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The influence of hydrilla infestation and drawdown on the food habits and growth of age-0 largemouth bass in the Atchafalaya River Basin, Louisiana

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THE INFLUENCE OF HYDRILLA INFESTATION AND DRAWDOWN ON THE FOOD HABITS AND GROWTH OF AGE-0 LARGEMOUTH BASS IN THE ATCHAFALAYA RIVER BASIN, LOUISIANA

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ABSTRACT

I compared diets and growth rates of age-0 largemouth bass in the Atchafalaya River Basin (Basin), Louisiana, to determine how hydrilla *Hydrilla verticillata* densities and drawdown influence bass food habits and growth. To assess hydrilla density effects on diet, I compared food habits of age-0 bass collected in high, intermediate, and low hydrilla densities, as well as in Henderson Lake, a semi-isolated portion of the Basin subject to drawdowns in 2001 and 2002 to reduce hydrilla densities. I also compared diets of age-0 bass from sites sampled in 2001 and 2002 that were also sampled in the mid-1970s before hydrilla had colonized the Basin. Frequency of occurrence and percentage of the diet by weight composed of fish prey consistently decreased as hydrilla coverage increased. Bass switched to a more fish-dominated diet sooner in Lake Henderson after the 2001 drawdown, but the importance of fishes in the diet decreased quickly as hydrilla beds became re-established. Effects of the 2002 drawdown in Lake Henderson lasted much longer, and age-0 bass switched to a piscivorous diet sooner and maintained a more fish-dominated diet throughout the spring and summer relative to bass collected from hydrilla-infested areas of the Basin. Length frequencies and mean length in August revealed smaller bass in areas affected by high hydrilla densities, however, there was no evidence that drawdown resulted in a growth advantage for age-0 largemouth bass. Mean length and weight of age-0 largemouth bass was significantly lower in areas supporting high hydrilla densities compared to habitats with intermediate and low hydrilla abundance. Results indicate high

hydrilla coverage has major effects on the diet of age-0 largemouth bass, and those effects are reflected in reduced growth of individuals inhabiting high-density hydrilla beds.

INTRODUCTION

An increasingly important threat to aquatic ecosystem health in the southeastern United States is the recent spread of exotic macrophytes. Infestations of invasive species such as Eurasian water-milfoil *Myriophyllum spicatum*, water hyacinth *Eichhornia crassipes* and hydrilla *Hydrilla verticallata* have resulted in significant changes in the abundance and species composition of lentic macrophyte communities, as well as alterations in the distribution and diversity of littoral invertebrate and fish assemblages (Chilton 1990; Chick and McIvor 1994). In the Atchafalaya River Basin (Basin), invasive hydrilla, water hyacinth, and common salvinia *Salvinia minima* have displaced native macrophytes and formed dense homogeneous canopies that significantly alter vertical gradients in temperature, light, oxygen, and pH (Carpenter and Lodge 1986; Madsen 1997). These macrophyte beds contrast sharply with habitats dominated by native macrophytes such as cabomba *Cabomba caroliniana* and coontail *Ceratophyllum demersum*, which are characteristically less dense and would likely provide better foraging habitat for littoral fishes (Savino and Stein 1982).

The negative impacts of exotic macrophbyte invasions include declines in native aquatic plant diversity and abundance (Colle and Shireman 1980; Keast 1984), reduced water quality (Colle and Shireman 1980; Langeland 1996), and declines in fish foraging success and littoral habitat use (Savino and Stein 1982; Bettoli et al. 1992; Valley and Bremigan 2002). However, aquatic macrophytes also play a key role in the production of invertebrate fish prey (Colle and

Shireman 1980; Wiley et al. 1984; Dibble and Harrel 1997), and can significantly benefit fish growth and fisheries production.

Among the species currently infesting Louisiana waters, hydrilla is the most challenging exotic macrophyte to control because it requires extended chemical treatment, and can spread quickly from fragmentation. This is a particular problem in a flood pulse system such as the Basin, as chemical treatments are susceptible to flushing and dilution, and hydrilla can spread to virtually every habitat during high river stages. Over the last two decades, hydrilla has become a nuisance in many areas of the Basin, eliminating fishing access to productive littoral habitats that historically supported high densities of largemouth bass *Micropterus salmoides*. In order to effectively manage Basin bass populations, we need a clear understanding of the relationships between habitat structure, bass production, and angling success. Because of the pervasive effects of hydrilla on Basin littoral ecology, identification of positive or negative influences of hydrilla on largemouth bass ecology is an important first step in the development of an effective bass management program.

Although bass management programs tend to focus on production of harvestable adults, it is clear that larval and juvenile survival and growth determine recruitment levels and the sustainability of quality bass fisheries. Abundant literature exists on the early life history, recruitment, and habitat relationships of largemouth bass (Chew, 1974; Aggus and Elliott 1975; Shelton et al. 1979). Several studies have reported that cover (Durocher et al. 1984), and more specifically hydrilla (Wiley et al. 1984; Moxely and Langford 1985; Bettoli et

al. 1992), has a significant positive influence on survival of age-0 fish. However, Colle and Shireman (1980) and Savino and Stein (1982) reported negative effects of dense macrophyte beds on bass growth due to inaccessibility of prey, and their observations are consistent with reports of an inverse relationship between fish foraging success and habitat complexity, even though prey abundance in dense macrophyte beds may be high (Dibble and Harrel 1997). The interacting effects of plant type, plant density and structure, water quality, and invertebrate community composition on juvenile fish ecology in littoral plant beds is poorly understood. Although there is abundant literature on juvenile largemouth bass (e.g., growth, Viosca 1952; Lambou 1958; and food habits, Bettoli et al.; 1992; Olsen 1996; Valley and Bremigan 2002;), there are few field studies that relate food habits and growth of age-0 individuals to the density and abundance of exotic macrophytes.

Age-0 largemouth bass go through several size-related diet shifts during their first year of life, typically switching from zooplankton to aquatic insects and finally to fishes (Keast and Eadie 1985; Phillips et al. 1995). Age-0 bass longer than 40-50 mm feed increasingly on fishes, becoming primarily piscivorous at 75-100 mm (Chew 1974). Aggus and Elliot (1975) reported that age-0 individuals that were able to feed on fishes earlier in the year exhibited increased growth, which would likely result in increased survival (Timmons et al. 1980; Keast and Eadie 1985; Bettoli et al. 1992; Cailteux et al. 1996). Variation in the growth of individuals within a year class of largemouth bass may be the direct result of prey availability (Aggus and Elliott 1975), and if prey availability is reduced in high-

density macrophyte beds, survival of age-0 largemouth bass and subsequent recruitment to the fishery may be adversely affected.

Several researchers have suggested that predator feeding rates and growth are greatest in intermediate levels of structural complexity (Crowder and Cooper 1979; Savino and Stein 1982; Wiley et al. 1984; Valley and Bremigan 2002). Dibble and Harrel (1997) found that the stem and leaf configurations of various aquatic plants significantly influenced the diets of juvenile largemouth bass by interfering with their foraging efficiency. Similarly, Miranda and Pugh (1997) found mean total length of juvenile bass and consumption of food was highest in areas with less vegetative cover, and intermediate levels of vegetation coverage resulted in maximum largemouth bass recruitment. These data indicate that variation in the complexity of foraging habitat ultimately determines food intake, growth and survival of age-0 largemouth bass, and that low to intermediate levels of submerged macrophyte cover are most favorable to rapid bass growth. Unfortunately, in areas of the Basin where hydrilla has become established, it has quickly become the dominant submerged littoral macrophyte, often increasing to a nearly monospecific stand covering 100% of the available littoral habitat.

As hydrilla has spread throughout the southeastern U.S., most state agencies have adopted some form of control program to minimize its impacts. Aquatic macrophytes can be controlled by biological, chemical, and mechanical means, with drawdown being an effective method in systems where water levels can be manipulated. Short-term summer drawdowns have been reported to be a

useful hydrilla control tool (Poovey and Kay 1998), and fall-winter drawdowns may also be effective for hydrilla, as subterranean roots, called turions, develop during this time (Haller 1976). Although other studies have examined the effects of drawdowns on flora and fauna in lakes (Holcomb and Wegener 1972; Moyer et al. 1995), little information exists on the effects of drawdown on diet and growth of age-0 fishes.

Sixty percent of all Louisiana licensed anglers list the largemouth bass as their favorite target (Kelso et al. 1992), and bass tournaments, recreational angling, and guide services represent a significant source of revenue to the people of Louisiana. Many largemouth bass fishermen welcome hydrilla invasions and the immediate increase in cover for adult fish. However, the ecology of adult largemouth bass differs substantially from age-0 individuals, and little is known about the influence of hydrilla on available prey, growth, and food habits of age-0 largemouth bass. Investigation of the relationships between hydrilla habitat and the growth and trophic dynamics of age-0 bass will improve our understanding of how habitat can affect largemouth bass ecology, and will provide important information related to macrophyte control programs and their potential effects on largemouth bass fisheries.

This project was designed to assess the impact hydrilla has on the growth and food habits of age-0 largemouth bass in the Basin. The objectives of this study were to: 1) compare the diet composition and growth of age-0 largemouth bass in the lower Basin before and after the invasion of hydrilla in the mid-1970s; 2) compare overall diet composition, piscivory, and growth in high, intermediate,

and low levels of hydrilla coverage currently found in the Basin; and 3) determine the effects of two consecutive fall drawdowns on the overall diet composition, piscivory, and growth of age-0 largemouth bass relative to bass collected from portions of the lower Basin not subject to drawdown.

METHODS

Study Area and Sites

Located in south-central Louisiana, the Basin forms an approximately 5,000 km^2 floodplain of the Atchafalaya River, and is the largest remaining bottomland hardwood swamp in North America. The Basin is managed as a floodway for the lower Mississippi River by the U.S. Army Corps of Engineers, with the discharge in the Atchafalaya River controlled to average 30% of the combined flows of the Red and Mississippi Rivers. The Basin is important to the economy of southcentral Louisiana, providing significant annual commercial harvests of crayfish, finfish, furbearers, and alligators ($4.6 million farm gate value in Basin parishes; LCES 2002), as well as an important sport fishery for bass, crappie, sunfishes, and catfishes.

Hydrilla was first found in Florida in the early 1960s (Langeland 1996), and in Louisiana in the mid- 1970's. Because of its growth characteristics and competitive capabilities (Gopal, 1987), hydrilla is now the dominant submerged macrophyte in shallow habitats in the central and lower Basin. Before hydrilla invaded the Basin, the littoral macrophyte community was composed of many taxa such as cabomba, ceratophylum, and sagittaria (*Sagittaria* spp.), which provided a diversity of structural habitats in the littoral areas of the Basin's lakes, bayous, and canals.

This study was conducted in the lower Basin, located in St. Martin, Iberia and Iberville Parishs, and in Henderson Lake, located in the west-central portion of the Basin in St. Martin Parish. The lower Basin experiences fluctuating water

levels associated with overbank flooding during the spring flood pulse and low water in the fall, and much of the aquatic habitat in the lower Basin is composed of excavated pipeline canals. In contrast, Henderson Lake is a large, shallow open water area bisected by several deeper channels with a low water-control structure located at its southern margin. Two consecutive 90-day drawdowns were implemented during the fall of 2000 and 2001 on Henderson Lake by the Louisiana Department of Wildlife and Fisheries to combat a severe hydrilla infestation.

Sample sites were chosen based on ease of access and level of hydrilla coverage. During 2001, areas near Murphy Lake in the lower Basin provided habitats with three distinct levels of hydrilla coverage, and bass were collected from all three for diet and growth comparisons. One area consisted of a deep excavated canal that remained free of hydrilla all year long. The other two areas had either moderate coverage or supported a dense mat of hydrilla covering 100% of the littoral area.

Hydrilla coverage in Henderson Lake was quite different between the two study years due to differences in the success of drawdown efforts. In 2001, hydrilla re-infested Henderson Lake immediately after the lake was re-filled. Some littoral areas of Henderson Lake had 100% hydrilla by the end of May, and the lake was covered with hydrilla by the end of July, suggesting that the initial drawdown had little effect on hydrilla coverage. Age-0 largemouth bass were collected from hydrilla-infested littoral areas near the center of the lake.

In 2002, the Basin experienced an extended flood pulse and water levels remained fairly high throughout the summer. Because of this, I was able to continue sampling the canal in Murphy Lake that remained hydrilla-free as it had in 2001, but hydrilla failed to reappear in the same dense-hydrilla habitats that I sampled in 2001. As a consequence, I relocated my sampling locations to hydrilla beds located in D.O.E. canal, which is approximately 24 km from Murphy Lake. Hydrilla densities in this canal were similar to the high-density areas sampled in 2001. In Henderson Lake, hydrilla failed to appear at my sampling sites until late July. The 2002 fall drawdown delayed the re-growth of hydrilla, and allowed me to evaluate the effects of drawdown-related differences in hydrilla densities on age-0 bass food habits and growth.

<u>Fish Collection</u>

Sampling began during bass spawning in April and continued throughout the first growing season. At each site, I measured depth (m) and Secchi disk depth (cm) and recorded water temperature (C°), dissolved oxygen (mg/l), pH, and specific conductance (μmhos/cm) with a Model SVR3-DL Surveyor 3 Hydrolab®. I used either Model GPP-7.5 Smith Root® or Model VVP-15 Cofelt® electrofishing units with boat-mounted or hand-held probes to collect age-0 largemouth bass. Care was taken to net the first twenty to thirty age-0 bass to eliminate size-biased sampling in the different habitats, and all bass were immediately placed on ice to prevent digestion. Percent hydrilla coverage was assessed visually at fish sampling locations, and was categorized as high (>75%), intermediate (25-75%), or low (<25%).

Laboratory

In the laboratory, I measured all fish to the nearest 0.1 mm total length (TL), weighed them to the nearest 0.1 g (wet weight), and placed them in 95% ethanol for storage. The allozyme IDH (isocitrate dehydrogenase E.C.1.1.1.41) was extracted from the caudal fin of the age-0 bass to verify species (largemouth vs. spotted) and subspecies of largemouth bass. Tissue was ground and the resulting slurry centrifuged at 3000rpm to separate the isozymes from cellular debris. The supernatant from the bass and known standards were evaluated with techniques described by Shaw and Parshad (1970), and gels were scored using with techniques described by Philipp et al. (1982) and Kassler et al. (In press).

To compare diets of like-sized individuals, age-0 bass were separated into size classes depending on the type of analyses. I subsequently dissected the stomach from the mouth to insertion of the pyloric caecae, removed the stomach contents, and identified all prey to the lowest practical taxonomic level, usually family. If the prey item was intact, I recorded a wet weight to the nearest 0.01 g. To determine daily growth increments, I removed and counted daily rings on the sagittal otoliths with procedures outlined in (Miller and Storck 1982). Estimated ages were confirmed by a second count of daily rings by a second investigator.

DATA ANALYSIS

Quantitative Description of Stomach Contents

Frequency of Occurrence. To determine the extent to which age-0 bass ate a particular prey type, I recorded a cumulative list of the food items found in the stomachs of all fish. I then calculated the percentage of age-0 bass that contained one or more individuals of a specific food type as the frequency of occurrence for that prey.

Percent Composition by Number. I also counted the total number of food items in each stomach. From these data I determined the total number of a given food type expressed as a percentage of the total number of all food items counted from that stomach, reported as the percent composition by number.

Percent Composition by Weight. Because abundance alone fails to show the dietary importance of different prey types, I used mean values of percent composition by number with estimates of prey weight to determine percent composition by weight. I recorded wet weights of each food type and expressed them as a percentage of the total weight of ingested food for an individual fish to further investigate the importance of a particular food type. Some weights were recorded in the laboratory, whereas others were taken from the literature (Hartman and Brandt, 1995; Cummins and Wuycheck 1971). In cases where prey items were partially ingested, I estimated the weights of these prey from weights of non-digested prey found in stomachs of similar-sized bass.

Comparison of Preferred Diet

Stomach content data were not normally distributed, and transformation of these data failed to improve normality. Therefore I used nonparametric statistical techniques including contingency tables and the Chi-square statistic to test for differences in the proportion of age-0 bass that had consumed a specific prey type among hydrilla densities, and between Henderson Lake and the lower Basin. The significance of these multiple Chi-square tests was assessed with a sequential Bonferroni test (Dunn-Sidek method) to maintain the experimentwise error rate at α=0.05 (Sokal and Rohlf 1995). Spearman Rank Correlation (Fritz 1974) was also used for comparative analysis of total diets of age-0 largemouth bass in different hydrilla densities or between Henderson Lake (drawdown) and the lower Basin (no drawdown).

I used percent occurrence of fish in bass stomachs to estimate the sizes at which piscivory developed in bass from different habitats. The size at which age-0 bass became piscivorous was defined as the size at which fish remains were identified in 60% of stomachs containing any food (Bettoli et al. 1992). I used logistic regression (PROC LOGISTIC, SAS Institute Inc. 1991) to examine the probability of finding a fish in the stomach of a bass based on hydrilla density or the occurrence of a drawdown.

Age-0 Bass Growth

I used length frequency data to assess hydrilla and drawdown effects on age-0 largemouth bass growth. I plotted length frequencies as a percentage of individuals in the 0-30, 31-60, 61-90, and over 90-mm TL length classes, and

used Chi-square analyses to test differences in the number of "large" (>60- mm TL) age-0 bass among hydrilla densities or between Henderson Lake and the lower Basin by the end of the first year of growth (August). Lengths and weights of all age-0 bass in August were not normally distributed, so I tested for differences in age-0 bass lengths and weights among hydrilla densities, and between Henderson Lake and the lower Basin, with a Wilcoxon two-sample test (PROC NPAR1WAY, SAS Institute Inc. 1991). I used otolith daily ring counts to determine length at age for individuals less than 80 days, and then investigated growth rates of these individuals by regressing length (ordinate) against age (abscissa). Differences in slopes and intercepts of the length at age regressions among hydrilla densities, and between Henderson Lake and the lower Basin, were tested with analysis of covariance (ANCOVA). All statistical analyses were completed with the SAS statistical package (SAS Institute Inc. 1991), with significance assessed at α=0.05.

RESULTS

Stomach contents were examined from 1090 age-0 largemouth bass collected from Henderson Lake (n=561) and the lower Basin (n=529). A total of 26,440 food items representing 39 different prey types (14 vertebrate, 25 invertebrate) were found in bass stomachs (Table 1), which were pooled for analyses into nine major categories: zooplankton, non-zooplankton Crustacea, Ephemeroptera, Diptera, Hemiptera, Odonata, Amphipoda, miscellaneous insects, and fish.

Diets changed substantially with bass size throughout the first growing season (Figure 1), with the most pronounced diet shift occurring in bass 31-60 mm total length (TL). Above 60 mm TL, the majority of bass fed on fish or crustaceans, whereas the diet of bass below 31 mm TL was composed primarily of zooplankton, crustaceans, and ephemeropterans. Zooplankton was particularly important in the diet of bass below 31 mm TL, but made up only a minor portion of the diet of larger fish.

Age-0 Bass Food Habits

Food Habits: Pre- vs. Post-Hydrilla Infestation. Comparison of the importance of fishes, crustaceans, and insects in age-0 bass diets from recent (post-hydrilla infestation) and historic collections (pre-hydrilla; Levine 1977) were limited to counts of prey items in stomachs of fish less than 80 mm TL, as seine collections in the earlier study yielded few larger fish. Chi-square analyses indicated that diets of age-0 bass before and after hydrilla infestation were significantly different (x^2= 19.54, d.f.= 1,1, P < 0.0001). In terms of frequency of

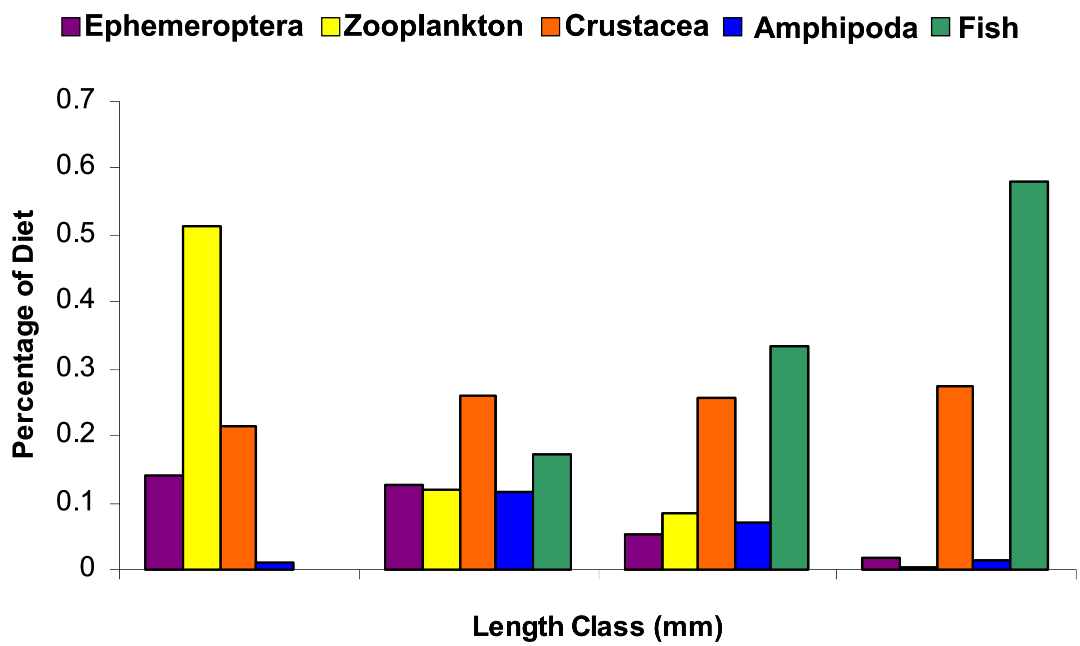

Figure 1. Taxonomic composition (mean percent composition by weight) of the diet of age-0 bass in 2001-2002 for the five most important prey groups in the Atchafalaya Basin. Ephemeroptera include all Baetidae and Caenidae. Zooplankton include all Cladocera, Copepoda, and Ostracoda. Crustacea include all Decapoda, Isopoda, and Mysidacea. Fish include all Aphredoderidae, Atherinidae, Centrarchidae, Clupeidae, Cyprinidae, Elassomatidae, Fundulidae, Ictaluridae, Percidae, Poeciliidae, and unknown.

Table 1. Prey items found in the stomachs of age-0 largemouth bass in the Atchafalaya Basin, 2001-2002.

Amphipoda	**Fishes**	**Hemiptera**
	Aphredoderidae	Corixidae
Crustacea	*Aphredoderus sayanus*	Gerridae
Decapoda	Atherinidae	Unknown Hemiptera
Palaemonetes	Centrarchidae	
Cambaridae	*Micropterus salmoides*	**Miscellaneous**
Isopoda	*Lepomis spp.*	Coleoptera
Mysidaea	*Pomoxis spp.*	Hymenoptera
Taphromysis louisianae	Clupeidae	Unknown Insecta
	Cyprinidae	Orthoptera
Diptera	Elassomatidae	Trichoptera
Chironomidae	*Elassoma zonatum*	
Diptera Adult	Fundulidae	**Odonata**
Diptera Pupae	Ictaluridae	Anisoptera
	Percidae	Zygoptera
Ephemeroptera	Etheostoma	
Baetidae	Poeciliidae	**Zooplankton**
Caenidae	*Gambusia affinis*	Argulus
Unknown Ephemeroptera	Sciaenidae	Cladocera
	Aplodinotus grunniens	Copepoda
	Unknown	Ostracoda

occurrence, insects were the most frequently eaten prey under pre-hydrilla conditions (78.2%), whereas crustaceans (80.2%) dominated the diet of same-sized fish from my collections (Table 2). However, crustaceans still comprised the highest proportion of ingested prey by number during both periods. Fishes appeared to comprise a slightly smaller portion of the diet of age-0 bass before hydrilla infestation (12.4%) relative to current conditions (17.4%).

Food Habits: Effects of Hydrilla Coverage. Fish collections yielded 639, 169, and 282 age-0 bass from low-, intermediate-, and high-density hydrilla beds, respectively (Table 3). For bass >60 mm TL, the average number of prey per stomach collected in low, intermediate, and high density hydrilla beds was 14.65, 9.57, and 7.75, respectively. A similar trend was evident for bass ≤ 60 mm TL, as mean numbers of prey per bass stomach increased from 28.78 in high-density hydrilla beds to 111.34 in intermediate density beds, declining to 44.61 prey per bass stomach in low-density beds (Table 3).

As expected, the diets of bass ≤ 60 mm TL were dominated numerically by zooplankton (30.5-76.5%), although all prey categories except fish, hemipterans, and miscellaneous insects contributed over 15% of the diet by weight in at least one hydrilla density (Table 3). Diets of bass > 60 mm TL were more diverse taxonomically, with no single prey category comprising more than 38.8% of the diet by number, but fishes and crustaceans comprised at least 60% of the diet by weight in all habitats. The proportion of ephemeropterans in the diet by weight was three to four times higher in smaller bass relative to larger individuals, although dietary percentages in the smaller fish were similar among

Table 2. Major food groups of age-0 largemouth bass sampled from the Atchafalaya Basin between 1973 and 1976 (before hydrilla infestation) compared to age-0 largemouth bass sampled during 2001-2002 (after hydrilla infestation). All fish were less than 80 mm total length.

Before hydrilla infestation, n=780					After hydrilla infestation, n=258				
Taxon	No. fish with item	Freq of occurr	No. of prey	% by number	Taxon	No. fish with item	Freq of occurr	No. of prey	% by number
Crustacea	278	40.7	3646	55.90	Crustacea	207	80.2	3629	69.3
Insecta	534	78.2	2812	42.90	Insecta	127	49.2	543	21.7
Fish	85	12.4	94	1.40	Fish	45	17.4	68	8.9
			6552					4240	

Table 3. Effect of hydrilla coverage on diets of age-0 largemouth bass from the Atchafalaya River Basin, Louisiana, 2001-2002. "High" is over 75% hydrilla coverage, "intermediate" is from 25% to 75% hydrilla coverage, and "low" is less than 25% hydrilla coverage. Ephem = Ephemeroptera, Odon = Odonata, Zoop = Zooplankton, Crust = Crustacea, Hemip = Hemiptera, Dipt = Diptera, Amph = Amphipoda, Insect = miscellaneous. insect.

	Bass ≤ 60- mm TL						Bass > 60- mm TL				
	High, n = 49						High, n = 233				
Prey	No. of fish with item	Freq of occurr	No. of prey	Mean % by no.	Mean % by weight	Prey	No. of fish with item	Freq of occurr	No. of prey	Mean % by no.	Mean % by weight
Ephem	21	42.9	65	15.0	17.4	Ephem	23	9.9	62	5.5	4.3
Odon	14	28.6	34	10.1	17.1	Odon	29	12.4	59	10.7	11.9
Zoop	26	53.1	976	30.5	10.6	Zoop	31	13.3	519	9.8	4.1
Fish	1	2.0	7	1.0	1.4	Fish	58	24.9	79	24.1	31.1
Crust	17	34.7	103	16.7	19.0	Crust	64	27.5	763	29.0	30.7
Hemip	7	14.3	7	1.3	1.8	Hemip	13	5.6	85	4.8	4.3
Dipt	13	26.5	57	3.4	3.6	Dipt	22	9.4	94	4.4	5.2
Amph	24	49.0	161	22.0	28.3	Amph	29	12.4	125	8.4	6.8
Insect	0	0.0	0	0.0	0.0	Insect	9	3.9	21	2.7	1.6
Total			1410			Total			1807		
	Intermediate, n = 32						Intermediate, n = 137				
Ephem	14	43.8	31	5.1	15.2	Ephem	16	11.7	33	4.1	5.0
Odon	1	3.1	1	0.0	0.4	Odon	20	14.6	63	8.1	12.2
Zoop	29	90.6	3345	76.5	38.2	Zoop	28	20.4	930	16.8	7.0
Fish	2	6.3	4	0.5	5.6	Fish	52	38.0	66	37.2	45.4
Crust	3	9.4	4	0.9	2.2	Crust	25	18.2	33	14.3	15.5
Hemip	3	9.4	10	1.1	1.1	Hemip	15	10.9	69	8.4	5.5
Dipt	21	65.6	129	12.2	18.0	Dipt	19	13.9	37	4.9	3.5
Amph	8	25.0	32	3.0	15.5	Amph	15	10.9	76	4.7	5.7
Insect	1	3.1	7	0.8	3.9	Insect	4	2.9	4	1.0	0.2
Total			3563			Total			1311		
	Low, n = 300						Low, n = 339				
Ephem	99	32.7	255	6.7	12.1	Ephem	32	9.4	77	3.2	3.2
Odon	18	5.7	37	0.6	2.6	Odon	14	4.1	19	0.5	1.8
Zoop	219	72.7	11453	55.3	24.2	Zoop	60	17.7	3639	17.3	5.3
Fish	52	17.0	105	4.4	14.8	Fish	153	45.1	239	38.8	49.9
Crust	129	42.7	581	22.4	28.2	Crust	106	31.2	518	29.0	28.1
Hemip	60	19.7	172	3.6	7.1	Hemip	27	8.0	66	4.2	1.8
Dipt	76	25.0	457	5.0	4.9	Dipt	50	14.7	265	4.0	4.5
Amph	39	12.7	312	1.9	4.6	Amph	25	7.4	120	1.5	3.4
Insect	8	2.3	10	0.2	1.5	Insect	14	4.1	24	1.5	2.1
Total			13382			Total			4967		

hydrilla densities. In contrast, fish prey constituted a much higher proportion of the diet in larger bass, and both bass size classes exhibited increasing levels of piscivory as hydrilla levels decreased (Table 3).

Chi-square analyses indicated that the numbers of fish and odonates in stomachs of age-0 bass > 60 mm TL differed significantly among hydrilla densities (Table 4). Similarly, the numbers of fish, crustaceans, dipterans, zooplankton, odonates, and amphipods in stomachs of age-0 bass $\leq$ 60 mm TL also varied significantly with hydrilla density. Fish were found in significantly higher numbers than expected in bass from both size classes collected in low-density hydrilla beds (Table 4).

In terms of composition by weight, the predominate prey in the diet of age-0 bass in low-density hydrilla beds changed from zooplankton (0-20 mm TL) to crustaceans (21-40 mm TL), and then increasingly to fish as bass increased in size beyond 40 mm TL (Figure 2). In high-density hydrilla beds, ephemeropterans, ostracods, amphipods and other crustaceans dominated the diet of all bass below 80- mm TL, with the diets of larger fish resembling those of bass collected in low hydrilla densities. Spearman rank correlation coefficients r_s for food items ranked by percent weight for age-0 bass collected in low and high hydrilla densities were not significant ($P > 0.05$) for fish >60 mm TL ($r_s = 0.45$) or $\leq$ 60 mm TL ($r_s = 0.58$), indicating that hydrilla density had significant affects on diet composition.

Food Habits: Effect of Drawdown. Age-0 bass >60 mm TL from Henderson Lake (drawdown) had 73% more prey items in their diets than bass in

Table 4. Chi-square analyses of the differences in the number of food items in the stomachs of age-0 largemouth bass that contained food in areas of "high", "intermediate", and "low" hydrilla densities in the Atchafalaya Basin. Data presented are observed and expected (in parentheses) numbers of prey items. Crust = Crustacea, Ephem = Ephemeroptera, Dipt = Diptera, Hemip = Hemiptera, Zoop = Zooplankton, Odon = Odonata, Amph = Amphipoda, Insect = miscellaneous insect.

Bass ≤ 60 mm TL, n=368						Bass > 60 mm TL, n=554					
Prey	High	Inter	Low	X^2	*P*	Prey	High	Inter	Low	X^2	*P*
Fish	1(7)	2(5)	52(43)	9.6	0.0082	Fish	58(82)	52(51)	153(130)	21.6	<0.0001
Crust	17(19)	3(13)	129(118)	14.2	0.0008	Crust	64(61)	25(38)	106(96)	8.7	0.0129
Ephem	21(17)	14(11)	99(106)	3.4	0.1791	Ephem	23(22)	16(14)	32(35)	0.7	0.7
Dipt	13(14)	21(9)	76(87)	23.2	0.0001	Dipt	22(28)	19(18)	50(45)	2.6	0.279
Hemi	7(9)	3(6)	60(55)	2.7	0.263	Hemi	13(17)	15(11)	27(27)	3.0	0.221
Zoop	26(34)	29(23)	219(217)	13.8	0.001	Zoop	31(37)	28(23)	60(59)	2.6	0.2716
Odon	14(4)	1(2.78)	18(26)	30.0	0.0001	Odon	29(20)	20(12)	14(31)	21.0	<0.0001
Amph	24(9)	8(6)	39(56)	39.3	0.0001	Amph	29(22)	15(13)	25(34)	5.9	0.0531
Insect	0(1)	1(5)	8(7)	1.3	0.5105	Insect	9(8)	4(5)	4(5)	0.4	0.82

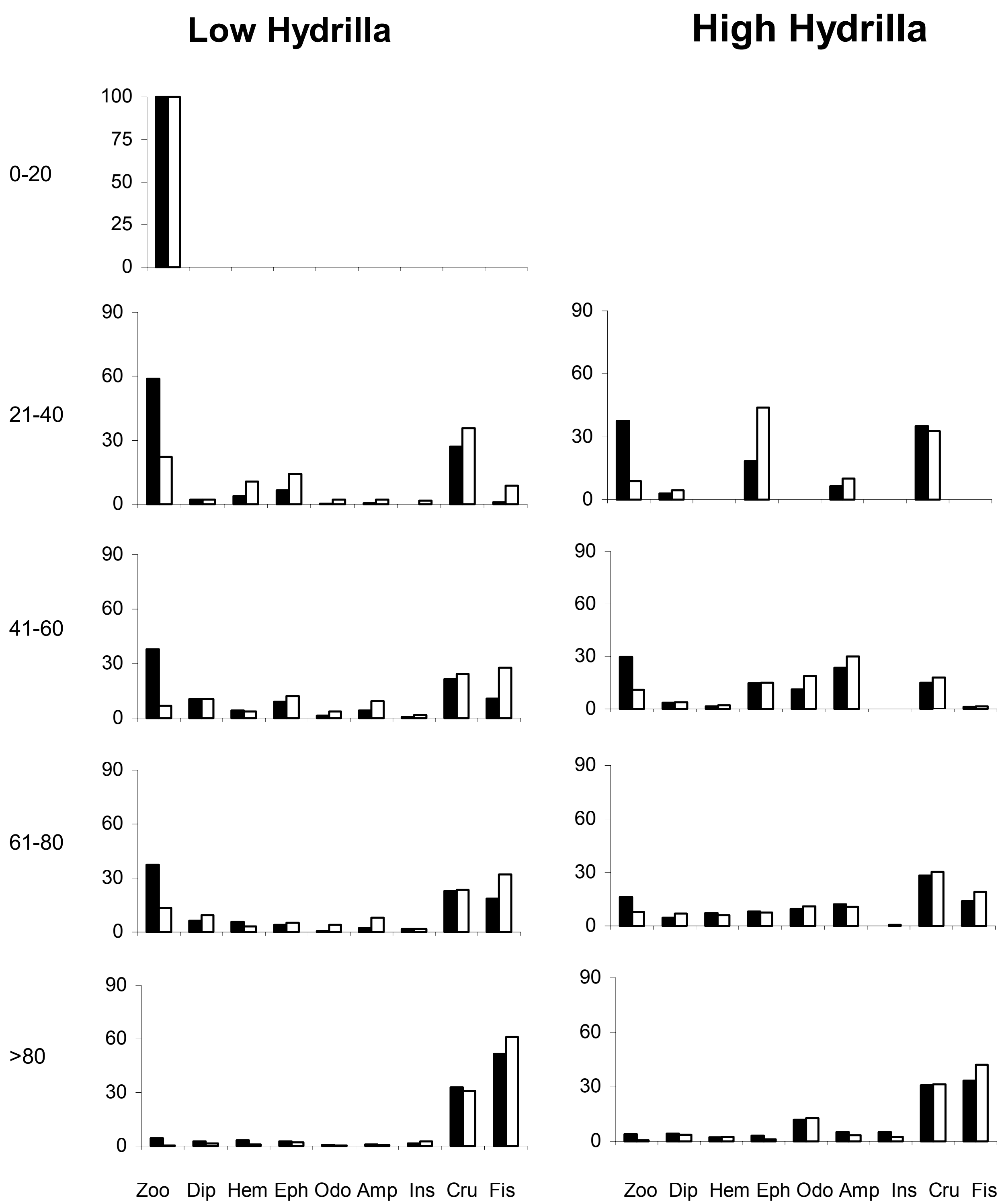

Figure 2. Comparison of changes in the number of prey items eaten (% by number, black columns) and weight of prey items (% by weight, white columns) for 5- size classes (in mm) of age-0 largemouth bass in areas of high (>75%) and low (<25%) hydrilla densities in the Atchafalaya Basin during 2001-2002. Zoo = Zooplankton, Dip = Diptera, Hem = Hemiptera, Eph = Ephemeroptera, Odo = Odonata, Amp = Amphipoda, Ins = Insecta, Cru = Crustacea, Fis = Fishes.

the lower Basin (no drawdown) (Table 5). Crustaceans and fish dominated the stomach contents of age-0 largemouth bass in the lower Basin, whereas age-0 bass in Henderson Lake ate a more diverse diet that included a large number of zooplankton (Table 5).

Chi-square analysis indicated that the proportions of every prey taxon in the diet of age-0 bass > 60 mm TL varied significantly between Henderson Lake and the lower Basin, with higher numbers of ephemeropterans, dipterans, zooplankton, odonates, and amphipods than expected, and lower numbers of fish, crustaceans, and hemipterans than expected in fish collected in Henderson Lake (Table 6). For age-0 bass $\leq$ 60 mm TL, analyses indicated significantly higher numbers of dipterans and amphipods than expected and significantly lower numbers of crustaceans, ephemeropterans, and hemipterans than expected in Henderson Lake (Table 6).

In terms of composition by weight, all size classes of age-0 bass fed heavily on zooplankton in Henderson Lake except >80 mm TL fish, whereas age-0 bass in the lower Basin switched from zooplankton to a predominantly crustacean diet after reaching 40 mm TL (Figure 3). Spearman rank correlation of food items ranked by percent weight for age-0 bass collected in Henderson Lake and the lower Basin were not significant ($P > 0.1$) for fish $\leq$ 60 mm TL (r_s = 0.07) or >60 mm TL (r_s = 0.45) indicating substantially different diets of both small and large bass collected from areas subject to, or not subject to, a drawdown.

Table 5. Diets of age-0 largemouth bass from Henderson Lake (drawdown) and the lower Basin (no drawdown). All bass were > 60 mm TL. Ephem = Ephemeroptera, Odon = Odonata, Zoop = Zooplankton, Crust = Crustacea, Hemip = Hemiptera, Dipt = Diptera, Amph = Amphipoda, Insect = miscellaneous insects.

Lower Basin, n=353						Henderson Lake, n= 356					
Prey	No. of fish with item	Freq of occurr	# of prey	Mean % by no.	Mean % by weight	Prey	No. of fish with item	Freq of occurr	# of prey	Mean % by no.	Mean % by weight
Ephem	26	7.37	61	3.89	2.48	Ephem	45	12.64	111	4.32	5.26
Odon	7	1.98	16	1.00	0.99	Odon	56	15.73	125	9.27	12.89
Zoop	10	2.83	32	1.30	0.01	Zoop	109	30.62	5056	28.22	10.45
Fish	143	4.05	193	39.10	46.81	Fish	120	33.71	191	28.98	39.63
Crust	149	42.2	1208	43.50	42.14	Crust	46	12.92	106	9.38	10.82
Hemip	37	1.05	111	6.74	4.05	Hemip	18	5.06	109	3.63	2.54
Dipt	10	2.83	10	0.90	0.40	Dipt	81	22.75	386	7.72	8.58
Amph	11	3.12	78	2.41	1.70	Amph	58	16.29	243	6.12	8.05
Insect	6	1.7	10	1.20	1.41	Insect	21	5.99	39	2.36	1.78
			1719						6366		

Table 6. Chi-square analyses of the differences in the number of food items in the stomachs of age-0 largemouth bass that contained food in Henderson Lake (drawdown) and the lower basin (no drawdown) areas of the Atchafalaya Basin. Data presented are observed and expected (in parentheses) number of prey items. Crust = Crustacea, Ephem = Ephemeroptera, Dipt = Diptera, Hemip = Hemiptera, Zoop = Zooplankton, Odon = Odonata, Amph = Amphipoda, Insect = miscellaneous insect.

Bass ≤ 60 mm TL, n=368					Bass > 60 mm TL, n=554				
Prey	Henderson	L. Basin	X^2	*P*	Prey	Henderson	L. Basin	X^2	*P*
Fish	34(29)	20(25)	2.0	0.1628	Fish	120(132)	143(131)	4.5	0.0341
Crust	66(80)	82(68)	9.3	0.0023	Crust	46(98)	149(97)	86.3	<.0001
Ephem	49(72)	84(61)	25.4	0.0001	Ephem	45(36)	26(35)	5.5	0.0188
Dipt	94(59)	15(50)	64.0	0.0001	Dipt	81(46)	10(45)	65.1	<.0001
Hemi	20(37)	49(32)	21.8	0.0001	Hemi	18(28)	37(27)	7.6	0.0059
Zoop	153(148)	120(125)	1.4	0.2329	Zoop	109(60)	10(59)	103.1	<.0001
Odon	19(17)	13(15)	0.4	0.5404	Odon	56(32)	7(31)	42.2	<.0001
Amph	58(38)	20(32)	10.3	0.0013	Amph	58(35)	11(34)	35.8	<.0001
Insect	7(4)	1(4)	3.7	0.0561	Insect	21(14)	6(13)	8.5	0.0035

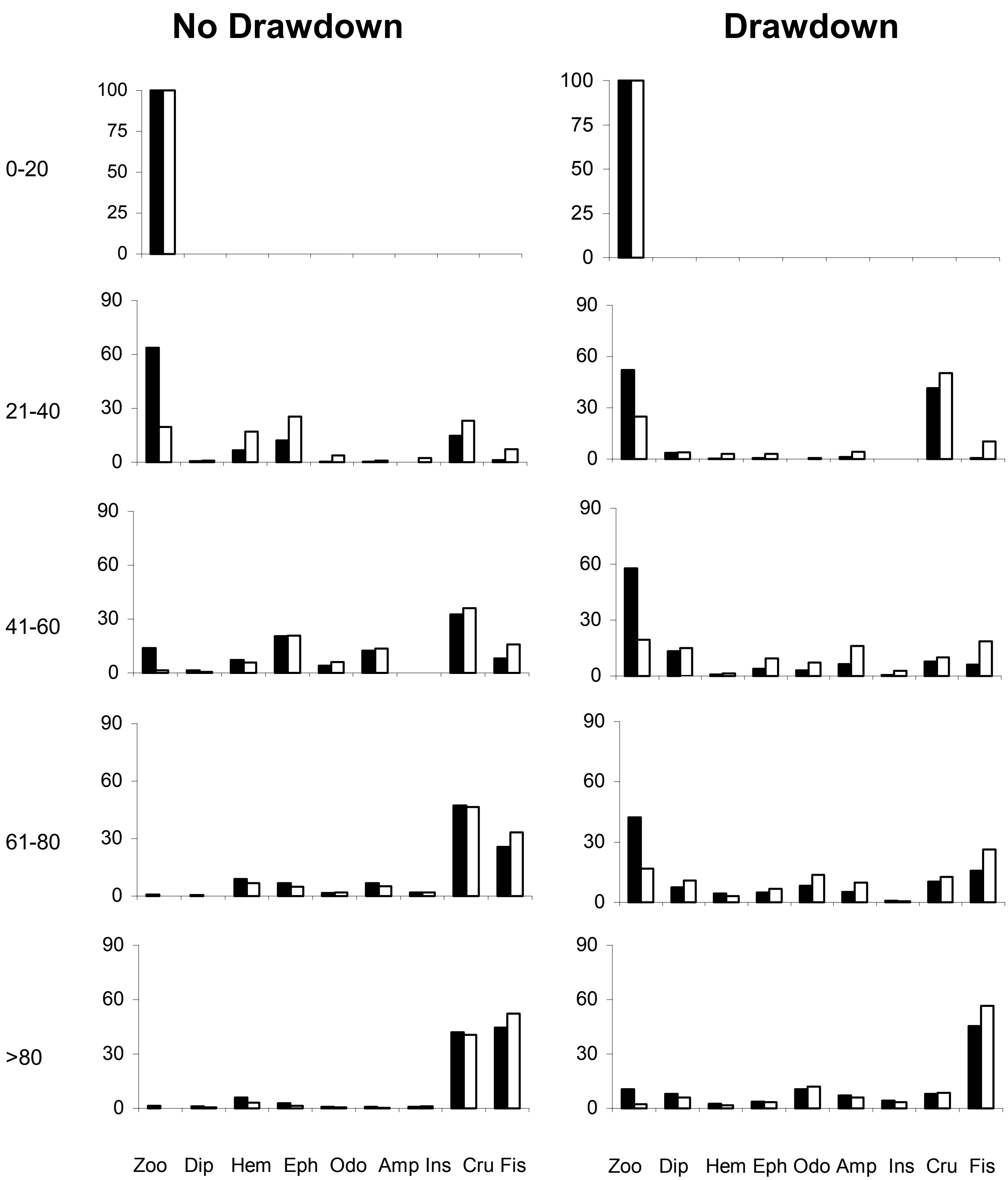

Figure 3. Comparison of changes in the number of prey items eaten (% by number, black columns) and weight of prey items (% by weight, white columns) for 5- size classes (in mm) of age-0 largemouth bass in Henderson Lake (drawdown) and the lower Atchafalaya Basin (no drawdown) 2001-2002. Zoo = Zooplankton, Dip = Diptera, Hem = Hemiptera, Eph = Ephemeroptera, Odo = Odonata, Amp = Amphipoda, Ins = Insecta, Cru = Crustacea, Fis = Fishes.

Food Habits: Effect of Drawdown Year. Henderson Lake in 2001 had substantially more hydrilla coverage than in 2002, providing an opportunity to examine diet differences in the same area under extremely different habitat conditions. Although age-0 bass >60 mm TL from both years ate a diverse diet, bass collected in 2002 had almost 40% more prey items in their stomachs. Half of the age-0 largemouth bass collected in 2002 consumed fish, whereas only 32% of age-0 largemouth bass in 2001 had fish in their stomachs (Table 7).

Chi square analysis for age-0 bass > 60 mm TL indicated that dipterans and amphipods were found in significantly higher numbers than expected in 2002 (Table 8). Results for age-0 bass $\leq$ 60 mm TL indicated significantly higher numbers of fish and zooplankton in the diet, and significantly lower numbers of crustaceans than expected in 2002.

In terms of percent by weight, age-0 bass in Henderson during 2001 switched from a predominately zooplankton-crustacean diet at 21-40 mm TL to a more diverse diet at larger sizes with increasing dependence on fish prey (Figure 4). In contrast, age-0 bass in 2002 ate mostly zooplankton and fish at 21-40 mm TL, with fish again increasing in importance at larger sizes, and dominating the diet of individuals over 80 mm TL (Figure 4). Spearman rank correlation coefficients (r_s) for food items ranked by percent weight for Henderson Lake bass in 2001 and 2002 were 0.4538 (bass $\leq$ 60 mm TL) and 0.06667 (>60 mm TL) and were not significant (P > 0.05), indicating substantial differences in the diets of bass collected after the second year of a drawdown, and again from habitats differing in hydrilla coverage.

Table 7. Diets of age-0 largemouth bass from Henderson Lake (drawdown) in 2001and 2002. All Bass were > 60 mm TL. Ephem = Ephemeroptera, Odon = Odonata, Zoop = Zooplankton, Crust = Crustacea, Hemip = Hemiptera, Dipt = Diptera, Amph = Amphipoda, Insect = miscellaneous insect.

2001, n=219						2002, n=137					
Prey	No. of fish with item	Freq of occurr	# of prey	Mean % by no.	Mean % by weight	Prey	No. of fish with item	Freq of occurr	# of prey	Mean % by no.	Mean % by weight
Ephem	29	0.1324	78	0.0525	0.059	Ephem	16	0.1168	33	0.0285	0.043
Odon	41	0.1872	96	0.1285	0.161	Odon	15	0.1095	29	0.0359	0.080
Zoop	58	0.2648	1769	0.2326	0.098	Zoop	51	0.3723	3287	0.3607	0.115
Fish	69	0.3151	88	0.2881	0.381	Fish	51	0.5036	103	0.2925	0.420
Crust	27	0.1233	76	0.0832	0.103	Crust	19	0.1971	30	0.1106	0.116
Hemip	13	0.0594	65	0.0452	0.040	Hemip	5	0.0949	44	0.0222	0.003
Dipt	37	0.1689	159	0.0757	0.089	Dipt	44	0.2701	227	0.0795	0.081
Amph	25	0.1142	57	0.0589	0.048	Amph	33	0.1825	186	0.065	0.131
Insect	14	0.0639	30	0.0353	0.022	Insect	7	0.1022	9	0.0051	0.011
			2418						3948		

Table 8. Chi-square analyses of the difference in number of food items in the stomachs of age-0 largemouth bass that contained food in Henderson Lake during 2001and 2002. Data presented are observed and expected (in parentheses) number of prey items. Crust = Crustacea, Ephem = Ephemeroptera, Dipt = Diptera, Hemip = Hemiptera, Zoop = Zooplankton, Odon = Odonata, Amph = Amphipoda, Insect = miscellaneous insect.

Bass ≤ 60 mm TL, n=199					Bass > 60 mm TL, n=279				
Prey	2001	2002	X^2	*P*	Prey	2001	2002	X^2	*P*
Fish	5(24)	29(10)	66.24	0.0001	Fish	69(74)	51(46)	1.28	0.2588
Crust	61(47)	5(19)	20.65	0.0001	Crust	27(28)	19(18)	0.16	0.6926
Ephem	31(35)	18(14)	2.37	0.1233	Ephem	29(28)	16(17)	0.23	0.6353
Dipt	65(68)	29(26)	0.65	0.4211	Dipt	37(50)	44(31)	11.72	0.0006
Hemi	17(14)	3(6)	1.90	0.1682	Hemi	13(11)	5(7)	0.97	0.3249
Zoop	101(110)	52(43)	11.19	0.0008	Zoop	58(67)	51(42)	4.92	0.0265
Odon	13(14)	6(5)	0.12	0.7260	Odon	41(34)	15(22)	4.20	0.0405
Amph	33(36)	17(14)	1.13	0.2870	Amph	25(36)	33(22)	10.21	0.0014
Insect	2(5)	5(2)	6.72	0.0095	Insect	14(13)	7(8)	0.28	0.5989

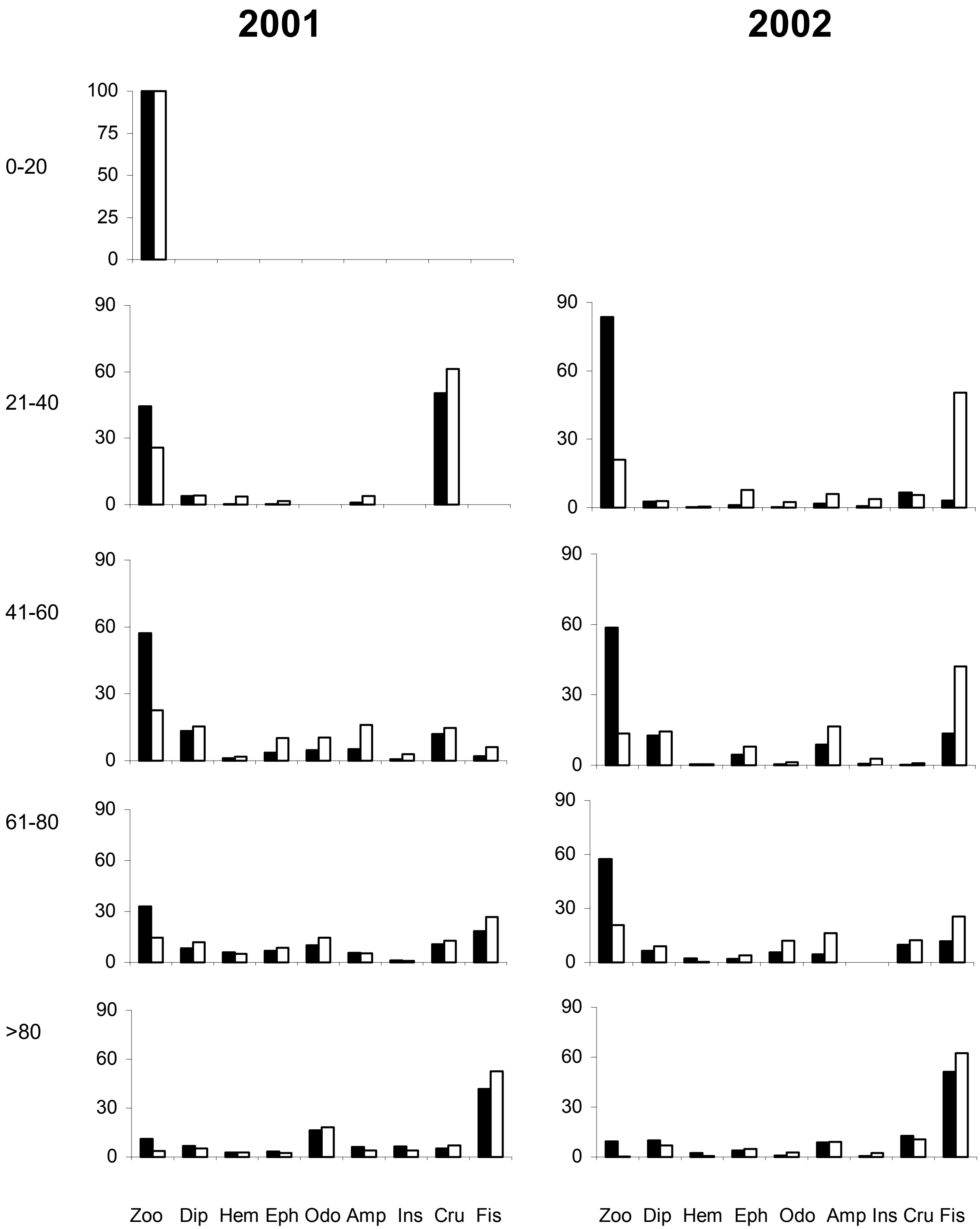

Figure 4. Comparison of changes in the number of prey items eaten (% by number, black columns) and weight of prey items (% by weight, white columns) for 5 size classes (in mm) of age-0 largemouth bass in Henderson Lake (drawdown) in 2001 and 2002.. Zoo = Zooplankton, Dip = Diptera, Hem = Hemiptera, Eph = Ephemeroptera, Odo = Odonata, Amp = Amphipoda, Ins = Insecta, Cru = Crustacea, Fis = Fishes.

Age-0 Bass Piscivory

Piscivory: Effects of Hydrilla Coverage. Unidentified fish remains accounted for 31.7 to 47.7% of the number of fish prey found in stomachs of age-0 largemouth bass (Table 9). Of those fishes that could be identified, shad was the most common species in bass found in low hydrilla densities, and mosquitofish was the most common species in bass collected in intermediate and high hydrilla densities. For all four bass length classes, piscivory increased as hydrilla coverage declined (Table 10). Bass inhabiting high-density hydrilla beds never became predominately piscivorous, whereas a majority of bass inhabiting intermediate- and low-density hydrilla beds became piscivorous when they reached the >90 mm TL length class. The frequency of piscivorous bass each month also illustrates differences in the dietary importance of fish in age-0 bass inhabiting areas if high and low hydrilla densities (Figure 5). Results of logistic regression revealed significant differences in the odds of finding a fish in the stomach of age-0 largemouth bass inhabiting high and low hydrilla coverage (Wald Chi-Square = 22.0153, $P<0.0001$). Fish prey were 3.2 times more likely to be found in an age-0 bass in areas of sparse hydrilla coverage.

Piscivory: Effect of Drawdown. The trend of increasing piscivory with decreasing hydrilla coverage was also evident from comparisons of bass food habits in Henderson Lake and the lower Basin. Age-0 bass from either area never became predominately piscivorous in high hydrilla densities, but piscivory was consistently higher in Henderson Lake compared to the lower Basin; 93% of age-0 bass > 90 mm TL inhabiting low hydrilla densities in Henderson Lake had

Table 9. Number of fish consumed by age-0 largemouth bass in the Atchafalaya River Basin by size class from 2001-2002 in areas of low, intermediate, and high hydrilla densities. Size classes are in mm TL, number of fish in each size class are in parentheses. Cypr = Cyprinidae, Scia = Sciaenidae, Athe = Atherinidae, Micr = Micropterus, Pomo = Pomoxis, Lepo = Lepomis, Gamb = Gambusia, Fund = Fundulus, Clup = Clupeidae, Icta = Ictaluridae, Aphr = Aphredoderidae, Ethe = Etheostoma, Elas = Elassomatidae, Unkn = Unknown.

	Low hydrilla density					Intermediate hydrilla density					High hydrilla density				
	Size Class					Size Class					Size Class				
	0-30	31-60	61-90	>90		0-30	31-60	61-90	>90		0-30	31-60	61-90	>90	
Prey	(110)	(190)	(187)	(152)	Total	(0)	(32)	(78)	(59)	Total	(0)	(49)	(150)	(83)	Total
Cypr	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
Scia	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0
Athe	0	0	4	13	17	0	0	1	3	4	0	0	4	3	7
Micr	0	2	2	0	4	0	0	0	0	0	0	0	2	0	2
Pomo	0	6	0	5	11	0	0	1	1	2	0	0	0	3	3
Lepo	0	0	3	4	7	0	0	0	0	0	0	1	1	2	4
Gamb	0	4	15	16	35	0	1	13	3	17	0	0	12	12	24
Fund	0	2	0	3	5	0	0	0	1	1	0	0	0	1	1
Clup	0	57	48	16	121	0	0	3	4	7	0	0	0	0	0
Icta	0	0	0	5	5	0	0	0	0	0	0	0	2	0	2
Aphr	0	0	1	3	4	0	0	0	0	0	0	0	0	0	0
Ethe	0	0	1	15	16	0	0	4	2	6	0	0	0	1	1
Elas	0	3	2	2	7	0	0	0	0	0	0	0	1	0	1
Unkn	1	30	41	37	109	0	3	9	20	32	0	6	21	14	41
Total	1	104	117	122	344	0	4	31	35	70	0	7	43	36	86

Table 10. Number of age-0 largemouth bass stomachs examined (n), the number of stomachs containing food (F), and the number of stomachs containing fish prey (FP), from collections in areas of low, intermediate, and high hydrilla densities in the Atchafalaya Basin in 2001 and 2002. %P by number = (FP/F)x100.

	High hydrilla density				Intermediate hydrilla density				Low hydrilla density			
Size Class (mm)	n	F	FP	%P	n	F	FP	%P	n	F	FP	%P
0-30	0	0	0	0	0	0	0	0	110	108	1	0.93
31-60	49	46	1	2.2	32	31	2	6.5	190	182	50	27.5
61-90	150	113	32	28.3	78	68	27	39.7	187	153	67	43.8
91+	83	60	26	43.3	59	40	25	62.5	152	120	86	71.7
Total	282	219	59		169	139	54		639	563	204	

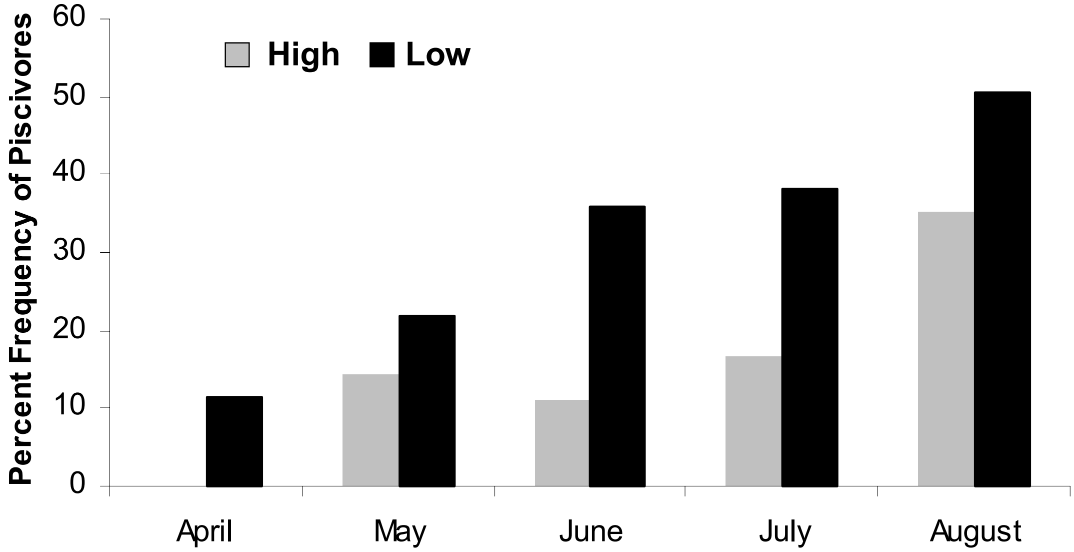

Figure 5. Frequency of piscivorous age-0 largemouth bass over time from the Atchafalaya Basin during 2001-2002 in areas of high and low hydrilla densities estimated as the proportion of bass stomachs that contained fishes.

fish in their diet (Table 11). There was a higher proportion of piscivorous age-0 bass in Henderson Lake through June, with the reverse trend apparent in July and August (Figure 6). However, results of logistic regression revealed no significant differences in the likelihood of finding a fish in the stomach of age-0 largemouth bass between Henderson Lake and the lower Basin (Wald Chi-Square = 1.49, P=0.2221).

Piscivory: Effect of Drawdown Year. The overall effect of increasing hydrilla density on age-0 bass piscivory was again apparent from comparisons of bass diets in Henderson Lake in 2001 and 2002 (Table 12). None of the age-0 bass below the >90 mm TL size class became predominately piscivorous in any hydrilla coverage. Whereas every age-0 bass >90 mm TL collected in 2002 had fish in their stomachs before hydrilla densities increased after the drawdown, piscivory went down by almost half after hydrilla increased to intermediate coverage later in the year (hydrilla densities never became high in 2002). The proportion of piscivorous individuals over time also showed a predominance of fish in bass diets early in 2002, with piscivory falling to levels more consistent with 2001 as hydrilla emerged during the year (Figure 7). Logistic regression revealed age-0 bass after a second drawdown had 2.6 times more of a possibility of eating a fish than age-0 bass after one drawdown (Wald Chi-square = 80.202, P < 0.0001).

Age-0 Bass Growth

Growth in relation to hydrilla infestation. Spring (May-July) length frequencies of age-0 bass grouped into 0-30, 31-60, 61-90, and >90 mm TL

Table 11. Number of age-0 largemouth bass stomachs examined (n), those containing food (F), and those containing fish prey (FP), based on collections in different densities of hydrilla in the Atchafalaya Basin from Henderson Lake (drawdown) and the lower basin (no drawdown). %P = (FP/F)x100.

	High hydrilla density				Intermediate hydrilla density				Low hydrilla density			
Size Class (mm)	n	F	FP	%P	n	F	FP	%P	n	F	FP	%P
Henderson Lake (drawdown)												
0-30	0	0	0	0	0	0	0	0	42	42	0	0
31-60	23	21	0	0	32	31	2	6.5	108	105	32	30.5
61-90	104	74	26	35.1	60	55	15	27.3	96	79	32	40.5
91+	45	34	18	52.9	33	22	15	68.2	18	15	14	93.3
Total	172	129	44		125	108	32		264	261	78	
Lower Basin (no drawdown)												
0-30	0	0	0	0	0	0	0	0	68	66	1	1.5
31-60	26	25	1	4	0	0	0	0	82	77	18	23.4
61-90	46	39	6	15.4	18	13	12	80	91	74	35	47.3
91+	38	36	8	30.8	26	18	10	55.6	134	105	71	67.6
Total	110	100	16		44	31	22		375	256	125	

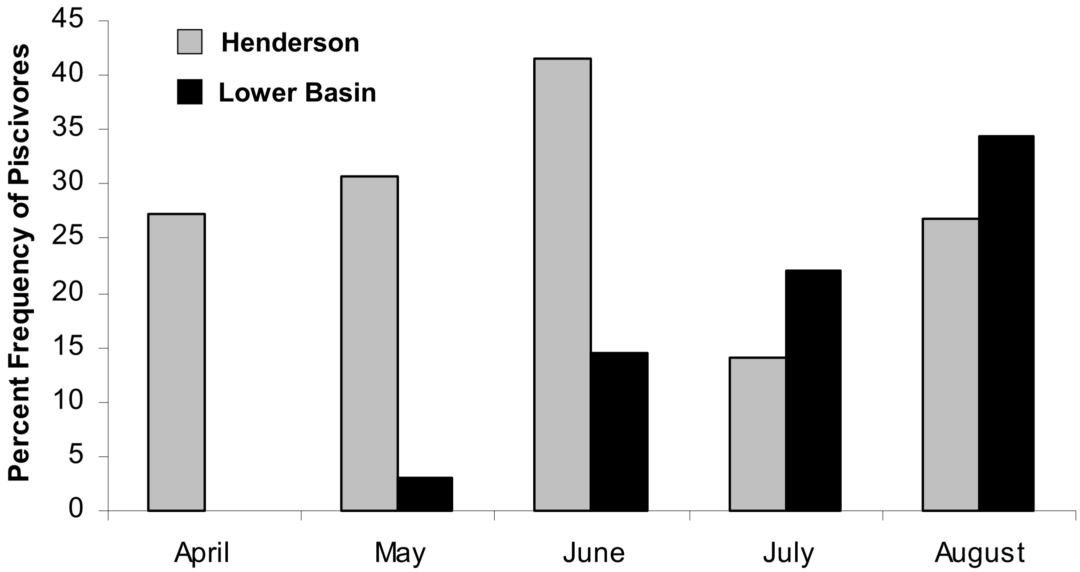

Figure 6. Frequency of piscivorous age-0 largemouth bass over time from the Atchafalaya Basin during 2001-2002 in Henderson Lake (drawdown) and the lower basin (no drawdown) estimated as the proportion of bass stomachs that contained fish.

Table 12. Number of age-0 largemouth bass stomachs examined (n), those containing food (F), and those containing fish prey (FP), based on collections from different densities of hydrilla in Henderson Lake after the drawdowns in 2001 and 2002. %P = (FP/F)x100.

	High hydrilla density				Intermediate hydrilla density				Low hydrilla density			
Size Class (mm)	n	F	FP	%P	n	F	FP	%P	n	F	FP	%P
Henderson Lake 2001												
0-30	0	0	0	0	0	0	0	0	42	42	0	0
31-60	23	21	0	0	28	28	1	3.6	52	52	4	7.7
61-90	104	74	26	35.1	25	23	6	26.1	32	29	10	34.5
91+	45	34	18	52.9	10	8	7	87.5	3	3	2	66.7
Total	172	129	44		63	59	14		129	126	16	
Henderson Lake 2002												
0-30					0	0	0	0	0	0	0	0
31-60					4	3	1	33.3	56	53	28	52.8
61-90					35	32	9	28.1	64	50	22	44
91+					23	14	8	57.1	15	12	12	100
Total					62	47	18		135	115	62	

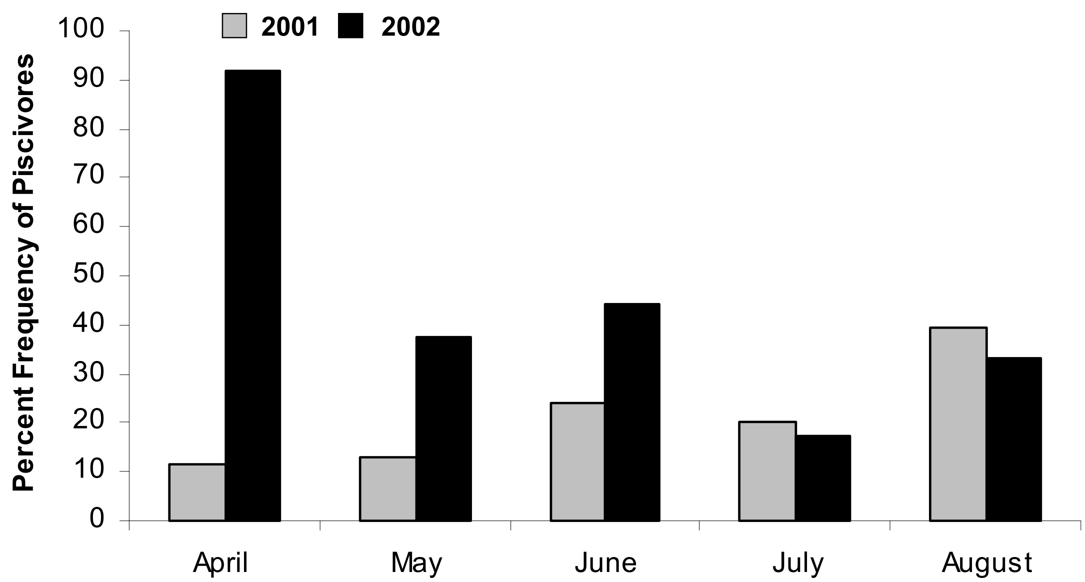

Figure 7. Frequency of piscivorous age-0 largemouth bass over time from the Atchafalaya Basin after the drawdowns in 2001 and 2002 estimated as the proportion of bass stomachs that contained fish.

length intervals revealed that 31-60 mm fish dominated collections of age-0 bass during the 1970s before hydrilla became abundant in the Basin (Figure 8). Length frequencies of age-0 bass in my collections were substantially different, with many more fish in the larger length classes during June and July. All age-0 bass collected in 2001 and 2002 were larger than 60 mm TL by July, whereas only 16% of age-0 bass collected in July during the 1970s had reached a length of 60 mm total length or larger (Figure 8).

Growth in relation to Hydrilla Coverage. Age-0 largemouth bass demonstrated consistent growth throughout the first summer in all levels of hydrilla coverage (Figure 9). However, Chi-square analyses indicated that there were significant differences in the numbers of age-0 bass in the 61-90 and >90 mm TL size classes collected in high- and low-density hydrilla beds in August (χ^2 = 21.24, d.f. = 1, *P* = <0.0001). Similarly, median total length and weight of age-0 bass was also significantly higher in low-density hydrilla beds in August (Table 13). In addition to differences in length, weight, and size composition of bass inhabiting high- and low-density hydrilla beds, comparisons of length-at-age also indicated a trend of increased growth of age-0 bass in areas of sparse hydrilla cover (Figure 10). However, there was considerable variability in these data, and analysis of covariance revealed no differences in slopes of the two regression lines ($F_{10,109}$ = 0.85, *P* = 0.5853). The hydrilla level mean square was significant ($F_{1,109}$ = 11.93, *P* <0.0011) however, the intercepts of the two lines are different.

Variation in Growth between Henderson Lake and the Lower Basin. Length frequency histograms revealed higher proportions of larger age-0 bass in

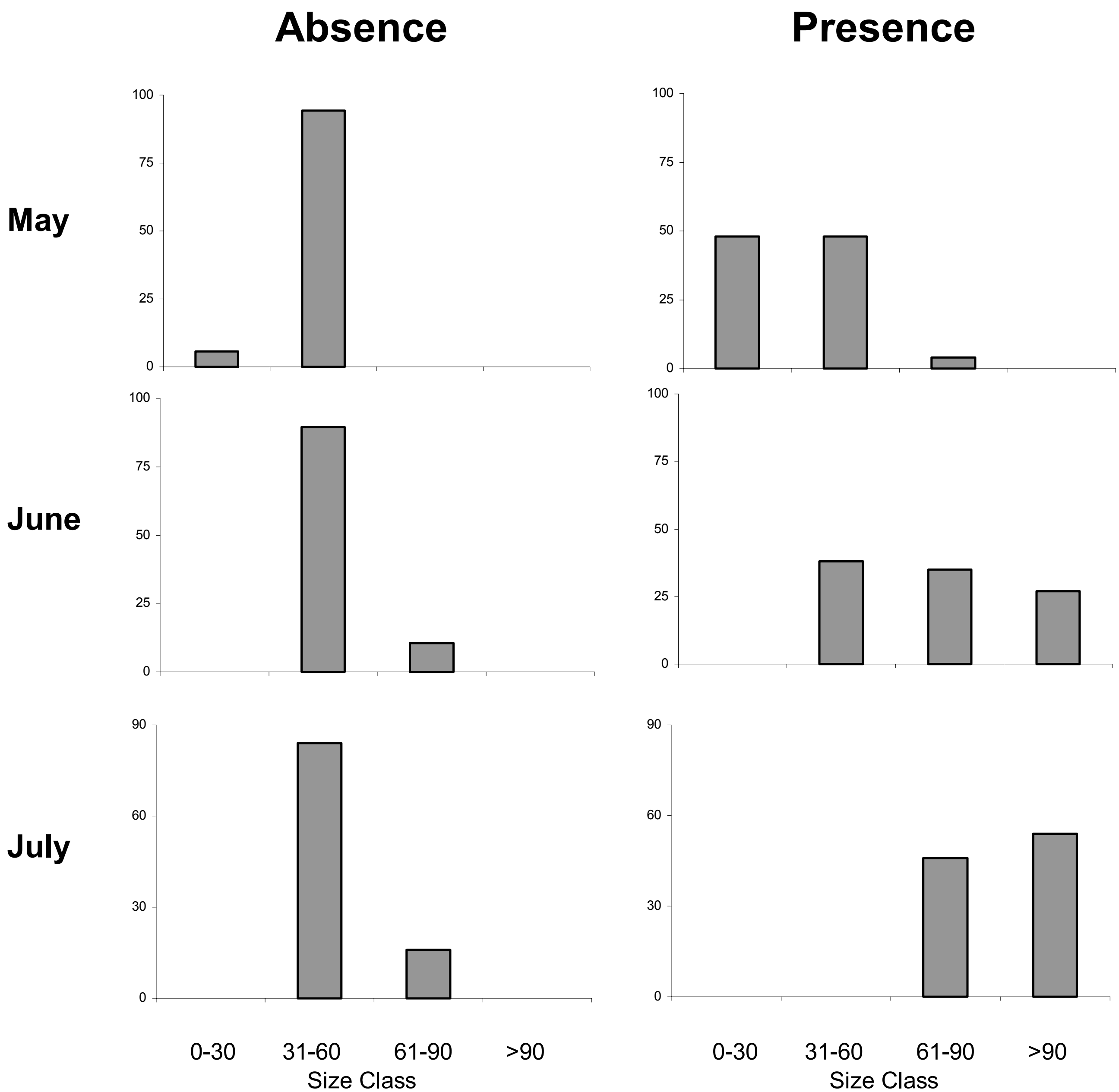

Figure 8. Length-frequency distributions of age-0 largemouth bass from the Atchafalaya Basin in the absence (mid-1970's) vs. presence (2001-2002) of hydrilla. Size classes are in mm.

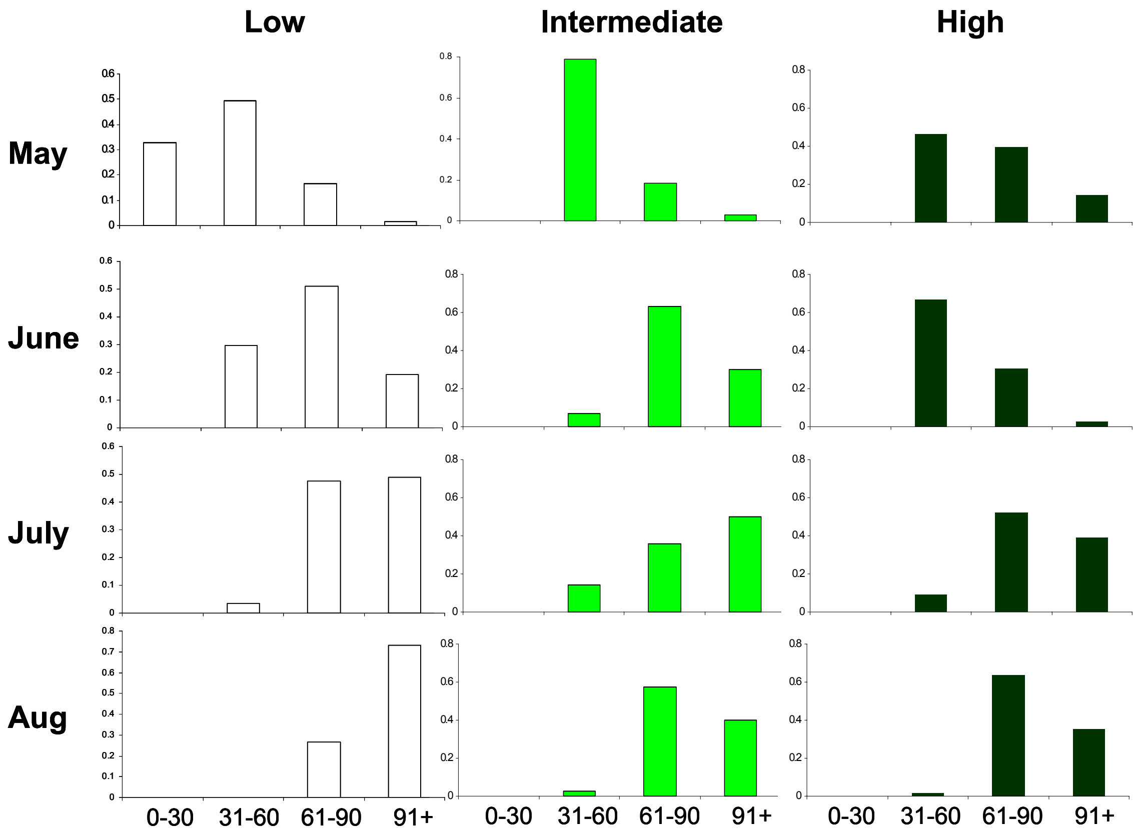

Figure 9. Length-frequency distributions of age-0 largemouth bass from the Atchafalaya Basin in areas of low, intermediate and high hydrilla densities in 2001-2002. Size classes are in mm.

Table 13. Differences in length (mm) and weight (g) of age-0 largemouth bass in August 2001 and 2002 in areas of high and low hydrilla densities in the Atchafalaya Basin. Data presented are number of fish (n), median length and weight, and 25th and 75th percentiles.

	High hydrilla				Low hydrilla					
	n	Median	25th	75th	n	Median	25th	75th	Z	P
Length	74	82	70	98	75	100	89	124	-5.24	0.0001
Weight	74	6.72	4.1	12.1	75	12.9	8.94	24.2	-5.41	0.0001

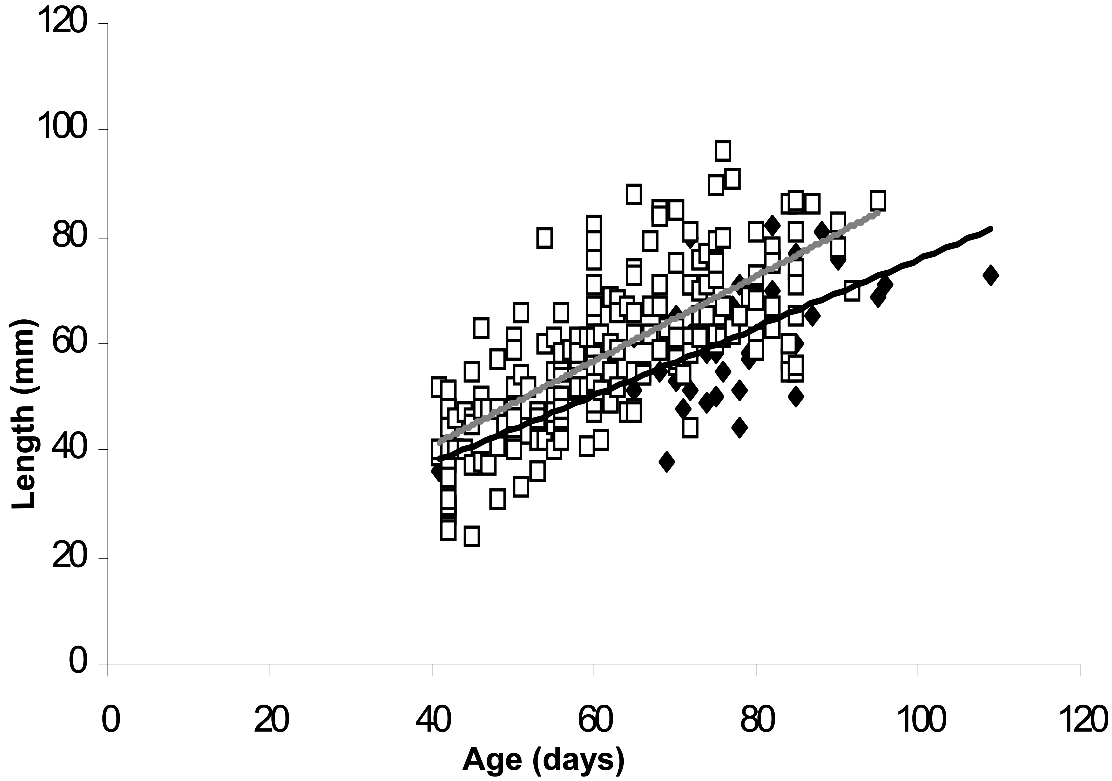

Figure 10. Regression analysis for change in length by age for age-0 largemouth bass from the Atchafalaya Basin in 2001 and 2002 in areas of low (<25% coverage; open squares, light line) and high (>75% coverage; closed diamonds, dark line) hydrilla densities.

areas not subject to a hydrilla-control drawdown (lower Basin; Figure 11). There was a much higher proportion of age-0 bass in the 31-60 mm TL length class in Henderson Lake in May, and although these fish grew into the 61-90 mm TL length class in June, this length class continued to dominate bass collections in July and August. In contrast, bass in the lower Basin continued to increase in length throughout the sampling period, with the > 90 mm TL size class containing over 60% of the fish collected in July and August (Figure 11). Chi-square analyses indicated that there were significant differences in the numbers of age-0 bass in the 61-90 and >90 mm TL size classes collected in high- and low-density hydrilla beds in August (χ^2 = 12.08, d.f. = 1, *P* = <0.0005). Median total length and weight of age-0 largemouth bass collected in August was significantly greater in the lower Basin (Table 14).

The plot of length by age for age-0 bass in Henderson Lake and the lower Basin indicates similar growth rates in both areas (Figure 12). Analysis of covariance indicated similar slopes for the age-length regressions of bass collected in the two areas ($F_{33,189}$ = 0.70, P = 0.8770), but the site mean square was significant ($F_{1, 189}$ = 6.44, P = 0.0128).

<u>Annual Variation in Bass Growth in Henderson Lake</u>. Length frequencies of age-0 bass collected from Henderson Lake in 2001 and 2002 were almost identical (Figure 13), and Chi-square analyses indicated that there were no significant differences in the numbers of age-0 bass in the 61-90 and >90 mm TL size classes in August between the two years (χ^2 = .2191, d.f. = 1, *P* = .6397). Median total lengths and weights of age-0 bass in August were also not

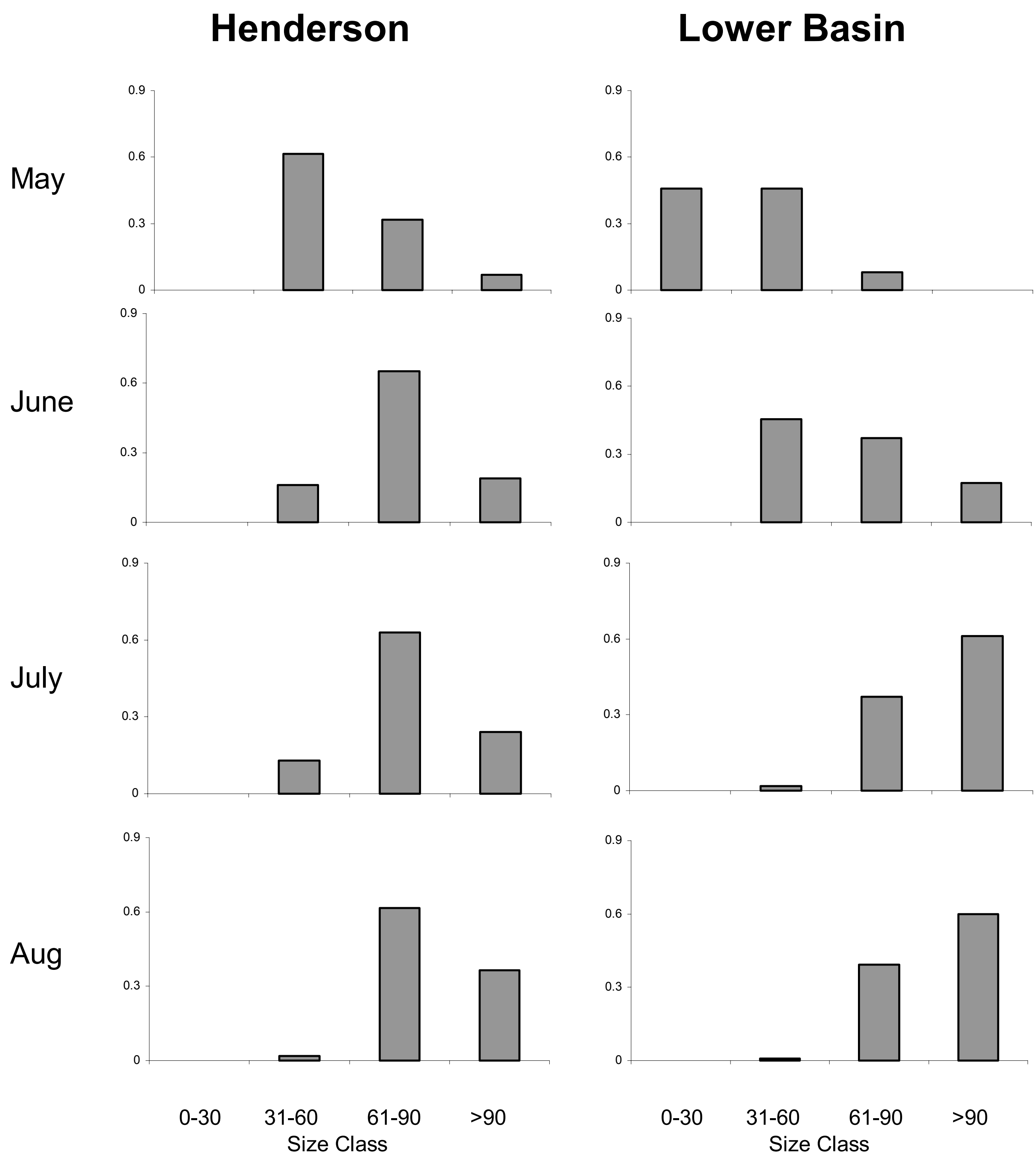

Figure 11. Length-frequency distributions of age-0 largemouth bass from the Atchafalaya Basin in 2001-2002 in Henderson Lake (drawdown) and the lower Basin (no drawdown). Size classes are in mm.

Table 14. Differences in length (mm) and weight (g) of age-0 largemouth bass in August 2001 and 2002 in the lower basin (no drawdown) and Henderson Lake (drawdown). Data presented are number of fish (n), median length and weight, and 25th and 75th percentiles.

	Lower Basin				Henderson Lake					
	n	Median	25th	75th	n	Median	25th	75th	Z	P
Length	125	94	82	112	104	83.5	72	103.5	-3.25	0.0012
Weight	125	10.28	6.8	17.6	104	6.65	4.2	12.6	-4.01	0.0001

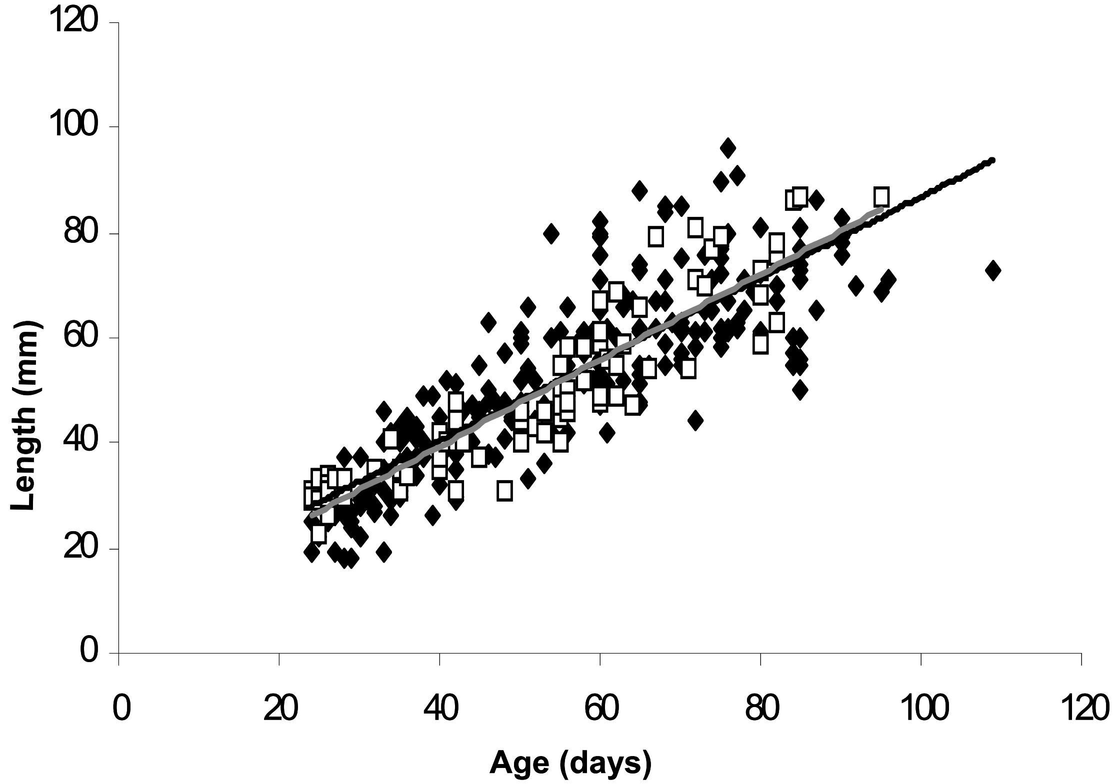

Figure 12. Regression analysis of change in length by age for age-0 largemouth bass from Henderson Lake (drawdown; closed diamonds, dark line) and the lower basin (no drawdown; open squares, light line) in 2001-2002.

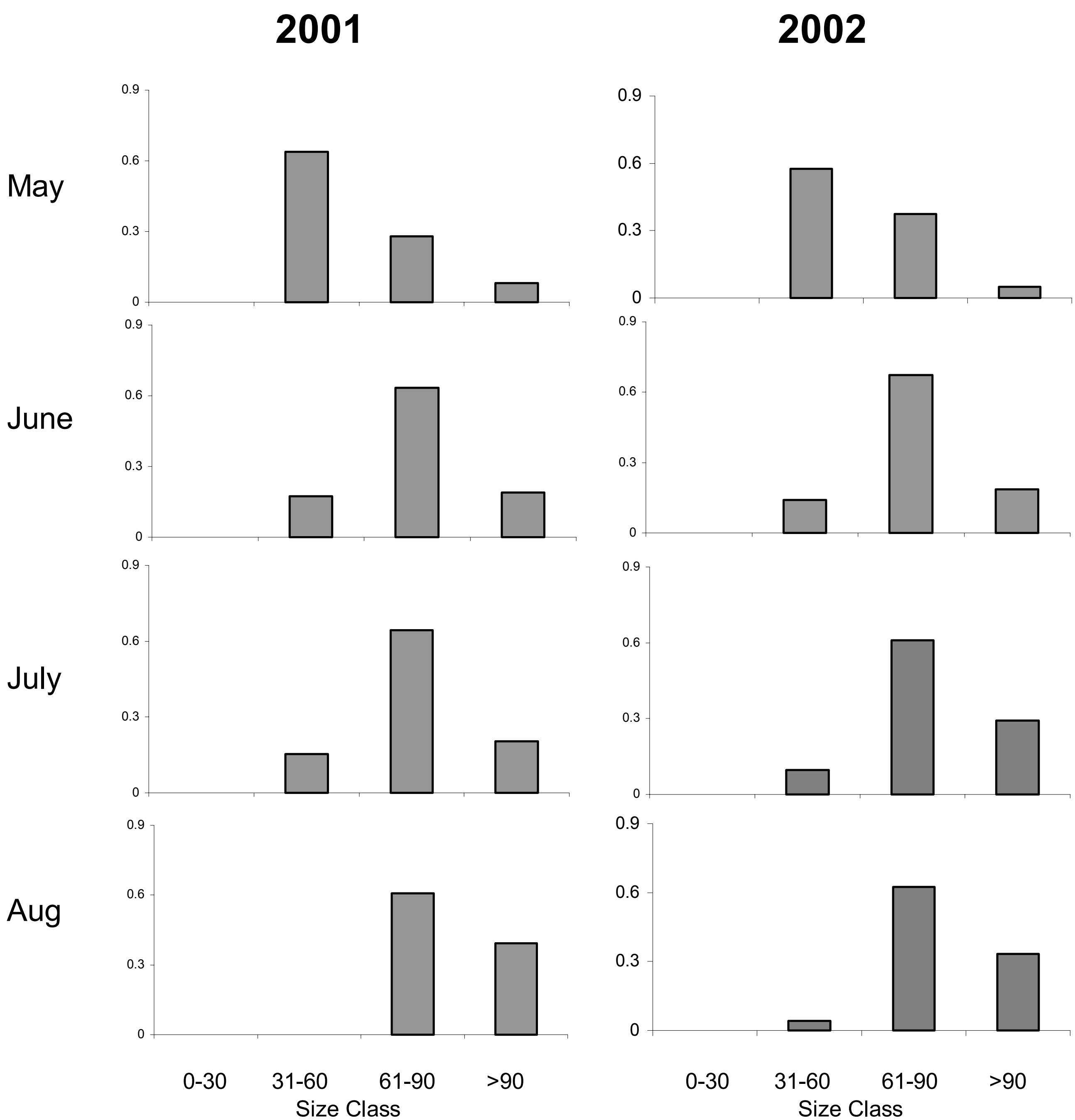

Figure 13. Length-frequency distributions of age-0 largemouth bass from Henderson Lake in 2001 and 2002. Size classes are in mm.

significantly different between years (Table 15). The plot of length at age for Henderson Lake bass collected in 2001 and 2002 (Figure 14) indicated an early growth advantage after the second drawdown (i.e., bass were longer in 2002 by age 28 days), but similar growth rates during the summer (Figure 14). Analysis of covariance indicated similar slopes for the two regressions ($F_{1,126}$ = 0.02, *P* = 0.8980), but a significant drawdown year effect ($F_{1,126}$ = 25.98, P < 0.0001).

Table 15. Differences in length (mm) and weight (g) of age-0 largemouth bass in August 2001 and 2002 in Henderson Lake (drawdown). Data presented are number of fish (n), median length and weight, and 25th and 75th percentiles.

	Henderson Lake 2001				Henderson Lake 2002					
	n	Median	25th	75th	n	Median	25th	75th	Z	P
Length	56	85	72	103	48	81	72	104	-0.365	0.357
Weight	56	7.2	4.3	12.5	48	6.13	4.2	12.9	-0.584	0.56

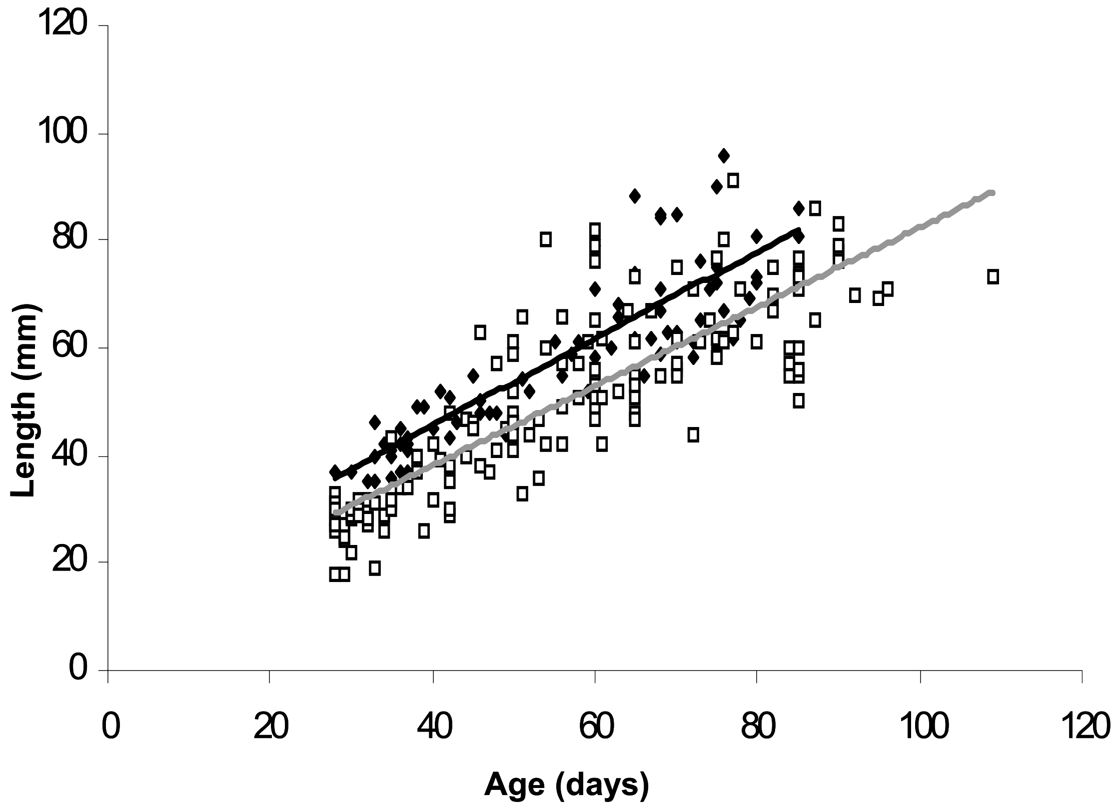

Figure 14. Regression analysis of change in length by age for age-0 largemouth bass from Henderson Lake in 2001 (open squares, light line) and Henderson Lake in 2002 (closed triangles, dark line).

DISCUSSION

Age-0 Bass Food Habits

Rules for prey choice by bass are very complex. Difficulties that arise in studies of predator-prey interactions include making realistic determinations of prey availability, prey distribution, and the variability of natural prey assemblages. Factors such as genetics, climatological unpredictability, and the timing of spawning can have major impacts on results. Variation in food habits and growth within a single year class of largemouth bass, as I observed in the Atchafalaya River Basin in 2001-2002, suggests that diet and growth data should be interpreted carefully. However, evaluating diet and growth differences in two markedly different years of habitat complexity may lead to an understanding of how major ecological changes caused by exotic macrophytes like hydrilla affect age-0 largemouth bass, resulting in more informed management decisions for exotic macrophytes and largemouth bass.

My results show evidence that habitat complexity differences and subsequent effects on prey availability have significant effects on the food habits and growth of age-0 largemouth bass. My results not only lend support to arguments made by Savino and Stein (1982), Bettoli et al. (1992), and Valley and Bremigan (2002) that high habitat complexity due to abundant macrophytes like hydrilla reduces foraging efficiency and first year growth of largemouth bass, but also support suggestions of Shelton et al. (1979), Timmons et al. (1980), and Keast and Eadie (1985) that growth differences in age-0 largemouth bass are a function of diet. In this section, I will emphasize the clear reduction in age-0

largemouth bass growth due to diet disparities caused by the presence of high densities of hydrilla.

Food Habits Before and After Hydrilla Infestation. Although limitations in prior data sets lead to uncertainty about sampling protocol and specific habitat characteristics, some conclusions can be made about pre- and post-hydrilla conditions from the results of my study. Although most studies deal with the effects of vegetation removal (Bettoli et al. 1992; Pothoven and Vondracek 1999) on bass ecology, or comparisons of bass growth or food habits in infested and un-infested bodies of water (Cailteux et al. 1996; Olsen 1996), I was able to compare diet, piscivory and growth during periods before and after hydrilla infestation occurred in Basin. Although other major physicochemical changes have undoubtedly occurred in the Basin, many of those have been related to the effects of hydrilla infestation (e.g., water quality changes and the build-up of organic matter), and the differences in diet and growth before and after the establishment of hydrilla in the Basin can provide important information concerning the impacts of this exotic macrophyte on juvenile fish ecology.

Large numbers of macroinvertebrates inhabit hydrilla, and the thick canopy it provides is most likely responsible for the increase in crustacean prey consumed by age-0 bass under current hydrilla conditions. However, the increase in the dietary importance of fish prey in my study relative to fish collected in the 1970s disagrees with most studies that report reduced foraging on fishes in dense macrophyte habitat (Colle and Shireman 1980; Savino and Stein 1982; Bettloi et al. 1992; Olsen 1996). However, studies have shown

increases in fish prey in dense macrophyte habitat (Crowder and Cooper, 1979; Shireman 1981), and my results may provide evidence for hydrilla offering better-quality habitat for prey fishes than no macrophytes at all. Another explanation for the increased levels of fish consumption in my study is the fact that larger age-0 bass made up a greater proportion of the samples I collected, essentially biasing my estimate of the number of bass feeding on fish because larger age-0 bass prey more heavily on fish.

Hydrilla Density Effects on Food Habits. Macrophytes affect predator-prey interactions by acting as a refuge, substrate for prey (Wiley et al. 1984), and a barrier to movement (Keast 1984). Dense macrophyte canopies like those formed by hydrilla can reduce the ability of age-0 largemouth bass to forage successfully. Increased structural complexity in dense hydrilla beds result in small spaces that make it difficult for juvenile predators to maneuver (Engel 1995), reducing prey encounter rates. My results are similar to other studies on foraging success of largemouth bass (Savino and Stein 1982; Bettoli et al. 1992; Olsen 1996; and Valley and Bremigan 2002), with high levels of habitat complexity reducing the amount of fish prey consumed by age-0 largemouth bass in the Atchafalaya Basin. Production (Wiley et al. 1984) and abundance (Miranda and Pugh 1997) of age-0 largemouth bass have been found to be greatest in intermediate levels of macrophytes. The prevalence of smaller, less desirable prey in age-0 largemouth bass stomachs in high-density hydrilla beds compared to low-density beds suggests that although bass are able to feed in hydrilla-infested areas, they may not be able to find or readily catch preferred

prey such as fish. As a consequence, intermediate levels of macrophytes may provide a more productive foraging habitat.

Initiation of piscivory by age-0 largemouth bass can be affected by factors other than habitat complexity. Prey fish communities can change both quantitatively (number of prey available through time) and qualitatively (types of fish available; Bettoli et al. 1992), and predatory effectiveness by largemouth bass differs among prey species (Howick and O'brien 1983). However, these factors are indirectly related to the amount of vegetation cover, e.g., clupeids were the most abundant fish prey of age-0 bass in areas of low hydrilla density, whereas mosquitofish were the most abundant fish prey in high density hydrilla beds. My results, such as decreases in age-0 bass piscivory as hydrilla density increases, likely reflect both factors, i.e., reduced feeding efficiency and changes in foraging success because of changes in the prey fish community. Decreased foraging on fishes, like that found in high hydrilla areas, may be critical to age-0 largemouth bass year class strength, causing a decline in growth and subsequent numbers of adult largemouth bass in the fishery.

<u>Drawdown Effects on Food Habits.</u> I assumed hydrilla coverage would significantly decrease following drawdown, and predator feeding responses would reflect the substantial changes in foraging habitat. Although hydrilla densities returned to approximately the same levels as before the drawdown in Henderson Lake in 2001, diet composition was significantly different from age-0 bass collected in the lower Basin (no drawdown). By analyzing the diet composition of age-0 largemouth bass in similar habitats, inferences can be

made about dietary responses in relation to changing habitat complexity. Changes in diet composition due the altered environment caused by the Henderson Lake drawdown may have affected the timing of prey availability. Higher frequency of occurrence and percent by number and weight of zooplankton, odonates, hemipterans, dipterans, and amphipods in Henderson Lake after the first drawdown reflected an increase in the diversity of invertebrate prey in the diet. Diversity in diet, however, may not optimize feeding energetics for developing fish (Werner 1974), and may reflect age-0 largemouth bass eating whatever they encounter rather than being able to consume preferred prey.

Hydrilla regrowth was minimal after the second Henderson Lake drawdown in 2002, and 2002 bass diets included significantly fewer invertebrate prey than expected, indicating large year-to-year variability in invertebrate density and predator feeding habits. Decrease in the relative abundance of invertebrates following vegetation removal probably contributed to greater exploitation of fishes by age-0 largemouth bass, resulting in bass from Henderson consistently eating fishes at an earlier time than bass in the Basin. It is unknown whether invertebrate diet and piscivory rates would be different if another drawdown were implemented, or if no drawdown was done at all. Controlled experimental manipulations of habitat complexity in the absence of a major shift in the prey community composition need to be completed to separate out the relative effects of habitat and prey dynamics in complex macrophyte environments (Bettoli et al 1992).

Age-0 Bass Growth

Growth is one of the most valuable indicators of fish health, population production, and habitat quality (DeVries and Frie 1996), and is closely related to the quality and quantity of food that fishes are able to obtain. In a habitat where age-0 fishes can easily obtain needed nutrition, faster growth will result in healthy year classes and more individuals reaching desirable sizes for recreational anglers. Natural or management-related changes to habitat conditions and the subsequent effects on prey availability will usually be reflected in fish growth. My results provide evidence that dense hydrilla coverage restricts the diet and reduces growth of age-0 largemouth bass. However, other environmental variables such as temperature and dissolved oxygen levels also affect fish growth, and are quite variable from year to year in the Basin (Sabo et al. 1999a, b). Understanding the relative effects of spatio-temporal variability in water quality and physical habitat structure on fish early life histories is necessary to fully understand fish growth patterns, but my data indicate that extreme habitat conditions, such as high density hydrilla infestations, significantly reduce foraging conditions, and therefore growth of age-0 bass.

Hydrilla Infestation Effects on Growth. Growth of age-0 largemouth bass appeared to be greater in my study than before hydrilla infested the Basin. Levine (1977) reported sampling in areas of no macrophyte coverage (which was necessary for seining), and my results indicate that hydrilla beds may provide better habitat for age-0 bass than areas devoid of vegetation. Durocher et al (1984) reported that any reduction in submerged aquatic vegetation below 20%

coverage resulted in a reduction in recruitment and standing crop of largemouth bass, which may explain why age-0 bass are growing at a higher rate under current Basin conditions.

As age-0 largemouth bass grow, seining efficiency decreases (personal observation). Although larger age-0 largemouth bass were found under current hydrilla-infested conditions, I presume that if electrofishing equipment was used for the 1970s collections, bass length frequencies from the two periods would have been similar. It is difficult to assess predator-prey relationships over many years, particularly in a habitat as variable as the Basin, and my results should be interpreted with caution.

Effects of Hydrilla Density on Growth. Diet composition and age and growth data collected for age-0 largemouth bass in the Basin indicated that high hydrilla coverage in 2001-2002 restricted age-0 largemouth bass growth. My results showed that dense hydrilla beds altered bass feeding ecology, and the apparent reduction in feeding efficiency in high hydrilla densities reduced bass growth potential. When differences in growth of fishes in two different habitats become evident, the availability of food is usually limiting in one of the habitats (Shelton et al. 1979). As a faster growing group of individuals increase in size, they are able to maintain a length advantage over their prey, whereas progressively less prey becomes available to smaller, slower-growing individuals.

Interactions between predators and their prey change through time, and the race between predator and prey growth is a common and important event in many fisheries (Wilbur 1988). Predators need to establish a size advantage over

their prey, and if they cannot, due to the complex environment surrounding them, growth suffers. Olsen (1996) found that slow growth of age-0 largemouth bass during the invertebrate feeding stage reduced any size advantage of bass over fish prey and delayed or even prevented the shift to piscivory, which is probably the most important factor affecting growth in age-0 fish (Olsen 1996).

It is critical to know what factors affect the transition from one feeding stage to the next. The shift from invertebrates to fishes strongly influences the sizes attained by age-0 largemouth bass by fall (Olsen 1996). Because the survival of age-0 largemouth bass is strongly size dependent, the timing of the shift to piscivory may be important in determining survival and recruitment rates. Therefore, sight inhibition or lessened maneuverability may influence age-0 largemouth bass in high density hydrilla beds during the invertebrate feeding stage, and may negatively influence the shift to piscivory, thereby affecting adult densities. My results show a clear divergence in size between bass that shifted to piscivory compared to those that did not.

As with all fishes, the diets of age-0 bass are influenced by the effects of intra- and inter-specific competition. If competition due to less available prey between largemouth bass and other fishes is greater in dense hydrilla, this will also delay a shift to larger prey, and growth will likely be reduced.

There is little support for alternate explanations of differences in growth of age-0 bass in the Basin based on environmental factors or spawning times (Keast and Eadie 1985). Year to year variation in growth may be explained by spawning time within lakes, but my age data for bass from Henderson Lake and

the lower Basin provided no evidence of differences in spawning times between the two areas, and differences in available prey due to habitat conditions are the most likely explanation of growth differences.

Drawdown Effects on Growth. My results indicate growth differences in age-0 bass due to drawdown were minimal, although assessing drawdown effects was difficult given that pre-drawdown growth rates in Henderson Lake were unknown. However, other studies have reported short-term positive responses in fish growth after drawdowns (Moyer et al. 1995). Although my data did not indicate short term increases in bass growth in areas due to drawdown, there were indications that small bass inhabiting areas of low hydrilla density grew more quickly. These results support my results for low to intermediate hydrilla densities offering a more favorable habitat for age-0 largemouth bass growth, whether a drawdown was implemented or not.

After the second drawdown, age-0 largemouth bass grew more quickly and reached larger sizes more quickly due to an early switch to a fish-dominated diet. Although chance differences in initial growth are sufficient to initiate a degree of growth depensation (DeAngelis and Mattice 1979), the initial growth differences were most likely due to an increase in available fish prey due to a lack of hydrilla during the early part of 2002. However, once hydrilla began emerging later in the year, the initial growth divergence ended, and bass from 2002 grew at the same rates and ended the first year at the same size as bass from 2001. These results are consistent with my results showing the negative effects of hydrilla coverage on the food habits and growth of age-0 bass, and any

absolute conclusions about the effect of drawdowns on age-0 largemouth bass cannot be made.

CONCLUSIONS and MANAGEMENT IMPLICATIONS

This research provides evidence that age-0 largemouth bass in the Atchafalaya River Basin are harmfully affected by high hydrilla densities. I suspect slower growth is the direct result of a decrease in the available invertebrates and fish in high hydrilla density. The need to manage hydrilla at intermediate or low levels is necessary given the harmful effects of high macrophyte complexity, and should be considered in order to improve growth rates and subsequent catch of largemouth bass. Management strategies for aquatic macrophytes should reflect both the ecological and economical realities of aquatic systems, and if the goal is higher numbers of adult largemouth bass in the sport fishery, hydrilla management must be implemented in some practical way.

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APPENDIX: RAW DATA

Fish	lake	Year	Yr	Lake	Mnth	Day	Ln	Wt	AGE	Hydr	temp	D.O.	Stage	Zoop	Ephem	Odon	Fish	Crust	Hemi	Dipt	Amph	UnkIns
1	1	2002	1	1	4	19	12	0.021	15	0	20.55	4.74	5.273	0	0	0	0	0	0	0	0	0
2	1	2002	1	1	4	19	11	0.021	20	0	20.55	4.74	5.273	7	0	0	0	0	0	0	0	0
3	1	2002	1	1	4	19	12	0.029	17	0	20.55	4.74	5.273	6	0	0	0	0	0	0	0	0
4	1	2002	1	1	4	19	12	0.028	21	0	20.55	4.74	5.273	5	0	0	0	0	0	0	0	0
5	1	2002	1	1	4	19	11	0.021	18	0	20.55	4.74	5.273	55	0	0	0	0	0	0	0	0
6	1	2002	1	1	4	19	16	0.068	31	0	20.55	4.74	5.273	27	0	0	0	0	0	0	0	0
7	1	2002	1	1	4	19	10	0.02	21	0	20.55	4.74	5.273	7	0	0	0	0	0	0	0	0
8	1	2002	1	1	4	19	12	0.03	15	0	20.55	4.74	5.273	9	0	0	0	0	0	0	0	0
9	1	2002	1	1	4	19	12	0.025	20	0	20.55	4.74	5.273	18	0	0	0	0	0	0	0	0
10	1	2002	1	1	4	19	11	0.023	19	0	20.55	4.74	5.273	3	0	0	0	0	0	0	0	0
11	1	2002	1	1	4	19	10	0.021	20	0	20.55	4.74	5.273	10	0	0	0	0	0	0	0	0
12	1	2002	1	1	4	19	12	0.029	20	0	20.55	4.74	5.273	13	0	0	0	0	0	0	0	0
13	1	2002	1	1	4	19	11	0.024	20	0	20.55	4.74	5.273	0	0	0	0	0	0	0	0	0
14	1	2002	1	1	4	19	12	0.03	20	0	20.55	4.74	5.273	15	0	0	0	0	0	0	0	0
15	1	2002	1	1	4	19	10	0.021	20	0	20.55	4.74	5.273	2	0	0	0	0	0	0	0	0
16	1	2002	1	1	4	19	13	0.036	21	0	20.55	4.74	5.273	16	0	0	0	0	0	0	0	0
17	1	2002	1	1	4	19	12	0.031	21	0	20.55	4.74	5.273	6	0	0	0	0	0	0	0	0
18	1	2002	1	1	4	19	12	0.033	18	0	20.55	4.74	5.273	11	0	0	0	0	0	0	0	0
19	1	2002	1	1	4	19	13	0.031	17	0	20.55	4.74	5.273	9	0	0	0	0	0	0	0	0
20	1	2002	1	1	4	19	13	0.035	21	0	20.55	4.74	5.273	9	0	0	0	0	0	0	0	0
21	1	2002	1	1	4	19	12	0.027	.	0	20.55	4.74	5.273	4	0	0	0	0	0	0	0	0
22	1	2002	1	1	4	19	12	0.021	18	0	20.55	4.74	5.273	7	0	0	0	0	0	0	0	0
23	1	2002	1	1	4	19	12	0.023	16	0	20.55	4.74	5.273	12	0	0	0	0	0	0	0	0
24	2	2002	1	2	4	25	51	1.675	42	0	26.26	4.65	4.602	2	0	0	4	0	0	1	0	0
25	2	2002	1	2	4	25	42	1.031	36	0	26.26	4.65	4.602	14	0	0	1	0	0	0	0	0
26	2	2002	1	2	4	25	42	1.076	34	0	26.26	4.65	4.602	12	0	0	5	0	0	0	0	0
27	2	2002	1	2	4	25	37	0.688	36	0	26.26	4.65	4.602	38	0	0	2	0	0	0	0	0
28	2	2002	1	2	4	25	44	1.091	49	0	26.26	4.65	4.602	119	0	0	1	0	0	4	0	0
29	2	2002	1	2	4	25	33	0.792	.	0	26.26	4.65	4.602	15	0	0	3	0	0	0	0	0
30	2	2002	1	2	4	25	36	0.616	.	0	26.26	4.65	4.602	107	0	0	0	0	0	0	0	0
31	2	2002	1	2	4	25	40	0.772	33	0	26.26	4.65	4.602	15	0	0	2	0	0	0	0	0
32	2	2002	1	2	4	25	41	0.972	35	0	26.26	4.65	4.602	15	0	0	4	0	0	0	0	0

33	2	2002	1	2	4	25	46	0.969	.	0	26.26	4.65	4.602	380	0	0	1	0	0	0	0	0
34	2	2002	1	2	4	25	35	0.363	32	0	26.26	4.65	4.602	270	0	0	1	0	0	0	0	0
35	2	2002	1	2	4	25	50	1.628	46	0	26.26	4.65	4.602	8	0	0	3	0	0	0	0	0
36	2	2002	1	2	4	25	37	0.713	37	0	26.26	4.65	4.602	79	0	0	1	0	0	0	0	0
37	2	2002	1	2	4	25	45	1.267	36	0	26.26	4.65	4.602	5	0	0	4	0	0	0	0	0
38	2	2002	1	2	4	25	46	0.997	33	0	26.26	4.65	4.602	4	0	0	4	0	0	0	0	0
39	2	2002	1	2	4	25	42	1.053	37	0	26.26	4.65	4.602	106	0	0	3	0	0	0	0	0
40	2	2002	1	2	4	25	42	1.025	37	0	26.26	4.65	4.602	9	0	0	4	0	0	0	0	0
41	2	2002	1	2	4	25	37	0.598	37	0	26.26	4.65	4.602	0	0	0	0	5	0	0	0	0
42	2	2002	1	2	4	25	43	1.015	37	0	26.26	4.65	4.602	3	0	0	1	0	0	0	0	0
43	2	2002	1	2	4	25	37	0.774	30	0	26.26	4.65	4.602	99	0	0	2	0	0	0	0	0
44	2	2002	1	2	4	25	37	0.703	28	0	26.26	4.65	4.602	135	0	0	3	0	0	0	0	0
45	2	2002	1	2	4	25	36	0.663	35	0	26.26	4.65	4.602	77	0	0	3	0	0	0	0	0
46	2	2002	1	2	4	25	41	0.926	37	0	26.26	4.65	4.602	22	0	0	2	0	0	0	0	0
47	2	2002	1	2	4	25	46	1.303	43	0	26.26	4.65	4.602	2	0	0	6	0	0	0	0	0
48	2	2002	1	2	4	25	35	0.608	33	0	26.26	4.65	4.602	40	0	0	2	0	0	0	0	0
49	1	2002	1	1	5	1	24	0.18	45	0	25.59	4.27	4.297	110	1	0	0	0	0	0	0	0
50	1	2002	1	1	5	1	30	0.342	37	0	25.59	4.27	4.297	106	0	0	0	0	0	0	0	0
51	1	2002	1	1	5	1	29	0.29	37	0	25.59	4.27	4.297	68	1	0	0	0	0	0	0	0
52	1	2002	1	1	5	1	27	0.252	37	0	25.59	4.27	4.297	43	1	0	0	0	0	0	0	0
53	1	2002	1	1	5	1	31	0.355	37	0	25.59	4.27	4.297	102	0	0	0	1	0	0	0	0
54	1	2002	1	1	5	1	30	0.315	36	0	25.59	4.27	4.297	32	1	1	0	1	0	0	0	0
55	1	2002	1	1	5	1	33	0.468	35	0	25.59	4.27	4.297	21	0	0	1	4	0	0	0	0
56	1	2002	1	1	5	1	33	0.483	38	0	25.59	4.27	4.297	16	1	0	2	2	0	0	2	0
57	1	2002	1	1	5	1	28	0.291	37	0	25.59	4.27	4.297	28	0	0	0	1	0	0	0	0
58	1	2002	1	1	5	1	25	0.198	36	0	25.59	4.27	4.297	115	0	0	0	1	0	0	0	0
59	1	2002	1	1	5	1	30	0.317	40	0	25.59	4.27	4.297	17	0	0	0	2	0	0	0	0
60	1	2002	1	1	5	1	27	0.273	36	0	25.59	4.27	4.297	37	0	3	0	0	0	0	0	0
61	1	2002	1	1	5	1	29	0.285	39	0	25.59	4.27	4.297	20	1	1	0	0	1	0	0	0
62	1	2002	1	1	5	1	28	0.282	37	0	25.59	4.27	4.297	14	0	0	0	2	0	0	0	0
63	1	2002	1	1	5	1	29	0.318	.	0	25.59	4.27	4.297	23	1	1	0	2	0	0	0	0
64	1	2002	1	1	5	1	25	0.18	.	0	25.59	4.27	4.297	68	0	0	0	0	0	0	0	0
65	1	2002	1	1	5	1	35	0.508	37	0	25.59	4.27	4.297	29	2	1	0	5	0	0	0	0
66	1	2002	1	1	5	1	30	0.355	35	0	25.59	4.27	4.297	29	2	0	0	3	0	0	0	0

67	1	2002	1	1	5	1	27	0.262	37	0	25.59	4.27	4.297	50	0	0	0	3	0	0	0	0
68	1	2002	1	1	5	1	29	0.317	34	0	25.59	4.27	4.297	67	1	0	0	0	0	1	0	0
69	1	2002	1	1	5	1	28	0.281	42	0	25.59	4.27	4.297	85	3	0	0	0	0	0	0	0
70	1	2002	1	1	5	1	27	0.293	.	0	25.59	4.27	4.297	58	0	0	0	0	0	0	1	0
71	1	2002	1	1	5	1	24	0.202	39	0	25.59	4.27	4.297	56	1	0	0	0	0	0	0	0
72	1	2002	1	1	5	1	23	0.164	40	0	25.59	4.27	4.297	55	0	0	0	0	0	0	0	0
73	1	2002	1	1	5	1	25	0.215	42	0	25.59	4.27	4.297	116	1	0	0	0	1	0	0	0
74	2	2002	1	2	5	8	80	6.942	.	0	28.18	3.46	4.358	0	0	0	1	0	1	0	0	0
75	2	2002	1	2	5	8	79	5.855	60	0	28.18	3.46	4.358	0	0	0	0	1	0	0	0	0
76	2	2002	1	2	5	8	61	2.561	58	0	28.18	3.46	4.358	4	2	0	0	0	0	0	3	2
77	2	2002	1	2	5	8	59	2.411	57	0	28.18	3.46	4.358	120	0	0	0	0	0	2	0	0
78	2	2002	1	2	5	8	55	1.852	.	0	28.18	3.46	4.358	0	8	0	0	0	1	1	2	0
79	2	2002	1	2	5	8	41	0.749	.	0	28.18	3.46	4.358	4	1	0	0	0	0	1	0	0
80	2	2002	1	2	5	8	52	1.717	.	0	28.18	3.46	4.358	32	17	0	1	0	0	12	80	0
81	2	2002	1	2	5	8	40	0.79	38	0	28.18	3.46	4.358	68	5	1	0	0	0	14	1	0
82	2	2002	1	2	5	8	49	1.417	39	0	28.18	3.46	4.358	62	1	0	0	2	0	5	1	0
83	2	2002	1	2	5	8	49	1.395	38	0	28.18	3.46	4.358	71	6	1	0	0	0	3	0	1
84	2	2002	1	2	5	8	52	1.596	41	0	28.18	3.46	4.358	10	1	0	0	2	0	21	7	0
85	2	2002	1	2	5	8	40	0.746	35	0	28.18	3.46	4.358	32	1	0	0	0	0	0	0	0
86	2	2002	1	2	5	8	36	0.607	.	0	28.18	3.46	4.358	11	2	1	0	0	1	8	8	0
87	2	2002	1	2	5	8	48	1.472	46	0	28.18	3.46	4.358	76	4	0	0	1	0	12	6	0
88	2	2002	1	2	5	8	45	1.236	40	0	28.18	3.46	4.358	5	2	0	0	0	0	3	14	2
89	2	2002	1	2	5	8	48	1.449	47	0	28.18	3.46	4.358	1	0	0	2	0	1	3	1	0
90	2	2002	1	2	5	8	61	2.88	55	0	28.18	3.46	4.358	62	1	0	1	0	0	1	2	0
91	2	2002	1	2	5	8	37	0.6	.	0	28.18	3.46	4.358	86	1	0	0	1	0	1	1	0
92	2	2002	1	2	5	8	54	1.763	51	0	28.18	3.46	4.358	2	0	0	0	0	0	21	53	0
93	2	2002	1	2	5	8	60	2.518	50	0	28.18	3.46	4.358	0	4	1	3	0	0	0	1	0
94	2	2002	1	2	5	22	60	2.604	62	0	24.37	8	4.877	9	1	1	0	0	0	1	72	0
95	2	2002	1	2	5	22	55	2.163	56	0	24.37	8	4.877	0	0	0	5	0	0	0	0	0
96	2	2002	1	2	5	22	74	4.773	.	0	24.37	8	4.877	6	3	0	0	1	0	1	11	0
97	2	2002	1	2	5	22	55	1.93	45	0	24.37	8	4.877	3	2	0	1	0	0	22	0	1
98	2	2002	1	2	5	22	43	0.883	42	0	24.37	8	4.877	54	0	0	0	0	0	38	1	0
99	2	2002	1	2	5	22	73	4.493	.	0	24.37	8	4.877	2	0	0	0	0	0	0	0	0
100	2	2002	1	2	5	22	68	3.742	.	0	24.37	8	4.877	7	0	0	2	0	0	0	0	0

101	2	2002	1	2	5	22	97	12.1	.	0	24.37	8	4.877	0	0	0	5	0	0	0	0	0
102	2	2002	1	2	5	22	88	8.52	65	0	24.37	8	4.877	0	0	0	12	0	0	0	0	0
103	2	2002	1	2	5	22	95	11.32	.	0	24.37	8	4.877	0	0	0	3	0	0	0	0	0
104	2	2002	1	2	5	22	52	1.631	52	0	24.37	8	4.877	3	0	0	0	0	0	1	0	0
105	2	2002	1	2	5	22	60	2.42	50	0	24.37	8	4.877	5	1	0	0	0	0	2	0	1
106	2	2002	1	2	5	22	85	6.164	70	0	24.37	8	4.877	0	0	0	0	1	0	0	0	0
107	2	2002	1	2	5	22	74	5.694	65	0	24.37	8	4.877	0	0	0	2	0	0	0	0	0
108	2	2002	1	2	5	22	81	7.774	.	0	24.37	8	4.877	0	0	0	5	0	0	0	0	0
109	2	2002	1	2	5	22	48	1.419	48	0	24.37	8	4.877	10	0	0	0	0	0	10	0	0
110	2	2002	1	2	5	22	69	3.932	79	0	24.37	8	4.877	0	0	0	0	0	0	0	0	0
111	2	2002	1	2	5	22	68	4.2	63	0	24.37	8	4.877	100	0	0	0	0	0	1	0	0
112	2	2002	1	2	5	22	81	6.897	85	0	24.37	8	4.877	0	0	0	3	0	0	0	0	0
113	2	2002	1	2	5	22	79	6.648	60	0	24.37	8	4.877	0	0	0	7	0	0	0	0	0
114	1	2002	1	1	5	23	54	2.08	.	10	20.61	4.46	4.938	2	2	0	1	0	15	0	0	0
115	1	2002	1	1	5	23	40	0.79	43	0	20.61	4.46	4.938	0	0	0	0	0	0	0	0	0
116	1	2002	1	1	5	23	39	0.727	42	0	20.61	4.46	4.938	8	0	0	0	0	1	0	0	0
117	1	2002	1	1	5	23	41	0.997	59	0	20.61	4.46	4.938	4	3	0	1	1	6	0	0	0
118	1	2002	1	1	5	23	59	2.57	60	0	20.61	4.46	4.938	0	1	0	3	0	0	0	0	0
119	1	2002	1	1	5	23	66	4.21	65	0	20.61	4.46	4.938	0	0	0	0	1	0	0	0	0
120	1	2002	1	1	6	6	36	0.656	41	100	23.53	4.95	5.303	2	1	0	0	2	0	0	0	0
121	1	2002	1	1	6	6	65	3.747	85	0	23.53	4.95	5.303	0	0	0	1	0	0	0	0	0
122	1	2002	1	1	6	6	95	12.31	.	0	23.53	4.95	5.303	0	0	0	2	0	0	0	0	0
123	2	2002	1	2	6	7	96	10.78	76	0	29.44	10.11	5.334	23	0	0	1	0	0	0	0	0
124	2	2002	1	2	6	7	85	6.783	68	0	29.44	10.11	5.334	0	0	0	6	0	0	1	0	0
125	2	2002	1	2	6	7	80	6.458	60	0	29.44	10.11	5.334	103	0	0	2	0	0	2	0	0
126	2	2002	1	2	6	7	90	8.186	75	0	29.44	10.11	5.334	0	0	0	0	0	0	0	0	0
127	2	2002	1	2	6	7	84	7.166	68	0	29.44	10.11	5.334	15	0	0	6	0	0	0	0	0
128	2	2002	1	2	6	7	65	3.471	.	0	29.44	10.11	5.334	15	0	0	0	0	0	10	3	0
129	2	2002	1	2	6	7	71	4.41	60	0	29.44	10.11	5.334	112	0	0	0	0	0	0	1	0
130	2	2002	1	2	6	7	66	3.52	63	0	29.44	10.11	5.334	163	0	0	0	0	0	7	2	0
131	2	2002	1	2	6	7	71	4.42	68	0	29.44	10.11	5.334	81	0	0	0	0	0	32	19	0
132	2	2002	1	2	6	7	76	4.96	73	0	29.44	10.11	5.334	152	0	0	1	0	0	1	0	0
133	2	2002	1	2	6	7	67	3.627	68	0	29.44	10.11	5.334	16	1	0	0	0	0	3	2	2
134	2	2002	1	2	6	7	73	5.57	80	0	29.44	10.11	5.334	175	0	0	0	0	0	3	0	0

135	2	2002	1	2	6	7	71	4.16	74	0	29.44	10.11	5.334	141	0	1	0	0	0	12	9	0
136	2	2002	1	2	6	7	63	3.045	69	0	29.44	10.11	5.334	24	0	0	0	0	0	0	0	0
137	2	2002	1	2	6	7	62	2.944	65	0	29.44	10.11	5.334	36	0	0	0	1	0	35	23	0
138	2	2002	1	2	6	7	63	3.244	70	0	29.44	10.11	5.334	138	6	0	0	0	0	24	5	1
139	2	2002	1	2	6	7	60	7.286	75	0	29.44	10.11	5.334	80	0	0	0	0	0	15	13	3
140	2	2002	1	2	6	7	65	3.159	73	0	29.44	10.11	5.334	162	1	1	1	0	0	16	2	0
141	2	2002	1	2	6	7	58	2.455	60	0	29.44	10.11	5.334	0	0	0	0	0	0	0	0	0
142	2	2002	1	2	6	7	59	2.67	68	0	29.44	10.11	5.334	54	1	0	0	0	0	8	12	0
143	2	2002	1	2	6	7	61	2.86	72	0	29.44	10.11	5.334	110	1	0	1	0	0	9	7	1
144	2	2002	1	2	6	7	58	2.399	72	0	29.44	10.11	5.334	121	0	0	0	0	0	16	1	0
145	2	2002	1	2	6	7	52	1.686	59	0	29.44	10.11	5.334	114	0	0	0	0	0	12	0	0
146	1	2002	1	1	6	11	55	2.315	70	100	27.24	2.17	5.12	2	1	2	0	0	1	2	24	0
147	1	2002	1	1	6	11	49	1.425	74	100	27.24	2.17	5.12	0	3	0	0	1	0	0	0	0
148	1	2002	1	1	6	11	66	3.68	73	100	27.24	2.17	5.12	0	0	0	0	0	0	0	23	0
149	1	2002	1	1	6	11	62	2.992	75	100	27.24	2.17	5.12	0	0	0	0	0	0	0	1	0
150	1	2002	1	1	6	11	51	1.727	72	100	27.24	2.17	5.12	0	7	0	0	0	1	0	3	0
151	1	2002	1	1	6	11	47	1.408	65	100	27.24	2.17	5.12	0	8	0	0	0	0	0	0	0
152	1	2002	1	1	6	11	57	2.268	79	100	27.24	2.17	5.12	0	2	0	0	0	0	0	2	0
153	1	2002	1	1	6	11	55	2.197	84	100	27.24	2.17	5.12	0	0	0	0	48	0	1	3	0
154	1	2002	1	1	6	11	48	1.795	71	100	27.24	2.17	5.12	5	0	0	0	0	0	0	16	0
155	1	2002	1	1	6	11	68	4.262	79	100	27.24	2.17	5.12	0	0	0	0	0	14	0	0	0
156	1	2002	1	1	6	11	38	0.722	69	100	27.24	2.17	5.12	2	6	0	0	0	0	1	3	0
157	1	2002	1	1	6	11	55	1.976	76	100	27.24	2.17	5.12	0	8	0	0	1	0	0	0	0
158	1	2002	1	1	6	11	53	1.855	70	100	27.24	2.17	5.12	0	7	0	0	2	0	0	0	0
159	1	2002	1	1	6	11	62	2.975	72	100	27.24	2.17	5.12	0	0	0	1	0	0	0	8	0
160	1	2002	1	1	6	11	82	6.198	82	100	27.24	2.17	5.12	0	0	0	0	0	0	0	0	0
161	1	2002	1	1	6	11	80	6.855	72	100	27.24	2.17	5.12	0	0	0	3	0	3	0	0	0
162	1	2002	1	1	6	11	81	5.358	88	100	27.24	2.17	5.12	0	0	0	0	0	0	0	0	0
163	1	2002	1	1	6	11	96	12.54 .		100	27.24	2.17	5.12	0	0	0	2	0	0	0	0	0
164	2	2002	1	2	6	17	61	2.585	70	10	27.64	1.95	4.328	95	0	0	0	0	0	1	3	0
165	2	2002	1	2	6	17	62	2.78	77	10	27.64	1.95	4.328	15	0	0	1	2	0	5	0	0
166	2	2002	1	2	6	17	55	1.92	66	0	27.64	1.95	4.328	89	0	0	0	0	0	2	0	0
167	2	2002	1	2	6	17	72	4.237	80	0	27.64	1.95	4.328	33	0	2	0	0	0	1	3	0
168	2	2002	1	2	6	17	62	2.845	67	0	27.64	1.95	4.328	63	0	0	1	0	0	2	1	0

169	2	2002	1	2	6	17	112	17.96	.	0	27.64	1.95	4.328	7	0	0	2	0	0	1	1	0
170	2	2002	1	2	6	17	81	6.433	80	0	27.64	1.95	4.328	0	0	0	3	0	0	2	0	0
171	2	2002	1	2	6	17	86	7.333	85	0	27.64	1.95	4.328	0	0	0	1	0	0	0	0	0
172	2	2002	1	2	6	17	67	3.561	76	0	27.64	1.95	4.328	55	0	0	0	0	0	2	0	0
173	2	2002	1	2	6	17	65	3.156	.	0	27.64	1.95	4.328	27	0	0	0	5	0	3	0	0
174	2	2002	1	2	6	17	65	2.963	78	0	27.64	1.95	4.328	29	0	0	1	0	0	2	1	0
175	2	2002	1	2	6	17	72	4.138	75	0	27.64	1.95	4.328	106	0	0	0	0	0	8	0	0
176	2	2002	1	2	6	17	75	4.929	75	0	27.64	1.95	4.328	0	0	0	0	0	0	0	0	0
177	2	2002	1	2	6	17	77	4.944	.	0	27.64	1.95	4.328	41	0	3	1	0	0	0	0	0
178	2	2002	1	2	6	17	109	16.18	.	0	27.64	1.95	4.328	0	0	0	1	0	0	0	0	0
179	2	2002	1	2	6	17	103	13.29	.	0	27.64	1.95	4.328	0	0	0	1	0	0	1	0	0
180	2	2002	1	2	6	17	97	11.41	.	0	27.64	1.95	4.328	0	0	0	0	0	0	0	0	0
181	2	2002	1	2	6	17	94	10.04	.	0	27.64	1.95	4.328	0	0	0	1	1	0	0	0	0
182	2	2002	1	2	6	17	93	8.828	.	0	27.64	1.95	4.328	0	0	0	1	0	0	0	0	0
183	2	2002	1	2	6	17	94	9.757	.	0	27.64	1.95	4.328	0	0	0	2	0	0	0	0	0
184	1	2002	1	1	6	18	44	1.211	78	100	27.93	3.74	4.115	2	2	0	0	1	0	0	1	0
185	1	2002	1	1	6	18	62	3.486	80	100	27.93	3.74	4.115	0	5	2	0	0	0	0	24	0
186	1	2002	1	1	6	18	65	3.937	70	100	27.93	3.74	4.115	1	1	2	0	0	0	0	7	0
187	1	2002	1	1	6	18	67	4.561	77	100	27.93	3.74	4.115	0	0	8	0	0	0	0	1	0
188	1	2002	1	1	6	18	53	2.296	.	100	27.93	3.74	4.115	0	0	0	0	0	0	0	0	0
189	1	2002	1	1	6	18	51	1.793	78	100	27.93	3.74	4.115	5	0	0	7	1	1	1	0	0
190	1	2002	1	1	6	18	58	2.552	79	100	27.93	3.74	4.115	0	3	4	0	0	0	0	1	0
191	1	2002	1	1	6	18	56	2.583	.	100	27.93	3.74	4.115	0	0	0	0	0	0	0	31	0
192	1	2002	1	1	6	18	79	6.73	.	100	27.93	3.74	4.115	0	0	1	0	1	0	0	7	0
193	1	2002	1	1	6	18	58	2.683	74	100	27.93	3.74	4.115	0	1	3	0	0	0	0	7	0
194	1	2002	1	1	6	18	54	2.134	.	100	27.93	3.74	4.115	0	0	0	0	4	0	0	3	0
195	1	2002	1	1	6	18	50	1.941	75	100	27.93	3.74	4.115	0	0	0	0	7	0	0	4	0
196	1	2002	1	1	6	18	52	1.922	.	100	27.93	3.74	4.115	0	0	1	0	0	0	0	4	0
197	1	2002	1	1	6	18	53	2.181	70	100	27.93	3.74	4.115	1	0	5	0	0	0	0	1	0
198	1	2002	1	1	6	18	51	1.976	.	100	27.93	3.74	4.115	0	0	4	0	0	0	0	2	0
199	1	2002	1	1	6	18	54	2.186	.	100	27.93	3.74	4.115	0	1	0	0	11	1	0	13	0
200	1	2002	1	1	6	18	49	1.628	.	100	27.93	3.74	4.115	2	0	0	0	1	0	0	9	0
201	1	2002	1	1	6	28	100	13.72	.	0	25.75	3.19	3.109	0	0	0	0	30	1	0	0	0
202	1	2002	1	1	6	28	118	25.24	.	0	25.75	3.19	3.109	0	0	0	2	0	0	0	0	0

203	1	2002	1	1	6	28	75	5.66	.	0	25.75	3.19	3.109	0	1	0	0	25	0	0	0	0
204	1	2002	1	1	6	28	63	3.782	.	0	25.75	3.19	3.109	0	0	0	0	24	0	0	0	0
205	1	2002	1	1	6	28	81	7.517	.	0	25.75	3.19	3.109	0	0	0	0	37	0	0	0	0
206	2	2002	1	2	7	3	86	7.385	.	0	29.68	3.2	2.316	0	0	0	1	0	0	0	0	0
207	2	2002	1	2	7	3	103	14.25	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
208	2	2002	1	2	7	3	100	12.21	.	0	29.68	3.2	2.316	0	0	0	1	0	0	0	0	0
209	2	2002	1	2	7	3	83	6.253	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
210	2	2002	1	2	7	3	83	6.013	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
211	2	2002	1	2	7	3	74	4.257	.	0	29.68	3.2	2.316	5	0	2	0	0	0	0	0	0
212	2	2002	1	2	7	3	71	5.046	.	0	29.68	3.2	2.316	0	0	0	0	1	0	0	0	0
213	2	2002	1	2	7	3	87	6.546	.	0	29.68	3.2	2.316	0	0	0	0	0	0	1	0	0
214	2	2002	1	2	7	3	62	2.602	.	0	29.68	3.2	2.316	86	0	1	0	0	0	0	9	0
215	2	2002	1	2	7	3	72	5.372	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
216	2	2002	1	2	7	3	65	2.842	.	0	29.68	3.2	2.316	270	0	0	0	2	0	0	0	0
217	2	2002	1	2	7	3	84	5.722	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
218	2	2002	1	2	7	3	67	3.388	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
219	2	2002	1	2	7	3	72	4.193	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
220	2	2002	1	2	7	3	92	8.704	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
221	2	2002	1	2	7	3	60	2.283	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
222	2	2002	1	2	7	3	70	3.618	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
223	2	2002	1	2	7	3	64	2.594	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
224	2	2002	1	2	7	3	81	5.953	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
225	2	2002	1	2	7	3	60	2.429	.	0	29.68	3.2	2.316	0	0	0	0	0	0	0	0	0
226	1	2002	1	1	7	11	98	10.87	.	100	29.09	2.54	1.585	0	0	0	0	0	0	0	0	0
227	1	2002	1	1	7	11	105	15.54	.	100	29.09	2.54	1.585	0	0	0	1	0	0	0	0	0
228	1	2002	1	1	7	11	98	10.72	.	100	29.09	2.54	1.585	0	0	0	1	1	0	0	0	0
229	1	2002	1	1	7	11	70	4.137	.	100	29.09	2.54	1.585	0	0	0	0	28	0	0	0	0
230	1	2002	1	1	7	11	62	2.813	.	100	29.09	2.54	1.585	0	0	0	0	1	0	0	0	0
231	1	2002	1	1	7	11	121	19.65	.	100	29.09	2.54	1.585	0	0	0	0	0	0	0	0	0
232	1	2002	1	1	7	11	95	10.71	.	100	29.09	2.54	1.585	0	0	0	0	2	0	0	0	0
233	1	2002	1	1	7	11	100	13.1	.	100	29.09	2.54	1.585	0	0	0	0	7	0	0	0	0
234	1	2002	1	1	7	11	85	8.746	.	100	29.09	2.54	1.585	0	0	0	0	3	0	0	0	0
235	1	2002	1	1	7	11	85	8.134	.	100	29.09	2.54	1.585	0	0	0	3	0	0	0	0	0
236	1	2002	1	1	7	11	115	17.36	.	100	29.09	2.54	1.585	0	0	0	0	0	0	0	0	0

237	1	2002	1	1	7	11	92	9.26	.	100	29.09	2.54	1.585	0	0	0	1	0	0	0	0	0
238	1	2002	1	1	7	11	91	8.646	.	100	29.09	2.54	1.585	0	0	0	0	0	0	0	0	0
239	1	2002	1	1	7	11	108	14.83	.	100	29.09	2.54	1.585	0	0	0	0	12	0	0	0	0
240	1	2002	1	1	7	11	107	15.41	.	100	29.09	2.54	1.585	0	0	0	0	3	0	0	0	0
241	2	2002	1	2	7	16	139	32.41	.	0	30.33	5.32	1.432	0	0	0	1	0	0	0	0	0
242	2	2002	1	2	7	16	90	9.2	.	0	30.33	5.32	1.432	0	0	0	2	0	0	0	0	0
243	2	2002	1	2	7	16	68	3.408	.	0	30.33	5.32	1.432	0	0	0	0	0	0	0	0	0
244	2	2002	1	2	7	16	92	8.958	.	0	30.33	5.32	1.432	0	0	0	1	0	0	0	0	0
245	2	2002	1	2	7	16	78	5.303	.	0	30.33	5.32	1.432	0	2	0	0	0	0	12	5	1
246	2	2002	1	2	7	16	81	5.931	.	0	30.33	5.32	1.432	0	0	0	0	0	0	0	0	0
247	2	2002	1	2	7	16	62	2.945	.	0	30.33	5.32	1.432	20	1	0	0	0	0	2	0	0
248	2	2002	1	2	7	16	95	9.134	.	50	30.33	5.32	1.432	0	0	0	1	0	0	0	0	0
249	2	2002	1	2	7	16	89	8.086	.	50	30.33	5.32	1.432	0	0	0	0	1	0	0	0	0
250	2	2002	1	2	7	16	93	7.802	.	50	30.33	5.32	1.432	1	2	0	0	0	0	0	0	0
251	2	2002	1	2	7	16	94	8.645	.	50	30.33	5.32	1.432	0	0	0	0	1	0	0	0	0
252	2	2002	1	2	7	16	96	9.581	.	50	30.33	5.32	1.432	0	0	0	0	0	0	0	0	0
253	2	2002	1	2	7	16	87	7.847	.	50	30.33	5.32	1.432	0	0	0	0	1	0	0	0	0
254	2	2002	1	2	7	16	106	13.47	.	50	30.33	5.32	1.432	0	0	0	0	1	0	0	0	0
255	2	2002	1	2	7	16	111	15	.	50	30.33	5.32	1.432	0	0	0	0	0	0	0	0	0
256	2	2002	1	2	7	16	60	2.377	.	50	30.33	5.32	1.432	146	0	0	0	0	0	1	0	0
257	2	2002	1	2	7	16	77	4.851	.	50	30.33	5.32	1.432	0	0	0	0	1	0	0	0	0
258	2	2002	1	2	7	16	81	5.771	.	50	30.33	5.32	1.432	0	1	0	0	0	0	0	0	0
259	2	2002	1	2	7	16	79	4.275	.	50	30.33	5.32	1.432	0	0	0	0	0	0	0	0	0
260	2	2002	1	2	7	16	60	2.533	.	50	30.33	5.32	1.432	820	3	1	0	0	0	0	0	0
261	2	2002	1	2	7	16	118	19.78	.	50	30.33	5.32	1.432	0	0	0	2	0	0	0	0	0
262	1	2002	1	1	7	17	83	7.192	.	0	30.27	5.76	1.432	0	0	0	0	2	0	0	0	0
263	1	2002	1	1	7	17	108	16.47	.	0	30.27	5.76	1.432	0	0	0	0	8	0	0	0	0
264	1	2002	1	1	7	17	60	2.98	.	0	30.27	5.76	1.432	0	0	0	0	10	0	0	0	0
265	1	2002	1	1	7	17	111	16.04	.	0	30.27	5.76	1.432	0	0	0	0	25	0	0	0	0
266	1	2002	1	1	7	17	75	5.716	.	0	30.27	5.76	1.432	0	0	0	1	14	0	0	0	0
267	1	2002	1	1	7	17	115	18.77	.	0	30.27	5.76	1.432	0	0	0	0	42	0	0	0	0
268	1	2002	1	1	7	17	122	22.49	.	0	30.27	5.76	1.432	0	0	0	0	1	0	0	0	0
269	1	2002	1	1	7	17	92	10.14	.	0	30.27	5.76	1.432	0	0	0	0	3	0	0	0	0
270	1	2002	1	1	7	17	130	29.22	.	0	30.27	5.76	1.432	0	0	0	1	0	0	0	0	0

271	1	2002	1	1	7	17	121	23.05	.	0	30.27	5.76	1.432	0	0	0	1	0	0	0	0	0
272	1	2002	1	1	7	17	90	9.067	.	0	30.27	5.76	1.432	0	0	0	1	10	0	0	0	0
273	1	2002	1	1	7	17	104	13.9	.	0	30.27	5.76	1.432	0	0	0	0	41	0	0	0	0
274	1	2002	1	1	7	17	96	10.38	.	0	30.27	5.76	1.432	0	0	0	0	10	0	0	0	0
275	1	2002	1	1	7	17	100	11.32	.	0	30.27	5.76	1.432	0	0	0	0	3	0	0	0	0
276	1	2002	1	1	7	17	106	15.04	.	0	30.27	5.76	1.432	0	0	0	1	0	0	0	0	0
277	1	2002	1	1	7	22	92	10.08	.	100	28.8	3.45	1.28	0	0	0	0	49	0	0	0	0
278	1	2002	1	1	7	22	109	17.57	.	100	28.8	3.45	1.28	0	0	1	0	0	0	0	0	0
279	1	2002	1	1	7	22	107	16.12	.	100	28.8	3.45	1.28	0	0	0	0	23	0	0	0	0
280	1	2002	1	1	7	22	69	4.404	.	100	28.8	3.45	1.28	0	0	0	0	39	0	0	0	0
281	1	2002	1	1	7	22	69	4.629	.	100	28.8	3.45	1.28	0	0	0	0	0	0	0	0	0
282	1	2002	1	1	7	22	79	7.017	.	100	28.8	3.45	1.28	0	0	0	0	70	0	0	1	0
283	1	2002	1	1	7	22	103	14.9	.	100	28.8	3.45	1.28	0	0	0	0	13	0	0	0	0
284	1	2002	1	1	7	22	35	0.754	.	100	28.8	3.45	1.28	0	0	0	0	13	0	0	0	0
285	1	2002	1	1	7	22	81	7.811	.	100	28.8	3.45	1.28	0	0	0	0	5	0	0	0	0
286	1	2002	1	1	7	22	80	6.471	.	100	28.8	3.45	1.28	0	0	0	0	30	0	0	0	0
287	1	2002	1	1	7	22	86	7.643	.	100	28.8	3.45	1.28	0	0	0	0	0	0	0	0	0
288	1	2002	1	1	7	22	85	8.323	.	100	28.8	3.45	1.28	0	0	0	0	0	0	0	0	0
289	1	2002	1	1	7	22	96	11.45	.	100	28.8	3.45	1.28	0	0	0	0	0	0	0	0	0
290	1	2002	1	1	7	22	80	7.556	.	100	28.8	3.45	1.28	0	0	0	0	27	0	0	0	0
291	1	2002	1	1	7	22	93	10.46	.	100	28.8	3.45	1.28	0	0	0	0	5	0	0	0	0
292	1	2002	1	1	7	22	79	6.322	.	100	28.8	3.45	1.28	0	0	0	0	14	0	0	0	0
293	1	2002	1	1	7	22	103	12.8	.	100	28.8	3.45	1.28	0	0	0	0	0	0	0	0	0
294	1	2002	1	1	7	22	70	4.129	.	100	28.8	3.45	1.28	0	0	0	0	31	0	0	0	0
295	1	2002	1	1	7	22	66	4.395	.	100	28.8	3.45	1.28	0	0	0	0	73	0	0	0	0
296	1	2002	1	1	7	22	65	3.794	.	100	28.8	3.45	1.28	0	0	0	0	9	0	0	0	0
297	1	2002	1	1	7	22	65	3.604	.	100	28.8	3.45	1.28	0	0	0	0	20	0	0	0	0
298	2	2002	1	2	8	1	140	30.67	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
299	2	2002	1	2	8	1	125	23.01	.	50	30.84	7.25	1.158	0	0	0	1	0	0	0	1	0
300	2	2002	1	2	8	1	163	53.1	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
301	2	2002	1	2	8	1	135	29.99	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
302	2	2002	1	2	8	1	98	10.9	.	50	30.84	7.25	1.158	0	0	0	1	0	0	0	0	0
303	2	2002	1	2	8	1	94	8.967	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
304	2	2002	1	2	8	1	80	5.771	.	50	30.84	7.25	1.158	0	0	0	2	0	0	0	0	0

305	2	2002	1	2	8	1	67	3.354	.	50	30.84	7.25	1.158	50	0	0	0	0	0	0	0	0
306	2	2002	1	2	8	1	73	4.23	.	50	30.84	7.25	1.158	0	0	0	0	3	0	0	0	0
307	2	2002	1	2	8	1	85	6.626	.	50	30.84	7.25	1.158	2	0	0	0	0	0	0	2	0
308	2	2002	1	2	8	1	67	3.42	.	50	30.84	7.25	1.158	127	2	0	0	0	0	1	0	0
309	2	2002	1	2	8	1	72	3.992	.	50	30.84	7.25	1.158	292	0	0	0	0	0	0	0	0
310	2	2002	1	2	8	1	68	3.491	.	50	30.84	7.25	1.158	4	0	0	1	0	0	0	0	0
311	2	2002	1	2	8	1	81	6.791	.	50	30.84	7.25	1.158	0	0	0	1	1	0	0	0	0
312	2	2002	1	2	8	1	106	13.1	.	50	30.84	7.25	1.158	0	0	0	1	0	0	0	0	0
313	2	2002	1	2	8	1	86	7.661	.	50	30.84	7.25	1.158	1	0	0	1	0	0	0	0	0
314	2	2002	1	2	8	1	90	7.485	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
315	2	2002	1	2	8	1	107	14.13	.	50	30.84	7.25	1.158	0	0	0	2	0	0	1	0	0
316	2	2002	1	2	8	1	77	5.888	.	50	30.84	7.25	1.158	0	0	0	0	2	0	0	0	0
317	2	2002	1	2	8	1	76	5.52	.	50	30.84	7.25	1.158	0	0	0	1	0	0	0	0	0
318	2	2002	1	2	8	1	65	3.314	.	50	30.84	7.25	1.158	0	0	0	1	0	0	0	0	0
319	2	2002	1	2	8	1	133	26.54	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
320	2	2002	1	2	8	1	149	42.39	.	50	30.84	7.25	1.158	0	0	0	0	0	0	0	0	0
321	1	2002	1	1	8	1	100	11.49	.	0	29.5	5.26	1.158	0	0	0	0	3	0	0	0	0
322	1	2002	1	1	8	1	124	24.22	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
323	1	2002	1	1	8	1	132	28.99	.	0	29.5	5.26	1.158	0	0	0	0	0	0	0	0	0
324	1	2002	1	1	8	1	75	5.226	.	0	29.5	5.26	1.158	0	0	0	0	3	0	0	0	0
325	1	2002	1	1	8	1	75	4.706	.	0	29.5	5.26	1.158	0	0	0	0	14	0	0	0	0
326	1	2002	1	1	8	1	89	9.148	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
327	1	2002	1	1	8	1	130	26.99	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
328	1	2002	1	1	8	1	130	28.3	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
329	1	2002	1	1	8	1	84	6.291	.	0	29.5	5.26	1.158	0	0	0	0	2	0	0	0	0
330	1	2002	1	1	8	1	98	12.31	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
331	1	2002	1	1	8	1	111	17.58	.	0	29.5	5.26	1.158	0	0	0	0	0	0	0	0	0
332	1	2002	1	1	8	1	118	19.95	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
333	1	2002	1	1	8	1	108	14.85	.	0	29.5	5.26	1.158	0	0	0	0	0	0	0	0	0
334	1	2002	1	1	8	1	113	17.39	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
335	1	2002	1	1	8	1	100	7.974	.	0	29.5	5.26	1.158	0	0	0	1	0	0	0	0	0
336	1	2002	1	1	8	1	110	15.9	.	0	29.5	5.26	1.158	0	0	0	1	1	0	0	1	0
337	1	2002	1	1	8	1	111	17.31	.	0	29.5	5.26	1.158	0	0	0	1	1	0	0	0	1
338	1	2002	1	1	8	1	101	12.99	.	0	29.5	5.26	1.158	0	0	0	0	0	0	0	0	0

339	1	2002	1	1	8	1	96	11.24	.	0	29.5	5.26	1.158	0	0	0	2	0	0	0	0	0
340	1	2002	1	1	8	1	85	7.03	.	0	29.5	5.26	1.158	0	0	0	0	0	0	0	0	0
341	1	2002	1	1	8	1	96	11.12	.	0	29.5	5.26	1.158	0	0	0	0	1	0	0	0	0
342	1	2002	1	1	8	1	91	8.856	.	0	29.5	5.26	1.158	1	0	0	2	7	0	0	0	0
343	1	2002	1	1	8	1	89	8.98	.	0	29.5	5.26	1.158	0	0	0	0	1	0	0	0	0
344	1	2002	1	1	8	8	93	9.25	.	100	31.94	5.77	1.189	0	0	0	0	32	0	0	0	0
345	1	2002	1	1	8	8	94	9.86	.	100	31.94	5.77	1.189	0	0	0	1	26	0	0	0	0
346	1	2002	1	1	8	8	96	12.12	.	100	31.94	5.77	1.189	0	0	0	4	0	0	0	0	0
347	1	2002	1	1	8	8	62	2.953	.	100	31.94	5.77	1.189	0	0	0	0	1	0	0	0	0
348	1	2002	1	1	8	8	69	4.509	.	100	31.94	5.77	1.189	0	0	0	2	0	0	0	0	0
349	1	2002	1	1	8	8	72	5.84	.	100	31.94	5.77	1.189	0	2	0	0	1	0	0	0	0
350	1	2002	1	1	8	8	70	4.604	.	100	31.94	5.77	1.189	0	0	0	0	1	0	0	0	0
351	1	2002	1	1	8	8	60	3.104	.	100	31.94	5.77	1.189	0	0	0	0	3	0	0	0	0
352	1	2002	1	1	8	8	66	3.784	.	100	31.94	5.77	1.189	0	0	0	0	8	0	0	0	0
353	1	2002	1	1	8	8	68	3.849	.	100	31.94	5.77	1.189	0	0	0	1	0	0	0	0	0
354	1	2002	1	1	8	8	84	6.985	.	100	31.94	5.77	1.189	0	0	0	0	43	1	0	0	0
355	1	2002	1	1	8	8	66	3.508	.	100	31.94	5.77	1.189	0	1	0	0	7	0	0	0	0
356	1	2002	1	1	8	8	99	12.69	.	100	31.94	5.77	1.189	0	0	0	0	15	0	0	0	0
357	1	2002	1	1	8	8	70	4.08	.	100	31.94	5.77	1.189	0	0	0	0	7	0	0	0	0
358	1	2002	1	1	8	8	82	6.809	.	100	31.94	5.77	1.189	0	0	0	0	18	0	0	0	0
359	1	2002	1	1	8	8	72	4.476	.	100	31.94	5.77	1.189	0	0	0	0	2	0	0	0	0
360	1	2002	1	1	8	8	76	4.495	.	100	31.94	5.77	1.189	0	0	0	0	0	0	0	0	0
361	1	2002	1	1	8	8	84	7.529	.	100	31.94	5.77	1.189	0	0	0	0	37	6	0	0	0
362	2	2002	1	2	8	13	72	4.515	.	50	29.8	4.67	1.097	6	0	1	0	0	0	1	2	0
363	2	2002	1	2	8	13	123	19.05	.	50	29.8	4.67	1.097	0	0	0	0	0	0	2	0	0
364	2	2002	1	2	8	13	106	13.33	.	50	29.8	4.67	1.097	0	0	0	0	0	1	1	0	0
365	2	2002	1	2	8	13	83	6.375	.	50	29.8	4.67	1.097	27	4	0	0	0	34	4	38	0
366	2	2002	1	2	8	13	71	4.316	.	50	29.8	4.67	1.097	0	0	1	1	0	0	0	0	0
367	2	2002	1	2	8	13	56	2.071	.	50	29.8	4.67	1.097	0	0	0	0	0	0	0	0	0
368	2	2002	1	2	8	13	89	7.811	.	50	29.8	4.67	1.097	0	0	0	0	0	0	0	7	0
369	2	2002	1	2	8	13	79	5.431	.	50	29.8	4.67	1.097	0	0	0	1	0	6	1	0	0
370	2	2002	1	2	8	13	69	3.745	.	50	29.8	4.67	1.097	0	1	3	0	0	0	0	1	0
371	2	2002	1	2	8	13	71	4.069	.	50	29.8	4.67	1.097	0	0	3	0	0	0	0	1	0
372	2	2002	1	2	8	13	72	4.092	.	50	29.8	4.67	1.097	0	0	1	0	0	0	1	0	0

373	2	2002	1	2	8	13	61	3.071	.	50	29.8	4.67	1.097	146	0	1	0	0	0	4	0	0
374	2	2002	1	2	8	13	102	12.69	.	50	29.8	4.67	1.097	0	0	0	1	0	0	0	1	0
375	2	2002	1	2	8	13	60	2.316	.	50	29.8	4.67	1.097	2	0	0	1	0	0	4	0	0
376	2	2002	1	2	8	13	103	11.11	.	50	29.8	4.67	1.097	0	0	2	0	0	2	0	1	1
377	2	2002	1	2	8	13	74	4.121	.	50	29.8	4.67	1.097	113	0	0	0	0	0	1	6	0
378	2	2002	1	2	8	13	85	6.782	.	50	29.8	4.67	1.097	0	2	0	0	0	0	5	2	0
379	2	2002	1	2	8	13	105	14	.	50	29.8	4.67	1.097	0	0	0	2	0	0	0	0	0
380	2	2002	1	2	8	13	80	5.684	.	50	29.8	4.67	1.097	1	0	0	0	3	0	1	0	0
381	2	2002	1	2	8	13	72	4.384	.	50	29.8	4.67	1.097	6	0	0	2	0	0	0	0	0
382	2	2002	1	2	8	13	74	4.29	.	50	29.8	4.67	1.097	1	3	4	0	0	0	0	0	0
383	2	2002	1	2	8	13	105	13.03	.	50	29.8	4.67	1.097	0	0	0	0	0	0	0	0	0
384	2	2002	1	2	8	13	85	6.533	.	50	29.8	4.67	1.097	0	0	0	0	0	0	2	10	0
385	2	2002	1	2	8	13	81	5.659	.	50	29.8	4.67	1.097	11	0	3	0	1	0	1	2	1
386	2	2002	1	2	8	13	75	4.361	.	50	29.8	4.67	1.097	0	0	0	0	0	0	0	0	0
387	1	2002	1	1	8	14	86	9.354	.	0	28.85	4.81	1.067	0	0	0	0	0	0	0	0	0
388	1	2002	1	1	8	14	102	14.26	.	0	28.85	4.81	1.067	0	0	0	4	2	0	0	0	0
389	1	2002	1	1	8	14	112	18.82	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
390	1	2002	1	1	8	14	91	9.64	.	0	28.85	4.81	1.067	0	0	0	0	3	0	0	0	0
391	1	2002	1	1	8	14	69	3.984	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
392	1	2002	1	1	8	14	99	13.34	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
393	1	2002	1	1	8	14	114	19.34	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
394	1	2002	1	1	8	14	125	27.94	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
395	1	2002	1	1	8	14	100	12.94	.	0	28.85	4.81	1.067	0	0	0	0	1	0	0	0	0
396	1	2002	1	1	8	14	128	26.71	.	0	28.85	4.81	1.067	0	0	0	0	0	0	0	0	0
397	1	2002	1	1	8	14	106	15.72	.	0	28.85	4.81	1.067	0	0	0	0	0	0	0	0	0
398	1	2002	1	1	8	14	128	26.95	.	0	28.85	4.81	1.067	0	0	0	0	0	0	0	0	0
399	1	2002	1	1	8	14	101	13.42	.	0	28.85	4.81	1.067	0	0	0	1	1	0	0	0	0
400	1	2002	1	1	8	14	94	11.76	.	0	28.85	4.81	1.067	0	0	0	1	0	0	0	0	0
1	2	2001	2	2	4	4	25	0.192	.	0	23.6	4.65	4.358	175	0	0	0	0	0	0	0	0
2	2	2001	2	2	4	4	18	0.081	.	0	23.6	4.65	4.358	186	0	0	0	0	0	0	0	0
3	2	2001	2	2	4	4	24	0.157	29	0	23.6	4.65	4.358	95	0	0	0	0	0	0	0	0
4	2	2001	2	2	4	4	28	0.285	30	0	23.6	4.65	4.358	102	0	0	0	6	2	1	1	0
5	2	2001	2	2	4	4	32	0.395	31	0	23.6	4.65	4.358	67	0	0	0	9	0	0	0	0
6	2	2001	2	2	4	4	28	0.25	26	0	23.6	4.65	4.358	195	0	0	0	0	4	0	0	0

7	2	2001	2	2	4	4	25	0.19	.	0	23.6	4.65	4.358	295	0	0	0	0	0	1	0	0
8	2	2001	2	2	4	4	27	0.235	32	0	23.6	4.65	4.358	121	0	0	0	0	0	0	0	0
9	2	2001	2	2	4	4	33	0.421	28	0	23.6	4.65	4.358	48	0	0	0	0	0	0	1	0
10	2	2001	2	2	4	4	19	0.095	33	0	23.6	4.65	4.358	193	0	0	0	0	0	0	0	0
11	2	2001	2	2	4	4	26	0.206	27	0	23.6	4.65	4.358	81	0	0	0	2	0	0	1	0
12	2	2001	2	2	4	4	25	0.211	26	0	23.6	4.65	4.358	198	0	0	0	1	0	1	0	0
13	2	2001	2	2	4	4	26	0.241	27	0	23.6	4.65	4.358	200	0	0	0	0	0	1	0	0
14	2	2001	2	2	4	4	22	0.157	25	0	23.6	4.65	4.358	163	0	0	0	0	0	0	0	0
15	2	2001	2	2	4	4	28	0.321	30	0	23.6	4.65	4.358	138	0	0	0	0	2	0	0	0
16	2	2001	2	2	4	4	25	0.216	29	0	23.6	4.65	4.358	173	0	0	0	7	0	0	0	0
17	2	2001	2	2	4	4	19	0.097	24	0	23.6	4.65	4.358	153	0	0	0	0	0	0	0	0
18	2	2001	2	2	4	4	26	0.247	39	0	23.6	4.65	4.358	97	0	0	0	16	0	1	0	0
19	2	2001	2	2	4	4	19	0.098	27	0	23.6	4.65	4.358	201	0	0	0	0	0	0	0	0
20	2	2001	2	2	4	4	29	0.278	34	0	23.6	4.65	4.358	135	0	0	0	0	3	1	3	0
21	2	2001	2	2	4	4	18	0.085	29	0	23.6	4.65	4.358	219	0	0	0	0	0	0	0	0
22	2	2001	2	2	4	4	27	0.31	29	0	23.6	4.65	4.358	343	0	0	0	0	1	0	0	0
23	2	2001	2	2	4	4	29	0.323	30	0	23.6	4.65	4.358	101	0	0	0	2	1	0	0	0
24	2	2001	2	2	4	4	31	0.404	28	0	23.6	4.65	4.358	19	0	0	0	1	0	0	0	0
25	2	2001	2	2	4	4	19	0.101	24	0	23.6	4.65	4.358	179	0	0	0	0	0	0	0	0
26	2	2001	2	2	4	4	18	0.082	28	0	23.6	4.65	4.358	89	0	0	0	0	0	0	0	0
27	2	2001	2	2	4	4	29	0.297	30	0	23.6	4.65	4.358	81	0	0	0	0	0	0	0	0
28	2	2001	2	2	4	4	26	0.239	28	0	23.6	4.65	4.358	262	0	0	0	0	0	1	0	0
29	2	2001	2	2	4	4	22	0.141	30	0	23.6	4.65	4.358	286	0	0	0	0	0	2	0	0
30	2	2001	2	2	4	17	59	2.597	.	0	24.5	2.11	3.292	0	0	0	0	1	0	0	0	0
31	2	2001	2	2	4	17	41	0.793	48	0	24.5	2.11	3.292	15	0	0	0	4	0	2	0	0
32	2	2001	2	2	4	17	37	0.615	47	0	24.5	2.11	3.292	2	0	0	0	2	0	2	0	0
33	2	2001	2	2	4	17	57	2.184	48	0	24.5	2.11	3.292	0	0	0	1	2	0	0	0	0
34	2	2001	2	2	4	17	38	0.687	46	0	24.5	2.11	3.292	1	0	0	0	3	0	0	0	0
35	2	2001	2	2	4	17	39	0.689	.	0	24.5	2.11	3.292	1	0	0	0	1	0	3	0	0
36	2	2001	2	2	4	17	37	0.616	38	0	24.5	2.11	3.292	0	0	0	0	1	0	0	0	0
37	2	2001	2	2	4	17	34	0.435	36	0	24.5	2.11	3.292	0	0	0	0	3	0	1	0	0
38	2	2001	2	2	4	17	63	3.25	46	0	24.5	2.11	3.292	0	0	0	1	0	0	0	0	0
39	2	2001	2	2	4	17	48	1.221	42	0	24.5	2.11	3.292	0	0	0	0	12	0	0	0	0
40	2	2001	2	2	4	17	46	1.207	45	0	24.5	2.11	3.292	0	0	0	0	7	0	0	1	0

41	2	2001	2	2	4	17	43	1.022	35	0	24.5	2.11	3.292	1	0	0	0	18	0	0	0	0
42	2	2001	2	2	4	17	40	0.825	38	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
43	2	2001	2	2	4	17	38	0.727	42	0	24.5	2.11	3.292	0	0	0	0	11	0	1	1	0
44	2	2001	2	2	4	17	42	0.872	40	0	24.5	2.11	3.292	0	0	0	0	11	0	1	0	0
45	2	2001	2	2	4	17	40	0.766	44	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
46	2	2001	2	2	4	17	39	0.714	41	0	24.5	2.11	3.292	2	0	0	0	4	0	0	0	0
47	2	2001	2	2	4	17	31	0.44	.	0	24.5	2.11	3.292	0	0	0	0	8	0	0	0	0
48	2	2001	2	2	4	17	32	0.442	.	0	24.5	2.11	3.292	0	0	0	0	8	0	0	0	0
49	2	2001	2	2	4	17	35	0.511	42	0	24.5	2.11	3.292	2	0	0	0	13	0	0	0	0
50	2	2001	2	2	4	17	28	0.333	.	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
51	2	2001	2	2	4	17	26	0.263	34	0	24.5	2.11	3.292	0	0	0	0	9	0	0	0	0
52	2	2001	2	2	4	17	28	0.321	28	0	24.5	2.11	3.292	0	0	0	0	5	0	0	0	0
53	2	2001	2	2	4	17	30	0.365	28	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
54	2	2001	2	2	4	17	32	0.445	32	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
55	2	2001	2	2	4	17	28	0.308	32	0	24.5	2.11	3.292	0	0	0	0	3	0	0	0	0
56	2	2001	2	2	4	17	30	0.399	30	0	24.5	2.11	3.292	0	0	0	0	7	0	0	0	0
57	2	2001	2	2	4	17	31	0.41	33	0	24.5	2.11	3.292	1	0	0	0	13	0	0	0	0
58	2	2001	2	2	4	17	29	0.333	34	0	24.5	2.11	3.292	0	0	0	0	3	0	0	0	0
59	2	2001	2	2	4	17	28	0.302	32	0	24.5	2.11	3.292	0	0	0	0	3	0	0	0	0
60	2	2001	2	2	4	17	29	0.352	42	0	24.5	2.11	3.292	0	0	0	0	4	0	0	0	0
61	2	2001	2	2	4	17	31	0.373	35	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
62	2	2001	2	2	4	17	25	0.209	24	0	24.5	2.11	3.292	0	0	0	0	8	0	0	0	0
63	2	2001	2	2	4	17	30	0.368	31	0	24.5	2.11	3.292	1	0	0	0	3	0	0	0	0
64	2	2001	2	2	4	17	30	0.388	42	0	24.5	2.11	3.292	0	0	0	0	5	0	0	0	0
65	2	2001	2	2	4	17	30	0.37	35	0	24.5	2.11	3.292	0	0	0	0	4	0	2	0	0
66	2	2001	2	2	4	17	32	0.39	40	0	24.5	2.11	3.292	0	0	0	0	8	0	0	1	0
67	2	2001	2	2	4	17	34	0.482	37	0	24.5	2.11	3.292	0	0	0	0	2	0	1	1	0
68	2	2001	2	2	4	17	29	0.345	31	0	24.5	2.11	3.292	0	0	0	0	7	0	0	0	0
69	2	2001	2	2	4	17	27	0.256	28	0	24.5	2.11	3.292	0	0	0	0	6	0	0	0	0
70	2	2001	2	2	4	17	32	0.443	35	0	24.5	2.11	3.292	0	1	0	0	4	0	2	0	0
71	2	2001	2	2	4	17	28	0.316	.	0	24.5	2.11	3.292	0	0	0	0	4	0	0	0	0
72	2	2001	2	2	4	30	61	3.319	50	0	26.49	7.35	3.475	0	0	0	0	2	0	0	0	0
73	2	2001	2	2	4	30	33	0.497	51	0	26.49	7.35	3.475	76	0	0	0	0	1	8	0	0
74	2	2001	2	2	4	30	56	2.26	60	0	26.49	7.35	3.475	0	0	0	0	3	0	0	0	0

75	2	2001	2	2	4	30	66	3.515	56	0	26.49	7.35	3.475	0	0	0	0	1	0	0	0	0
76	2	2001	2	2	4	30	42	0.756	61	0	26.49	7.35	3.475	123	1	0	0	0	0	6	0	0
77	2	2001	2	2	4	30	62	2.971	61	0	26.49	7.35	3.475	0	0	0	1	0	0	0	0	0
78	2	2001	2	2	4	30	55	2.414	60	0	26.49	7.35	3.475	1	0	0	2	0	0	11	0	0
79	2	2001	2	2	4	30	42	1.018	54	0	26.49	7.35	3.475	43	1	0	0	0	0	14	5	0
80	2	2001	2	2	4	30	41	0.912	.	0	26.49	7.35	3.475	11	0	0	0	0	0	28	0	0
81	2	2001	2	2	4	30	36	0.623	53	0	26.49	7.35	3.475	137	2	0	0	3	0	0	1	0
82	2	2001	2	2	4	30	45	1.226	49	0	26.49	7.35	3.475	4	0	0	1	0	0	6	0	0
83	2	2001	2	2	4	30	60	2.821	54	0	26.49	7.35	3.475	0	0	0	1	0	0	0	0	0
84	2	2001	2	2	4	30	51	1.751	58	0	26.49	7.35	3.475	2	0	0	0	0	0	45	2	0
85	2	2001	2	2	4	30	47	1.38	53	0	26.49	7.35	3.475	372	0	0	0	6	4	13	8	0
86	2	2001	2	2	4	30	44	1.152	52	0	26.49	7.35	3.475	32	0	0	0	2	0	3	0	0
87	2	2001	2	2	4	30	80	6.409	54	0	26.49	7.35	3.475	0	0	0	0	2	0	0	0	0
88	2	2001	2	2	4	30	64	3.502	.	0	26.49	7.35	3.475	0	0	0	0	0	0	1	0	0
89	2	2001	2	2	4	30	42	0.977	.	0	26.49	7.35	3.475	0	0	0	0	0	1	3	2	0
90	2	2001	2	2	4	30	40	0.761	.	0	26.49	7.35	3.475	231	0	0	0	0	3	17	2	0
91	2	2001	2	2	4	30	76	5.398	60	0	26.49	7.35	3.475	0	0	0	1	0	0	0	0	0
92	2	2001	2	2	4	30	61	2.991	59	0	26.49	7.35	3.475	0	0	0	1	0	0	0	1	0
93	2	2001	2	2	4	30	61	3.091	.	0	26.49	7.35	3.475	0	0	0	1	0	1	0	0	0
94	2	2001	2	2	4	30	66	3.944	56	0	26.49	7.35	3.475	0	0	0	1	0	1	0	0	0
95	2	2001	2	2	4	30	66	3.756	51	0	26.49	7.35	3.475	0	0	0	1	1	0	0	0	0
96	2	2001	2	2	4	30	49	1.501	60	0	26.49	7.35	3.475	7	0	0	0	4	0	2	0	0
97	1	2001	2	1	5	2	30	0.356	28	0	24.45	5.345	3.353	3	3	0	0	0	2	0	0	0
98	1	2001	2	1	5	2	24	0.2	20	0	24.45	5.345	3.353	27	2	0	0	0	0	0	0	0
99	1	2001	2	1	5	2	33	0.452	27	0	24.45	5.345	3.353	1	2	0	0	3	7	0	0	0
100	1	2001	2	1	5	2	33	0.448	28	0	24.45	5.345	3.353	11	1	1	0	2	8	0	0	0
101	1	2001	2	1	5	2	28	0.299	26	0	24.45	5.345	3.353	6	1	0	0	0	2	0	0	0
102	1	2001	2	1	5	2	41	1.006	34	0	24.45	5.345	3.353	0	0	0	1	0	0	0	0	0
103	1	2001	2	1	5	2	55	2.017	.	0	24.45	5.345	3.353	48	1	0	1	0	0	0	0	0
104	1	2001	2	1	5	2	52	1.835	.	0	24.45	5.345	3.353	0	0	0	1	0	1	1	0	0
105	1	2001	2	1	5	2	34	0.49	26	0	24.45	5.345	3.353	7	3	0	0	2	5	0	0	0
106	1	2001	2	1	5	2	22	0.138	20	0	24.45	5.345	3.353	37	1	0	0	0	2	0	0	0
107	1	2001	2	1	5	2	32	0.398	26	0	24.45	5.345	3.353	14	1	0	0	2	8	0	0	0
108	1	2001	2	1	5	2	31	0.36	23	0	24.45	5.345	3.353	20	0	0	0	4	8	0	0	0

109	1	2001	2	1	5	2	29	0.321	23	0	24.45	5.345	3.353	3	2	0	0	0	0	0	0	0
110	1	2001	2	1	5	2	29	0.355	24	0	24.45	5.345	3.353	2	4	0	0	0	0	0	0	0
111	1	2001	2	1	5	2	27	0.246	23	0	24.45	5.345	3.353	2	3	0	0	0	0	0	0	0
112	1	2001	2	1	5	2	25	0.222	23	0	24.45	5.345	3.353	25	0	0	0	2	2	0	0	0
113	1	2001	2	1	5	2	22	0.122	21	0	24.45	5.345	3.353	25	1	0	0	0	3	0	0	0
114	1	2001	2	1	5	2	31	0.367	23	0	24.45	5.345	3.353	24	7	0	0	0	7	0	0	0
115	1	2001	2	1	5	2	25	0.246	21	0	24.45	5.345	3.353	14	2	0	0	1	0	0	0	0
116	1	2001	2	1	5	2	31	0.357	24	0	24.45	5.345	3.353	15	2	0	0	0	8	0	0	0
117	1	2001	2	1	5	2	26	0.26	23	0	24.45	5.345	3.353	10	3	0	0	0	1	1	0	0
118	1	2001	2	1	5	2	31	0.392	23	0	24.45	5.345	3.353	11	3	0	0	1	3	0	0	0
119	1	2001	2	1	5	2	28	0.31	22	0	24.45	5.345	3.353	2	5	0	0	0	1	0	0	0
120	1	2001	2	1	5	2	31	0.42	26	0	24.45	5.345	3.353	17	0	0	0	2	6	0	0	0
121	1	2001	2	1	5	2	23	0.176	21	0	24.45	5.345	3.353	17	0	0	0	2	3	0	0	0
122	1	2001	2	1	5	2	31	0.383	26	0	24.45	5.345	3.353	8	3	0	0	0	1	0	0	0
123	1	2001	2	1	5	2	22	0.156	21	0	24.45	5.345	3.353	46	0	0	0	0	0	0	0	0
124	1	2001	2	1	5	2	29	0.317	22	0	24.45	5.345	3.353	4	2	0	0	3	0	0	0	0
125	1	2001	2	1	5	2	25	0.216	22	0	24.45	5.345	3.353	7	1	0	0	0	4	0	0	0
126	1	2001	2	1	5	2	27	0.245	.	0	24.45	5.345	3.353	27	0	0	0	0	0	0	0	0
127	1	2001	2	1	5	2	31	0.418	26	0	24.45	5.345	3.353	3	5	0	0	0	1	0	0	0
128	1	2001	2	1	5	2	29	0.333	25	0	24.45	5.345	3.353	5	1	0	1	1	1	0	0	0
129	1	2001	2	1	5	2	27	0.295	20	0	24.45	5.345	3.353	13	4	0	0	0	3	0	0	0
130	1	2001	2	1	5	2	33	0.474	25	0	24.45	5.345	3.353	3	2	0	1	0	2	0	0	0
131	1	2001	2	1	5	2	21	0.116	20	0	24.45	5.345	3.353	16	2	0	0	0	0	0	0	0
132	1	2001	2	1	5	2	31	0.366	26	0	24.45	5.345	3.353	27	3	0	0	6	2	0	0	0
133	1	2001	2	1	5	2	30	0.35	24	0	24.45	5.345	3.353	0	1	0	0	0	0	0	0	0
134	1	2001	2	1	5	2	23	0.146	21	0	24.45	5.345	3.353	10	1	0	0	0	0	0	0	0
135	1	2001	2	1	5	2	26	0.22	26	0	24.45	5.345	3.353	21	0	0	0	0	0	0	0	0
136	1	2001	2	1	5	2	23	0.166	25	0	24.45	5.345	3.353	8	3	0	0	0	2	0	0	0
137	1	2001	2	1	5	15	79	5.949	67	10	27.29	6.1	2.408	0	0	0	1	0	0	0	0	0
138	1	2001	2	1	5	15	36	0.687	40	10	27.29	6.1	2.408	0	0	0	0	6	0	0	0	0
139	1	2001	2	1	5	15	59	2.52	63	10	27.29	6.1	2.408	0	0	0	0	0	0	0	0	0
140	1	2001	2	1	5	15	68	4.247	80	10	27.29	6.1	2.408	0	0	0	0	0	0	0	0	0
141	1	2001	2	1	5	15	34	0.544	36	10	27.29	6.1	2.408	0	0	0	3	5	0	0	0	0
142	1	2001	2	1	5	15	71	4.771	72	10	27.29	6.1	2.408	0	0	0	3	0	0	0	0	0

143	1	2001	2	1	5	15	63	3.598	.	10	27.29	6.1	2.408	0	2	0	0	0	0	0	0	0
144	1	2001	2	1	5	15	34	0.524	.	10	27.29	6.1	2.408	0	1	0	0	2	0	0	0	0
145	1	2001	2	1	5	15	62	4.389	.	10	27.29	6.1	2.408	0	0	0	1	5	0	0	0	0
146	1	2001	2	1	5	15	31	0.69	35	10	27.29	6.1	2.408	0	0	0	0	7	0	0	0	0
147	1	2001	2	1	5	15	40	0.94	43	10	27.29	6.1	2.408	0	0	0	0	4	0	0	0	0
148	1	2001	2	1	5	15	48	1.576	60	10	27.29	6.1	2.408	0	0	0	0	7	0	0	0	0
149	1	2001	2	1	5	15	35	0.654	32	10	27.29	6.1	2.408	7	0	0	0	3	0	0	0	0
150	1	2001	2	1	5	15	66	3.776	65	10	27.29	6.1	2.408	0	0	0	0	5	0	0	0	0
151	1	2001	2	1	5	15	70	4.496	73	10	27.29	6.1	2.408	0	0	0	0	0	0	0	0	0
152	1	2001	2	1	5	15	35	0.667	40	10	27.29	6.1	2.408	3	1	0	0	5	1	0	0	0
153	1	2001	2	1	5	15	55	2.225	62	10	27.29	6.1	2.408	1	0	0	1	1	0	0	0	0
154	1	2001	2	1	5	15	40	0.924	41	10	27.29	6.1	2.408	10	0	0	0	4	2	0	0	0
155	1	2001	2	1	5	15	40	0.878	42	10	27.29	6.1	2.408	5	0	0	0	8	0	0	0	0
156	1	2001	2	1	5	15	56	2.419	61	10	27.29	6.1	2.408	0	0	0	0	0	0	0	0	0
157	1	2001	2	1	5	15	49	1.517	62	10	27.29	6.1	2.408	0	0	0	0	8	0	0	0	0
158	1	2001	2	1	5	15	49	1.552	60	10	27.29	6.1	2.408	0	0	0	0	7	0	0	0	0
159	1	2001	2	1	5	15	48	1.396	42	10	27.29	6.1	2.408	0	0	0	0	1	0	0	0	0
160	1	2001	2	1	5	15	35	0.606	35	10	27.29	6.1	2.408	0	0	0	0	6	0	0	0	0
161	1	2001	2	1	5	15	59	3.081	60	10	27.29	6.1	2.408	0	0	0	0	1	0	0	0	0
162	1	2001	2	1	5	15	31	0.449	42	10	27.29	6.1	2.408	15	0	0	0	2	2	0	0	0
163	1	2001	2	1	5	15	42	0.979	53	10	27.29	6.1	2.408	0	0	0	0	5	0	0	0	0
164	2	2001	2	2	5	16	73	5.077	65	30	27.58	6.42	2.347	0	0	0	0	1	0	0	0	0
165	2	2001	2	2	5	16	62	3.04	.	30	27.58	6.42	2.347	6	7	0	0	0	0	4	0	0
166	2	2001	2	2	5	16	48	1.537	65	30	27.58	6.42	2.347	280	0	0	3	1	3	1	0	0
167	2	2001	2	2	5	16	44	1.078	72	30	27.58	6.42	2.347	465	0	0	0	0	0	6	0	0
168	2	2001	2	2	5	16	57	2.581	.	30	27.58	6.42	2.347	1	11	0	0	0	4	0	0	0
169	2	2001	2	2	5	16	56	2.124	70	30	27.58	6.42	2.347	12	1	0	0	0	0	2	5	0
170	2	2001	2	2	5	16	45	1.163	.	30	27.58	6.42	2.347	0	0	0	0	0	0	1	0	0
171	2	2001	2	2	5	16	51	1.747	60	30	27.58	6.42	2.347	29	3	0	0	0	3	3	7	0
172	2	2001	2	2	5	16	55	2.106	65	30	27.58	6.42	2.347	16	1	0	0	0	0	4	0	7
173	2	2001	2	2	5	16	53	1.991	60	30	27.58	6.42	2.347	58	1	0	0	2	0	15	0	0
174	2	2001	2	2	5	16	52	1.808	50	30	27.58	6.42	2.347	19	1	0	0	0	0	0	0	0
175	2	2001	2	2	5	16	48	1.561	50	30	27.58	6.42	2.347	16	0	0	0	0	0	3	2	0
176	2	2001	2	2	5	16	59	2.486	50	30	27.58	6.42	2.347	2	0	0	0	0	0	0	0	0

177	2	2001	2	2	5	16	44	1.154	50	30	27.58	6.42	2.347	93	1	0	0	0	0	0	0	0
178	2	2001	2	2	5	16	45	1.199	45	30	27.58	6.42	2.347	81	0	0	0	0	0	11	0	0
179	2	2001	2	2	5	16	47	1.323	60	30	27.58	6.42	2.347	76	0	0	0	0	0	1	0	0
180	2	2001	2	2	5	16	47	1.332	65	30	27.58	6.42	2.347	83	0	0	0	0	0	47	0	0
181	2	2001	2	2	5	16	56	2.54	60	30	27.58	6.42	2.347	9	2	0	0	0	0	5	6	0
182	2	2001	2	2	5	16	49	1.594	60	30	27.58	6.42	2.347	246	0	0	0	0	0	11	0	0
183	2	2001	2	2	5	16	46	1.313	50	30	27.58	6.42	2.347	400	0	0	0	0	0	0	3	0
184	2	2001	2	2	5	16	42	1.109	56	30	27.58	6.42	2.347	83	0	0	0	0	0	2	0	0
185	2	2001	2	2	5	16	46	1.216	.	30	27.58	6.42	2.347	54	1	0	0	0	0	4	0	0
186	2	2001	2	2	5	16	51	1.688	61	30	27.58	6.42	2.347	100	1	0	0	0	0	0	5	0
187	2	2001	2	2	5	16	52	1.857	63	30	27.58	6.42	2.347	19	0	0	0	0	0	3	2	0
188	2	2001	2	2	5	16	67	3.845	67	30	27.58	6.42	2.347	0	0	0	1	0	0	0	0	0
189	2	2001	2	2	5	16	67	3.737	64	30	27.58	6.42	2.347	0	0	0	1	0	0	0	0	0
190	2	2001	2	2	5	16	60	2.821	.	30	27.58	6.42	2.347	23	0	0	0	0	0	0	0	0
191	2	2001	2	2	5	16	46	1.213	50	30	27.58	6.42	2.347	47	0	0	0	0	0	1	0	0
192	2	2001	2	2	5	16	57	2.305	56	30	27.58	6.42	2.347	92	3	0	0	0	0	2	2	0
193	2	2001	2	2	5	16	57	2.266	58	30	27.58	6.42	2.347	0	1	0	0	1	0	2	0	0
194	2	2001	2	2	5	16	85	8.106	.	30	27.58	6.42	2.347	0	0	0	0	1	0	3	0	0
195	2	2001	2	2	5	16	92	12.21	.	30	27.58	6.42	2.347	1	0	0	1	0	0	0	0	0
196	2	2001	2	2	5	16	82	7.063	60	30	27.58	6.42	2.347	0	0	0	0	0	0	0	0	0
197	2	2001	2	2	5	30	51	1.472	60	95	29.65	10.26	2.956	276	1	0	0	0	0	4	0	0
198	2	2001	2	2	5	30	58	2.433	75	95	29.65	10.26	2.956	192	2	0	0	0	1	0	0	0
199	2	2001	2	2	5	30	51	1.582	65	95	29.65	10.26	2.956	0	0	0	0	0	0	0	0	0
200	2	2001	2	2	5	30	55	2.026	70	95	29.65	10.26	2.956	28	6	0	0	0	0	2	0	0
201	2	2001	2	2	5	30	61	2.423	.	95	29.65	10.26	2.956	9	0	0	0	33	0	26	0	0
202	2	2001	2	2	5	30	55	1.911	68	95	29.65	10.26	2.956	30	1	3	0	0	0	23	0	0
203	2	2001	2	2	5	30	77	4.557	85	95	29.65	10.26	2.956	6	13	0	0	0	0	0	0	0
204	2	2001	2	2	5	30	77	5.497	75	95	29.65	10.26	2.956	4	0	1	2	0	0	2	0	1
205	2	2001	2	2	5	30	60	2.656	85	95	29.65	10.26	2.956	1	0	0	0	0	0	0	4	0
206	2	2001	2	2	5	30	33	0.429	.	95	29.65	10.26	2.956	27	1	0	0	0	0	1	0	0
207	2	2001	2	2	5	30	63	2.757	.	95	29.65	10.26	2.956	51	5	0	0	0	0	2	1	1
208	2	2001	2	2	5	30	61	2.811	65	95	29.65	10.26	2.956	102	0	0	0	0	0	12	0	0
209	2	2001	2	2	5	30	61	3.142	65	95	29.65	10.26	2.956	1	0	0	0	0	0	6	17	0
210	2	2001	2	2	5	30	53	1.87	65	95	29.65	10.26	2.956	1	0	1	0	0	1	5	2	0

211	2	2001	2	2	5	30	60	2.51	.	95	29.65	10.26	2.956	28	2	3	0	0	0	3	2	0
212	2	2001	2	2	5	30	47	1.216	.	95	29.65	10.26	2.956	261	1	0	0	0	0	10	0	0
213	2	2001	2	2	5	30	62	2.899	70	95	29.65	10.26	2.956	0	5	0	0	0	0	0	0	0
214	2	2001	2	2	5	30	50	1.671	85	95	29.65	10.26	2.956	65	0	0	0	1	0	1	7	0
215	2	2001	2	2	5	30	59	2.752	.	95	29.65	10.26	2.956	1	0	1	0	0	0	3	10	0
216	2	2001	2	2	5	30	60	2.684	.	95	29.65	10.26	2.956	27	0	0	0	0	0	0	8	0
217	2	2001	2	2	5	30	89	8.078	.	95	29.65	10.26	2.956	0	3	0	1	0	0	1	0	4
218	2	2001	2	2	5	30	80	6.575	.	95	29.65	10.26	2.956	11	3	1	0	0	0	0	0	0
219	2	2001	2	2	5	30	96	10.07	.	95	29.65	10.26	2.956	0	0	0	0	0	0	0	0	1
220	2	2001	2	2	5	30	98	10.14	.	95	29.65	10.26	2.956	0	0	0	0	0	0	0	0	9
221	2	2001	2	2	5	30	85	7.976	.	95	29.65	10.26	2.956	0	0	0	0	0	0	0	0	0
222	2	2001	2	2	5	30	88	8.368	.	95	29.65	10.26	2.956	172	0	0	2	0	0	21	0	0
223	2	2001	2	2	5	30	99	12.03	.	95	29.65	10.26	2.956	0	1	0	3	0	0	4	1	0
224	2	2001	2	2	5	30	116	17.81	.	95	29.65	10.26	2.956	0	0	0	0	1	0	0	0	0
225	1	2001	2	1	6	1	76	5.421	82	15	26.99	5.08	3.109	0	5	0	0	7	1	1	0	0
226	1	2001	2	1	6	1	40	0.85	40	15	26.99	5.08	3.109	2	0	0	0	0	0	0	0	0
227	1	2001	2	1	6	1	44	0.949	42	15	26.99	5.08	3.109	8	0	0	0	7	0	0	0	0
228	1	2001	2	1	6	1	86	7.562	84	15	26.99	5.08	3.109	8	0	0	0	0	0	0	0	0
229	1	2001	2	1	6	1	41	0.907	40	15	26.99	5.08	3.109	0	1	0	1	1	0	0	0	0
230	1	2001	2	1	6	1	54	2.199	71	15	26.99	5.08	3.109	0	0	0	0	0	0	0	0	0
231	1	2001	2	1	6	1	63	3.156	82	15	26.99	5.08	3.109	0	0	0	0	0	0	0	0	0
232	1	2001	2	1	6	1	42	0.963	40	15	26.99	5.08	3.109	47	5	0	0	2	0	0	0	0
233	1	2001	2	1	6	1	37	0.654	40	15	26.99	5.08	3.109	4	0	0	0	6	0	1	0	0
234	1	2001	2	1	6	1	35	0.506	.	15	26.99	5.08	3.109	6	0	0	0	4	0	0	0	0
235	1	2001	2	1	6	1	81	6.53	72	15	26.99	5.08	3.109	1	1	0	0	0	0	0	0	0
236	1	2001	2	1	6	1	31	0.409	48	15	26.99	5.08	3.109	69	2	0	1	1	0	0	0	0
237	1	2001	2	1	6	1	46	1.365	56	15	26.99	5.08	3.109	12	1	0	0	4	0	0	1	0
238	1	2001	2	1	6	1	38	0.679	.	15	26.99	5.08	3.109	3	2	0	0	2	3	2	0	0
239	1	2001	2	1	6	1	32	0.469	.	15	26.99	5.08	3.109	22	0	0	0	1	0	2	0	1
240	1	2001	2	1	6	1	99	13.44	.	15	26.99	5.08	3.109	0	0	0	2	0	0	0	0	0
241	1	2001	2	1	6	1	102	17.47	.	15	26.99	5.08	3.109	0	0	0	0	2	0	0	0	0
242	1	2001	2	1	6	1	72	3.775	.	15	26.99	5.08	3.109	0	0	0	1	1	0	0	0	0
243	1	2001	2	1	6	1	62	2.732	.	15	26.99	5.08	3.109	0	0	0	0	0	0	0	0	1
244	1	2001	2	1	6	1	37	0.75	45	15	26.99	5.08	3.109	3	0	0	0	5	0	1	0	0

245	1	2001	2	1	6	1	79	5.827	75	15	26.99	5.08	3.109	0	0	0	0	0	0	0	0	0
246	1	2001	2	1	6	1	78	6.203	82	15	26.99	5.08	3.109	5	3	0	0	6	3	0	0	0
247	2	2001	2	2	6	11	75	4.916	82	5	26	3.91	3.718	0	0	0	0	0	0	2	0	0
248	2	2001	2	2	6	11	57	2.624	84	5	26	3.91	3.718	0	1	4	0	0	0	4	1	0
249	2	2001	2	2	6	11	65	3.326	.	5	26	3.91	3.718	0	0	0	0	0	0	3	0	0
250	2	2001	2	2	6	11	62	2.728	76	5	26	3.91	3.718	0	11	1	0	0	0	0	0	0
251	2	2001	2	2	6	11	55	2.121	84	5	26	3.91	3.718	315	2	1	0	0	0	2	0	0
252	2	2001	2	2	6	11	55	1.882	85	5	26	3.91	3.718	17	2	0	0	0	0	4	1	0
253	2	2001	2	2	6	11	61	2.677	76	5	26	3.91	3.718	58	0	0	0	0	0	0	1	0
254	2	2001	2	2	6	11	60	2.728	84	5	26	3.91	3.718	5	0	5	0	0	0	1	0	0
255	2	2001	2	2	6	11	56	2.302	85	5	26	3.91	3.718	12	0	11	0	0	0	2	0	0
256	2	2001	2	2	6	11	41	1.182	50	5	26	3.91	3.718	13	0	0	0	0	0	3	1	0
257	2	2001	2	2	6	11	57	2.418	70	5	26	3.91	3.718	89	1	2	0	0	1	0	0	0
258	2	2001	2	2	6	11	47	1.446	44	5	26	3.91	3.718	93	1	0	0	0	0	1	1	0
259	2	2001	2	2	6	11	52	1.793	.	5	26	3.91	3.718	0	1	0	0	0	0	3	0	1
260	2	2001	2	2	6	11	65	3.41	60	5	26	3.91	3.718	54	0	0	0	0	0	3	0	0
261	2	2001	2	2	6	11	91	8.36	77	5	26	3.91	3.718	7	0	1	3	0	0	0	0	0
262	2	2001	2	2	6	11	70	4.05	92	5	26	3.91	3.718	122	1	0	0	0	0	0	0	0
263	2	2001	2	2	6	11	108	13.36	.	5	26	3.91	3.718	20	1	0	0	0	0	1	0	0
264	2	2001	2	2	6	11	80	6.186	76	5	26	3.91	3.718	225	0	2	0	0	1	2	0	0
265	2	2001	2	2	6	11	103	13.09	.	5	26	3.91	3.718	0	0	0	1	0	0	0	0	0
266	2	2001	2	2	6	11	78	5.646	90	5	26	3.91	3.718	0	0	0	0	0	0	0	0	0
267	2	2001	2	2	6	11	79	5.745	60	5	26	3.91	3.718	25	1	0	0	0	0	1	0	0
268	2	2001	2	2	6	11	61	2.68	73	5	26	3.91	3.718	0	0	0	0	0	0	0	0	0
269	2	2001	2	2	6	11	65	3.561	74	5	26	3.91	3.718	0	0	0	0	0	0	0	0	0
270	2	2001	2	2	6	11	63	3.067	77	5	26	3.91	3.718	60	0	1	0	0	0	0	0	0
271	2	2001	2	2	6	11	67	3.315	82	5	26	3.91	3.718	22	0	0	1	0	0	1	0	0
272	2	2001	2	2	6	11	74	4.745	85	5	26	3.91	3.718	46	0	0	0	0	0	0	0	0
273	2	2001	2	2	6	11	71	4.031	72	5	26	3.91	3.718	95	0	0	0	0	0	7	0	0
274	2	2001	2	2	6	11	61	2.922	80	5	26	3.91	3.718	42	0	0	0	0	0	33	0	3
275	2	2001	2	2	6	11	71	4.592	85	5	26	3.91	3.718	113	0	0	0	0	0	0	0	1
276	2	2001	2	2	6	11	62	3.99	75	5	26	3.91	3.718	124	0	0	0	0	0	1	0	0
277	2	2001	2	2	6	11	75	4.947	70	5	26	3.91	3.718	90	1	0	1	0	0	0	0	0
278	2	2001	2	2	6	11	86	7.309	87	5	26	3.91	3.718	7	0	1	2	0	0	0	0	0

279	2	2001	2	2	6	11	83	7.204	90	5	26	3.91	3.718	0	1	1	0	0	0	1	0	3
280	1	2001	2	1	6	12	46	1.249	56	1	24.63	5.57	3.657	4	1	0	0	0	0	0	0	0
281	1	2001	2	1	6	12	50	1.563	56	1	24.63	5.57	3.657	0	0	0	0	2	0	0	0	0
282	1	2001	2	1	6	12	44	1.094	50	1	24.63	5.57	3.657	0	7	0	0	0	0	0	0	0
283	1	2001	2	1	6	12	40	0.92	55	1	24.63	5.57	3.657	1	12	0	0	0	1	0	0	0
284	1	2001	2	1	6	12	58	2.707	58	1	24.63	5.57	3.657	0	0	0	2	0	0	0	0	0
285	1	2001	2	1	6	12	46	1.205	50	1	24.63	5.57	3.657	0	0	0	0	1	0	0	0	0
286	1	2001	2	1	6	12	47	1.259	64	1	24.63	5.57	3.657	0	2	0	1	3	3	0	0	0
287	1	2001	2	1	6	12	43	1.01	.	1	24.63	5.57	3.657	4	8	1	0	1	2	0	0	0
288	1	2001	2	1	6	12	45	1.119	55	1	24.63	5.57	3.657	0	1	0	0	0	0	0	0	0
289	1	2001	2	1	6	12	50	1.788	55	1	24.63	5.57	3.657	0	1	0	0	11	0	0	0	0
290	1	2001	2	1	6	12	46	1.315	53	1	24.63	5.57	3.657	0	5	0	0	0	0	1	0	0
291	1	2001	2	1	6	12	40	0.84	50	1	24.63	5.57	3.657	1	7	0	2	0	0	0	0	0
292	1	2001	2	1	6	12	54	2.12	66	1	24.63	5.57	3.657	3	8	0	1	0	1	1	0	0
293	1	2001	2	1	6	12	58	2.556	56	1	24.63	5.57	3.657	0	1	0	1	1	0	0	0	0
294	1	2001	2	1	6	12	47	1.407	55	1	24.63	5.57	3.657	0	1	0	0	0	4	0	0	0
295	1	2001	2	1	6	12	48	1.389	.	1	24.63	5.57	3.657	1	7	0	0	2	1	0	0	0
296	1	2001	2	1	6	12	43	1.11	52	1	24.63	5.57	3.657	0	2	0	0	2	3	0	0	0
297	1	2001	2	1	6	12	48	1.44	56	1	24.63	5.57	3.657	0	0	0	0	1	2	0	0	0
298	1	2001	2	1	6	12	55	2.242	55	1	24.63	5.57	3.657	7	0	0	0	13	0	0	0	0
299	1	2001	2	1	6	12	52	1.924	58	1	24.63	5.57	3.657	6	1	0	0	13	0	0	0	0
300	1	2001	2	1	6	12	52	1.779	.	1	24.63	5.57	3.657	0	0	0	0	0	0	0	0	0
301	1	2001	2	1	6	12	65	4.021	.	1	24.63	5.57	3.657	0	0	0	0	0	2	0	0	0
302	1	2001	2	1	6	12	73	4.426	.	1	24.63	5.57	3.657	0	0	0	1	0	1	0	0	0
303	1	2001	2	1	6	12	68	4.154	.	1	24.63	5.57	3.657	0	1	0	0	1	13	0	0	0
304	1	2001	2	1	6	12	74	4.961	.	1	24.63	5.57	3.657	0	0	0	2	0	7	1	0	0
305	1	2001	2	1	6	12	74	5.435	.	1	24.63	5.57	3.657	0	0	0	2	1	3	0	0	0
306	1	2001	2	1	6	12	82	7.059	.	1	24.63	5.57	3.657	0	0	0	1	0	0	0	0	0
307	1	2001	2	1	6	12	82	6.99	.	1	24.63	5.57	3.657	0	0	0	0	0	14	0	0	0
308	1	2001	2	1	6	12	85	8.714	.	1	24.63	5.57	3.657	0	0	0	1	0	1	0	0	0
309	1	2001	2	1	6	12	100	14.67	.	1	24.63	5.57	3.657	0	0	0	2	0	0	0	0	0
310	2	2001	2	2	6	29	65	3.491	87	50	27.87	2.96	3.048	5	0	3	0	2	0	0	1	0
311	2	2001	2	2	6	29	79	6.704	90	50	27.87	2.96	3.048	0	0	13	0	0	0	0	0	0
312	2	2001	2	2	6	29	73	5.06	109	50	27.87	2.96	3.048	12	2	2	0	0	0	0	1	0

313	2	2001	2	2	6	29	71	4.721	96	50	27.87	2.96	3.048	1	1	7	1	0	0	0	0	0
314	2	2001	2	2	6	29	76	5.231	90	50	27.87	2.96	3.048	0	0	0	1	0	0	0	0	0
315	2	2001	2	2	6	29	70	4.003	82	50	27.87	2.96	3.048	5	1	0	0	0	1	0	0	0
316	2	2001	2	2	6	29	54	1.674	.	50	27.87	2.96	3.048	70	0	0	0	0	0	0	0	0
317	2	2001	2	2	6	29	71	3.961	78	50	27.87	2.96	3.048	49	0	0	0	0	0	1	0	0
318	2	2001	2	2	6	29	49	1.474	56	50	27.87	2.96	3.048	3	1	0	0	0	0	0	0	0
319	2	2001	2	2	6	29	73	4.515	85	50	27.87	2.96	3.048	3	0	0	0	0	0	0	0	0
320	2	2001	2	2	6	29	69	4.422	95	50	27.87	2.96	3.048	13	3	10	0	1	0	0	0	0
321	2	2001	2	2	6	29	78	5.985	.	50	27.87	2.96	3.048	0	0	0	1	0	0	0	0	1
322	2	2001	2	2	6	29	74	4.948	.	50	27.87	2.96	3.048	43	1	1	0	0	0	0	0	0
323	2	2001	2	2	6	29	81	7.179	.	50	27.87	2.96	3.048	0	0	0	1	1	0	0	0	0
324	2	2001	2	2	6	29	84	6.516	.	50	27.87	2.96	3.048	0	0	0	0	0	0	0	0	0
325	2	2001	2	2	6	29	82	6.706	.	50	27.87	2.96	3.048	2	0	0	0	0	0	0	0	0
326	2	2001	2	2	6	29	84	8.216	.	50	27.87	2.96	3.048	0	0	3	0	0	0	0	0	0
327	2	2001	2	2	6	29	81	6.367	.	50	27.87	2.96	3.048	1	0	0	0	0	0	0	0	0
328	2	2001	2	2	6	29	81	5.752	.	50	27.87	2.96	3.048	1	1	0	0	1	0	0	0	0
329	2	2001	2	2	6	29	80	6.891	.	50	27.87	2.96	3.048	0	1	1	0	0	0	0	0	1
330	2	2001	2	2	6	29	93	10.34	.	50	27.87	2.96	3.048	0	0	0	3	0	0	0	0	0
331	2	2001	2	2	6	29	89	8.493	.	50	27.87	2.96	3.048	0	0	2	0	0	0	2	0	0
332	2	2001	2	2	6	29	102	12.42	.	50	27.87	2.96	3.048	0	0	0	0	0	0	0	0	0
333	2	2001	2	2	6	29	113	16.49	.	50	27.87	2.96	3.048	0	0	0	1	0	0	0	0	0
334	2	2001	2	2	6	29	132	36.07	.	50	27.87	2.96	3.048	0	0	1	0	1	0	0	0	0
335	2	2001	2	2	6	29	117	24.59	.	50	27.87	2.96	3.048	0	0	1	1	0	0	0	0	0
336	2	2001	2	2	6	29	103	12.54	.	50	27.87	2.96	3.048	0	0	0	0	0	0	0	0	0
337	2	2001	2	2	6	29	120	23	.	50	27.87	2.96	3.048	0	0	0	3	0	0	0	0	0
338	2	2001	2	2	6	29	125	26.64	.	50	27.87	2.96	3.048	0	0	0	1	0	0	0	0	0
339	2	2001	2	2	6	29	128	29.37	.	50	27.87	2.96	3.048	0	0	0	1	0	0	0	0	0
340	1	2001	2	1	6	25	87	8.284	95	1	26.47	1.77	3.505	0	9	0	0	0	0	0	0	0
341	1	2001	2	1	6	25	73	4.621	80	1	26.47	1.77	3.505	0	3	0	1	0	1	1	0	0
342	1	2001	2	1	6	25	59	2.729	80	1	26.47	1.77	3.505	0	0	0	0	16	1	0	0	0
343	1	2001	2	1	6	25	112	22.41	.	1	26.47	1.77	3.505	0	0	0	1	0	0	0	0	0
344	1	2001	2	1	6	25	104	18.36	.	1	26.47	1.77	3.505	0	0	0	1	2	0	0	0	0
345	1	2001	2	1	6	25	90	9.425	.	1	26.47	1.77	3.505	0	0	0	1	0	2	0	0	0
346	1	2001	2	1	6	25	61	2.971	60	1	26.47	1.77	3.505	0	0	0	0	11	0	0	0	0

347	1	2001	2	1	6	25	69	3.952	62	1	26.47	1.77	3.505	0	0	0	0	0	0	0	0	0
348	1	2001	2	1	6	25	92	9.78	.	1	26.47	1.77	3.505	0	0	0	1	2	1	0	0	0
349	1	2001	2	1	6	25	100	11.89	.	1	26.47	1.77	3.505	0	0	0	0	1	0	0	0	0
350	1	2001	2	1	6	25	77	6.602	74	1	26.47	1.77	3.505	0	1	0	2	0	0	0	0	0
351	1	2001	2	1	6	25	87	8.875	85	1	26.47	1.77	3.505	0	0	0	1	1	1	0	0	0
352	1	2001	2	1	6	25	90	10.75	.	1	26.47	1.77	3.505	1	0	0	1	1	0	0	0	0
353	1	2001	2	1	6	25	91	9.398	.	1	26.47	1.77	3.505	0	0	0	0	0	0	0	0	0
354	1	2001	2	1	6	25	94	12.26	.	1	26.47	1.77	3.505	0	0	0	1	0	0	0	0	0
355	1	2001	2	1	6	25	69	4.365	.	1	26.47	1.77	3.505	0	0	0	1	2	0	0	0	0
356	1	2001	2	1	6	25	67	3.978	60	1	26.47	1.77	3.505	6	8	0	0	11	0	0	0	0
357	1	2001	2	1	6	25	66	3.043	.	1	26.47	1.77	3.505	0	0	0	0	9	0	0	0	0
358	1	2001	2	1	6	25	57	2.419	.	1	26.47	1.77	3.505	113	2	0	0	3	0	1	0	0
359	1	2001	2	1	6	25	88	8.358	.	1	26.47	1.77	3.505	0	0	0	0	0	0	0	0	0
360	1	2001	2	1	6	25	96	10.24	.	1	26.47	1.77	3.505	0	1	0	0	2	1	0	0	0
361	1	2001	2	1	6	25	84	8.166	.	1	26.47	1.77	3.505	2	1	0	0	2	0	0	0	1
362	1	2001	2	1	6	25	74	5.716	.	1	26.47	1.77	3.505	0	0	0	1	0	0	0	0	0
363	1	2001	2	1	6	25	105	15.07	.	1	26.47	1.77	3.505	0	0	1	3	1	0	1	0	0
364	1	2001	2	1	6	25	128	27.92	.	1	26.47	1.77	3.505	6	0	0	3	0	0	1	0	0
365	1	2001	2	1	6	25	113	19.99	.	1	26.47	1.77	3.505	0	1	0	0	0	0	0	0	0
366	1	2001	2	1	6	25	98	11.42	.	1	26.47	1.77	3.505	0	0	0	0	1	0	0	0	0
367	1	2001	2	1	6	25	88	8.742	.	1	26.47	1.77	3.505	0	0	0	1	1	0	0	0	1
368	1	2001	2	1	6	25	87	9.277	.	1	26.47	1.77	3.505	0	0	0	1	0	1	0	0	0
369	1	2001	2	1	6	25	78	6.176	.	1	26.47	1.77	3.505	0	0	0	1	0	0	0	0	0
370	1	2001	2	1	6	25	60	2.951	.	1	26.47	1.77	3.505	25	7	0	0	12	3	6	0	0
371	1	2001	2	1	6	25	115	20.61	.	1	26.47	1.77	3.505	0	0	0	0	0	0	0	0	0
372	1	2001	2	1	6	25	93	10.32	.	1	26.47	1.77	3.505	0	0	0	0	4	0	0	0	0
373	1	2001	2	1	6	25	90	11.29	.	1	26.47	1.77	3.505	0	0	0	1	0	0	0	0	0
374	1	2001	2	1	6	25	104	14.7	.	1	26.47	1.77	3.505	0	0	0	3	0	0	0	0	0
375	1	2001	2	1	6	25	99	12.91	.	1	26.47	1.77	3.505	0	0	0	5	0	3	0	0	0
376	1	2001	2	1	6	25	99	14.47	.	1	26.47	1.77	3.505	0	2	0	1	1	1	0	0	0
377	1	2001	2	1	7	10	106	15.55	.	100	29.4	4.97	2.133	0	0	0	0	3	0	0	0	0
378	1	2001	2	1	7	10	101	12.68	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
379	1	2001	2	1	7	10	87	8.385	.	100	29.4	4.97	2.133	0	0	0	1	4	0	0	0	0
380	1	2001	2	1	7	10	108	16.84	.	100	29.4	4.97	2.133	0	0	0	1	2	0	0	0	0

381	1	2001	2	1	7	10	105	15.18	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
382	1	2001	2	1	7	10	80	6.297	.	100	29.4	4.97	2.133	0	2	0	0	3	0	0	0	0
383	1	2001	2	1	7	10	92	9.527	.	100	29.4	4.97	2.133	1	0	0	0	11	0	1	0	0
384	1	2001	2	1	7	10	94	10.27	.	100	29.4	4.97	2.133	0	1	0	0	2	0	0	0	0
385	1	2001	2	1	7	10	95	10.61	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
386	1	2001	2	1	7	10	107	15.98	.	100	29.4	4.97	2.133	0	0	0	1	2	0	0	0	0
387	1	2001	2	1	7	10	80	5.869	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
388	1	2001	2	1	7	10	84	6.697	.	100	29.4	4.97	2.133	0	0	0	0	1	0	0	0	0
389	1	2001	2	1	7	10	106	10.24	.	100	29.4	4.97	2.133	0	0	0	0	1	0	0	0	0
390	1	2001	2	1	7	10	68	3.667	.	100	29.4	4.97	2.133	0	4	0	0	0	0	0	0	0
391	1	2001	2	1	7	10	92	9.83	.	100	29.4	4.97	2.133	0	0	0	0	4	0	0	0	0
392	1	2001	2	1	7	10	101	15.08	.	100	29.4	4.97	2.133	0	0	0	0	3	0	0	0	0
393	1	2001	2	1	7	10	110	17.56	.	100	29.4	4.97	2.133	0	1	0	0	1	0	0	0	0
394	1	2001	2	1	7	10	124	24.56	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
395	1	2001	2	1	7	10	117	20.58	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
396	1	2001	2	1	7	10	135	33.52	.	100	29.4	4.97	2.133	0	0	0	0	0	0	0	0	0
397	1	2001	2	1	7	10	142	42.28	.	0	28.75	5.01	2.133	0	0	0	1	0	0	0	0	0
398	1	2001	2	1	7	10	120	23.75	.	0	28.75	5.01	2.133	0	0	0	1	0	0	0	0	0
399	1	2001	2	1	7	10	133	31.44	.	0	28.75	5.01	2.133	0	0	0	1	0	0	0	0	0
400	1	2001	2	1	7	10	116	18.79	.	0	28.75	5.01	2.133	0	0	0	0	0	0	0	0	0
401	1	2001	2	1	7	10	97	11.16	.	0	28.75	5.01	2.133	0	0	0	0	1	0	0	0	0
402	1	2001	2	1	7	10	96	11.62	.	0	28.75	5.01	2.133	0	0	0	1	1	0	1	0	0
403	1	2001	2	1	7	10	100	13.13	.	0	28.75	5.01	2.133	0	0	0	1	2	0	0	0	0
404	1	2001	2	1	7	10	105	14.48	.	0	28.75	5.01	2.133	0	2	0	0	0	0	0	3	0
405	1	2001	2	1	7	10	84	7.498	.	0	28.75	5.01	2.133	0	0	0	1	1	1	0	0	0
406	1	2001	2	1	7	10	69	4.047	.	0	28.75	5.01	2.133	0	0	0	1	12	0	0	0	0
407	1	2001	2	1	7	10	83	6.73	.	0	28.75	5.01	2.133	0	0	0	0	1	0	0	0	0
408	1	2001	2	1	7	10	97	10.36	.	0	28.75	5.01	2.133	0	0	0	1	0	0	0	0	0
409	2	2001	2	2	7	13	88	9.26	.	100	31.3	3.11	1.92	1	1	0	1	0	0	0	0	2
410	2	2001	2	2	7	13	93	8.688	.	100	31.3	3.11	1.92	0	0	0	0	0	0	1	0	0
411	2	2001	2	2	7	13	55	2.258	.	100	31.3	3.11	1.92	1	0	3	0	5	0	0	0	0
412	2	2001	2	2	7	13	59	2.607	.	100	31.3	3.11	1.92	0	1	1	0	0	0	0	0	0
413	2	2001	2	2	7	13	62	3.286	.	100	31.3	3.11	1.92	1	4	0	0	0	0	1	5	0
414	2	2001	2	2	7	13	85	7.583	.	100	31.3	3.11	1.92	1	0	0	1	0	0	0	0	0

415	2	2001	2	2	7	13	104	13.24	.	100	31.3	3.11	1.92	1	1	1	0	0	0	0	0	0
416	2	2001	2	2	7	13	61	3.012	.	100	31.3	3.11	1.92	0	1	0	0	0	0	0	0	0
417	2	2001	2	2	7	13	117	17.95	.	100	31.3	3.11	1.92	0	0	0	0	0	0	1	0	0
418	2	2001	2	2	7	13	146	41.61	.	100	31.3	3.11	1.92	0	0	0	1	0	0	0	0	0
419	2	2001	2	2	7	13	108	14.23	.	100	31.3	3.11	1.92	0	0	1	0	0	0	0	0	0
420	2	2001	2	2	7	13	82	6.877	.	100	31.3	3.11	1.92	0	0	1	0	0	0	0	0	1
421	2	2001	2	2	7	13	90	8.799	.	100	31.3	3.11	1.92	0	2	0	1	0	0	0	0	0
422	2	2001	2	2	7	13	101	12.7	.	100	31.3	3.11	1.92	0	0	0	2	0	0	0	0	0
423	2	2001	2	2	7	13	85	7.787	.	100	31.3	3.11	1.92	0	0	3	0	0	0	0	0	0
424	2	2001	2	2	7	13	79	6.434	.	100	31.3	3.11	1.92	0	0	2	1	0	0	0	0	0
425	2	2001	2	2	7	13	83	7.677	.	100	31.3	3.11	1.92	0	0	0	0	0	0	0	0	0
426	2	2001	2	2	7	13	80	7.054	.	100	31.3	3.11	1.92	0	0	0	1	0	0	0	0	0
427	2	2001	2	2	7	13	76	6.13	.	100	31.3	3.11	1.92	0	0	6	0	0	0	0	0	0
428	2	2001	2	2	7	13	72	4.919	.	100	31.3	3.11	1.92	0	2	1	0	6	0	0	2	0
429	2	2001	2	2	7	13	81	7.462	.	100	31.3	3.11	1.92	0	0	6	0	0	0	0	2	0
430	2	2001	2	2	7	13	63	3.439	.	100	31.3	3.11	1.92	0	1	2	0	0	0	0	0	0
431	2	2001	2	2	7	26	59	2.38	.	90	30.17	3.31	1.402	3	0	0	0	1	0	0	0	0
432	2	2001	2	2	7	26	70	3.753	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
433	2	2001	2	2	7	26	60	2.505	.	90	30.17	3.31	1.402	0	0	2	0	0	0	0	0	0
434	2	2001	2	2	7	26	59	2.416	.	90	30.17	3.31	1.402	1	0	0	0	0	0	0	0	0
435	2	2001	2	2	7	26	54	1.839	.	90	30.17	3.31	1.402	1	0	0	0	0	0	0	0	0
436	2	2001	2	2	7	26	70	3.63	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
437	2	2001	2	2	7	26	69	3.599	.	90	30.17	3.31	1.402	8	0	0	0	1	3	2	0	0
438	2	2001	2	2	7	26	71	3.943	.	90	30.17	3.31	1.402	0	0	0	1	0	0	0	0	0
439	2	2001	2	2	7	26	72	3.946	.	90	30.17	3.31	1.402	8	0	0	0	0	0	1	0	0
440	2	2001	2	2	7	26	76	5.367	.	90	30.17	3.31	1.402	0	0	0	1	3	0	0	0	0
441	2	2001	2	2	7	26	64	3.168	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
442	2	2001	2	2	7	26	56	1.904	.	90	30.17	3.31	1.402	10	0	1	0	0	0	0	0	0
443	2	2001	2	2	7	26	63	3.098	.	90	30.17	3.31	1.402	1	0	0	0	0	0	0	0	0
444	2	2001	2	2	7	26	66	3.197	.	90	30.17	3.31	1.402	1	0	0	0	3	0	0	0	0
445	2	2001	2	2	7	26	82	6.218	.	90	30.17	3.31	1.402	0	0	0	0	0	0	1	0	0
446	2	2001	2	2	7	26	75	4.485	.	90	30.17	3.31	1.402	2	0	0	0	5	0	1	0	0
447	2	2001	2	2	7	26	59	2.441	.	90	30.17	3.31	1.402	2	0	0	0	0	1	0	1	0
448	2	2001	2	2	7	26	62	2.715	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0

449	2	2001	2	2	7	26	59	2.264	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
450	2	2001	2	2	7	26	76	4.993	.	90	30.17	3.31	1.402	1	0	0	0	0	0	0	0	0
451	2	2001	2	2	7	26	76	5.205	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
452	2	2001	2	2	7	26	73	4.327	.	90	30.17	3.31	1.402	8	0	0	0	1	0	3	0	0
453	2	2001	2	2	7	26	82	6.412	.	90	30.17	3.31	1.402	0	0	1	0	0	0	0	0	0
454	2	2001	2	2	7	26	68	4.159	.	90	30.17	3.31	1.402	2	0	0	0	0	0	0	0	0
455	2	2001	2	2	7	26	79	5.312	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
456	2	2001	2	2	7	26	75	5.135	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
457	2	2001	2	2	7	26	79	5.936	.	90	30.17	3.31	1.402	0	0	0	1	1	0	0	1	0
458	2	2001	2	2	7	26	76	5.365	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
459	2	2001	2	2	7	26	82	1.707	.	90	30.17	3.31	1.402	0	0	0	0	2	0	0	0	0
460	2	2001	2	2	7	26	84	6.613	.	90	30.17	3.31	1.402	0	0	0	1	0	0	0	2	0
461	2	2001	2	2	7	26	82	6.516	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
462	2	2001	2	2	7	26	94	8.56	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
463	2	2001	2	2	7	26	92	10.52	.	90	30.17	3.31	1.402	0	0	0	1	0	0	0	0	0
464	2	2001	2	2	7	26	102	12.16	.	90	30.17	3.31	1.402	0	0	1	0	0	0	0	0	0
465	2	2001	2	2	7	26	155	47.84	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
466	2	2001	2	2	7	26	138	29.39	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
467	2	2001	2	2	7	26	157	55.1	.	90	30.17	3.31	1.402	0	0	0	0	0	0	0	0	0
468	1	2001	2	1	7	27	79	6.327	.	10	30.06	6.53	1.341	0	0	0	2	4	0	0	0	5
469	1	2001	2	1	7	27	109	16.21	.	10	30.06	6.53	1.341	0	0	0	0	0	0	0	0	0
470	1	2001	2	1	7	27	105	16.12	.	10	30.06	6.53	1.341	0	0	0	2	0	0	0	0	0
471	1	2001	2	1	7	27	110	17.35	.	10	30.06	6.53	1.341	0	0	0	0	0	0	0	0	0
472	1	2001	2	1	7	27	100	12.86	.	10	30.06	6.53	1.341	0	0	0	1	1	0	0	0	0
473	1	2001	2	1	7	27	124	25.83	.	10	30.06	6.53	1.341	0	0	0	1	2	0	0	0	0
474	1	2001	2	1	7	27	109	16.4	.	10	30.06	6.53	1.341	0	0	0	3	0	0	0	0	0
475	1	2001	2	1	7	27	72	4.506	.	10	30.06	6.53	1.341	0	0	0	0	0	0	0	0	0
476	1	2001	2	1	7	27	121	22.7	.	10	30.06	6.53	1.341	0	0	0	0	10	0	0	0	0
477	1	2001	2	1	7	27	121	27.57	.	10	30.06	6.53	1.341	0	0	0	1	0	0	0	0	0
478	1	2001	2	1	7	27	118	22.2	.	10	30.06	6.53	1.341	0	0	0	1	1	0	0	0	0
479	1	2001	2	1	7	27	83	6.718	.	10	30.06	6.53	1.341	0	0	0	1	2	0	0	0	0
480	1	2001	2	1	7	27	89	8.642	.	10	30.06	6.53	1.341	0	0	0	0	1	0	0	0	0
481	1	2001	2	1	7	27	90	9.126	.	10	30.06	6.53	1.341	0	0	0	0	1	0	0	0	0
482	1	2001	2	1	7	27	81	6.484	.	10	30.06	6.53	1.341	0	0	0	0	6	0	0	0	0

483	1	2001	2	1	7	27	72	4.473	.	10	30.06	6.53	1.341	0	0	0	2	1	0	0	0	0
484	1	2001	2	1	7	27	83	7.201	.	10	30.06	6.53	1.341	0	0	0	0	1	0	0	0	0
485	1	2001	2	1	7	27	96	11.11	.	10	30.06	6.53	1.341	0	0	0	1	0	0	0	0	0
486	1	2001	2	1	7	27	70	3.899	.	10	30.06	6.53	1.341	0	0	0	0	0	0	0	0	0
487	1	2001	2	1	7	27	104	13.59	.	10	30.06	6.53	1.341	0	1	0	0	2	0	0	0	0
488	1	2001	2	1	7	27	112	18.12	.	10	30.06	6.53	1.341	0	1	0	1	2	0	0	0	0
489	1	2001	2	1	7	27	83	7.046	.	10	30.06	6.53	1.341	0	0	0	0	4	0	0	0	0
490	1	2001	2	1	7	27	114	19.55	.	10	30.06	6.53	1.341	0	0	0	1	0	0	0	0	0
491	1	2001	2	1	7	27	66	3.294	.	10	30.06	6.53	1.341	0	0	0	0	4	0	0	0	0
492	1	2001	2	1	7	27	134	31.07	.	10	30.06	6.53	1.341	0	0	0	1	0	0	0	0	0
493	1	2001	2	1	7	27	104	13.63	.	10	30.06	6.53	1.341	0	0	0	0	2	0	0	0	0
494	1	2001	2	1	7	27	71	4.308	.	10	30.06	6.53	1.341	0	0	0	0	3	0	0	0	0
495	1	2001	2	1	7	27	107	15.92	.	10	30.06	6.53	1.341	0	0	1	1	0	1	0	0	0
496	1	2001	2	1	7	27	82	6.023	.	10	30.06	6.53	1.341	0	0	0	0	5	0	0	0	0
497	1	2001	2	1	7	27	77	5.608	.	10	30.06	6.53	1.341	0	0	0	0	1	1	0	0	0
498	2	2001	2	2	8	9	80	5.901	.	100	29.68	3.4	1.402	0	0	0	1	0	0	0	0	0
499	2	2001	2	2	8	9	68	3.394	.	100	29.68	3.4	1.402	0	0	0	0	0	1	1	0	0
500	2	2001	2	2	8	9	64	2.868	.	100	29.68	3.4	1.402	2	0	0	0	0	8	3	0	0
501	2	2001	2	2	8	9	76	4.609	.	100	29.68	3.4	1.402	0	0	0	0	0	5	0	0	0
502	2	2001	2	2	8	9	62	2.462	.	100	29.68	3.4	1.402	0	0	0	0	0	0	1	0	0
503	2	2001	2	2	8	9	75	4.681	.	100	29.68	3.4	1.402	0	0	2	0	0	0	0	1	0
504	2	2001	2	2	8	9	68	3.466	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	1	0
505	2	2001	2	2	8	9	64	3.003	.	100	29.68	3.4	1.402	5	0	0	0	1	0	2	0	0
506	2	2001	2	2	8	9	77	5.212	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
507	2	2001	2	2	8	9	82	6.778	.	100	29.68	3.4	1.402	0	0	0	2	0	0	0	0	0
508	2	2001	2	2	8	9	72	3.896	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
509	2	2001	2	2	8	9	104	12.34	.	100	29.68	3.4	1.402	0	0	0	1	0	0	0	1	0
510	2	2001	2	2	8	9	63	2.664	.	100	29.68	3.4	1.402	11	0	1	0	0	0	0	3	0
511	2	2001	2	2	8	9	71	4.353	.	100	29.68	3.4	1.402	1	0	0	0	0	0	0	0	0
512	2	2001	2	2	8	9	64	3.084	.	100	29.68	3.4	1.402	0	0	0	1	1	0	0	0	0
513	2	2001	2	2	8	9	95	10.32	.	100	29.68	3.4	1.402	0	0	0	0	1	0	0	4	0
514	2	2001	2	2	8	9	63	2.541	.	100	29.68	3.4	1.402	101	0	0	0	0	0	0	0	0
515	2	2001	2	2	8	9	80	5.837	.	100	29.68	3.4	1.402	3	0	0	0	0	0	1	0	0
516	2	2001	2	2	8	9	86	7.347	.	100	29.68	3.4	1.402	0	0	0	2	0	0	0	0	0

517	2	2001	2	2	8	9	93	9.113	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
518	2	2001	2	2	8	9	98	11.81	.	100	29.68	3.4	1.402	1	0	0	2	0	0	0	0	0
519	2	2001	2	2	8	9	84	7.036	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
520	2	2001	2	2	8	9	72	4.881	.	100	29.68	3.4	1.402	0	0	5	0	0	2	0	1	0
521	2	2001	2	2	8	9	77	5.81	.	100	29.68	3.4	1.402	0	0	0	0	1	0	0	3	0
522	2	2001	2	2	8	9	66	3.441	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
523	2	2001	2	2	8	9	124	26.54	.	100	29.68	3.4	1.402	0	0	0	1	0	0	0	0	0
524	2	2001	2	2	8	9	113	18.51	.	100	29.68	3.4	1.402	1	0	0	1	0	0	0	3	0
525	2	2001	2	2	8	9	104	14.74	.	100	29.68	3.4	1.402	0	0	0	0	0	2	0	0	0
526	2	2001	2	2	8	9	117	19.77	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
527	2	2001	2	2	8	9	85	8.33	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
528	2	2001	2	2	8	9	74	4.506	.	100	29.68	3.4	1.402	0	0	0	0	0	0	0	0	0
529	2	2001	2	2	8	9	70	3.998	.	100	29.68	3.4	1.402	0	0	0	0	0	14	0	0	0
530	1	2001	2	1	8	10	142	40.06	.	0	29.31	8.72	1.432	0	0	0	0	0	0	0	0	1
531	1	2001	2	1	8	10	91	11.48	.	0	29.31	8.72	1.432	0	0	0	0	0	0	0	0	0
532	1	2001	2	1	8	10	102	12.34	.	0	29.31	8.72	1.432	0	0	0	0	0	0	1	0	0
533	1	2001	2	1	8	10	89	8.47	.	0	29.31	8.72	1.432	0	0	0	0	0	0	0	0	0
534	1	2001	2	1	8	10	91	9.24	.	0	29.31	8.72	1.432	0	0	0	0	3	1	0	0	0
535	1	2001	2	1	8	10	89	8.94	.	0	29.31	8.72	1.432	0	0	0	0	3	0	0	0	0
536	1	2001	2	1	8	10	71	4.45	.	0	29.31	8.72	1.432	0	0	0	0	2	0	0	0	0
537	1	2001	2	1	8	10	100	11.76	.	0	29.31	8.72	1.432	0	0	0	1	0	0	0	0	0
538	1	2001	2	1	8	10	81	6.28	.	0	29.31	8.72	1.432	0	0	0	0	3	0	0	0	0
539	1	2001	2	1	8	10	96	10.39	.	0	29.31	8.72	1.432	0	0	0	0	0	0	0	0	0
540	1	2001	2	1	8	10	74	5.29	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
541	1	2001	2	1	8	10	93	11.49	.	50	31.8	7.33	1.432	0	0	0	2	1	0	0	0	0
542	1	2001	2	1	8	10	113	16.64	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
543	1	2001	2	1	8	10	100	12.89	.	50	31.8	7.33	1.432	0	0	0	0	1	0	0	0	0
544	1	2001	2	1	8	10	117	20.99	.	50	31.8	7.33	1.432	0	0	0	2	0	1	0	0	0
545	1	2001	2	1	8	10	105	13.3	.	50	31.8	7.33	1.432	0	0	0	0	0	4	0	0	0
546	1	2001	2	1	8	10	100	11.37	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
547	1	2001	2	1	8	10	97	11	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
548	1	2001	2	1	8	10	70	4.63	.	50	31.8	7.33	1.432	0	0	0	1	1	0	0	0	0
549	1	2001	2	1	8	10	92	9.72	.	50	31.8	7.33	1.432	0	0	0	1	0	0	0	0	0
550	1	2001	2	1	8	10	78	6.25	.	50	31.8	7.33	1.432	0	0	0	0	0	2	0	0	0

551	1	2001	2	1	8	10	71	4.51	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
552	1	2001	2	1	8	10	80	6.75	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
553	1	2001	2	1	8	10	100	13.14	.	50	31.8	7.33	1.432	0	0	0	0	0	0	0	0	0
554	1	2001	2	1	8	10	158	60.85	.	0	32.45	7.6	1.432	0	0	0	2	0	0	0	0	0
555	1	2001	2	1	8	10	161	59.68	.	0	32.45	7.6	1.432	0	0	0	1	0	0	0	0	0
556	1	2001	2	1	8	10	77	6.02	.	0	32.45	7.6	1.432	0	0	0	3	0	0	0	0	0
557	1	2001	2	1	8	10	86	8.43	.	0	32.45	7.6	1.432	0	0	0	2	3	0	0	0	0
558	1	2001	2	1	8	10	91	9.86	.	0	32.45	7.6	1.432	0	0	0	2	3	0	0	0	0
559	1	2001	2	1	8	10	125	25.41	.	0	32.45	7.6	1.432	0	0	0	0	2	0	0	0	0
560	1	2001	2	1	8	10	126	27.88	.	0	32.45	7.6	1.432	0	0	0	0	0	0	0	0	0
561	1	2001	2	1	8	10	125	25.53	.	0	32.45	7.6	1.432	0	0	0	0	0	0	0	0	0
562	1	2001	2	1	8	10	115	21.74	.	0	32.45	7.6	1.432	0	0	0	0	1	0	0	0	0
563	1	2001	2	1	8	10	118	21.74	.	0	32.45	7.6	1.432	0	0	0	0	3	0	0	0	0
564	1	2001	2	1	8	10	106	16.3	.	0	32.45	7.6	1.432	0	0	0	2	0	0	0	0	0
565	1	2001	2	1	8	10	80	5.85	.	0	32.45	7.6	1.432	0	0	0	0	0	0	0	0	0
566	1	2001	2	1	8	10	81	6.6	.	0	32.45	7.6	1.432	0	0	0	0	2	1	0	0	0
567	1	2001	2	1	8	10	80	7.08	.	0	32.45	7.6	1.432	0	0	0	1	0	0	0	0	0
568	1	2001	2	1	8	10	84	8.36	.	0	32.45	7.6	1.432	0	0	0	1	0	0	0	0	0
569	1	2001	2	1	8	10	99	12.2	.	0	32.45	7.6	1.432	0	0	0	1	0	0	0	0	0
570	2	2001	2	2	8	24	66	2.96	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
571	2	2001	2	2	8	24	160	60.08	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
572	2	2001	2	2	8	24	177	82.59	.	100	30.55	5.44	.	0	0	0	2	0	0	0	0	0
573	2	2001	2	2	8	24	171	60.48	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
574	2	2001	2	2	8	24	143	40.78	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
575	2	2001	2	2	8	24	86	7.262	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
576	2	2001	2	2	8	24	115	18.57	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
577	2	2001	2	2	8	24	95	10.02	.	100	30.55	5.44	.	0	0	2	0	0	0	0	0	0
578	2	2001	2	2	8	24	146	41.68	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
579	2	2001	2	2	8	24	117	20.6	.	100	30.55	5.44	.	0	0	0	2	0	0	0	0	0
580	2	2001	2	2	8	24	87	8.454	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
581	2	2001	2	2	8	24	130	26.27	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
582	2	2001	2	2	8	24	106	15.14	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
583	2	2001	2	2	8	24	74	4.103	.	100	30.55	5.44	.	0	0	0	0	0	11	0	0	0
584	2	2001	2	2	8	24	89	7.309	.	100	30.55	5.44	.	0	0	0	0	0	15	0	0	0

585	2	2001	2	2	8	24	99	12.52	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
586	2	2001	2	2	8	24	80	5.56	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
587	2	2001	2	2	8	24	102	12.3	.	100	30.55	5.44	.	0	0	1	0	0	0	0	0	0
588	2	2001	2	2	8	24	92	9.785	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
589	2	2001	2	2	8	24	101	12.47	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
590	2	2001	2	2	8	24	85	7.893	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
591	2	2001	2	2	8	24	72	4.253	.	100	30.55	5.44	.	0	0	0	0	0	0	0	0	0
592	2	2001	2	2	8	24	86	6.664	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
593	2	2001	2	2	8	24	77	6.073	.	100	30.55	5.44	.	0	0	0	1	0	0	0	0	0
594	1	2001	2	1	8	23	86	7.594	.	50	33.42	8.41	.	0	0	0	1	0	0	0	0	0
595	1	2001	2	1	8	23	112	18.06	.	50	33.42	8.41	.	0	0	0	0	1	0	0	0	0
596	1	2001	2	1	8	23	70	3.65	.	50	33.42	8.41	.	0	0	0	0	0	0	0	0	0
597	1	2001	2	1	8	23	84	7.35	.	50	33.42	8.41	.	0	0	0	0	0	0	0	0	0
598	1	2001	2	1	8	23	80	6.824	.	50	33.42	8.41	.	0	0	0	1	0	0	0	0	0
599	1	2001	2	1	8	23	85	7.887	.	50	33.42	8.41	.	0	0	0	2	0	0	0	0	0
600	1	2001	2	1	8	23	77	5.235	.	50	33.42	8.41	.	0	0	0	1	0	0	0	0	0
601	1	2001	2	1	8	23	86	7.831	.	50	33.42	8.41	.	0	0	0	1	0	0	0	0	0
602	1	2001	2	1	8	23	82	7.137	.	50	33.42	8.41	.	0	0	0	1	0	0	0	0	0
603	1	2001	2	1	8	23	93	9.24	.	50	33.42	8.41	.	0	0	0	0	0	0	0	0	0
604	1	2001	2	1	8	23	124	23.74	.	50	33.42	8.41	.	0	0	0	0	0	8	0	0	0
605	1	2001	2	1	8	23	80	6.446	.	60	33.59	10.95	.	0	0	0	1	0	0	0	0	0
606	1	2001	2	1	8	23	84	6.581	.	60	33.59	10.95	.	0	0	0	1	0	0	0	0	0
607	1	2001	2	1	8	23	78	5.57	.	60	33.59	10.95	.	0	0	0	1	0	0	0	0	0
608	1	2001	2	1	8	23	92	9.859	.	60	33.59	10.95	.	0	0	0	1	0	0	0	0	0
609	1	2001	2	1	8	23	92	9.894	.	60	33.59	10.95	.	0	0	0	1	0	0	0	0	0
610	1	2001	2	1	8	23	113	18.18	.	60	33.59	10.95	.	0	0	0	2	1	0	0	0	0
611	1	2001	2	1	8	23	114	19.68	.	60	33.59	10.95	.	0	0	0	0	0	0	0	0	0
612	1	2001	2	1	8	23	94	10.28	.	0	34.09	10.63	.	0	0	0	0	1	0	0	0	0
613	1	2001	2	1	8	23	92	8.943	.	0	34.09	10.63	.	0	0	0	0	0	0	0	0	0
614	1	2001	2	1	8	23	90	8.517	.	0	34.09	10.63	.	0	0	0	0	0	0	0	0	0
615	1	2001	2	1	8	23	118	20.91	.	0	34.58	9.59	.	0	0	0	2	1	0	0	0	0
616	1	2001	2	1	8	23	148	42.03	.	0	34.58	9.59	.	0	0	0	0	0	0	0	0	0
617	1	2001	2	1	8	23	136	34.91	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
618	1	2001	2	1	8	23	140	35.56	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0

619	1	2001	2	1	8	23	140	37.82	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
620	1	2001	2	1	8	23	137	36.28	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
621	1	2001	2	1	8	23	117	22.2	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
622	1	2001	2	1	8	23	133	32.38	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
623	1	2001	2	1	8	23	86	7.968	.	0	34.58	9.59	.	0	0	0	1	0	0	0	0	0
624	2	2001	2	2	9	6	79	5.651	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
625	2	2001	2	2	9	6	72	5.089	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
626	2	2001	2	2	9	6	100	11.66	.	100	30.02	7.03	.	0	0	0	0	0	0	0	1	0
627	2	2001	2	2	9	6	72	4.106	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
628	2	2001	2	2	9	6	75	4.595	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
629	2	2001	2	2	9	6	68	3.694	.	100	30.02	7.03	.	0	0	1	0	0	0	0	0	0
630	2	2001	2	2	9	6	69	3.155	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
631	2	2001	2	2	9	6	75	4.412	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
632	2	2001	2	2	9	6	78	5.381	.	100	30.02	7.03	.	0	0	0	0	1	0	0	0	0
633	2	2001	2	2	9	6	60	3.738	.	100	30.02	7.03	.	0	0	0	0	1	0	0	0	0
634	2	2001	2	2	9	6	74	4.459	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
635	2	2001	2	2	9	6	73	4.155	.	100	30.02	7.03	.	0	0	0	1	0	0	0	0	0
636	2	2001	2	2	9	6	75	5.168	.	100	30.02	7.03	.	0	0	1	0	0	0	0	0	0
637	2	2001	2	2	9	6	85	6.67	.	100	30.02	7.03	.	0	0	1	0	0	0	0	1	0
638	2	2001	2	2	9	6	79	4.865	.	100	30.02	7.03	.	0	0	2	0	0	0	0	1	0
639	2	2001	2	2	9	6	91	8.185	.	100	30.02	7.03	.	0	0	1	1	0	0	0	0	0
640	2	2001	2	2	9	6	85	7.838	.	100	30.02	7.03	.	0	0	0	1	0	0	0	0	0
641	2	2001	2	2	9	6	80	6.262	.	100	30.02	7.03	.	0	0	0	2	0	0	0	0	0
642	2	2001	2	2	9	6	82	5.616	.	100	30.02	7.03	.	0	2	0	0	1	0	0	1	1
643	2	2001	2	2	9	6	61	2.683	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
644	2	2001	2	2	9	6	80	5.889	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
645	2	2001	2	2	9	6	69	4.101	.	100	30.02	7.03	.	0	1	0	1	0	0	0	1	0
646	2	2001	2	2	9	6	80	5.792	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
647	2	2001	2	2	9	6	90	7.885	.	100	30.02	7.03	.	0	0	0	2	0	0	0	0	0
648	2	2001	2	2	9	6	122	24.6	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
649	2	2001	2	2	9	6	127	25.86	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	0
650	2	2001	2	2	9	6	94	11.43	.	100	30.02	7.03	.	1	0	0	0	0	0	0	0	0
651	2	2001	2	2	9	6	98	11.42	.	100	30.02	7.03	.	0	0	0	0	0	0	0	0	1
652	2	2001	2	2	9	6	115	18.56	.	100	30.02	7.03	.	0	0	1	0	0	0	0	0	0

653	1	2001	2	1	9	10	110	15.25	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
654	1	2001	2	1	9	10	90	8.416	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
655	1	2001	2	1	9	10	166	62.67	.	0	30.02	7.03	.	0	0	0	1	0	0	0	0	0
656	1	2001	2	1	9	10	93	9.765	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
657	1	2001	2	1	9	10	82	6.803	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
658	1	2001	2	1	9	10	169	74.15	.	0	30.02	7.03	.	0	0	0	1	0	0	0	0	0
659	1	2001	2	1	9	10	130	27.11	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
660	1	2001	2	1	9	10	93	10.82	.	0	30.02	7.03	.	0	0	0	1	0	0	0	0	0
661	1	2001	2	1	9	10	80	6.188	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
662	1	2001	2	1	9	10	101	13	.	0	30.02	7.03	.	0	0	0	0	1	0	0	0	0
663	1	2001	2	1	9	10	78	5.171	.	0	30.02	7.03	.	0	0	0	0	1	0	0	0	0
664	1	2001	2	1	9	10	91	9.075	.	0	30.02	7.03	.	0	0	0	1	0	0	0	0	0
665	1	2001	2	1	9	10	81	5.484	.	0	30.02	7.03	.	0	0	0	0	0	0	0	0	0
666	1	2001	2	1	9	10	95	10.14	.	0	30.02	7.03	.	0	0	0	1	0	0	0	0	0
667	1	2001	2	1	9	25	94	9.689	.	70	28.76	5.84	.	0	0	0	1	0	0	0	0	0
668	1	2001	2	1	9	25	93	10.88	.	70	28.76	5.84	.	0	0	0	1	0	0	0	0	0
669	1	2001	2	1	9	25	104	14.21	.	70	28.76	5.84	.	0	0	0	0	3	1	1	0	0
670	1	2001	2	1	9	25	95	11.27	.	70	28.76	5.84	.	0	0	0	1	1	1	0	0	0
671	1	2001	2	1	9	25	83	6.724	.	70	28.76	5.84	.	0	0	0	2	0	0	0	0	0
672	1	2001	2	1	9	25	96	12.2	.	70	28.76	5.84	.	0	0	0	1	0	5	0	0	0
673	1	2001	2	1	9	25	109	16.26	.	70	28.76	5.84	.	0	0	0	0	0	1	0	0	0
674	1	2001	2	1	9	25	80	6.438	.	70	28.76	5.84	.	0	0	0	1	0	0	0	0	0
675	1	2001	2	1	9	25	93	9.667	.	70	28.76	5.84	.	0	0	0	0	0	1	0	0	0
676	1	2001	2	1	9	25	103	13.44	.	70	28.76	5.84	.	0	0	0	0	0	0	0	0	0
677	1	2001	2	1	9	25	93	10.01	.	70	28.76	5.84	.	0	0	0	0	0	0	0	0	0
678	1	2001	2	1	9	25	93	9.719	.	70	28.76	5.84	.	0	1	0	0	1	1	0	0	0
679	1	2001	2	1	9	25	94	9.83	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
680	1	2001	2	1	9	25	96	10.24	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
681	1	2001	2	1	9	25	106	13.72	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
682	1	2001	2	1	9	25	109	14.71	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
683	1	2001	2	1	9	25	138	32.67	.	0	30.34	6.29	.	0	0	0	1	0	0	1	2	0
684	1	2001	2	1	9	25	116	19.24	.	0	30.34	6.29	.	0	0	0	1	0	0	0	0	0
685	1	2001	2	1	9	25	121	22.7	.	0	30.34	6.29	.	0	0	0	0	1	0	0	0	0
686	1	2001	2	1	9	25	145	39.87	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0

687	1	2001	2	1	9	25	100	10.15	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
688	1	2001	2	1	9	25	130	27.8	.	0	30.34	6.29	.	0	0	0	0	0	0	0	0	0
689	1	2001	2	1	9	25	98	11.4	.	0	30.34	6.29	.	0	0	0	1	0	0	0	0	0
690	1	2001	2	1	9	25	120	23.82	.	0	29.62	5.99	.	0	0	0	0	0	0	0	0	0

VITA

Torrance Dean Mason was born in Rockford, Illinois, on May 27, 1973. He graduated from Belvidere High School in 1991. Tory attended Rock Valley College for a short time before transferring to the University of Wisconsin-Stevens Point, where he graduated with a double major Bachelor of Science in Biology and Fisheries / Limnology in December of 1996. Tory then began work with a limited term employment job with the United States Geological Survey in Cook, Washington, in April of 1997. Tory then started almost two and a half years of employment with the Illinois Natural History Survey as a fisheries research technician. Tory then began graduate school at Louisiana State University in 2000 under Dr. William E. Kelso, and is now a Master of Science candidate in fisheries from the School of Renewable Resources at Louisiana State University.