         41.9         35.6         40.1         32.0         41.0         42.8         40.1         40.1         42.8         37.4           02/08/92         50.9         54.5         49.1         41.9         46.4         40.1         43.7         41.9         46.4         40.1         43.0         44.6         42.8         45.5         48.2         43.7           02/09/92         50.9         53.6         49.1         43.7         46.4         41.9         43.0         43.7         42.8         46.4         47.3         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         44.6         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         43.7         43.0         43.7         49.1         50.9         44.6         47.3         42.8         43.7         47.3         49.1         45.5         50.9         44.6	02/03/92	48.2	51.8	45.5	38.3	41.9	35.6	41.5	42.8	41.0	42.8	44.6	40.1
02/06/92         45.5         50.0         41.9         35.6         40.1         32.0         41.0         42.8         40.1         42.8         37.4           02/07/92         46.4         50.9         42.8         36.5         41.0         32.9         42.3         43.7         41.9         40.1         43.7         37.4           02/08/92         50.9         54.5         49.1         41.9         46.4         40.1         43.0         44.6         42.8         45.5         48.2         43.7           02/10/92         51.8         55.4         50.0         43.7         46.4         41.9         43.0         43.7         47.3         45.5         50.2         43.7         46.4         41.9         43.0         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         44.6         43.9         44.6         43.7         49.1         50.9         48.2           02/12/92         52.7         55.4         51.8         45.5         48.2         43.7         43.0         43.7         47.3         49.1         45.5           02/13/92         52.7         55.4	02/04/92	46.4	50.0	42.8	36.5	41.0	32.9	41.5	42.8	41.0	41.0	43.7	38.3
02/07/92       46.4       50.9       42.8       36.5       41.0       32.9       42.3       43.7       41.9       40.1       43.7       37.4         02/08/92       50.9       54.5       49.1       41.9       46.4       40.1       43.0       44.6       42.8       45.5       48.2       43.7         02/10/92       50.9       53.6       49.1       43.7       46.4       41.9       43.0       43.7       42.8       46.4       47.3       45.5         02/11/92       53.6       55.4       50.0       43.7       47.3       41.9       43.9       44.6       43.7       47.3       49.1       50.9       48.2         02/11/92       52.7       55.4       51.8       45.5       48.2       43.7       43.0       43.7       49.1       50.9       48.2         02/12/92       52.7       55.4       51.8       45.5       48.2       43.7       43.0       43.7       42.8       48.2       50.9       47.3         02/15/92       52.7       55.4       51.8       44.6       47.3       42.8       43.9       44.6       43.7       47.3       49.1       45.5         02/16/92       51.8	02/05/92	46.4	50.0	42.8	36.5	41.0	32.9	41.0	42.8	40.1	41.0	42.8	38.3
02/08/92         50.9         54.5         49.1         41.9         46.4         40.1         43.0         44.6         42.8         45.5         48.2         43.7           02/09/92         50.9         53.6         49.1         43.7         46.4         41.9         43.0         43.7         42.8         46.4         47.3         45.5           02/11/92         51.8         55.4         50.0         43.7         47.3         41.9         43.9         44.6         43.7         49.1         50.9         48.2           02/12/92         52.7         55.4         51.8         45.5         48.2         43.7         43.0         43.7         49.1         50.9         47.3           02/13/92         51.8         54.5         50.9         44.6         47.3         42.8         43.7         47.3         49.1         45.5           02/14/92         52.7         55.4         51.8         44.6         47.3         42.8         43.7         47.3         49.1         45.5           02/15/92         52.7         55.4         50.9         44.6         47.3         42.8         43.0         43.7         42.8         48.2         50.0         47.3	02/06/92	45.5	50.0	41.9	35.6	40.1	32.0	41.0	42.8	40.1	40.1	42.8	37.4
02/09/92         50.9         53.6         49.1         43.7         46.4         41.9         43.0         43.7         42.8         46.4         47.3         45.5           02/10/92         51.8         55.4         50.0         43.7         47.3         41.9         43.9         44.6         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         44.6         43.9         44.6         43.7         49.1         50.9         48.2           02/13/92         51.8         54.5         50.9         44.6         47.3         42.8         43.7         42.8         48.2         50.9         47.3           02/14/92         52.7         55.4         51.8         44.6         47.3         42.8         43.0         43.7         42.8         48.2         50.0         47.3           02/15/92         52.7         55.4         50.9         44.6         47.3         42.8         43.0         43.7         42.8         48.2         50.0         47.3           02/16/92         51.8         54.5         50.0         43.7         46.4         41.9         43.0         43.7	02/07/92	46.4	50.9	42.8	36.5	41.0	32.9	42.3	43.7	41.9	40.1	43.7	37.4
02/10/92         51.8         55.4         50.0         43.7         47.3         41.9         43.9         44.6         43.7         47.3         49.1         45.5           02/11/92         53.6         56.3         52.7         45.5         48.2         44.6         43.9         44.6         43.7         49.1         50.9         48.2           02/12/92         52.7         55.4         51.8         45.5         48.2         43.7         43.0         43.7         42.8         48.2         50.9         47.3           02/13/92         51.8         54.5         50.9         44.6         47.3         42.8         43.9         44.6         43.7         47.3         49.1         45.5           02/14/92         52.7         55.4         51.8         44.6         47.3         42.8         43.0         43.7         42.8         48.2         50.0         47.3           02/15/92         52.7         55.4         50.9         44.6         47.3         42.8         43.0         43.7         42.8         48.2         50.0         47.3           02/15/92         51.8         54.5         50.9         44.6         47.3         42.8         43.7	02/08/92	50.9	54.5	49.1	41.9	46.4	40.1	43.0	44.6	42.8	45.5	48.2	43.7
02/11/92       53.6       56.3       52.7       45.5       48.2       44.6       43.9       44.6       43.7       49.1       50.9       48.2         02/12/92       52.7       55.4       51.8       45.5       48.2       43.7       43.0       43.7       42.8       48.2       50.9       47.3         02/13/92       51.8       54.5       50.9       44.6       47.3       42.8       43.7       42.8       48.2       50.0       47.3         02/14/92       52.7       55.4       51.8       44.6       47.3       42.8       43.7       42.8       48.2       50.0       47.3         02/15/92       52.7       55.4       50.9       44.6       47.3       42.8       43.0       43.7       42.8       48.2       50.0       47.3         02/16/92       51.8       54.5       50.0       43.7       46.4       41.9       43.0       43.7       42.8       46.4       48.2       45.5         02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/19/92       49.1       50.0       48.2	02/09/92	50.9	53.6	49.1	43.7	46.4	41.9	43.0	43.7	42.8	46.4	47.3	45.5
02/12/92       52.7       55.4       51.8       45.5       48.2       43.7       43.0       43.7       42.8       48.2       50.9       47.3         02/13/92       51.8       54.5       50.9       44.6       47.3       42.8       43.9       44.6       43.7       47.3       49.1       45.5         02/14/92       52.7       55.4       51.8       44.6       47.3       43.7       43.0       43.7       42.8       48.2       50.0       47.3         02/15/92       52.7       55.4       50.9       44.6       47.3       42.8       43.0       43.7       42.8       46.4       49.1       47.3         02/16/92       51.8       54.5       50.0       43.7       46.4       41.9       43.0       43.7       42.8       46.4       48.2       45.5         02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       43.7       46.4       44.6         02/20/92       51.8	02/10/92	51.8	55.4	50.0	43.7	47.3	41.9	43.9	44.6	43.7	47.3		
02/13/92         51.8         54.5         50.9         44.6         47.3         42.8         43.9         44.6         43.7         47.3         49.1         45.5           02/14/92         52.7         55.4         51.8         44.6         47.3         43.7         43.0         43.7         42.8         48.2         50.0         47.3           02/15/92         52.7         55.4         50.9         44.6         47.3         42.8         43.0         43.7         42.8         47.3         49.1         47.3           02/16/92         51.8         54.5         50.0         43.7         46.4         41.9         43.0         43.7         42.8         46.4         48.2         45.5           02/17/92         50.0         53.6         48.2         41.9         45.5         39.2         42.3         42.8         41.9         46.4         48.2         45.5           02/18/92         48.2         52.7         45.5         41.0         44.6         37.4         42.3         42.8         41.9         43.7         46.4         41.9           02/20/92         51.8         55.4         48.2         44.6         47.3         42.8         43.7		53.6	56.3	52.7	45.5	48.2	44.6	43.9	44.6	43.7	49.1		
02/14/92       52.7       55.4       51.8       44.6       47.3       43.7       43.0       43.7       42.8       48.2       50.0       47.3         02/15/92       52.7       55.4       50.9       44.6       47.3       42.8       43.0       43.7       42.8       47.3       49.1       47.3         02/16/92       51.8       54.5       50.0       43.7       46.4       41.9       43.0       43.7       42.8       46.4       48.2       45.5         02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       46.4       48.2       45.5         02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/21/92       51.8       55.4       48.2       44.6       47.3       42.8       43.3       43.7       42.8       46.4       49.1       45.5         02/21/92       51.8	02/12/92	52.7	55.4	51.8	45.5	48.2	43.7	43.0	43.7	42.8	48.2	50.9	47.3
02/15/92       52.7       55.4       50.9       44.6       47.3       42.8       43.0       43.7       42.8       47.3       49.1       47.3         02/16/92       51.8       54.5       50.0       43.7       46.4       41.9       43.0       43.7       42.8       46.4       48.2       45.5         02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       43.7       46.4       41.9         02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.7       41.9       45.5       46.4       44.6         02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3	02/13/92	51.8	54.5	50.9	44.6	47.3	42.8	43.9	44.6	43.7	47.3		
02/16/92       51.8       54.5       50.0       43.7       46.4       41.9       43.0       43.7       42.8       46.4       48.2       45.5         02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       46.4       41.9         02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.7       41.9       45.5       46.4       49.1       45.5         02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5	02/14/92	52.7	55.4	51.8	44.6	47.3	43.7	43.0	43.7	42.8	48.2	50.0	
02/17/92       50.0       53.6       48.2       41.9       45.5       39.2       42.3       42.8       41.9       46.4       48.2       45.5         02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       43.7       46.4       41.9         02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.7       41.9       45.5       46.4       44.6         02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         02/24/92       50.9       54.5	02/15/92	52.7	55.4	50.9	44.6	47.3	42.8	43.0	43.7	42.8			
02/18/92       48.2       52.7       45.5       41.0       44.6       37.4       42.3       42.8       41.9       43.7       46.4       41.9         02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.3       43.7       42.8       46.4       49.1       45.5         02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         02/24/92       50.9       54.5       48.2       42.8       47.3       40.1       00.0       00.0       00.0       46.4       49.1       43.7         02/25/92       52.7	02/16/92	51.8	54.5	50.0	43.7	46.4	41.9	43.0	43.7	42.8	46.4	48.2	
02/19/92       49.1       50.0       48.2       41.9       44.6       41.9       42.8       43.7       41.9       45.5       46.4       44.6         02/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.3       43.7       42.8       46.4       49.1       45.5         02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         02/24/92       50.9       54.5       48.2       42.8       47.3       40.1       00.0       00.0       00.0       46.4       49.1       43.7         02/25/92       52.7       57.2       50.0       44.6       50.0       42.8       00.0       00.0       00.0       48.2       50.9       47.3         02/27/92	02/17/92	50.0	53.6	48.2	41.9	45.5	39.2	42.3	42.8	41.9	46.4		
Q2/20/92       51.8       55.4       48.2       44.6       47.3       42.8       43.3       43.7       42.8       46.4       49.1       45.5         Q2/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         Q2/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         Q2/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         Q2/24/92       50.9       54.5       48.2       42.8       47.3       40.1       00.0       00.0       00.0       46.4       49.1       43.7         Q2/25/92       52.7       57.2       50.0       44.6       50.0       42.8       00.0       00.0       00.0       46.4       49.1       43.7         Q2/26/92       52.7       57.2       48.2       44.6       50.0       42.8       00.0       00.0       00.0       47.3       50.0       43.7         Q2/27/92       53.6	02/18/92	48.2	52.7	45.5	41.0	44.6	37.4	42.3	42.8	41.9			
02/21/92       51.8       53.6       51.8       45.5       46.4       45.5       43.6       44.6       42.8       48.2       49.1       48.2         02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         02/24/92       50.9       54.5       48.2       42.8       47.3       40.1       00.0       00.0       00.0       46.4       49.1       43.7         02/25/92       52.7       57.2       50.0       44.6       50.0       42.8       00.0       00.0       00.0       48.2       50.9       47.3         02/26/92       52.7       57.2       48.2       44.6       50.0       39.2       00.0       00.0       00.0       47.3       50.0       43.7         02/27/92       53.6       59.0       50.0       45.5       50.9       40.1       00.0       00.0       00.0       49.1       51.8       45.5         02/28/92       54.5	02/19/92	49.1	50.0	48.2	41.9	44.6	41.9	42.8	43.7				
02/22/92       52.7       56.3       50.9       45.5       49.1       43.7       00.0       00.0       00.0       48.2       50.9       47.3         02/23/92       50.9       54.5       48.2       42.8       46.4       39.2       00.0       00.0       00.0       46.4       49.1       44.6         02/24/92       50.9       54.5       48.2       42.8       47.3       40.1       00.0       00.0       00.0       46.4       49.1       43.7         02/25/92       52.7       57.2       50.0       44.6       50.0       42.8       00.0       00.0       00.0       48.2       50.9       47.3         02/26/92       52.7       57.2       48.2       44.6       50.0       39.2       00.0       00.0       00.0       47.3       50.0       43.7         02/27/92       53.6       59.0       50.0       45.5       50.9       40.1       00.0       00.0       00.0       49.1       51.8       45.5         02/28/92       54.5       59.9       50.0       46.4       52.7       41.0       00.0       00.0       00.0       49.1       52.7       45.5         02/29/92       54.5	02/20/92	51.8	55.4	48.2	44.6	47.3	42.8	43.3	43.7				
02/23/92     50.9     54.5     48.2     42.8     46.4     39.2     00.0     00.0     00.0     46.4     49.1     44.6       02/24/92     50.9     54.5     48.2     42.8     47.3     40.1     00.0     00.0     00.0     46.4     49.1     43.7       02/25/92     52.7     57.2     50.0     44.6     50.0     42.8     00.0     00.0     00.0     48.2     50.9     47.3       02/26/92     52.7     57.2     48.2     44.6     50.0     39.2     00.0     00.0     00.0     47.3     50.0     43.7       02/27/92     53.6     59.0     50.0     45.5     50.9     40.1     00.0     00.0     00.0     49.1     51.8     45.5       02/28/92     54.5     59.9     50.0     46.4     52.7     41.0     00.0     00.0     00.0     49.1     52.7     45.5       02/29/92     54.5     59.0     50.9     46.4     51.8     41.9     00.0     00.0     00.0     50.0     52.7     46.4	02/21/92	51.8	53.6	51.8	45.5	46.4	45.5	43.6					
02/24/92     50.9     54.5     48.2     42.8     47.3     40.1     00.0     00.0     00.0     46.4     49.1     43.7       02/25/92     52.7     57.2     50.0     44.6     50.0     42.8     00.0     00.0     00.0     48.2     50.9     47.3       02/26/92     52.7     57.2     48.2     44.6     50.0     39.2     00.0     00.0     00.0     47.3     50.0     43.7       02/27/92     53.6     59.0     50.0     45.5     50.9     40.1     00.0     00.0     00.0     49.1     51.8     45.5       02/28/92     54.5     59.9     50.0     46.4     52.7     41.0     00.0     00.0     00.0     49.1     52.7     45.5       02/29/92     54.5     59.0     50.9     46.4     51.8     41.9     00.0     00.0     00.0     50.0     52.7     46.4	02/22/92	52.7	56.3	50.9	45.5	49.1	43.7	00.0	00.0	00.0			
02/25/92     52.7     57.2     50.0     44.6     50.0     42.8     00.0     00.0     00.0     48.2     50.9     47.3       02/26/92     52.7     57.2     48.2     44.6     50.0     39.2     00.0     00.0     00.0     47.3     50.0     43.7       02/27/92     53.6     59.0     50.0     45.5     50.9     40.1     00.0     00.0     00.0     49.1     51.8     45.5       02/28/92     54.5     59.9     50.0     46.4     52.7     41.0     00.0     00.0     00.0     49.1     52.7     45.5       02/29/92     54.5     59.0     50.9     46.4     51.8     41.9     00.0     00.0     00.0     50.0     52.7     46.4	02/23/92	50.9	54.5	48.2									
02/26/92     52.7     57.2     48.2     44.6     50.0     39.2     00.0     00.0     00.0     47.3     50.0     43.7       02/27/92     53.6     59.0     50.0     45.5     50.9     40.1     00.0     00.0     00.0     49.1     51.8     45.5       02/28/92     54.5     59.9     50.0     46.4     52.7     41.0     00.0     00.0     00.0     49.1     52.7     45.5       02/29/92     54.5     59.0     50.9     46.4     51.8     41.9     00.0     00.0     00.0     50.0     52.7     46.4	02/24/92	50.9	54.5	48.2	42.8								
02/27/92 53.6 59.0 50.0 45.5 50.9 40.1 00.0 00.0 00.0 49.1 51.8 45.5 02/28/92 54.5 59.9 50.0 46.4 52.7 41.0 00.0 00.0 00.0 49.1 52.7 45.5 02/29/92 54.5 59.0 50.9 46.4 51.8 41.9 00.0 00.0 00.0 50.0 52.7 46.4	02/25/92	52.7	57.2	50.0	44.6	50.0	42.8						
02/28/92 54.5 59.9 50.0 46.4 52.7 41.0 00.0 00.0 00.0 49.1 52.7 45.5 02/29/92 54.5 59.0 50.9 46.4 51.8 41.9 00.0 00.0 00.0 50.0 52.7 46.4	02/26/92	52.7	57.2	48.2	44.6		39.2						
02/29/92 54.5 59.0 50.9 46.4 51.8 41.9 00.0 00.0 50.0 52.7 46.4		53.6	59.0										
			59.9										
03/01/92 54.5 59.0 50.9 46.4 51.8 42.8 00.0 00.0 50.0 52.7 47.3													
	03/01/92	54.5	59.0	50.9	46.4	51.8	42.8	00.0	00.0	00.0	50.0	52.7	47.3

		Firehole		•	Gibbon		Madis	on 287 B	ridge.	Madi	son in Y	NP
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max _	Min	Mean	Max	Min
	1710411	1710475		IVACUAL.	IVIUA		114444	171041		1720011		
03/02/92	55.4	59.0	52.7	47.3	50.9	44.6	00.0	00.0	00.0	50.9	53.6	49.1
03/03/92	56.3	61.7	51.8	47.3	53.6	42.8	00.0	00.0	00.0	50.9	54.5	47.3
03/04/92	57.2	61.7	53.6	49.1	54.5	46.4	00.0	00.0	00.0	52.7	55.4	50.0
03/05/92	57.2	60.8	54.5	49.1	52.7	47.3	00.0	00.0	00.0	53.6	55.4	50.9
03/06/92	57.2	60.8	55.4	50.0	54.5	47.3	00.0	00.0	00.0	53.6	55.4	52.7
03/07/92	55.4	59.0	54.5	49.1	52.7	47.3	00.0	00.0	00.0	51.8	54.5	50.9
03/08/92	54.5	58.1	51.8	48.2	53.6	44.6	00.0	00.0	00.0	51.8	54.5	50.0
03/09/92	52.7	58.1	50.0	46.4	51.8	42.8	00.0	00.0	00.0	49.1	52.7	46.4
03/10/92	52.7	59.0	48.2	45.5	51.8	41.0	00.0	00.0	00.0	49.1	51.8	45.5
03/11/92	54.5	60.8	50.0	46.4	53.6	41.9	00.0	00.0	00.0	50.0	53.6	47.3
03/12/92	55.4	61.7	50.0	48.2	54.5	42.8	00.0	00.0	00.0	50.9	54.5	47.3
03/13/92	56.3	61.7	50.9	48.2	55.4	42.8	00.0	00.0	00.0	51.8	55.4	48.2
03/14/92	56.3	62.6	51.8	48.2	54.5	43.7	00.0	00.0	00.0	51.8	55.4	48.2
03/15/92	56.3	61.7	52.7	49.1	55.4	44.6	00.0	00.0	00.0	52.7	56.3	49.1
03/16/92	56.3	59.9	53.6	49.1	52.7	46.4	00.0	00.0	00.0	52.7	54.5	50.9
03/17/92	56.3	57.2	54.5	48.2	50.9	46.4	00.0	00.0	00.0	52.7	53.6	50.9
03/18/92	54.5	58.1	52.7	47.3	53.6	44.6	00.0	00.0	00.0	50.9	52.7	49.1 47.3
03/19/92	53.6	57.2	50.9	46.4	50.9	41.9	00.0	00.0	00.0	49.1	51.8	
03/20/92	53.6	58.1	49.1	46.4	51.8	43.7	00.0	00.0	00.0	50.0	51.8	48.2 47.3
03/21/92	53.6	59.0	50.0	46.4	53.6	41.9	00.0	00.0	00.0	50.0	53.6 52.7	44.6
03/22/92	53.6	59.9	47.3	46.4	53.6	40.1	00.0	00.0	00.0	49.1 49.1	52.7	46.4
03/23/92	53.6	58.1	50.0	45.5	50.9	41.9	00.0	00.0	00.0 00.0	50.9	54.5	47.3
03/24/92	55.4	61.7	50.9	47.3 49.1	55.4 57.2	41.9 43.7	00.0 00.0	00.0 00.0	00.0	50.9	56.3	50.0
03/25/92 03/26/92	57.2 57.2	62.6 63.5	51.8 50.9	49.1	56.3	43.7	00.0	00.0	00.0	52.7	56.3	48.2
03/26/92	57.2	59.9	55.4	50.0	54.5	48.2	00.0	00.0	00.0	53.6	56.3	52.7
03/27/92	57.2	62.6	54.5	50.9	58.1	46.4	00.0	00.0	00.0	53.6	57.2	51.8
03/28/32	58.1	64.4	52.7	50.9	58.1	45.5	00.0	00.0	00.0	53.6	57.2	50.0
03/30/92	59.0	64.4	55.4	52.7	60.8	48.2	00.0	00.0	00.0	55.4	58.1	52.7
03/31/92	58.1	62.6	53.6	51.8	59.0	47.3	00.0	00.0	00.0	55.4	58.1	51.8
04/01/92	58.1	65.3	51.8	50.9	58.1	45.5	00.0	00.0	00.0	53.6	58.1	50.0
04/02/92	59.9	66.2	53.6	52.7	59.9	46.4	00.0	00.0	00.0	55.4	59.0	52.7
04/03/92	59.9	66.2	54.5	52.7	60.8	47.3	00.0	00.0	00.0	56.3	59.9	53.6
04/04/92	58.1	62.6	54.5	50.9	57.2	47.3	00.0	00.0	00.0	56.3	59.0	54.5
04/05/92	54.5	58.1	50.0	47.3	50.9	43.7	00.0	00.0	00.0	51.8	56.3	50.0
04/06/92	50.9	55.4	47.3	43.7	48.2	40.1	00.0	00.0	00.0	48.2	50.0	45.5
04/07/92	51.8	56.3	48.2	44.6	49.1	40.1	00.0	00.0	00.0	48.2	50.9	45.5
04/08/92	55.4	59.0	52.7	47.3	51.8	44.6	00.0	00.0	00.0	50.9	53.6	49.1
04/09/92	55.4	58.1	53.6	47.3	49.1	47.3	00.0	00.0	00.0	52.7	53.6	51.8
04/10/92	52.7	56.3	50.9	47.3	50.0	45.5	00.0	00.0	00.0	50.9	51.8	50.0
04/11/92	54.5	59.9	50.0	48.2	51.8	45.5	00.0	00.0	00.0	50.9	53.6	49.1
04/12/92	59.9	66.2	55.4	51.8	59.0	48.2	00.0	00.0	00.0	54.5	58.1	52.7
04/13/92	60.8	65.3	54.5	51.8	59.0	47.3	00.0	00.0	00.0	56.3	59.9	53.6
04/14/92	59.0	63.5	53.6	50.0	56.3	45.5	00.0	00.0	00.0	56.3	59.0	53.6
04/15/92	59.0	63.5	55.4	50.0	54.5	46.4	00.0	00.0	00.0	55.4	57.2	53.6 53.6
04/16/92	59.9	65.3	55.4	50.9	57.2	46.4	00.0	00.0	00.0	55.4	58.1 50.1	50.0
04/17/92	54.5	61.7	49.1	46.4	50.9	42.8	00.0	00.0	00.0	53.6 48.2	58.1 51.8	46.4
04/18/92	51.8	58.1	48.2	43.7	49.1	41.9	00.0	00.0	00.0 00.0	48.2 49.1	50.9	48.2
04/19/92	52.7	54.5	50.9	44.6	47.3	42.8	00.0	00.0	50.0	4J.1	٠,٠,٠	

	<del></del>	Firehole			Gibbon		Madis	on 287 E	Rridge	Madi	son in Y	NP
Date			Min			N 6:			_			
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	<u>Mean</u>	Max	<u>Min</u>
04/20/92	58.1	66.2	51.8	50.0	58.1	43.7	00.0	00.0	00.0	51.8	58.1	48.2
04/21/92	59.9	64.4	56.3	50.9	54.5	48.2	00.0	00.0	00.0	55.4	58.1	53.6
04/22/92	58.1	61.7	55.4	48.2	50.9	44.6	00.0	00.0	00.0	54.5	57.2	52.7
0.4/23/92	53.6	58.1	50.0	44.6	50.0	41.9	00.0	00.0	00.0	50.0	52.7	49.1
04/24/92	56.3	63.5	50.0	47.3	55.4	40.1	00.0	00.0	00.0	50.9	56.3	47.3
04/25/92	59.9	66.2	54.5	50.9	58.1	45.5	00.0	00.0	00.0	54.5	59.0	51.8
04/26/92	62.6	68.9	56.3	54.5	61.7	48.2	00.0	00.0	00.0	58.1	61.7	54.5
04/27/92	62.6	67.1	58.1	54.5	59.9	50.9	00.0	00.0	00.0	59.9	61.7	58.1
04/28/92	59.9	64.4	53.6	51.8	56.3	48.2	00.0	00.0	00.0	57.2	60.8	55.4
04/29/92	59.9	65.3	53.6	52.7	58.1	48.2	00.0	00.0	00.0	57.2	59.9	54.5
04/30/92	55.4	62.6	50.9	50.0	55.4	48.2	00.0	00.0	00.0	55.4	59.9	53.6
05/01/92	55.4	61.7	50.0	50.0	54.5	46.4	00.0	00.0	00.0	52.7	56.3	50.9
05/02/92	57.2	63.5	49.1	50.9	56.3	46.4	00.0	00.0	00.0	54.5	58.1	50.9
05/03/92	59.0	66.2	51.8	53.6	59.0	49.1	00.0	00.0	00.0	56.3	60.8	53.6
05/04/92	60.8	67.1	53.6	54.5	59.9	50.0	00.0	00.0	00.0	58.1	61.7	55.4
05/05/92	61.7	68.0	55.4	56.3	62.6	50.9	00.0	00.0	00.0	59.0	62.6	56.3
05/06/92	62.6	68.0	57.2	57.2	62.6	52.7	00.0	00.0	00.0	60.8	63.5	58.1
05/07/92	63.5	68.0	58.1	58.1	63.5	53.6	00.0	00.0	00.0	61.7	64.4	59.0
05/08/92	61.7	65.3	59.9	57.2	60.8	55.4	00.0	00.0	00.0	60.8	63.5	59.9
05/09/92	56.3	61.7	54.5	50.9	56.3	48.2	00.0	00.0	00.0	56.3	59.9	53.6
05/10/92	56.3	60.8	52.7	50.0	54.5	46.4	00.0	00.0	00.0	53.6	57.2	50.9
05/11/92	56.3	59.0	54.5	49.1	50.9	47.3	00.0	00.0	00.0	53.6	55.4	53.6
05/12/92	57.9	63.1	55.0	00.0	00.0	00.0	00.0	00.0	00.0	54.8	57.0	54.0
05/13/92	58.7	64.2	56.1	00.0	00.0	00.0	00.0	00.0	00.0	57.6	58.9	54.5
05/14/92	61.7	67.1	57.2	54.5	59.9	50.0	00.0	00.0	00.0	58.1	61.7	55.4
05/15/92	61.7	64.4	59.9	55.4	57.2	53.6	00.0	00.0	00.0	59.0	60.8	58.1
05/16/92	61.7	68.0	57.2	55.4	61.7	50.0	00.0	00.0	00.0	59.0	62.6	56.3
05/17/92	63.5	68.9	57.2	58.1	66.2	51.8	00.0	00.0	00.0	59.9	64.4	56.3
05/18/92	65.3	69.8	61.7	60.8	67.1	55.4	00.0	00.0	00.0	62.6	66.2	60.8
05/19/92	64.4	68.9	59.9	59.9	67.1	54.5	00.0	00.0	00.0	62.6	66.2	59.9
05/20/92	65.3	68. <del>9</del>	62.6	60.8	66.2	58.1	00.0	00.0	00.0	63.5	66.2	61.7
05/21/92	63.5	66.2	62.6	58.1	60.8	57.2	00.0	00.0	00.0	61.7	64.4	60.8
05/22/92	64.4	70.7	59.0	59.0	66.2	53.6	00.0	00.0	00.0	61.7	66.2	58.1
05/23/92	67.1	72.5	62.6	60.8	66.2	55.4	00.0	00.0	00.0	63.5	67.1	60.8
05/24/92	68.9	74.3	64.4	62.6	70.7	57.2	00.0	00.0	00.0	65.3	68.9	62.6
05/25/92	68.0	75.2	62.6	61.7	70.7	56.3	00.0	00.0	00.0	65.3	69.8	61.7
05/26/92	67.1	71.6	63.5	59.9	64.4	56.3	00.0	00.0	00.0	64.4	68.9	61.7
05/27/92	64.4	66.2	62.6	57.2	59.9	55.4	00.0	00.0	00.0	61.7	64.4	61.7
05/28/92	65.3	71.6	59.9	58.1	66.2	51.8	00.0	00.0	00.0	61.7	66.2	57.2
05/29/92	64.4	67.1	61.7	58.1	60.8	55.4	00.0	00.0	00.0	61.7	65.3	60.8
05/30/92	66.2	72.5	62.6	59.0	65.3	54.5	00.0	00.0	00.0	62.6	66.2	59.9
05/31/92	64.4	69.8	60.8	58.1	64.4	53.6	00.0	00.0	00.0	61.7	65.3	59.9
06/01/92	67.1	75.2	59. <b>9</b>	59.9	69.8	52.7	00.0	00.0	00.0	62.6	68.0	58.1
06/02/92	67.1	70.7	63.5	60.8	65.3	57.2	00.0	00.0	00.0	64.4	68.0	62.6
06/03/92	66.2	71.6	62.6	59.9	65.3	54.5	00.0	00.0	00.0	62.6	65.3	60.8
06/04/92	66.2	73.4	61.7	59.9	67.1	54.5	00.0	00.0	00.0	63.5	66.2	60.8
06/05/92	65.3	68.9	61.7	59.0	63.5	55.4	00.0	00.0	00.0	62.6	65.3	60.8
06/06/92	65.3	70.7	60.8	58.1	63.5	54.5	00.0	00.0	00.0	61.7	65.3	59.0
06/07/92	67.1	71.6	63.5	59.9	66.2	55.4	00.0	00.0	00.0	63.5	67.1	61.7

		Firehole			Gibbon		Madis	on 287 E	Bridge	Madi	son in Y	NP
Date	Mean	Max	Min	Mean	Max	Min	<u>Mean</u>	Max	Min	<u>Mean</u>	Max	Min
06/08/92	66.2	68.9	64.4	60.8	63.5	57.2	00.0	00.0	00.0	63.5	66.2	61.7
06/09/92	68.0	74.3	61.7	61.7	69.8	54.5	00.0	00.0	00.0	63.5	68.9	59.9
06/10/92	68.9	75.2	65.3	62.6	68.9	58.1	00.0	00.0	00.0	66.2	68.9	63.5
06/11/92	68.0	70.7	65.3	62.6	66.2	59.0	00.0	00.0	00.0	65.3	67.1	63.5
06/12/92	69.8	77.9	63.5	62.6	69.8	57.2	00.0	00.0	00.0	65.3	69.8	62.6
06/13/92	66.2	71.6	63.5	59.9	64.4	56.3	00.0	00.0	00.0	63.5	68.9	61.7
06/14/92	65.3	68.0	62.6	59.0	63.5	55.4	00.0	00.0	00.0	61.7	64.4	60.8
06/15/92	61.7	65.3	59.0	54.5	58.1	52.7	00.0	00.0	00.0	59.9	63.5	58.1
06/16/92	57.2	59.9	56.3	49.1	52.7	48.2	00.0	00.0	00.0	54.5	58.1	53.6
06/17/92	59.9	65.3	56.3	50.9	56.3	48.2	00.0	00.0	00.0	54.5	58.1	53.6
06/18/92	67.1	73.4	62.6	59.0	67.1	54.5	00.0	00.0	00.0	60.8	66.2	58.1
06/19/92	68.9	73.4	64.4	61.7	67.1	57.2	00.0	00.0	00.0	64.4	67.1	62.6
06/20/92	68.9	76.1	63.5	62.6	68.9	57.2	00.0	00.0	00.0	65.3	68.9	61.7
06/21/92	71.6	78.8	65.3	64.4	72.5	58.1	00.0	00.0	00.0	67.1	71.6	63.5
06/22/92	71.6	76.1	67.1	65.3	72.5	59.9	00.0	00.0	00.0	68.0	71.6	65.3
06/23/92	73.4	80.6	68.0	67.1	75.2	61.7	00.0	00.0	00.0	68.9	73.4	66.2
06/24/92	72.5	77.0	68.9	65.3	70.7	61.7	00.0	00.0	00.0	69.8	73.4	67.1
06/25/92	68.9	71.6	67.1	61.7	63.5	59.9	00.0	00.0	00.0	66.2	68.9	65.3
06/26/92	66.2	69.8	55.4	60.8	64.4	57.2	00.0	00.0	00.0	63.5	65.3	62.6
06/27/92	68.0	75.2	63.5	63.5	70.7	59.0	00.0	00.0	00.0	65.3	68.9	62.6
06/28/92	71.6	78.8	66.2	66.2	75.2	59.9	00.0	00.0	00.0	68.0	72.5	64.4
06/29/92	71.6	76.1	68.9	65.3	68.9	62.6	00.0	00.0	00.0	68.9	71.6	67.1
06/30/92	66.2	69.8	64.4	59.9	63.5	58.1	00.0	00.0	00.0	64.4	68.9	63.5
07/01/92	63.5	67.1	61.7	57.2	61.7	55.4	00.0	00.0	00.0	61.7	63.5	59.9
07/02/92	65.3	69.8	62.6	58.1	62.6	56.3	00.0	00.0	00.0	61.7	64.4	60.8
07/03/92	65.3	69.8	61.7	59.9	65.3	56.3	00.0	00.0	00.0	62.6	65.3	60.8
07/04/92	68.9	74.3	64.4	61.7	68.0	57.2	00.0	00.0	00.0	64.4	68.0	61.7
07/05/92	69.8	76.1	64.4	63.5	71.6	57.2	00.0	00.0	00.0	66.2	70.7	63.5
07/06/92	69.8	75.2	66.2	64.4	70.7	59.9	00.0	00.0	00.0	67.1	69.8	64.4
07/07/92	68.0	72.5	64.4	62.6	67.1	59.0	00.0	00.0	00.0	65.3	68.9	63.5
07/08/92	67.1	71.6	63.5	60.8	67.1	56.3	00.0	00.0	00.0	64.4	67.1	62.6
07/09/92	67.1	70.7	63.5	60.8	66.2	56.3	00.0	00.0	00.0	64.4	67.1	61.7
07/10/92	68.9	72.5	66.2	62.6	68.0	59.0	00.0	00.0	00.0	65.3	68.0	63.5
07/11/92	67.1	69.8	66.2	60.8	63.5	59.0	60.8	63.5	59.0	64.4	67.1	63.5
07/12/92	64.4	67.1	62.6	58.1	60.8	57.2	59.0	63.5	57.2	61.7	63.5	61.7
07/13/92	66.2	71.6	61.7	58.1	64.4	53.6	60.8	68.9	56.3	62.6	66.2	59.9
07/14/92	68.9	75.2	64.4	62.6	69.8	56.3	63.5	70.7	58.1	65.3	68.9	62.6
07/15/92	69.8	76.1	64.4	63.5	70.7	57.2	64.4	71.6	59.0	66.2	69.8	63.5
07/16/92	70.7	77.9	64.4	64.4	73.4	58.1	65.3	74.3	58.1	67.1	70.7	63.5
07/17/92	71.6	77.9	65.3	65.3	74.3	58.1	66.2	75.2	59.9	68.0	71.6	64.4
07/18/92	71.6	77.0	66.2	64.4	71.6	59.0	66.2	73.4	60.8	68.0	70.7	64.4
07/19/92	70.7	74.3	68.9	65.3	68.0	62.6	66.2	72.5	61.7	68.0	70.7	67.1
07/20/92	70.7	77.9	65.3	65.3	75.2	59.9	66.2	74.3	60.8	68.0	71.6	64.4
07/21/92	67.1	70.7	64.4	62.6	67.1	59.9	64.4	68.0	61.7	66.2	70.7	64.4
07/22/92	70.7	77.9	64.4	64.4	73.4	57.2	65.3	74.3	59.0	66.2	71.6	62.6
07/23/92	70.7	75.2	68.0	64.4	70.7	61.7	67.1	73.4	62.6	68.9	71.6	67.1
07/24/92	69.8	76.1	64.4	63.5	71.6	58.1	65.3	72.5	59.0	67.1	70.7	64.4
07/25/92	68.9	73.4	64.4	63.5	69.8	58.1	64.4	71.6	59.0	67.1	69.8	64.4
07/26/92	69.8	76.1	64.4	64.4	73.4	58.1	64.4	72.5	58.1	67.1	71.6	63.5

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_		Firehole			Gibbon			on 287 B	-		son in Y	
Date	<u>Mean</u>	<u>Max</u>	Min	<u>Mean</u>	Max	Min	Mean	Max	Min	Mean	Max	Min
07/27/92	70.7	76.1	65.3	64.4	71.6	59.9	65.3	71.6	59.9	67.1	70.7	64.4
07/28/92	69.8	75.2	65.3	64.4	70.7	59.0	63.5	68.0	59.0	67.1	69.8	64.4
07/29/92	69.8	76.1	64.4	64.4	73.4	58.1	63.5	70.7	58.1	67.1	70.7	64.4
07/30/92	71.6	77.9	65.3	65.3	74.3	58.1	63.5	71.6	57.2	68.0	72.5	64.4
07/31/92	72.5	78.8	67.1	67.1	75.2	60.8	65.3	72.5	59.9	69.8	73.4	66.2
08/01/92	70.7	74.3	68.0	65.3	69.8	61.7	63.5	67.1	59.9	68.9	72.5	66.2
08/02/92	70.7	77.9	66.2	65.3	71.6	59.0	63.5	69.8	58.1	67.1	70.7	64.4
08/03/92	71.6	75.2	68.0	66.2	71.6	61.7	63.5	68.9	59.0	68.0	70.7	66.2
08/04/92	71.6	77.9	66.2	66.2	74.3	59.9	63.5	70.7	57.2	68.0	72.5	65.3
08/05/92	71.6	77.0	66.2	65.3	72.5	59.0	62.6	68.9	57.2	68.9	71.6	65.3
08/06/92	70.7	76.1	65.3	65.3	72.5	59.0	60.8	67.1	56.3	68.0	70.7	65.3
08/07/92	69.8	75.2	64.4	65.3	72.5	59.0	60.8	67.1	56.3	68.0	70.7	64.4
08/08/92	69.8	76.1	66.2	65.3	73.4	59.9	60.8	66.2	57.2	68.0	71.6	64.4
08/09/92	70.7	77.9	65.3	66.2	74.3	59.9	59.9	66.2	56.3	68.0	71.6	64.4
08/10/92	71.6	77.9	65.3	66.2	74.3	59.9	60.8	66.2	56.3	68.9	72.5	65.3
08/11/92	71.6	77.0	66.2	66.2	73.4	59.9	60.8	68.0	55.4	68.0	71.6	65.3
08/12/92	70.7	77.0	64.4	65.3	74.3	59.0	59.9	66.2	55.4	68.0	71.6	64.4
08/13/92	72.5	78.8	66.2	66.2	73.4	59.9	60.8	65.3	56.3	68.9	71.6	65.3
08/14/92	73.4	79.7	68.9	68.0	77.0	62.6	60.8	66.2	57.2	70.7	74.3	67.1
08/15/92	69.8	74.3	67.1	64.4	68.0	60.8	59.0	63.5	56.3	68.0	73.4	66.2
08/16/92	70.7	74.3	68.0	64.4	69.8	61.7	59.9	64.4	58.1	67.1	68.9	65.3
08/17/92	70.7	75.2	66.2	64.4	70.7	59.9	59.9	64.4	57.2	67.1	69.8	65.3
08/18/92	70.7	76.1	66.2	66.2	73.4	60.8	59.0	62.6	56.3	68.0	70.7	65.3
08/19/92	70.7	77.0	65.3	65.3	72.5	59.0	58.1	63.5	53.6	67.1	70.7	64.4
08/20/92	69.8	73.4	67.1	64.4	68.9	60.8	56.3	59.9	54.5	67.1	68.9	65.3
08/21/92	69.8	74.3	65.3	63.5	69.8	58.1	57.2	60.8	54.5	66.2	69.8	63.5
08/22/92	68.0	70.7	64.4	62.6	66.2	59.0	56.3	58.1	54.5	66.2	68.9	65.3
08/23/92	60.8	64.4	58.1	55.4	59.0	53.6	51.8	54.5	50.9	60.8	65.3	59.0
08/24/92	60.8	65.3	58.1	55.4	60.8	50.9	50.9	54.5	49.1	58.1	60.8 60.8	56.3 56.3
08/25/92	60.8	65.3	56.3	54.5	62.6	49.1	50.9	53.6	48.2	58.1	61.7	54.5
08/26/92	60.8	67.1	55.4	55.4	63.5	48.2	50.9	54.5	48.2	58.1 59.9	63.5	56.3
08/27/92	63.5	69.8	57.2	57.2	65.3	50.0	51.8	55.4	49.1 50.0	61.7	64.4	59.0
08/28/92	64.4	69.8	60.8	59.0	65.3	53.6	52.7	55.4 54.5	50.0	61.7	64.4	59.0
08/29/92	64.4	69.8	60.8	59.0	65.3 66.2	54.5 52.7	51.8 51.8	54.5	50.0	61.7	64.4	58.1
08/30/92 08/31/92	65.3 65.3	70.7 68.0	59.9 63.5	59.0 59.0	63.5	56.3	51.8	53.6	50.9	62.6	64.4	60.8
08/31/92	64.4	68.0	61.7	59.0	64.4	57.2	53.6	56.3	52.7	61.7	63.5	60.8
09/01/92	65.3	70.7	60.8	59.9	67.1	53.6	52.7	56.3	50.9	62.6	65.3	59.9
09/02/92	66.2	70.7	60.8	59.9	67.1	54.5	52.7	57.2	50.9	62.6	66.2	60.8
09/04/92	65.3	67.1	62.6	59.0	61.7	56.3	52.7	54.5	52.7	62.6	65.3	61.7
09/04/92	60.8	62.6	59.0	54.5	57.2	52.7	51.8	53.6	50.9	59.0	61.7	58.1
09/05/92	59.0	62.6 60.8	58.1	51.8	54.5	50.0	50.9	51.8	50.0	56.3	59.0	55.4
09/00/92	59.0	65.3	53.6	50.9	59.0	46.4	50.0	53.6	48.2	55.4	58.1	53.6
09/08/92	59.0	61.7	57.2	51.8	54.5	50.0	50.0	51.8	50.0	56.3	58.1	55.4
09/09/92	61.7	67.1	58.1	56.3	63.5	50.9	50.9	54.5	49.1	57.2	61.7	54.5
09/10/92	63.5	68.9	59.0	57.2	63.5	51.8	51.8	55.4	50.0	59.9	62.6	57.2
09/11/92	63.5	67.1	60.8	57.2	61.7	53.6	51.8	53.6	50.9	60.8	62.6	58.1
09/12/92	62.6	67.1	60.8	57.2	62.6	54.5	51.8	52.7	50.9	59.9	61.7	59.0
09/13/92	59.0	62.6	56.3	54.5	59.0	50.9	50.9	53.6	50.0	58.1	60.8	56.3

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		Firehole			Gibbon		Madis	on 287 E	ridge	Madi	son in Yl	NP
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
			<u> </u>	<del> </del>								
09/14/92	57.2	62.6	52.7	50.9	57.2	46.4	49.1	50.9	47.3	54.5	57.2	51.8
09/15/92	59.9	64.4	57.2	53.6	58.1	49.1	50.0	53.6	49.1	56.3	59.0	54.5
09/16/92	61.7	66.2	58.1	55.4	62.6	50.9	51.8	54.5	50.0	58.1	60.8	56.3
09/17/92	60.8	65.3	58.1	55.4	60.8	50.9	50.9	54.5	50.0	58.1	59.9	56.3
09/18/92	61.7	67.1	56.3	54.5	61.7	49.1	50.9	53.6	49.1	58.1	60.8	55.4
09/19/92	61.7	66.2	58.1	55.4	60.8	50.0	50.9	53.6	50.0	59.0	60.8	56.3
09/20/92	62.6	65.3	59.0	56.3	60.8	51.8	50.9	52.7	50.0	59.0	60.8	57.2
09/21/92	63.5	68.9	59.9	57.2	64.4	51.8	51.8	55.4	50.0	59.9	62.6	57.2
09/22/92	65.3	69.8	59.9	58.1	65.3	52.7	52.7	56.3	50.9	60.8	63.5	58.1
09/23/92	65.3	68.9	61.7	59.0	64.4	54.5	52.7	55.4	51.8	61.7	63.5	59.0
09/24/92	60.8	66.2	56.3	55.4	59.9	50.0	51.8	53.6	50.0	59.9	62.6	56.3
09/25/92	56.3	58.1	55.4	49.1	51.8	48.2	.49.1	50.9	49.1	54.5	57.2	53.6
09/26/92	58.1	62.6	54.5	50.9	56.3	47.3	50.0	52.7	49.1	53.6	56.3	52.7
09/27/92	59.9	64.4	55.4	52.7	59.0	48.2	50.9	53.6	49.1	55.4	58.1	53.6
09/28/92	59.9	65.3	55.4	52.7	59.0	48.2	50.9	53.6	49.1	55.4	58.1	53.6
09/29/92	61.7	67.1	56.3	54.5	61.7	49.1	50.9	54.5	50.0	57.2	59.9	54.5
09/30/92	62.6	68.0	57.2	55.4	62.6	50.0	51.8	54.5	50.0	58.1	60.8	55.4
10/01/92	62.6	68.9	58.1	56.3	63.5	50.0	51.8	56.3	50.0	58.1	61.7	56.3
10/02/92	62.6	67.1	59.0	56.3	62.6	51.8	52.7	55.4	50.9	59.0	61.7	57.2
10/03/92	61.7	65.3	58.1	54.5	58.1	50.9	51.8	53.6	50.9	58.1	60.8	56.3
10/04/92	59.0	62.6	58.1	51.8	54.5	50.0	50.9	51.8	50.9	56.3	59.0	55.4
10/05/92	60.8	65.3	58.İ	52.7	59.0	50.0	50.9	53.6	50.0	56.3	59.0	54.5
10/06/92	57.2	62.6	52.7	50.0	54.5	47.3	50.0	51.8	50.0	55.4	58.1	53.6
10/07/92	53.6	59.0	49.1	46.4	51.8	42.8	49.1	50.9	48.2	50.0	53.6	48.2
10/08/92	54.5	56.3	52.7	46.4	49.1	44.6	48.2	50.0	48.2	50.0	51.8	50.0
10/09/92	57.2	59.9	54.5	49.1	54.5	47.3	49.1	51.8	49.1	51.8	54.5	50.9
10/10/92	57.2	62.6	53.6	50.0	55.4	46.4	50.0	51.8	49.1	52.7	55.4	51.8
10/11/92	59.0	63.5	55.4	51.8	57.2	47.3	50.0	52.7	49.1	54.5	57.2	52.7
10/12/92	59.0	63.5	56.3	52.7	58.1	49.1	50.9	52.7	49.1	55.4	57.2	53.6
10/13/92	59.0	60.8	58.1	52.7	54.5	51.8	50.9	51.8	50.9	55.4	57.2	55.4
10/14/92	57.2	59.9	53.6	50.9	52.7	47.3	50.0	50.9	49.1	53.6	55.4	53.6
10/15/92	51.8	55.4	50.0	46.4	50.0	43.7	48.2	50.0	48.2	50.0	53.6	49.1
10/16/92	53.6	57.2	50.9	46.4	50.9	43.7	48.2	50.0	47.3	49.1	50.9	48.2
10/17/92	55.4	58.1	52.7	48.2	52.7	45.5	49.1	50.9	48.2	50.9	52.7	50.0
10/18/92	56.3	59.9	53.6	49.1	52.7	45.5	49.1	50.9	48.2	51.8	53.6	50.0
10/19/92	56.3	59.9	53.6	49.1	53.6	46.4	49.1	51.8	48.2	52.7	54.5	50.9
10/20/92	57.2	61.7	54.5	50.0	55.4	46.4	50.0	51.8	49.1	52.7	55.4	50.9
10/21/92	57.2	60.8	54.5	50.0	54.5	46.4	50.0	51.8	49.1	53.6	55.4	50.9
10/22/92	59.0	60.8	58.1	51.8	56.3	50.9	50.9	52.7	50.0	55.4	57.2	54.5
10/23/92	57.2	61.7	53.6	50.0	54.5	46.4	50.0	51.8	49.1	52.7	55.4	50.9
10/24/92	57.2	60.8	53.6	50.0	54.5	46.4	50.0	51.8	48.2	52.7	54.5	50.9
10/25/92	58.1	61.7	54.5	50.0	54.5	46.4	50.0	51.8	49.1	53.6	55.4	51.8
10/26/92	57.2	59.9	55.4	50.0	53.6	47.3	50.0	51.8	49.1	53.6	55.4	52.7
10/27/92	57.2	60.8	54.5	50.0	54.5	47.3	50.0	51.8	49.1	53.6	54.5	52.7
10/28/92	56.3	59.0	53.6	48.2	51.8	45.5	50.0	50.9	49.1	52.7	54.5	50.9
10/29/92	58.1	59.9	58.1	50.9	52.7	50.0	50.0	50.9	50.0	53.6	55.4	53.6
10/30/92	55.4	58.1	54.5	48.2	50.9	47.3	50.0	50.0	50.0	52.7	54.5	52.7
10/31/92	52.7	55.4	50.9	45.5	47.3	43.7	48.2	49.1	48.2	49.1	52.7	49.1
11/01/92	52.7	54.5	51.8	46.4	48.2	45.5	48.2	49.1	48.2	49.1	50.0	49.1
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	<del></del>	T) 1 1			011		3.6.11			3.6.11	' 10	
_		Firehole			Gibbon			on 287 E	_		son in Yl	
Date	Mean	Max	Min	<u>Mean</u>	Max	_Min	Mean	Max	Min	Mean	Max	Min
11/02/92	51.8	53.6	50.9	43.7	46.4	42.8	48.2	.49.1	48.2	48.2	50.0	48.2
11/03/92	49.1	51.8	48.2	42.8	44.6	41.0	47.3	48.2	47.3	46.4	48.2	46.4
11/04/92	47.3	50.9	44.6	40.1	42.8	37.4	46.4	48.2	46.4	43.7	46.4	42.8
11/05/92	50.0	52.7	49.1	41.9	44.6	41.0	47.3	48.2	46.4	45.5	47.3	44.6
11/07/92	51.8	53.6	50.9	00.0	00.0	00.0	47.3	48.2	47.3	00.0	00.0	00.0
11/08/92	50.0	51.8	49.1	00.0	00.0	00.0	47.3	47.3	47.3	00.0	00.0	00.0
11/09/92	48.2	50.9	47.3	00.0	00.0	00.0	46.4	47.3	46.4	00.0	00.0	00.0
11/10/92	47.3	50.0	46.4	00.0	00.0	00.0	46.4	46.4	46.4	00.0	00.0	00.0
11/11/92	48.2	50.9	47.3	00.0	00.0	00.0	46.4	47.3	46.4	00.0	00.0	00.0
11/12/92	50.0	51.8	50.0	00.0	00.0	00.0	46.4	48.2	46.4	00.0	00.0	00.0
11/13/92	53.6	56.3	51.8	00.0	00.0	00.0	47.3	49.1	47.3	00.0	00.0	00.0
11/14/92	52.7	55.4	50.9	00.0	00.0	00.0	47.3	49.1	47.3	00.0	00.0	00.0
11/15/92	51.8	55.4	49.1	00.0	00.0	00.0	46.4	48.2	46.4	00.0	00.0	00.0
11/16/92	50.9	53.6	49.1	00.0	00.0	00.0	46.4	47.3	45.5	00.0	00.0	00.0
11/17/92	52.7	54.5	52.7	00.0	00.0	00.0	47.3	49.1	47.3	00.0	00.0	00.0
11/18/92	51.8	52.7	50.9	00.0	00.0	00.0	47.3	48.2	47.3	00.0	00.0	00.0
11/19/92	49.1	50.9	47.3	00.0	00.0	00.0	46.4	47.3	46.4	00.0	00.0	00.0
11/20/92	46.4	48.2	44.6	00.0	00.0	00.0	44.6	46.4	44.6	00.0	00.0	00.0
11/21/92	48.2	50.0	47.3	00.0	00.0	00.0	45.5	46.4	45.5	00.0	00.0	00.0
11/22/92	46.4	50.0	42.8	00.0	00.0	00.0	44.6	46.4	44.6	00.0	00.0	00.0
11/23/92	41.9	45.5	39.2	00.0	00.0	00.0	42.8	44.6	42.8	00.0	00.0	00.0
11/24/92	41.9	44.6	40.1	00.0	00.0	00.0	41.9	43.7	41.9	00.0	00.0	00.0
11/25/92	41.9	45.5	39.2	00.0	00.0	00.0	41.0	42.8	41.0	00.0	00.0	00.0
11/26/92	43.7	47.3	40.1	00.0	00.0	00.0	41.9	43.7	41.9	00.0	00.0	00.0
11/27/92	48.2	50.0	47.3	00.0	00.0	00.0	43.7	46.4	43.7	00.0	00.0	00.0
11/28/92	44.6	48.2	42.8	00.0	00.0	00.0	44.6	45.5	43.7	00.0	00.0	00.0
11/29/92	44.6	46.4	42.8	00.0	00.0	00.0	43.7	44.6	43.7	00.0	00.0	00.0
11/30/92	43.7	47.3	41.9	00.0	00.0	00.0	43.7	45.5	43.7	00.0	00.0	00.0
12/01/92	44.6	48.2	43.7	00.0	00.0	00.0	43.7	44.6	43.7	00.0	00.0	00.0
12/02/92	42.8	47.3	40.1	00.0	00.0	00.0	43.7	44.6	43.7	00.0	00.0	00.0
12/03/92	38.3	41.0	36.5	00.0	00.0	00.0	39.2	44.6	36.5	00.0	00.0	00.0
12/04/92	40.1	43.7	36.5	00.0	00.0	00.0	39.2	41.0	37.4	00.0	00.0	00.0
12/05/92	43.7	46.4	42.8	00.0	00.0	00.0	36.5	42.8	32.0	00.0	00.0	00.0
12/06/92	42.8	47.3	40.1	00.0	00.0	00.0	32.0	33.8	32.0	00.0	00.0	00.0
12/07/92	46.4	48.2	46.4	00.0	00.0	00.0	32.9	33.8	32.0	00.0	00.0	00.0
12/08/92	45.5	46.4	43.7	00.0	00.0	00.0	36.5	41.0	32.9	00.0	00.0	00.0
12/09/92	46.4	50.9	43.7	00.0	00.0	00.0	39.2	41.9	38.3	00.0	00.0	00.0
12/10/92	49.1	50.9	48.2	00.0	00.0	00.0	41.0	42.8	40.1	00.0	00.0	00.0
12/11/92	48.2	50.0	45.5	00.0	00.0	00.0	41.0	42.8	39.2	00.0	00.0	00.0
12/12/92	41.9	45.5	40.1	00.0	00.0	00.0	37.4	39.2	36.5	00.0	00.0	00.0
12/13/92	42.8	46.4	41.0	00.0	00.0	00.0	34.7	37.4	33.8	00.0	00.0	00.0
12/14/92	45.5	47.3	43.7	00.0	00.0	00.0	37.4	40.1	35.6	00.0	00.0 00.0	00.0 00.0
12/15/92	41.0	43.7	39.2	00.0	00.0	00.0	35.6	38.3	33.8	00.0 00.0	00.0	00.0
12/16/92	42.8	46.4	41.9	00.0	00.0	00.0	35.6	37.4	34.7 36.5	00.0	00.0	00.0
12/17/92	42.8	45.5	42.8	00.0	00.0	00.0	37.4	38.3 37.4	36.5	00.0	00.0	00.0
12/18/92	41.0	42.8	40.1	00.0	00.0	00.0	35.6 36.5	37.4	34.7	00.0	00.0	00.0
12/19/92	43.7	45.5	41.9 42.8	00.0 00.0	00.0 00.0	00.0 00.0	36.5	37.4	36.5	00.0	00.0	00.0
12/20/92 12/21/92	42.8 41.9	44.6 43.7	41.9	00.0	00.0	00.0	36.5	37.4	35.6	00.0	00.0	00.0
14/41/94	31.J	43./	31.7	00.0	00.0	00.0	د. ن ر	J/.T	55.0	55.0		

	·· <u></u>	Pinch ala			Cibbon		Madia			Madie	son in Y	NID.
Data		Firehole	Min	M	Gibbon	Min		on 287 B	_		Max	Min
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max_	Min	Mean	IVIAX	IVIIII
12/22/92	44.6	47.3	41.9	00.0	00.0	00.0	37.4	40.1	35.6	00.0	00.0	00.0
12/23/92	45.5	47.3	43.7	00.0	00.0	00.0	38.3	40.1	38.3	00.0	00.0	00.0
12/24/92	43.7	46.4	42.8	00.0	00.0	00.0	37.4	38.3	37.4	00.0	00.0	00.0
12/25/92	44.6	47.3	43.7	00.0	00.0	00.0	37.4	38.3	37.4	00.0	00.0	00.0
12/26/92	44.6	46.4	42.8	00.0	00.0	00.0	38.3	40.1	38.3	00.0	00.0	00.0
12/27/92	45.5	50.0	43.7	00.0	00.0	00.0	39.2	40.1	38.3	00.0	00.0	00.0
12/28/92	46.4	50.0	44.6	00.0	00.0	00.0	40.1	41.0	39.2	00.0	00.0	00.0
12/29/92	44.6	47.3	42.8	00.0	00.0	00.0	38.3	40.1	37.4	00.0	00.0	00.0
12/30/92	43.7	46.4	42.8	00.0	00.0	00.0	37.4	39.2	37.4	00.0	00.0	00.0
12/31/92	47.3	50.9	45.5	00.0	00.0	00.0	38.3	41.0	37.4	00.0	00.0	00.0
01/01/93	47.3	49.1	44.6	00.0	00.0	00.0	39.2	40.1	38.3	00.0	00.0	00.0
01/02/93	42.8	44.6	42.8	00.0	00.0	00.0	36.5	39.2	36.5	00.0	00.0	00.0
01/03/93	43.7	45.5	41.9	00.0	00.0	00.0	35.6	37.4	35.6	00.0	00.0	00.0
01/04/93	42.8	45.5	41.0	00.0	00.0	00.0	35.6	37.4	33.8	00.0	00.0	00.0
01/05/93	41.9	44.6	39.2	00.0	00.0	00.0	33.8	35.6	33.8	00.0	00.0	00.0
01/06/93	40.1	42.8	37.4	00.0	00.0	00.0	32.0	33.8	32.0	00.0	00.0	00.0
01/07/93	44.6	47.3	42.8	00.0	00.0	00.0	32.0	32.9	32.0	00.0	00.0	00.0
01/08/93	43.7	47.3	41.9	00.0	00.0	00.0	32.0	34.7	32.0	00.0	00.0	00.0
01/09/93	43.7	47.3	41.9	00.0	00.0	00.0	33.8	36.5	32.9	00.0	00.0	00.0
01/10/93	46.4	48.2	45.5	00.0	00.0	00.0	34.7	37.4	33.8	00.0	00.0	00.0
01/11/93	42.8	45.5	41.0	00.0	00.0	00.0	33.8	35.6	32.0	00.0	00.0	00.0
01/12/93	40.1	45.5	37.4	00.0	00.0	00.0	32.0	32.9	32.0	00.0	00.0	00.0
01/13/93	47.3	50.9	44.6	00.0	00.0	00.0	33.8	39.2	32.0	00.0	00.0	00.0
01/14/93	50.0	51.8	46.4	00.0	00.0	00.0	40.1	42.8	39.2	00.0	00.0	00.0
01/15/93	47.3	50.9	44.6	00.0	00.0	00.0	39.2	41.0	38.3	00.0	00.0	00.0
01/16/93	49.1	51.8	47.3	00.0	00.0	00.0	41.0	43.7	39.2	00.0	00.0	00.0
01/17/93	44.6	49.1	41.9	00.0	00.0	00.0	35.6	39.2	33.8	00.0	00.0	00.0
01/18/93	50.0	52.7	49.1	00.0	00.0	00.0	39.2	41.9	36.5	00.0	00.0	00.0 00.0
01/19/93	49.1	50.9	48.2	00.0	00.0	00.0	41.0	42.8	40.1	00.0	00.0 00.0	00.0
01/20/93	46.4	50.9	44.6	00.0	00.0	00.0	39.2	41.0	38.3	00.0	00.0	00.0
01/21/93	45.5	47.3	44.6	00.0	00.0	00.0	37.4	39.2	36.5 34.7	00.0 00.0	00.0	00.0
01/22/93	44.6	46.4	42.8	00.0	00.0	00.0	36.5	38.3	34.7	00.0	00.0	00.0
01/23/93	44.6	47.3	43.7	00.0	00.0	00.0	35.6 37.4	37.4 40.1	34.7	00.0	00.0	00.0
01/24/93	47.3	49.1	46.4	00.0	00.0 00.0	00.0 00.0	37.4 40.1	43.7	38.3	00.0	00.0	00.0
01/25/93	49.1	51.8	46.4	00.0			38.3	41.9	36.5	00.0	00.0	00.0
01/26/93	47.3	50.9	44.6 44.6	00.0 00.0	00.0 00.0	00.0 00.0	37.4	41.0	35.6	00.0	00.0	00.0
01/27/93 01/28/93	47.3	50.9	48.2	00.0	00.0	00.0	40.1	43.7	38.3	00.0	00.0	00.0
01/28/93	50.0 47.3	52.7 50.0	44.6	00.0	00.0	00.0	39.2	41.9	37.4	00.0	00.0	00.0
01/29/93	46.4	50.0	42.8	00.0	00.0	00.0	37.4	41.0	34.7	00.0	00.0	00.0
01/30/93	47.3	51.8	43.7	00.0	00.0	00.0	37.4	41.9	34.7	00.0	00.0	00.0
02/01/93	50.0	52.7	48.2	00.0	00.0	00.0	40.1	43.7	38.3	00.0	00.0	00.0
02/01/93	47.3	50.9	44.6	00.0	00.0	00.0	39.2	42.8	36.5	00.0	00.0	00.0
02/02/93	46.4	50.0	42.8	00.0	00.0	00.0	37.4	41.0	34.7	00.0	00.0	00.0
02/03/93	47.3	50.9	43.7	00.0	00.0	00.0	37.4	41.9	34.7	00.0	00.0	00.0
02/04/93	45.5	49.1	42.8	00.0	00.0	00.0	36.5	39.2	34.7	00.0	00.0	00.0
02/05/93	50.9	56.3	49.1	00.0	00.0	00.0	40.1	45.5	37.4	00.0	00.0	00.0
02/07/93	50.0	53.6	46.4	00.0	00.0	00.0	41.0	44.6	38.3	00.0	00.0	00.0
02/08/93	52.7	56.3	50.9	00.0	00.0	00.0	41.9	45.5	39.2	00.0	00.0	00.0
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		T:1 1 .			Cibb		N (- J:-	207 D		Modi	son in Y	NTD.
_		Firehole			Gibbon			on 287 B	_			
Date	Mean	Max	<u>Min</u>	Mean	Max	Min	Mean	_Max_	<u>Min</u>	Mean	Max	<u>Min</u>
02/09/93	51.8	54.5	50.0	00.0	00.0	00.0	42.8	45.5	41.9	00.0	00.0	00.0
02/10/93	51.8	53.6	50.0	00.0	00.0	00.0	41.9	45.5	40.1	00.0	00.0	00.0
02/11/93	50.9	53.6	50.0	00.0	00.0	00.0	42.8	46.4	41.0	00.0	00.0	00.0
02/12/93	49.1	51.8	47.3	00.0	00.0	00.0	41.0	43.7	40.1	00.0	00.0	00.0
02/13/93	49.1	52.7	48.2	00.0	00.0	00.0	41.0	44.6	39.2	00.0	00.0	00.0
02/14/93	44.6	49.1	41.9	00.0	00.0	00.0	37.4	40.1	35.6	00.0	00.0	00.0
02/15/93	41.0	45.5	38.3	00.0	00.0	00.0	32.9	35.6	32.9	00.0	00.0	00.0
02/16/93	41.9	46.4	37.4	00.0	00.0	00.0	32.0	32.9	32.0	00.0	00.0	00.0
02/17/93	46.4	49.1	44.6	00.0	00.0	00.0	34.7	38.3	32.9	00.0	00.0	00.0
02/18/93	50.0	53.6	49.1	00.0	00.0	00.0	40.1	43.7	37.4	00.0	00.0	00.0
02/19/93	50.0	53.6	48.2	00.0	00.0	00.0	41.9	46.4	40.1	00.0	00.0	00.0
02/20/93	45.5	48.2	42.8	00.0	00.0	00.0	38.3	41.9	36.5	00.0	00.0	00.0
02/21/93	44.6	48.2	41.9	00.0	00.0	00.0	37.4	42.8	34.7	00.0	00.0	00.0
02/22/93	46.4	51.8	42.8	00.0	00.0	00.0	38.3	42.8	35.6	00.0	00.0	00.0
02/23/93	50.0	53.6	47.3	00.0	00.0	00.0	41.9	48.2	38.3	00.0	00.0	00.0
02/24/93	47.3	50.9	43.7	00.0	00.0	00.0	40.1	44.6	36.5	00.0	00.0	00.0
02/25/93	45.5	50.0	41.9	00.0	00.0	00.0	38.3	42.8	33.8	00.0	00.0	00.0
02/26/93	45.5	50.0	41.0	00.0	00.0	00.0	36.5	41.9	32.9	00.0	00.0	00.0
02/27/93	46.4	52.7	41.0	00.0	00.0	00.0	37.4	43.7	32.0	00.0	00.0	00.0
02/28/93	49.1	54.5	43.7	00.0	00.0	00.0	40.1	46.4	34.7	00.0	00.0	00.0
03/01/93	50.0	53.6	46.4	00.0	00.0	00.0	41.0	45.5	37.4	00.0	00.0	00.0
03/02/93	49.1	54.5	44.6	00.0	00.0	00.0	41.9	46.4	39.2	00.0	00.0	00.0
03/03/93	49.1	53.6	43.7	00.0	00.0	00.0	41.0	45.5	38.3	00.0	00.0	00.0
03/04/93	51.8	56.3	50.0	00.0	00.0	00.0	43.7	47.3	41.9	00.0	00.0	00.0
03/05/93	53.6	58.1	51.8	00.0	00.0	00.0	44.6	47.3	43.7	00.0	00.0	00.0
03/06/93	54.5	58.1	51.8	00.0	00.0	00.0	45.5	49.1	44.6	00.0	00.0	00.0
03/07/93	53.6	58.1	50.0	00.0	00.0	00.0	45.5	49.1	42.8	00.0	00.0	00.0
03/08/93	53.6	58.1	50.9	00.0	00.0	00.0	46.4	49.1	44.6	00.0	00.0	00.0
03/09/93	51.8	57.2	47.3	00.0	00.0	00.0	44.6	48.2	42.8	00.0	00.0	00.0
03/10/93	49.1	52.7	46.4	00.0	00.0	00.0	42.8	46.4	41.0	00.0	00.0	00.0
03/11/93	46.4	51.8	41.0	00.0	00.0	00.0	40.1	43.7	36.5	00.0	00.0	00.0
03/12/93	50.0	56.3	44.6	00.0	00.0	00.0	41.9	47.3	38.3	00.0	00.0	00.0
03/13/93	50.9	53.6	49.1	00.0	00.0	00.0	42.8	45.5	41.9	00.0	00.0	00.0
03/14/93	50.9	53.6	49.1	00.0	00.0	00.0	43.7	47.3	41.9	00.0	00.0	00.0
03/15/93	50.9	56.3	48.2	00.0	00.0	00.0	44.6	50.0	42.8	49.1	52.7	45.5
03/16/93	54.5	57.2	52.7	00.0	00.0	00.0	46.4	49.1	45.5	50.9	54.5	47.3
03/17/93	56.3	59.9	54.5	00.0	00.0	00.0	48.2	50.9	46.4	52.7	57.2	48.2
03/18/93	56.3	59.9	53.6	00.0	00.0	00.0	00.0	00.0	00.0	52.7	55.4	49.1
03/19/93	53.6	56.3	51.8	00.0	00.0	00.0	00.0	00.0	00.0	52.7	54.5	51.8
03/20/93	53.6	59.9	48.2	46.4	53.6	41.0	00.0	00.0	00.0	53.6	57.2	51.8
03/21/93	55.4	61.7	50.0	48.2	55.4	41.9	00.0	00.0	00.0	52.7	56.3	50.9
03/22/93	56.3	63.5	50.9	49.1	57.2	43.7	00.0	00.0	00.0	54.5	58.1	52.7 52.7
03/23/93	56.3	60.8	52.7	49.1	55.4	45.5	00.0	00.0	00.0	53.6	56.3	50.9
03/24/93	56.3	59.9	53.6	50.0	54.5	47.3	00.0	00.0	00.0	52.7	56.3	50.9
03/25/93	57.2	63.5	54.5	50.9	56.3	48.2	00.0	00.0	00.0	52.7 52.7	55.4 57.2	48.2
03/26/93	56.3	59.9	52.7	50.0	53.6	46.4	00.0	00.0	00.0 00.0	52.7 52.7	56.3	51.8
03/27/93	58.1	62.6	55.4	50.9	56.3	47.3	00.0	00.0	00.0	52.7 52.7	55.4	50.9
03/28/93	56.3	59.9	54.5	50.0	52.7	48.2	00.0	00.0 00.0	00.0	53.6	55.4	52.7
03/29/93	56.3	61.7	53.6	50.0	57.2	46.4	00.0	00.0	00.0	٠, د د	JJ.4	J

								005 D		- 1:	. 17	
_		Firehole			Gibbon			on 287 B	-		son in Yl	
Date	<u>Mean</u>	Max	<u>Min</u>	<u>Mean</u>	Max	_Min	<u>Mean</u>	<u>Max</u>	_Min	Mean	Max	Min
03/30/93	56.3	60.8	53.6	50.0	56.3	46.4	00.0	00.0	00.0	51.8	54.5	50.0
03/31/93	56.3	63.5	50.9	50.0	57.2	43.7	00.0	00.0	00.0	50.9	55.4	47.3
04/01/93	56.3	59.9	54.5	49.1	51.8	47.3	00.0	00.0	00.0	51.8	55.4	47.3
04/02/93	57.2	60.8	54.5	49.1	52.7	47.3	00.0	00.0	00.0	53.6	56.3	50.0
04/03/93	58.1	60.8	56.3	50.0	53.6	49.1	00.0	00.0	00.0	51.8	55.4	50.0
04/04/93	54.5	59.0	50.9	48.2	53.6	45.5	00.0	00.0	00.0	48.2	51.8	45.5
04/05/93	55.4	61.7	50.0	47.3	53.6	42.8	00.0	00.0	00.0	50.0	51.8	48.2
04/06/93	55.4	60.8	49.1	48.2	55.4	41.9	00.0	00.0	00.0	50.0	52.7	48.2
04/07/93	57.2	62.6	52.7	50.0	55.4	45.5	00.0	00.0	00.0	52.7	57.2	49.1
04/08/93	54.5	58.1	51.8	47.3	50.0	43.7	00.0	00.0	00.0	52.7	56.3	49.1
04/09/93	51.8	57.2	48.2	44.6	50.9	40.1	00.0	00.0	00.0	54.5	58.1	51.8
04/10/93	53.6	58.1	50.9	46.4	51.8	43.7	00.0	00.0	00.0	54.5	57.2	51.8
04/11/93	54.5	58.1	51.8	46.4	51.8	42.8	00.0	00.0	00.0	53.6	55.4	51.8
04/12/93	57.2	63.5	52.7	49.1	57.2	44.6	00.0	00.0	00.0	50.9	53.6	49.1
04/13/93	57.2	63.5	51.8	50.0	58.1	43.7	00.0	00.0	00.0	50.9	55.4	47.3
04/14/93	58.1	63.5	54.5	51.8	57.2	47.3	00.0	00.0	00.0	54.5	59.9	50.9
04/15/93	58.1	60.8	55.4	50.9	56.3	47.3	00.0	00.0	00.0	56.3	60.8	50.9
04/16/93	56.3	59.9	54.5	50.0	51.8	47.3	00.0	00.0	00.0	55.4	59.0	53.6
04/17/93	54.5	58.1	52.7	47.3	50.0	44.6	00.0	00.0	00.0	51.8	54.5	50.0
04/18/93	54.5	59.9	50.9	48.2	55.4	43.7	00.0	00.0	00.0	53.6	56.3	51.8
04/21/93	58.1	61.7	55.4	50.9	54.5	49.1	51.8	54.5	50.0	53.6	58.1	50.0
04/22/93	55.4	59.0	51.8	48.2	53.6	43.7	50.0	57.2	45.5	56.3	59.9	53.6
04/23/93	57.2	60.8	54.5	50.9	57.2	47.3	51.8	57.2	48.2	54.5	58.1	52.7
04/24/93	58.1	61.7	54.5	50.0	53.6	48.2	51.8	56.3	49.1	52.7	55.4	50.9
04/25/93	57.2	61.7	55.4	50.0	55.4	47.3	50.9	55.4	49.1	55.4	60.8	51.8
04/26/93	57.2	64.4	51.8	50.9	59.0	45.5	51.8	59.9	47.3	57.2	60.8	54.5
04/27/93	59.9	65.3	54.5	52.7	59.9	47.3	54.5	61.7	49.1	55.4	58.1	52.7
04/28/93	57.2	61.7	55.4	49.1	52.7	46.4	51.8	54.5	50.0	51.8	56.3	50.0
04/29/93	56.3	60.8	53.6	48.2	51.8	45.5	50.9	56.3	48.2	52.7	55.4	51.8
04/30/93	59.9	66.2	54.5	51.8	61.7	46.4	53.6	62.6	48.2	54.5	56.3	53.6
05/01/93	59.9	65.3	56.3	52.7	59.9	49.1	55.4	61.7	51.8	53.6	55.4	52.7
05/02/93	59.0	63.5	53.6	50.0	56.3	46.4	54.5	60.8	51.8	52.7	56.3	50.0
05/03/93	54.5	59.0	51.8	45.5	48.2	43.7	50.9	52.7	48.2	53.6	58.1	50.0
05/04/93	57.2	60.8	55.4	48.2	52.7	46.4	50.9	55.4	48.2	56.3	62.6	51.8
05/05/93	59.0	62.6	57.2	49.1	51.8	47.3	53.6	59.0	50.9	58.1	62.6	53.6
05/06/93	57.2	60.8	54.5	48.2	50.9	45.5	51.8	56.3	49.1	57.2	60.8	52.7
05/07/93	57.2	62.6	52.7	46.4	50.9	42.8	51.8	58.1	48.2	56.3	60.8	52.7
05/08/93	59.0	65.3	51.8	49.1	56.3	43.7	52.7	59.0	47.3	55.4	58.1	52.7
05/09/93	61.7	69.8	53.б	50.9	59.0	44.6	56.3	63.5	50.9	55.4	57.2	52.7
05/10/93	62.6	69.8	54.5	50.9	58.1	43.7	58.1	64.4	54.5	53.6	57.2	50.9
05/11/93	62.6	68.9	53.6	50.0	58.1	42.8	58.1	62.6	54.5	54.5	58.1	51.8
05/12/93	60.8	67.1	53.6	49.1	55.4	42.8	57.2	59.9	56.3	54.5	58.1	51.8 52.7
05/13/93	59.0	64.4	52.7	50.0	55.4	43.7	56.3	59.0	56.3	55.4	59.0	52.7
05/14/93	58.1	63.5	53.6	50.9	55.4	45.5	55.4	59.0	53.6	56.3	59.9	53.6
05/15/93	56.3	60.8	50.0	50.0	54.5	43.7	53.6	56.3	50.9	53.6	59.9	51.8 00.0
05/16/93	57.2	64.4	50.9	50.9	57.2	45.5	54.5	59.9	52.7	00.0	00.0	00.0
05/17/93	55.4	62.6	48.2	51.8	58.1	46.4	55.4	58.1	53.6	00.0	00.0	00.0
05/18/93	56.3	62.6	50.0	54.5	59.9	49.1	56.3	59.0	54.5	00.0	00.0	00.0
05/19/93	57.2	63.5	50.0	55.4	60.8	50.0	58.1	62.6	55.4	00.0	00.0	00.0

05/21/93       51.8       57.2       47.3       48.2       52.7       44.6       50.9       53.6       49.1       00.0       00.0         05/22/93       54.5       59.9       50.0       50.0       54.5       46.4       52.7       56.3       50.0       00.0       00.0         05/23/93       58.1       64.4       52.7       53.6       59.0       48.2       55.4       60.8       52.7       00.0       00.0         05/24/93       58.1       64.4       51.8       54.5       59.9       49.1       57.2       62.6       54.5       00.0       00.0         05/25/93       60.8       65.3       55.4       57.2       62.6       53.6       59.9       63.5       57.2       00.0       00.0         05/26/93       59.9       64.4       53.6       57.2       61.7       52.7       59.9       63.5       56.3       00.0       00.0         05/27/93       59.0       62.6       53.6       56.3       59.9       52.7       58.1       62.6       56.3       00.0       00.0         05/28/93       59.0       63.5       55.4       55.4       58.1       52.7       57.2       59.9	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/20/93 52.7 60.8 49.1 50.0 57.2 48.2 54.5 58.1 50.9 00.0 00.0 05/21/93 51.8 57.2 47.3 48.2 52.7 44.6 50.9 53.6 49.1 00.0 00.0 05/22/93 54.5 59.9 50.0 50.0 54.5 46.4 52.7 56.3 50.0 00.0 00.0 05/23/93 58.1 64.4 52.7 53.6 59.0 48.2 55.4 60.8 52.7 00.0 00.0 05/24/93 58.1 64.4 51.8 54.5 59.9 49.1 57.2 62.6 54.5 00.0 00.0 05/25/93 60.8 65.3 55.4 57.2 62.6 53.6 59.9 63.5 57.2 00.0 00.0 05/26/93 59.9 64.4 53.6 57.2 61.7 52.7 59.9 63.5 56.3 00.0 00.0 05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00.0 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00.0 05/28/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00.0 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 57.2 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 00.0 00.0 00.0 0	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/21/93 51.8 57.2 47.3 48.2 52.7 44.6 50.9 53.6 49.1 00.0 00.0 05/22/93 54.5 59.9 50.0 50.0 54.5 46.4 52.7 56.3 50.0 00.0 00.0 05/23/93 58.1 64.4 52.7 53.6 59.0 48.2 55.4 60.8 52.7 00.0 00.0 05/24/93 58.1 64.4 51.8 54.5 59.9 49.1 57.2 62.6 54.5 00.0 00.0 05/25/93 60.8 65.3 55.4 57.2 62.6 53.6 59.9 63.5 57.2 00.0 00.0 05/26/93 59.9 64.4 53.6 57.2 61.7 52.7 59.9 63.5 56.3 00.0 00.0 05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00.0 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00.0 05/28/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00.0 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 57.2 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 00.0 00.0 00.0 0	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/21/93       51.8       57.2       47.3       48.2       52.7       44.6       50.9       53.6       49.1       00.0       00.0         05/22/93       54.5       59.9       50.0       50.0       54.5       46.4       52.7       56.3       50.0       00.0       00.0         05/23/93       58.1       64.4       52.7       53.6       59.0       48.2       55.4       60.8       52.7       00.0       00.0         05/24/93       58.1       64.4       51.8       54.5       59.9       49.1       57.2       62.6       54.5       00.0       00.0         05/25/93       60.8       65.3       55.4       57.2       62.6       53.6       59.9       63.5       57.2       00.0       00.0         05/26/93       59.9       64.4       53.6       57.2       61.7       52.7       59.9       63.5       56.3       00.0       00.0         05/27/93       59.0       62.6       53.6       56.3       59.9       52.7       58.1       62.6       56.3       00.0       00.0         05/28/93       59.0       63.5       55.4       55.4       58.1       52.7       57.2       59.9	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/22/93 54.5 59.9 50.0 50.0 54.5 46.4 52.7 56.3 50.0 00.0 00.0 05/23/93 58.1 64.4 52.7 53.6 59.0 48.2 55.4 60.8 52.7 00.0 00.0 05/24/93 58.1 64.4 51.8 54.5 59.9 49.1 57.2 62.6 54.5 00.0 00.0 05/25/93 60.8 65.3 55.4 57.2 62.6 53.6 59.9 63.5 57.2 00.0 00.0 05/26/93 59.9 64.4 53.6 57.2 61.7 52.7 59.9 63.5 56.3 00.0 00.0 05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00.0 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00.0 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 00.0 00.0 00.0 0	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/23/93 58.1 64.4 52.7 53.6 59.0 48.2 55.4 60.8 52.7 00.0 00.0 05/24/93 58.1 64.4 51.8 54.5 59.9 49.1 57.2 62.6 54.5 00.0 00.0 05/25/93 60.8 65.3 55.4 57.2 62.6 53.6 59.9 63.5 57.2 00.0 00.0 05/26/93 59.9 64.4 53.6 57.2 61.7 52.7 59.9 63.5 56.3 00.0 00.0 05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00.0 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00.0 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00.0 00.0 00.0 00.0 00.0 00.0 0	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/24/93 58.1 64.4 51.8 54.5 59.9 49.1 57.2 62.6 54.5 00.0 00 05/25/93 60.8 65.3 55.4 57.2 62.6 53.6 59.9 63.5 57.2 00.0 00 05/26/93 59.9 64.4 53.6 57.2 61.7 52.7 59.9 63.5 56.3 00.0 00 05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/26/93     59.9     64.4     53.6     57.2     61.7     52.7     59.9     63.5     56.3     00.0     00.0       05/27/93     59.0     62.6     53.6     56.3     59.9     52.7     58.1     62.6     56.3     00.0     00.0       05/28/93     59.0     63.5     55.4     55.4     58.1     52.7     57.2     59.9     55.4     00.0     00.0       05/29/93     59.9     64.4     54.5     56.3     60.8     51.8     59.0     63.5     55.4     00.0     00.0       05/30/93     61.7     65.3     58.1     58.1     60.8     55.4     59.9     63.5     57.2     00.0     00	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/27/93 59.0 62.6 53.6 56.3 59.9 52.7 58.1 62.6 56.3 00.0 00 05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00	.0 00.0 .0 00.0 .0 00.0 .0 00.0 .0 00.0
05/28/93 59.0 63.5 55.4 55.4 58.1 52.7 57.2 59.9 55.4 00.0 00 05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00	.0 00.0 .0 00.0 .0 00.0 .0 00.0
05/29/93 59.9 64.4 54.5 56.3 60.8 51.8 59.0 63.5 55.4 00.0 00 05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00	.0 00.0 .0 00.0 .0 00.0
05/30/93 61.7 65.3 58.1 58.1 60.8 55.4 59.9 63.5 57.2 00.0 00	.0 00.0 .0 00.0 .0 00.0
	.0 00.0 .0 00.0
	.0 00.0
06/01/93 59.9 64.4 57.2 55.4 59.0 51.8 57.2 61.7 53.6 00.0 00	.0 00.0
06/02/93 56.3 61.7 53.6 52.7 56.3 51.8 55.4 59.0 53.6 00.0 00	
06/03/93 57.2 60.8 55.4 51.8 53.6 50.0 53.6 56.3 52.7 00.0 00	
06/04/93 59.0 59.9 58.1 51.8 54.5 50.0 54.5 57.2 53.6 00.0 00	
06/05/93 56.3 59.0 55.4 44.6 70.7 50.8 53.6 56.3 52.7 00.0 00	
06/06/93 53.6 56.3 50.9 56.3 60.8 53.6 51.8 52.7 50.9 00.0 00	
06/07/93 57.2 60.8 55.4 53.6 58.1 48.2 52.7 56.3 50.9 00.0 00	
06/08/93 60.8 65.3 56.3 57.2 60.8 54.5 56.3 62.6 52.7 00.0 00	
06/09/93 63.5 67.1 59.9 59.9 62.6 58.1 59.9 64.4 56.3 00.0 00	
06/10/93 61.7 64.4 59.9 61.7 64.4 58.1 59.9 62.6 57.2 00.0 00	
06/11/93 55.4 61.7 51.8 61.7 63.5 56.3 52.7 59.0 50.0 00.0 00 06/12/93 59.0 67.1 51.8 58.1 62.6 52.7 52.7 59.9 48.2 00.0 00	
06/13/93 64.4 70.7 58.1 55.4 59.9 50.0 59.0 67.1 54.5 00.0 00 06/14/93 65.3 68.0 63.5 51.8 56.3 48.2 61.7 65.3 59.9 00.0 00	
06/15/93 63.5 68.9 59.9 54.5 59.9 46.4 59.9 66.2 56.3 00.0 00	
06/16/93 60.8 65.3 57.2 56.3 62.6 50.0 58.1 62.6 55.4 00.0 00	
06/17/93 64.4 71.6 58.1 52.7 62.6 45.5 59.9 67.1 54.5 00.0 00	
06/18/93 67.1 73.4 61.7 54.5 61.7 47.3 63.5 70.7 59.0 00.0 00	
06/19/93 68.9 74.3 63.5 00.0 00.0 00.0 64.4 71.6 59.9 00.0 00	
06/20/93 68,0 71.6 65.3 00.0 00.0 00.0 62.6 66.2 59.9 00.0 00	
06/21/93 63.5 67.1 59.9 00.0 00.0 00.0 60.8 65.3 58.1 00.0 00	.0 00.0
06/22/93 58.1 60.8 56.3 00.0 00.0 00.0 56.3 59.0 54.5 00.0 00	.0 00.0
06/23/93 57.2 59.9 56.3 00.0 00.0 00.0 51.8 54.5 50.9 00.0 00	.0 00.0
06/24/93 63.5 72.5 57.2 00.0 00.0 00.0 56.3 61.7 51.8 00.0 00	.0 00.0
06/25/93 68.9 75.2 62.6 00.0 00.0 00.0 59.0 63.5 56.3 00.0 00	.0 00.0
06/26/93 69.8 75.2 65.3 00.0 00.0 00.0 59.0 62.6 56.3 00.0 00	.0 00.0
06/27/93 68.0 70.7 65.3 00.0 00.0 00.0 58.1 60.8 56.3 00.0 00	
06/28/93 64.4 68.0 60.8 00.0 00.0 00.0 54.5 57.2 52.7 00.0 00	
06/29/93 65.3 70.7 59.9 00.0 00.0 00.0 52.7 55.4 50.0 00.0 00	
06/30/93 67.1 72.5 62.6 00.0 00.0 00.0 53.6 56.3 50.9 00.0 00	
07/01/93 66.2 69.8 62.6 00.0 00.0 00.0 52.7 54.5 50.9 00.0 00	
07/02/93 62.6 67.1 61.7 00.0 00.0 00.0 50.9 52.7 50.0 00.0 00	
07/03/93 61.7 65.3 59.9 00.0 00.0 00.0 50.0 50.9 49.1 00.0 00	
07/04/93 61.7 65.3 59.0 00.0 00.0 00.0 50.0 51.8 49.1 00.0 00	
07/03/20	.0 00.0
0,700,750 00.12 00.12 00.10 00.10	.0 00.0
07/07/93 65.3 71.6 61.7 00.0 00.0 00.0 57.2 67.1 48.2 00.0 00	.0 00.0

		Firehole	<u> </u>		Gibbon		Madis	on 287 E		Madi	son in Y	NP
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	_	Mean	Max	Min
Date	Mican	IVIGA	171111	Ivicali	IVIAX	IVIIII	IVICALI	IVIAN	141111	Ivican	IVIAA	IAIIII
07/08/93	67.1	73.4	61.7	00.0	00.0	00.0	62.6	68.9	57.2	00.0	00.0	00.0
07/09/93	68.0	72.5	64.4	00.0	00.0	00.0	62.6	67.1	59.0	00.0	Ò0.0	00.0
07/10/93	68.0	74.3	62.6	00.0	00.0	00.0	62.6	69.8	58.1	00.0	00.0	00.0
07/11/93	67.1	71.6	63.5	00.0	00.0	00.0	62.6	67.1	58.1	00.0	00.0	00.0
07/12/93	67.1	74.3	62.6	00.0	00.0	00.0	62.6	70.7	57.2	00.0	00.0	00.0
07/13/93	68.0	73.4	64.4	00.0	00.0	00.0	62.6	69.8	58.1	00.0	00.0	00.0
0.7/14/93	67.1	71.6	63.5	00.0	00.0	00.0	60.8	65.3	58.1	00.0	00.0	00.0
07/15/93	66.2	69.8	63.5	00.0	00.0	00.0	60.8	66.2	58.1	00.0	00.0	00.0
07/16/93	65.3	70.7	60.8	00.0	00.0	00.0	60.8	67.1	55.4	00.0	00.0	00.0
07/17/93	66.2	72.5	61.7	00.0	00.0	00.0	60.8	68.9	55.4	00.0	00.0	00.0
07/18/93	67.1	72.5	61.7	00.0	00.0	00.0	56.3	63.5	50.9	00.0	00.0	00.0
07/19/93	68.9	75.2	64.4	00.0	00.0	00.0	56.3	67.1	50.0	00.0	00.0	00.0
07/20/93	66.2	69.8	63.5	00.0	00.0	00.0	53.6	56.3	51.8	00.0	00.0	00.0
07/21/93	63.5	66.2	61.7	00.0	00.0	00.0	52.7	55.4	50.9	00.0	00.0	00.0
07/22/93	64.4	66.2	63.5	00.0	00.0	00.0	53.6	56.3	51.8	00.0	00.0	00.0
07/23/93	63.5	66.2	62.6	00.0	00.0	00.0	54.5	57.2	52.7	00.0	00.0	00.0
07/24/93	65.3	70.7	61.7	00.0	00.0	00.0	56.3	62.6	52.7	00.0	00.0	00.0
07/25/93	65.3	68.0	63.5	00.0	00.0	00.0	56.3	61.7	53.6	00.0	00.0	00.0
07/26/93	65.3	70.7	61.7	00.0	00.0	00.0	57.2	64.4	52.7	00.0	00.0	00.0
07/27/93	68.9	76.1	62.6	00.0	00.0	00.0	59.0	68.0	52.7	00.0	00.0	00.0
07/28/93	69.8	72.5	66.2	00.0	00.0	00.0	60.8	66.2	57.2	00.0	00.0	00.0
07/29/93	69.8	75.2	65.3	00.0	00.0	00.0	60.8	68.0	56.3	00.0	00.0	00.0
07/30/93	68.9	74.3	64.4	00.0	00.0	00.0	59.9	67.1	55.4	00.0	00.0	00.0
07/31/93	69.8	75.2	64.4	00.0	00.0	00.0	59.9	68.0	54.5	00.0	00.0	00.0
08/01/93	68.9	74.3	65.3	00.0	00.0	00.0	59.9	67.1	54.5	00.0	00.0	00.0
08/02/93	68.0	75.2	63.5	00.0	00.0	00.0	59.9	68.0	53.6	00.0	00.0	00.0
08/03/93	68.9	74.3	65.3	00.0	00.0	00.0	59.9	66.2	55.4	00.0	00.0	00.0
08/04/93	68.9	72.5	64.4	00.0	00.0	00.0	59.0	64.4	56.3	00.0	00.0	00.0
08/05/93	68.0	72.5	64.4	00.0	00.0	00.0	59.0	64.4	55.4	00.0	00.0	00.0
08/06/93	68.9	74.3	64.4	00.0	00.0	00.0	58.1	64.4	54.5	00.0	00.0	00.0
08/07/93	68.0	71.6	65.3	00.0	00.0	00.0	59.0	62.6	57.2	00.0	00.0	00.0
08/08/93	68.0	74.3	63.5	00.0	00.0	00.0	59.9	67.1	54.5	00.0	00.0	00.0
08/09/93	71.6	77.0	68.0	00.0	00.0	00.0	62.6	68.9	58.1	00.0	00.0	00.0
08/10/93	69.8	73.4	67.1	00.0	00.0	00.0	60.8	66.2	58.1	00.0	00.0	00.0
08/11/93	69.8	75.2	65.3	00.0	00.0	00.0	61.7	68.9	56.3	00.0	00.0	00.0
08/12/93	68.9	73.4	66.2	00.0	00.0	00.0	60.8	66.2	57.2	00.0	00.0	00.0
08/13/93	68.9	73.4	63.5	00.0	00.0	00.0	59.9	66.2	56.3	00.0	00.0	00.0
08/14/93	68.9	73.4	64.4	00.0	00.0	00.0	59.9	65.3	57.2	00.0	00.0	00.0
08/15/93	65.3	68.9	64.4	00.0	00.0	00.0	57.2	59.9	56.3	00.0	00.0	00.0
08/16/93	65.3	70.7	61.7	00.0	00.0	00.0	57.2	61.7	53.6	00.0	00.0	00.0
08/17/93	67.1	74.3	60.8	00.0	00.0	00.0	58.1	65.3	53.6	00.0	00.0	00.0
08/18/93	68.9	74.3	64.4	00.0	00.0	00.0	59.9	67.1	56.3	00.0	00.0	00.0
08/19/93	69.8	74.3	66.2	00.0	00.0	00.0	59.9	65.3	56.3	00.0	00.0	00.0
08/20/93	67.1	69.8	65.3	00.0	00.0	00.0	58.1	59.9	57.2	00.0	00.0	00.0
08/21/93	65.3	69.8	62.6	00.0	00.0	00.0	57.2	59.9	54.5	00.0	00.0	00.0
08/22/93	68.0	74.3	63.5	00.0	00.0	00.0	59.0	65.3	54.5	00.0	00.0 00.0	00.0 00.0
08/23/93	68.9	74.3	65.3	00.0	00.0	00.0	60.8	66.2	57.2	00.0 00.0	00.0	00.0
08/24/93	66.2	68.9	64.4	00.0	00.0	00.0	59.0	63.5	56.3			00.0
08/25/93	65.3	69.8	61.7	00.0	00.0	00.0	57.2	63.5	53.6	00.0	00.0	00.0

	Firehole				Gibbon		Madison 287 Bridge			Madison in YNP		
Date	Mean	Max	Min	Mean	Max	Min	Mean	Max	_ Min	Mean	Max	Min
08/26/93	65.3	70.7	59.9	00.0	00.0	00.0	57.2	63.5	51.8	00.0	00.0	00.0
08/27/93	65.3	70.7	60.8	00.0	00.0	00.0	58.1	64.4	53.6	00.0	00.0	00.0
08/28/93	64.4	67.1	63.5	00.0	00.0	00.0	57.2	61.7	55.4	00.0	00.0	00.0
08/29/93	63.5	69.8	58.1	00.0	00.0	00.0	56.3	63.5	50.9	00.0	00.0	00.0
08/30/93	64.4	69.8	59.0	00.0	00.0	00.0	56.3	62.6	50.9	00.0	00.0	00.0
08/31/93	64.4	66.2	63.5	00.0	00.0	00.0	55.4	57.2	54.5	00.0	00.0	00.0
09/01/93	65.3	70.7	60.8	00.0	00.0	00.0	56.3	63.5	51.8	00.0	00.0	00.0
09/02/93	66.2	71.6	60.8	00.0	00.0	00.0	57.2	63.5	51.8	00.0	00.0	00.0
09/03/93	67.1	71.6	63.5	00.0	00.0	00.0	57.2	62.6	53.6	00.0	00.0	00.0
09/04/93	66.2	71.6	63.5	00.0	00.0	00.0	57.2	64.4	53.6	00.0	00.0	00.0
09/05/93	66.2	72.5	61.7	00.0	00.0	00.0	57.2	63.5	51.8	00.0	00.0	00.0
09/06/93	68.0	72.5	64.4	00.0	00.0	00.0	58.1	64.4	54.5	00.0	00.0	00.0
09/07/93	66.2	71.6	61.7	00.0	00.0	00.0	56.3	63.5	51.8	00.0	00.0	00.0
09/08/93	67.1	73.4	62.6	00.0	00.0	00.0	57.2	64.4	51.8	00.0	00.0	00.0
09/09/93	67.1	71.6	63.5	00.0	00.0	00.0	57.2	63.5	52.7	00.0	00.0	00.0
09/10/93	65.3	68.9	63.5	00.0	00.0	00.0	55.4	60.8	52.7	00.0	00.0	00.0
09/11/93	61.7	64.4	59.9	00.0	00.0	00.0	51.8	54.5	48.2	00.0	00.0	00.0
09/12/93	59.0	64.4	54.5	00.0	00.0	00.0	49.1	54.5	45.5	00.0	00.0	00.0
09/13/93	59.9	63.5	55.4	00.0	00.0	00.0	48.2	52.7	44.6	00.0	00.0	00.0
09/14/93	60.8	63.5	59.9	00.0	00.0	00.0	50.0	53.6	48.2	00.0	00.0	00.0
09/15/93	62.6	67.1	59.9	00.0	00.0	00.0	51.8	58.1	47.3	00.0	00.0	00.0
09/16/93	62.6	65.3	59.9	00.0	00.0	00.0	51.8	56.3	48.2	00.0	00.0	00.0
09/17/93	61.7	64.4	59.9	00.0	00.0	00.0	50.0	53.6	48.2	00.0	00.0	00.0
09/18/93	62.6	63.5	61.7	00.0	00.0	00.0	50.9	55.4	50.0	00.0	00.0	00.0
09/19/93	61.7	64.4	59.0	00.0	00.0	00.0	50.0	54.5	48.2	00.0	00.0	00.0
09/20/93	61.7	64.4	58.1	00.0	00.0	00.0	50.0	54.5	48.2	00.0	00.0	00.0
09/21/93	59.9	65.3	55.4	00.0	00.0	00.0	49.1	55.4	44.6	00.0	00.0	00.0
09/22/93	59.9	65.3	54.5	00.0	00.0	00.0	49.1	54.5	44.6	00.0	00.0	00.0
09/23/93	60.8	65.3	55.4	00.0	00.0	00.0	48.2	54.5	44.6	00.0	00.0	00.0
09/24/93	60.8	62.6	59.0	00.0	00.0	00.0	49.1	53.6	47.3	00.0	00.0	00.0
09/25/93	60.8	66.2	55.4	00.0	00.0	00.0	48.2	54.5	44.6	00.0	00.0	00.0
09/26/93	61.7	67.1	57.2	00.0	00.0	00.0	50.0	55.4	46.4	00.0	00.0	00.0
09/27/93	62.6	68.0	58.1	00.0	00.0	00.0	50.9	56.3	47.3	00.0	00.0	00.0

## APPENDIX B

Dos formatted disk containing daily mean, maximum, and minimum water temperatures collected from the Firehole and Gibbon Rivers and two sites on the Madison River during 1991-1994 in ASCII and dBase IV formats. Values listed as 00.0 reflect no data and are not actual temperatures.