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Kankakee River Fishes of the Braidwood
Station Aquatic Monitoring Area, August 1987

Aquatic Biology Section Technical Report

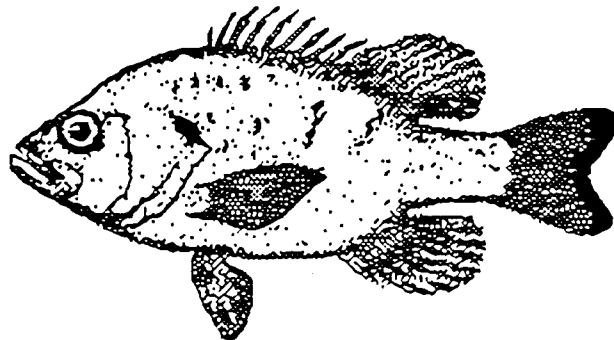
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Report submitted to
Commonwealth Edison Co.,
Chicago, Illinois

Aquatic Biology Technical Report 88/01



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by
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January 1988

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ABSTRACT

Fifty-three fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Aquatic Monitoring Area in August 1987. The pallid chub, *Hybopsis amnis*, is now recommended as endangered and the river redhorse, *Moxostoma carinatum*, is recommended as threatened in Illinois. The pallid chub was not collected in 1987 but has been present in all years of this series except 1977. This year, 17 river redhorse were collected from the designated stations; it has been present throughout this series. Total biomass of fishes was 169 kg, down from 1986; total catch was 4,734 fish, a substantial increase over 1986. Golden redhorse, smallmouth bass, gizzard shad, quillback, and rock bass accounted for 68.6% of the total biomass while spotfin shiner, bluntnose minnow, longear sunfish, gizzard shad, and bullhead minnow numerically comprised 57.3% of the total catch.

Anomalies in the form of macroparasites, diseases, malformations, or injuries were found on 9.55% of the total catch, reduced substantially from 23.4% in 1986. *Neascus* sp. was responsible for 7.5% of the occurrences in 1987.

Significant differences were found between stations for the 1987 catch for biomass and abundance of electrofishing samples. No significant differences were detected between stations for seining biomass but differences were found in the seine catch for abundance. Mean diversity of combined methods was the lowest recorded in this series at four stations.

A review of the data in this series by two-way ANOVA shows differences between years and stations in the following areas:

- (1) Combined method mean diversity
- (2) Total biomass
- (3) Total catch (abundance)
- (4) Smallmouth bass abundance

Cluster analysis also depicts similar relationships between year and station data over the duration of the series.

INTRODUCTION

The geology, hydrology, and water quality of the Kankakee River combine to form a high diversity of habitats and aquatic life, creating one of the finest rivers in Illinois (Smith 1971, Skelly and Sule 1983, Brigham et al. 1984). The river is a scenic, cultural, recreational, and industrial resource (Barker et al. 1967, Graham et al. 1984). The river in Illinois has remained relatively unaltered while still meeting the needs of the public, municipalities, and private interests.

Construction of the Braidwood Nuclear Generating Station and its associated riverside intake and discharge structures has provided the opportunity to gather data on the fishes of the Kankakee River. This study was initiated to determine the effects of construction and plant operation on the river. Although the generating station is pre-operational, the intake and discharge structures operate on an irregular schedule to test the system and to provide water for the house service water system of the generating station. The most intensive operation of the plant occurred in 1987.

The Braidwood Station aquatic monitoring area, near Custer Park, Will County, Illinois, consists of a 2.5-km reach of the Kankakee River and its tributary, Horse Creek (Fig. 1). The 1987 fishery survey marks the tenth year that studies have been conducted by the Illinois Natural History Survey. This data set allows us to document environmental changes and the resulting response of the fish community and to estimate environmental quality of the river. The goal of this research is to gain a better understanding of the complex relationships of fishes to their dynamic lotic surroundings.

MATERIALS AND METHODS

Electrofishing and seining were used to collect fishes in the Monitoring Area from 3 to 13 August 1987. The methods and sampling locations were the same as those used in previous years (Kwak 1987).

Each sampling location consists of two sampling stations, designated by the location number and "R" or "L," indicating the right or left side of the river as one looks upstream (Fig. 1). The sampling locations are:

Location 1—approximately 1,000 m (3,280 ft) above the intake structure. This location provides data for an upstream section of the river that is not influenced by intake or discharge activities.

Location 2—Horse Creek, including a length approximately 100 m (328 ft) above the confluence of Horse Creek and the Kankakee River. This location represents a potential fish spawning site and may influence the river.

Location 3—the area of the intake structure.

Location 4—the area of the discharge canal. This location provides data for that region of the river that may be affected by thermal and chemical discharges of the cooling pond.

Location 5—approximately 300 m (984 ft) downstream of the discharge canal. This area represents a potential near-field recovery area from any impact associated with discharges from the cooling pond.

Location 6—approximately 1.6 km (1 mile) downstream of the discharge canal. This region is below the influence of the discharge canal and represents a potential far-field recovery area.

A boat-mounted, boom-type electrofisher, which employed a 230-V, 3000-W, 3-phase, AC generator as a power source, was used to sample adult and juvenile fishes. At locations 1, 5, and 6, each station was electrofished for 0.5 h, covering approximately 152 m (500 ft), for one unit of effort. Because of the proximity of locations 3 and 4, these areas were sampled for 15 min, each covering one-half of the unit distance. The entire width of Location 2 was electrofished, from its mouth approximately 305 m (1,000 ft) upstream for a period of 1 h, representing two units of effort. The boat driver and two others captured stunned fish with 12.7-mm (0.5-in.) mesh dip nets. Each electrofishing station was shocked four times, with a 2-day repopulation period between each replicate. Electrofishing was conducted such that the first “run” of each replicate was made in a downstream direction through the middle of the shocking zone. The second run was in an upstream direction, adjacent to the first run and as close to the bank as water depth would allow. The third run was made in a downstream direction outside of, but adjacent to, the two previous runs. This sequence was repeated until the directed length of time had elapsed. The unit area shocked was equivalent to 0.4 ha (1 acre).

Seine samples were taken at two sites in each sampling station twice during the 2-week sampling period, representing four replicates per station. A 7.65-m x 1.22-m (25-ft x 4-ft) nylon seine was used with a 1.22-m x 1.22-m x 1.22-m (4-ft x 4-ft x 4-ft) bag. The seine was constructed from King 4.76-mm (³/₁₆-in.) square mesh. A shoreline distance of 15 m

(49 ft) was seined in a downstream direction; the first haul was taken downstream of the second. All small fish collected by seine were preserved in formalin and returned to the laboratory for analysis. Large fish were processed in the field and released.

All fish were identified, measured for length and weight, fin clipped and examined for parasites. Dissolved oxygen, water temperature, water velocity, pH, turbidity, and conductivity were measured at each collection (Appendices A and B). Discharges for the Kankakee River were obtained from the U.S. Geological Survey (Figs. 2 and 3).

Fulton's condition was calculated for each fish using:

$$K(TL) = \text{weight (in g)} \times 100,000 / \text{total length}^3 \text{ (in mm)}$$

Condition values for each fish collected in 1987 are listed in Appendix C. Appendix D contains a summary of fishes collected for this report series (1977-1987). Diversity indices (Shannon 1948) were computed for collections taken at each station for electrofishing and seine catches and were compared with those calculated in previous years.

Biomass and abundance of fishes collected at different locations were analyzed using analysis of variance (ANOVA). Comparisons were made on a catch-per-unit-effort basis using $\ln(x+1)$ transformations of weight and numbers. Results for 1987 were subjected to a one-way ANOVA with station as the main effect. Various environmental parameters were included as covariables in one-way ANOVAs. Comparisons of means were made with Duncan's Multiple Range Test. Results were considered significant at the $P < 0.05$ level. Two-way ANOVAs of biomass, abundance, and diversity were used to compare year and station as independent variables from data collected over the entire study period. It should be noted that electrofishing and seine replicates are not true replicates but rather are temporal pseudoreplicates (Hurlbert 1984) because of the lack of true independence of these successive samples. Given the impossibility of obtaining true replicates of transient fishes, the difficulty in applying inferential statistics to these situations is acknowledged and the limitations recognized.

Further grouping of ecological data can be accomplished by classification or clustering methods. These methods allow classifying sampling units that resemble each other in species composition. The unweighted group average (average linkage) method of data analysis is the most widely used in ecology (Pielou 1984) and was used here.

RESULTS AND DISCUSSION

1987 Review

Catch

1987 marks the tenth year of fish sampling on the Kankakee River and Horse Creek in the Braidwood Station aquatic monitoring area. In 1987, 53 fish species representing 14 families were collected from the monitoring area. A total of 77 fish species representing 17 families have been collected by Illinois Natural History Survey personnel from 1977 through 1987 (Table 1).

Two species, the pallid chub (*Hybopsis amnis*) and the greater redhorse (*Moxostoma valenciennesi*) are recommended as endangered species by the State of Illinois; the river redhorse (*Moxostoma carinatum*) is recommended as a threatened species. Sampling during 1987 failed to capture the pallid chub¹ for the first time since 1978; 17 river redhorse were taken in designated stations and approximately 9 more were collected between stations 1 and 3 below the railroad bridge during supplemental sampling (Table 2). Greater redhorse have never been collected in the monitoring area.

One new species, the tadpole madtom (*Noturus gyrinus* Mitchill), was collected for the first time in the monitoring area. Two individuals were captured via seining at station 5L. This station is characterized by sluggish flow over a silted organic bottom, the typical habitat described by Smith (1979) for this species.

Total biomass of fishes collected in 1987 was 169 kg (Table 3), down from 206 kg in 1986. The golden redhorse (*Moxostoma erythrurum*) composed 16.6% of the total biomass; smallmouth bass (*Micropterus dolomieu*), 15.1%; gizzard shad (*Dorosoma cepedianum*), 14.1%; quillback (*Carpiodes cyprinus*), 13.4%; and rock bass (*Ambloplites rupestris*), 9.4%. Changes in total biomass by dominant species are depicted in Table 4. Although the golden redhorse remained the dominant species, its biomass in 1987 was 1.6 times lower than that in 1986. It should also be noted that smallmouth bass biomass

¹ For a review of the history of pallid chub collection in Illinois refer to Kwak (1987).

increased 1.65 times over the value in 1986. The five dominant fish species in both 1987 and 1986 remained the same, only changing position in rank order.

The total number of fish collected in 1987 (4,734) increased over the 3,567 collected in 1986. The spotfin shiner (*Notropis spilopterus*) dominated abundance, comprising 21.1%; bluntnose minnow (*Pimephales notatus*), 13.2%; longear sunfish (*Lepomis megalotis*), 10.4%; gizzard shad (*Dorosoma cepedianum*), 6.0%; and bullhead minnow (*Pimephales vigilax*), 5.8% (Table 3). Table 5 shows percent total abundance of the dominant species captured in 1987. The spotfin shiner was most abundant in 1987, displacing the bluntnose minnow which was most abundant in 1986. Longear sunfish was the only other species found among the top five species in both 1986 and 1987.

Five species are among the top 10 dominant fishes in biomass and abundance for both 1986 and 1987—the golden redhorse, smallmouth bass, gizzard shad, rock bass, and longear sunfish (Tables 4 and 5). The percent total biomass and abundance values of these five species combined were similar for 1986 and 1987, 66% and 69% of the total biomass and 34% and 30% of the total abundance, respectively.

Total biomass collected by electrofishing during 1987 was dominated by golden redhorse, 16.8%; smallmouth bass, 15.3%; gizzard shad, 14.3%; quillback, 13.6%; and rock bass, 9.4% (Tables 6 and 7). These values are similar to those in 1986, with only changes in rank order.

Total abundance for electrofishing samples during 1987 (Tables 8 and 9) was dominated by longear sunfish, 16.5%; spotfin shiner, 14.9%; bluntnose minnow, 9.5%; rock bass, 8.9%; and smallmouth bass, 8.7%. Most of these values are similar to those in 1986. Exceptions include the spotfin shiner, which showed a marked increase, and golden redhorse, which displayed a substantial decline in percent total biomass.

Smallmouth bass were well represented in the 1987 collection. A total of 221 individuals were collected, comprising 15.1% of the total biomass. Total smallmouth bass catch was greatest at Station 1L (22.6%), followed closely by stations 6L (16.3%), 3L (15.4%), and 2 (13.1%). Juvenile smallmouth bass (≤ 100 mm) represented 12.7% of the total catch in 1987.

The length-frequency distribution for smallmouth bass is dominated by 160-200 mm fish (Fig. 4). A much stronger young-of-the-year class is evident in the 1987 collection than was present in 1986. The poor spawn in 1986 probably accounts for the relatively weak I+ year class in 1987. Total length at age for smallmouth bass was developed from scale analysis during 1987 and shows domination by age III+ fish (Table 10). Mean total length of age III+ smallmouth bass, 246.0 mm, from the Kankakee River appears to be similar to those from other Midwestern streams (Table 11), but is slightly lower than the 269.24 mm reported by the Illinois Department of Conservation. Their mean for smallmouth bass reflects statewide growth relationships, which include southern and impoundment stocks.

Length-frequency distribution for gizzard shad (Fig. 5) and golden redhorse (Fig. 6) depict strong class differentiation and representation. Gizzard shad show a highly successful 1987 spawn which should provide a good forage base to piscivores. Length-frequency distributions for longear sunfish and rock bass are presented in Figs. 7 and 8, respectively.

Community Characteristics

DIVERSITY. Mean diversity for all stations during 1987 by each collection method and combined methods is given in Table 12. Seining diversity for 1987 increased at 8 of 11 stations compared with values in 1986. Electrofishing diversity for 1987 showed the opposite trend, decreasing at 8 of 11 stations compared with 1986 values. The combined diversity for all stations decreased at 8 of 11 stations; the lowest diversity values to date were recorded at stations 1R, 3R, 5R, and 6R.

ANOMALIES. In 1987, 9.55% of the total catch of fishes in the monitoring area were affected by some anomaly (Table 13). This figure is considerably lower than that for 1986 (23.4%) even though 1,167 more fish were captured in 1987. *Neascus* infections were the most common, comprising 78.5% of all anomalies. Fish collected at Station 2, Horse Creek, showed the highest incidence rate of *Neascus* (15.4%). Stations on the left bank of the Kankakee River generally had higher infection rates than those on the right. Data from 1986 showed that *Neascus* incidence was highest at all right bank stations. Kwak (1987) felt that Horse Creek may be a source of *Neascus* for the river and that the right shoreline provided more suitable habitat for *Neascus* hosts. The 1987 data do not support the latter portion of his conclusion; the transient nature of fishes may explain the 1987 result. All

other anomaly (leech, *Lernaea*, lesions, malformations, tumors, *Argulus*, and injuries) incidence rates were <1%, and in most cases <0.5%, of the total catch.

Spatial Characteristics

One-way ANOVA of electrofishing abundance ($\ln[x]$) showed highly significant differences between stations for 1987 (Table 14). Duncan's *a posteriori* multiple range test (Table 15) shows that mean abundance at Station 6R (2.686) is less than that at all other stations; 5R (3.275) is only greater than 6R. Mean abundance at 6L (3.978) and 1R (3.742) are not significantly different as are the means of 2 (4.428), 5L (4.408), 4L (4.402), 3R (4.337), 4R (4.252), 1L (4.228), 3L (4.228), and 6L (3.978).

One-way ANOVA of electrofishing biomass ($\ln[x]$) also showed significant differences between stations (Table 16) in 1987. Differences in mean abundance between the stations are less distinct than those for electrofishing abundance (Table 17). Stations 6L (8.816), 1L (8.758), 5L (8.560), 3L (8.442), 4L (8.437), 4R (8.202), and 2 (8.074) are not significantly different but are greater than stations 1R (7.824), 3R (7.286), 6R (7.243), and 5R (7.132); the mean biomass values within the latter group are not significantly different.

One-way ANOVA of the $\ln(x)$ biomass of fish captured by seining in 1987 showed no significant differences between stations (Table 18). However, a one-way ANOVA of $\ln(x)$ seining abundance during 1987 showed significant differences among stations (Table 19). Duncan's multiple comparison of means shows the relative differences among stations. Stations 5L (4.528), 2 (4.444), 4R (4.035), 5R (3.705), and 1R (3.404) are not significantly different. Stations 4R (4.0346), 5R (3.705), 1R (3.404), 6L (2.964), 4L (2.895), 6R (2.824), 1L (2.736), 3L (2.712), and 3R (2.678) do not have significantly different mean abundances (Table 20).

Average linkage cluster analysis was employed in an attempt to illustrate differences in abundance of all species among stations in 1987. Two major groups are produced (Fig. 9); stations 4R, 1R, 6R, 3R, 4L, 3L, 6L, and 1L and stations 5L and 5R. Station 2, Horse Creek, is distinctive and is not similar to any other group. This result is not surprising as the habitat at 5L and 5R are similar and Station 2 reflects a different aquatic system and sampling approach.

10-Year Review

This is the tenth year of sampling at the Braidwood Station aquatic monitoring area and a review of the data are in order. This section will attempt to identify possible trends and assess faunal relationships from temporal and spatial standpoints.

Table 21 gives the total catch and total biomass figures for August samples from 1977 through 1987; fluctuations occur from year to year, which are to be expected. Table 22 depicts the relative percentage of the total catch (abundance) of the dominant species from 1978 to 1987. Smallmouth bass and bluntnose minnow appear in all but 2 years. Table 23 provides relative biomass of the dominant species collected from 1977 through 1987. Smallmouth bass and golden redhorse are among the five dominant species in all years. Smallmouth bass are a major component of the fish community among the monitoring stations on the Kankakee River.

Condition

Fulton's condition factor, $K(TL)$ (Ricker 1975), is a useful index of the well being of fishes and is suitable for comparing different individuals of the same species. It can be applied to indicate differences due to sex, season, or location. Changes in condition (temporally or spatially) can indicate that an environmental factor or combination of factors has altered the growth characteristics of an individual or population. Mean condition factors for fish species collected in 1987 are given in Table 24. Mean condition factors and their 95% confidence intervals for smallmouth bass (Table 25), golden redhorse (Table 26), rock bass (Table 27), largemouth bass (Table 28), and spotfin shiner (Table 29) indicate that these species (some with differing functional guilds) have maintained relatively stable conditions over the 10-year study. All yearly confidence intervals overlap, indicating no yearly differences in condition.

Condition factor information generated from the literature is provided in Tables 30-34 to compare growth characteristics of fish species from the Kankakee River, other watersheds in Illinois, and other Midwestern streams. The condition of rock bass from the Kankakee has been somewhat lower than other Midwestern drainages but falls within the range for

northeastern Illinois streams (Table 31). Minnesota condition assessment standards depict the condition of rock bass in the Kankakee as poor to average. Smallmouth bass condition throughout this study appears to be similar to the literature. Data on golden redhorse condition depict a similar situation, although their mean K(TL) in the Kankakee is marginally lower than that of other collections (Table 33).

Diversity

Diversity indices have become an increasingly popular tool that biologists and ecologists use to reduce unwieldy data sets to a single number. Much focus has been placed on species diversity and its relation to environmental quality and stability. A major drawback to the use of diversity indices is the assumption that high diversity equates with high environmental quality and stability (species persistence within a specific system). Diversity has, therefore, become a standard method to assess community robustness. Diversity estimates depend on a variety of factors other than environmental quality (spatial and temporal factors) and are not independent of sample size (Green 1979); therefore, diversity indices should be used in conjunction with other analytical methods in the examination of faunal characteristics.

A two-way ANOVA, by year and station without replication, of the mean diversity (combined methods) from 1979-1987 shows that both years and stations have highly significant differences (Table 35). A Student-Newman-Keuls (SNK) *a posteriori* test (Sokal and Rolf 1969) was employed to discern differences between yearly and station means. The highest mean diversity (3.590) was in 1981 (Table 36). Mean diversity in 1978 (3.213) was significantly greater than that in 1987 (2.388) and 1986 (2.395). The yearly means for 1977 (3.046), 1982 (2.872), and 1984 were greater than 1987 (2.388). Mean diversity appears to have decreased in the more recent collections.

Mean diversity at station 5L (3.336) is significantly greater than stations 3R (2.468), 4R (2.633), 4L (2.709), 3L (2.732), 6L (2.818), and 6R (2.864) (Table 37). Mean diversity at Station 2 (3.092) is greater than that at stations 3R (2.468) and 4R (2.633). The means for 5R (3.014), 1R (3.011), 1L (2.965), and 6R (2.864) are significantly greater than Station 3R (2.468). Lower diversity at stations 3R, 4R, 4L, and 3L may be due to poor habitat (high homogeneity at these sites); also these stations are physically smaller with abbreviated sampling times and may be prone to produce fewer captures. Station 6R is

dominated by sandy substrate and heavy shoreline development for boating access, which may reduce diversity, while lower values at 6L could be influenced by a habitat best suited to large piscivores.

Abundance

A two-way ANOVA, by year and station without replication, of the square root of total abundance (Table 38) shows highly significant differences for both years and stations from 1978 to 1987. SNK analysis (Table 39) reveals the nature of the yearly differences in mean abundance; abundance in 1985 (28.589) was greater than all other years while the mean abundance for 1982 (9.595) was lower than all other years. Mean abundance in 1987 (19.750) was also greater than that for 1983 (13.332). The high mean for 1985 is probably due to very low water levels, which alters capture efficiency. Table 40 shows significant differences among stations. Station 2 (25.647) had a greater mean abundance than all other stations, with the exception of 5R (21.737) and 5L (23.050). Mean abundance at 5L (23.050) and 5R (21.737) are larger than 4R (12.916), 3L (13.554), 3R (13.742), 6R (13.936), 4L (14.318), and 1R (15.703). The high mean abundance at Station 2 may be attributable to a different sampling regime than the main channel stations (time and area) due to physical restrictions and reflects a different system. The high mean abundances at stations 5L and 5R may be related to the diverse habitat (rocky areas and depositional zones with organic bottoms); these stations may serve as refuges for juvenile fish.

Biomass

A two-way ANOVA, by year and station without replication, of the natural log of total biomass of fish captured from 1978 to 1987 indicates significant differences between years and stations (Table 41). SNK analysis for mean yearly differences (Table 42) shows that the biomass in 1981 (10.369) was significantly greater than all other years. Mean biomass for all years, except 1979 (9.472) and 1987 (9.465), was greater than the low mean for 1978 (9.283). Differences among stations are presented in Table 43. Stations 1L (10.426) and 6L (10.457) have higher mean biomass than all other stations with the exception of Station 2 (10.131). The highest mean biomass for the 10-year period was found at stations 1L, 6L, and 2. The means at 1L and 6L are similar and may be attributed to the similarity

of habitat—rocky shoals that extend outward into the main channel along the length of the sampling area with substantial currents. These stations may harbor larger fishes (golden redhorse, channel catfish, and smallmouth bass) and would be less likely to attract smaller adult and juvenile fishes (prey) that prefer slower flows.

Smallmouth Bass

As mentioned earlier, the smallmouth bass is an important component of the recreational fishery in the Kankakee River. Angler surveys (Graham et al. 1984) show that smallmouth bass are second only to channel catfish in importance in the Kankakee River.

Smallmouth bass abundance has varied throughout the study (Table 44). A two-way ANOVA, by year and station without replication, of the square root of total abundance of smallmouth bass collected from 1978 to 1987 indicates significant differences between years and stations (Table 45). SNK analysis of mean smallmouth bass abundance (Table 46) depicts the nature of yearly differences. Highest mean abundance (7.454) of smallmouth bass occurred in 1985 and the lowest (2.719) in 1982. The remaining years showed no statistical differences. The high value in 1985 was probably a result of low water levels during sampling.

SNK analysis for mean abundance of smallmouth bass by station, 1978-1987, shows that stations 1L (6.986), 6L (6.607), and 2 (6.332) are not statistically different (Table 47). However, these stations have higher mean abundances than all other stations. Stations 1L and 6L have similar habitats (rocky shoals with moderate current and shoreline vegetation beds). Similar abundance at Station 2 over the 10-year study is probably due to differences in sampling effort and efficiency.

These relationships are confirmed by the application of average linkage clustering procedures to smallmouth abundance at all stations from 1978-1987 (Fig. 10). Two distinct clusters are formed; the first contains stations 6L, 1L, and 2. This group shows an especially strong similarity between 6L and 1L, with a smaller similarity between the aforementioned stations and Station 2. The remaining stations fall into the other major group. Data for smallmouth bass abundance, when viewed from a temporal standpoint, shows that 1985 is the only year not included in the predominant cluster (Fig. 11).

Concluding Remarks

The data generated during this series and its subsequent analysis are providing valuable insight into the characteristics of the fish community in the Kankakee River and Horse Creek. Although one would expect spatial and temporal variation in biomass, abundance, and diversity, some basic patterns are becoming evident...Some of the variation in community characteristics is due to an interplay of environmental and biological factors. However, it should be remembered that sampling procedures and gear efficiency must be evaluated when fish populations are assessed and conclusions postulated, as they too can contribute considerably to this variation.

Bayley and Austen (1987) state that, in lentic systems, fish population comparisons over different habitats which do not consider the efficiency of the gear may produce conclusions that "reflect the relative ease of capture by size or species of fish in different environments." Factors that influence capture efficiency include fish length, species, depth, water clarity and percent weed cover. These problems can only be exacerbated when one moves to the more dynamic lotic system.

TEMPORAL CONSIDERATIONS. Abundance was highest in 1985 and is probably due to greater capture efficiency in low water as fish tend to congregate. The remaining years will provide reasonable abundance figures for comparisons after plant operation commences. Biomass was highest in 1981; other years compare favorably among themselves and should provide representative biomass values for comparison after plant operation commences. The removal of yearly data (outliers) that may reflect changes in capture efficiency, and not true biological or environmental variation, will enhance the sensitivity of future comparisons and will more effectively detect impact induced community changes.

SPATIAL CONSIDERATIONS. Stations in the monitoring area vary considerably. A wide cross section of river habitat is available to the fish community. Relationships that may provide the most valuable impact data are:

Stations 1L and 6L—These stations are very similar in habitat type (described previously). This similarity is reflected in biomass and abundance of all species, especially abundance of smallmouth bass. This

relationship may be the most reliable far-field comparison of pre-operational and post-operational data, if impacts extend that distance.

Stations 5L and 5R—These stations have very similar habitats but are attractive to a different complex of fish species than stations 1L and 6L. Compositionally, 5L and 5R were similar in 1987. Furthermore, they show similar abundance values over the length of the study. These stations may be the most reliable near-field comparison of pre-operational and post-operational data. Diversity at these two stations and at 1L and 1R compare favorably. Although diversity is not the best indicator of environmental quality, it can provide supplemental information on possible impacts and should be examined.

Station 2—Horse Creek has continually maintained moderate biomass and high abundance throughout the series. Compositionally it was distinct from all other stations in 1987 and will probably remain so.

These strong relationships are especially important to the sampling approach and capture efficiency. These stations, particularly 1L, 6L, 5L, and 5R, may have reduced variability due to greater similarity in sampling procedure and efficiency and may reflect the most accurate and reliable changes if impact occurs.

SUMMARY

1. Fifty-three fish species representing 14 families were collected from the Kankakee River and Horse Creek in the Braidwood Station aquatic monitoring area in August 1987. The tadpole madtom (*Noturus gyrinus* Mitchell) was collected for the first time in this series at station 5L.
2. Two fishes currently and previously collected in the monitoring area are now recommended as threatened or endangered species in Illinois. The pallid chub, *Hybopsis amnis*, is recommended as endangered; none were collected during 1987. This species has been present, although in low numbers, in all other collections except 1977. The river redhorse, *Moxostoma carinatum*, is recommended as threatened; in 1987, 17 individuals were collected from designated stations.
3. Total fish biomass was 169 kg in 1987, down from 206 kg in 1986. Total catch was 4,734 fish in 1987, a substantial increase over that for 1986 (3,567).
4. Golden redhorse, smallmouth bass, gizzard shad, quillback, and rock bass accounted for 68.6% of the total biomass in 1987.
5. Spotfin shiner, bluntnose minnow, longear sunfish, gizzard shad, and bullhead minnow numerically comprised 57.3% of the total catch in 1987.
6. Significant differences were found between stations in the 1987 catch for biomass and abundance of electrofishing samples. No significant differences were found between stations for seining biomass but differences were detected in the seine catch for abundance.
7. Anomalies in the form of macroparasites, diseases, malformations, or injuries were found on 9.55% of the total catch; *Neascus* was responsible for 7.5 % of those occurrences.
8. Condition, K(TL), of smallmouth bass, golden redhorse, rock bass, largemouth bass, and spotfin shiner has remained relatively constant over the 10-year sampling period.
9. Two-way ANOVAs revealed highly significant differences for both years and stations for mean diversity over the 10-year sampling period. Mean diversity for 1987 was the lowest in this series but was not significantly different than that in 1986, 1985, 1983, and 1984. Mean diversity for 1981 was higher than all other years. Mean diversity at stations 3R, 4R, 4L, 3L, and 6L were lowest among the stations.
10. Two-way ANOVAs revealed highly significant differences for both years and stations for total abundance from 1978 to 1987. Mean abundance was highest in 1985 and lowest in 1982. Station 2 (Horse Creek), 5L, and 5R had higher mean abundances than the other stations. This latter result is also visible via cluster analysis.

11. Two-way ANOVAs revealed highly significant differences for both years and stations for total biomass from 1978 to 1987. The highest mean biomass was in 1981.
12. Two-way ANOVAs revealed highly significant differences for both years and stations for smallmouth bass abundance from 1978 to 1987. The highest abundance was in 1985 while the lowest mean abundance was in 1982. Cluster analysis for yearly abundance also reveals the dissimilarity between 1985 and 1982. Stations 1L, 6L, and 2 had the highest mean abundance of all stations. Cluster analysis also depicts high similarity among these stations.

REFERENCES

- Bayley, P.B., and D.J. Austen. 1987. Comparative analysis of fish populations in Illinois impoundments: Gear efficiencies and standards for condition factors. Aquatic Biology Technical Report 87/14. Illinois Natural History Survey, Champaign.
- Barker, B., J.B. Carlisle, and R. Nyberg. 1967. Kankakee River basin study, a comprehensive plan for water resource development. Bureau of Water Resources, Department of Public Works, Springfield, Illinois.
- Brigham, W.U., L. Suloway, J.M. Kasprovicz, and M.J. Wetzel. 1984. Survey of Kankakee River mussels (Mollusca: Unionidae) at site of proposed sewer interceptor project, City of Kankakee, Kankakee County, Illinois. Technical report, Faunistics and Insect Identification, Illinois Natural History Survey, Champaign.
- Carlander, K.D. 1969. Handbook of freshwater fishery biology, vol. 1. Iowa State University Press, Ames.
- Carlander, K.D. 1977. Handbook of freshwater fishery biology, vol. 2. Iowa State University Press, Ames.
- Graham, R.J., R.W. Larimore, and W.F. Dimond. 1984. Recreational fishing in the Kankakee River, Illinois. Illinois Natural History Survey Biological Note 120.
- Green, R.H. 1979. Sampling design and statistical methods for environmental biologists. John Wiley and Sons, New York.
- Herricks, E.E., and D.E. Himelick. 1981. Illinois water quality management information system Biological component: fisheries. Prepared for Illinois Environmental Protection Agency, Springfield.
- Hurlbert, S.H. 1984. Pseudoreplication and the design of ecological field experiments. Ecological Monographs 54:187-211.
- Illinois Department of Conservation. 1987. What fish is this? Illinois Department of Conservation, Springfield.
- Kwak, T.J. 1987. Kankakee River fishes of the Braidwood Station Aquatic Monitoring Area, August 1986. Aquatic Biology Technical Report 87/01. Illinois Natural History Survey, Champaign.
- Pileou, E.C. 1984. The interpretation of ecological data. John Wiley and Sons, New York.
- Ricker, R.W. 1975. Computation and interpretation of biological statistics of fish populations. Bulletin of the Fisheries Research Board of Canada 191.
- Shannon, C.E. 1948. A mathematical theory of communication. Bell System Technical Journal 27:379-423, 623-656.
- Skelly, T.M., and M.J. Sule. 1983. The pallid shiner, *Notropis amnis* Hubbs and Greene, a rare Illinois fish. Transactions of the Illinois State Academy of Science 76:131-138.
- Smith, P.W. 1971. Illinois streams: a classification based on their fishes and an analysis of factors responsible for disappearance of native species. Illinois Natural History Survey Biological Note 76.
- Smith, P.W. 1979. The fishes of Illinois. University of Illinois Press, Urbana.
- Sokal, R.R. and F.J. Rohlf. 1969. Biometry, 1st ed. W.H. Freeman and Co., San Francisco.

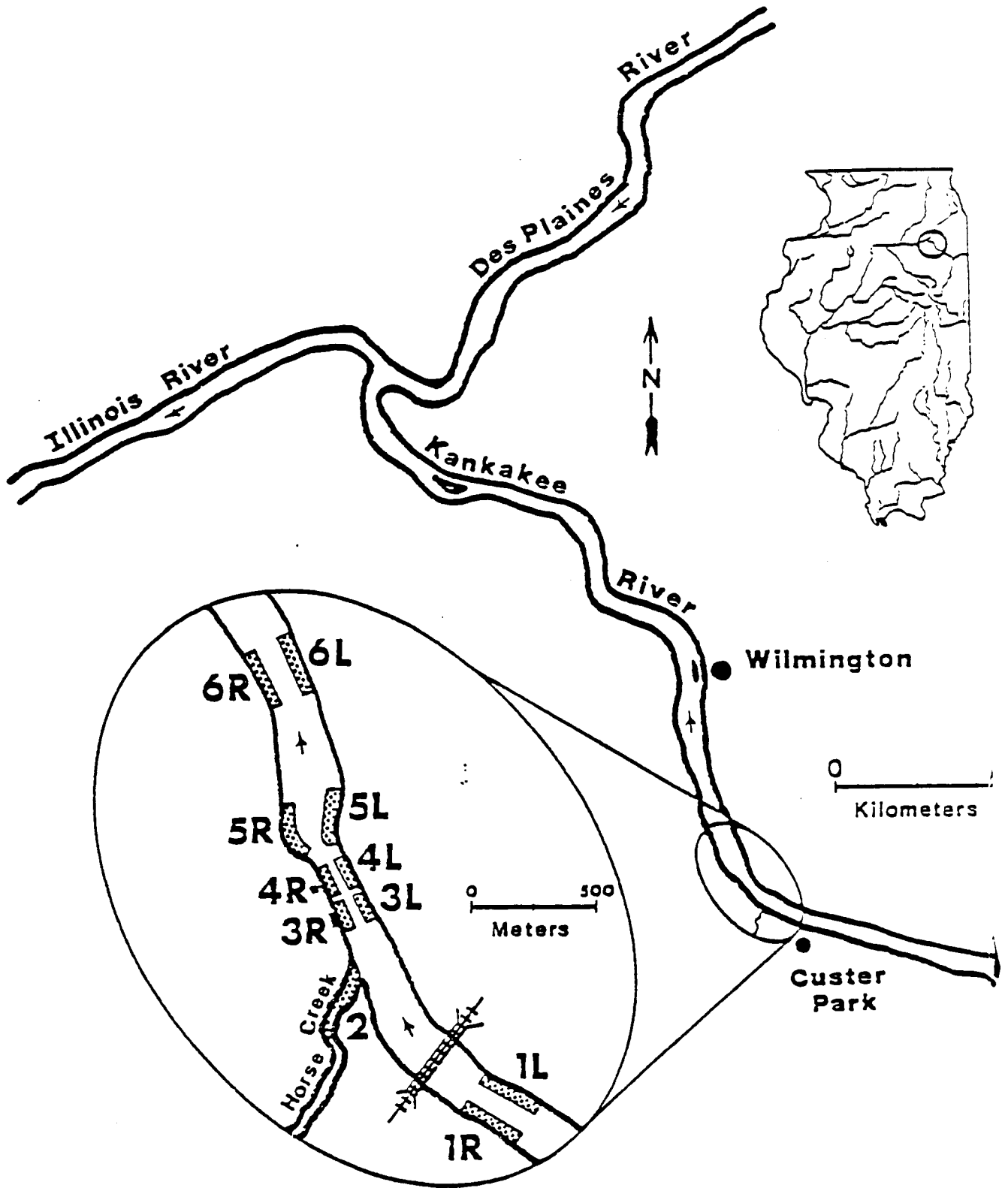


Fig. 1. Locations of sampling stations in the Braidwood Station aquatic monitoring area.

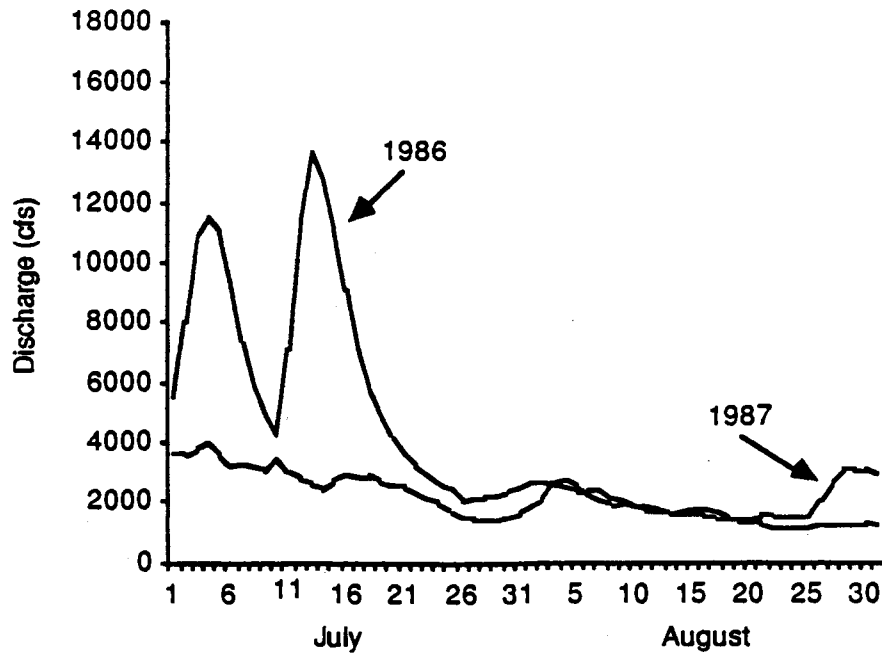


Fig. 2. Mean daily discharge (cfs) for the Kankakee River near Wilmington, Illinois, July and August, 1986-1987.

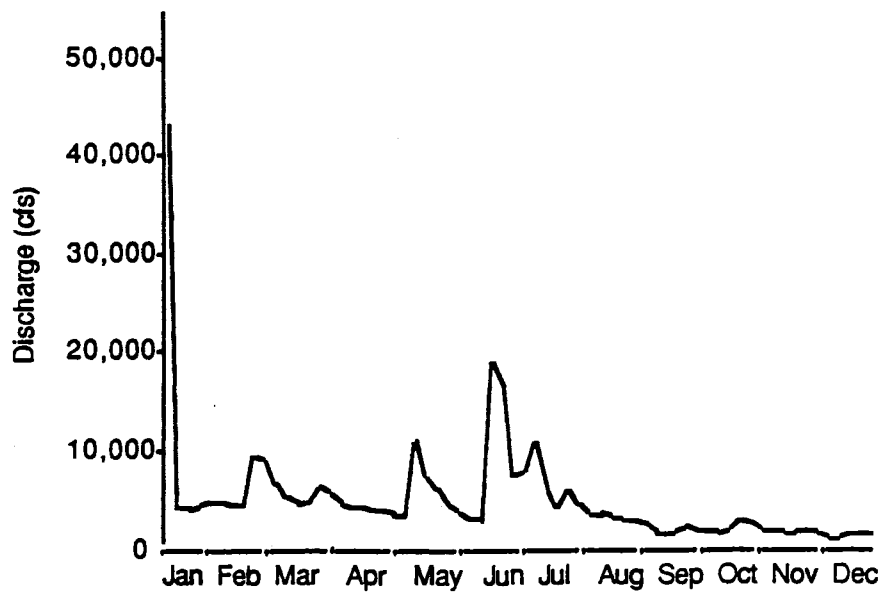


Fig. 3. Five-day mean discharge (cfs) for the Kankakee River near Wilmington, Illinois, 1987.

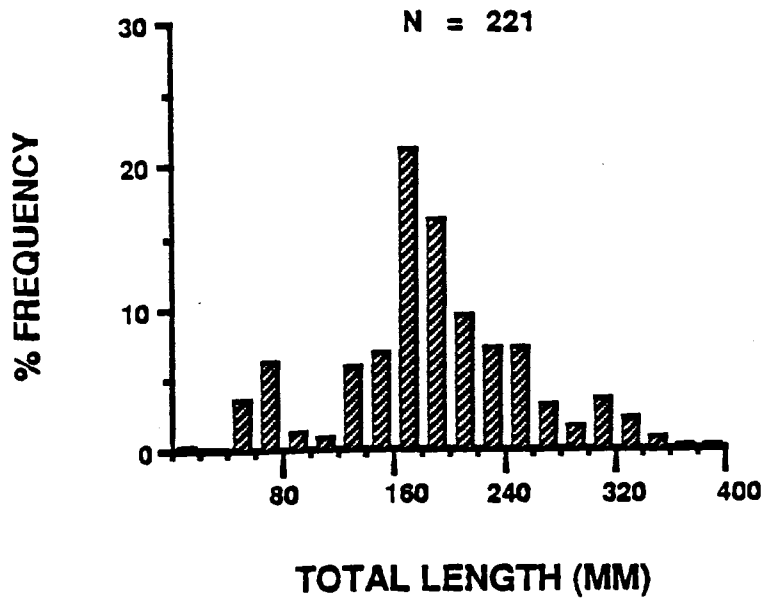


Fig. 4. Length-frequency distribution for smallmouth bass collected from the Kankakee River and Horse Creek, August 1987.

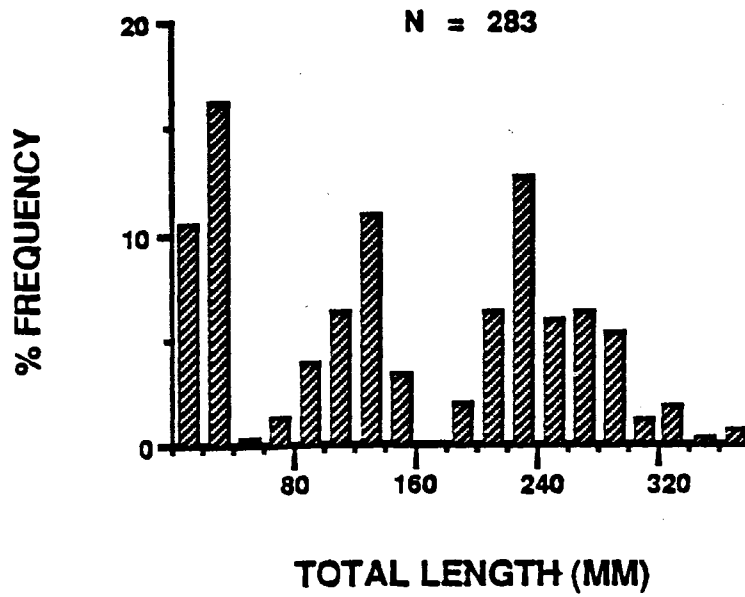


Fig. 5. Length-frequency distribution for gizzard shad collected from the Kankakee River and Horse Creek, August 1987.

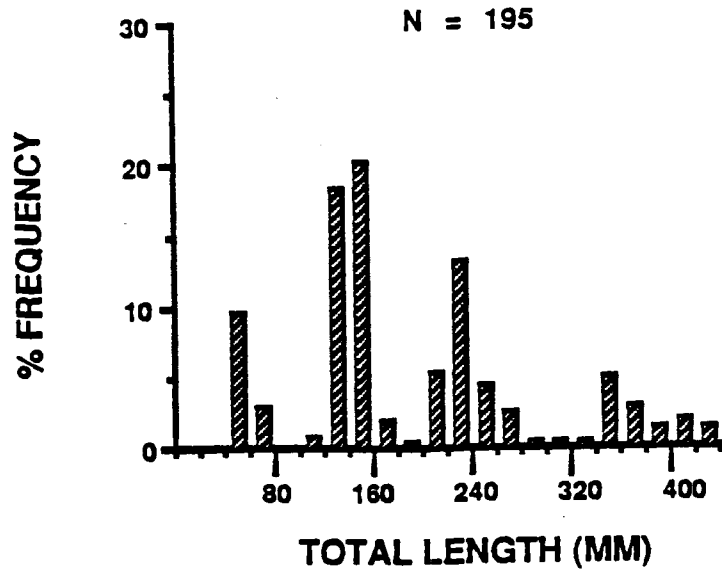


Fig. 6. Length-frequency distribution for golden redhorse collected from the Kankakee River and Horse Creek, August 1987.

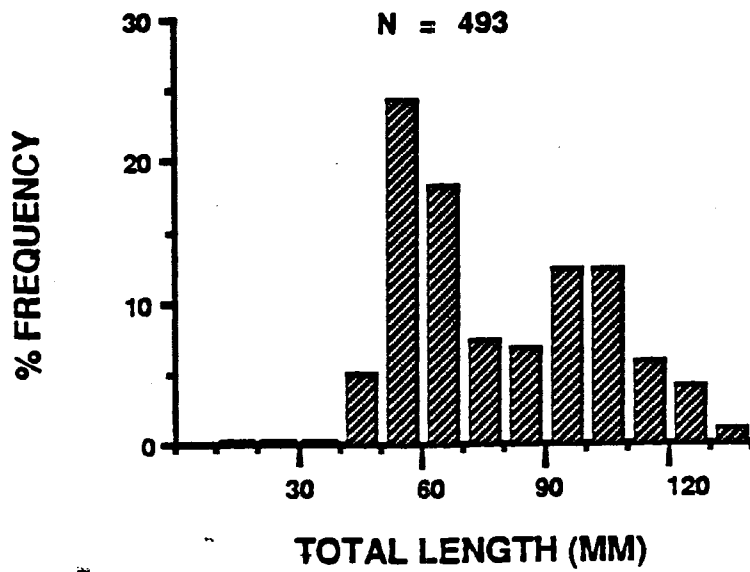


Fig. 7. Length-frequency distribution for longear sunfish collected from the Kankakee River and Horse Creek, August 1987.

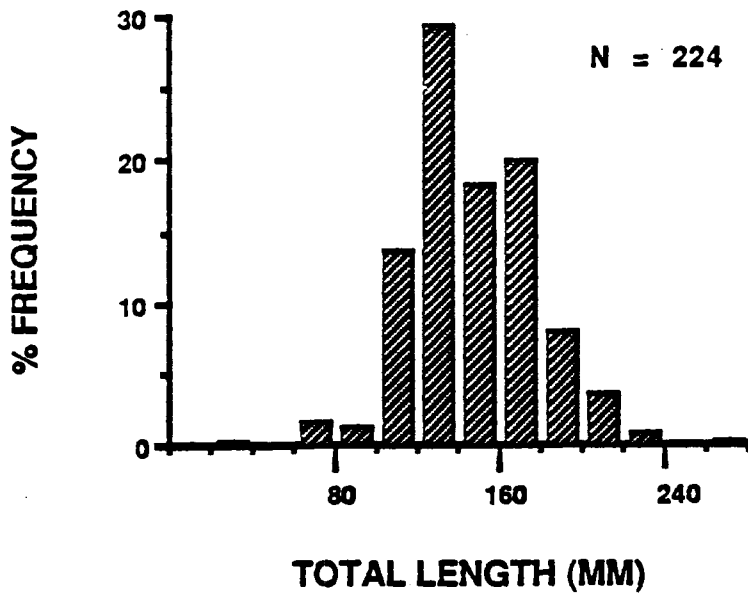


Fig. 8. Length-frequency distribution for rock bass collected from the Kankakee River and Horse Creek, August 1987.

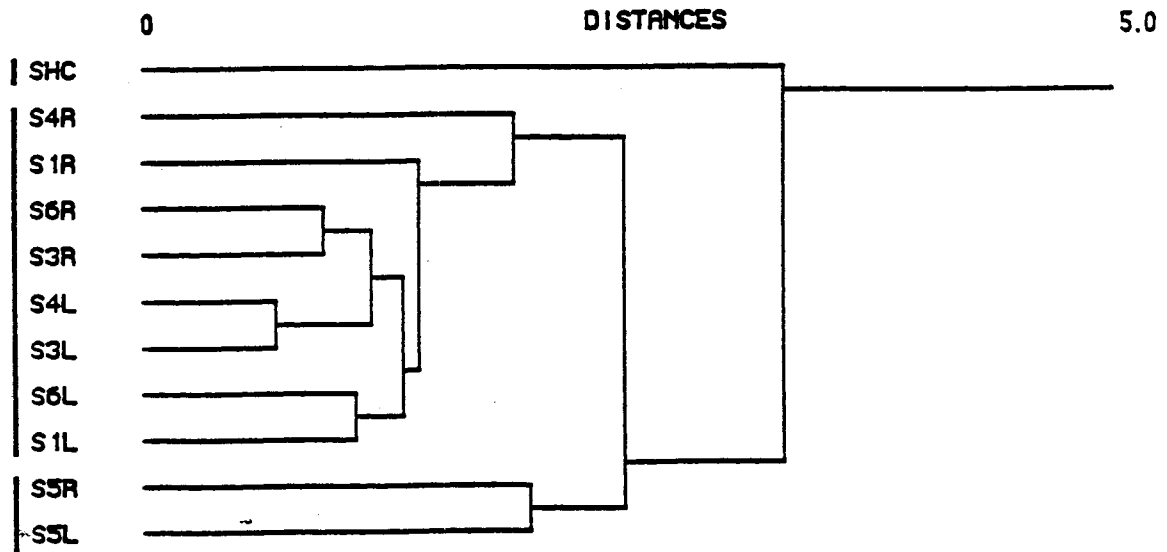


Fig. 9. Dendrogram produced by applying average linkage clustering (Euclidean distances) to total abundance for all species collected from the Braidwood Station aquatic monitoring area in 1987.

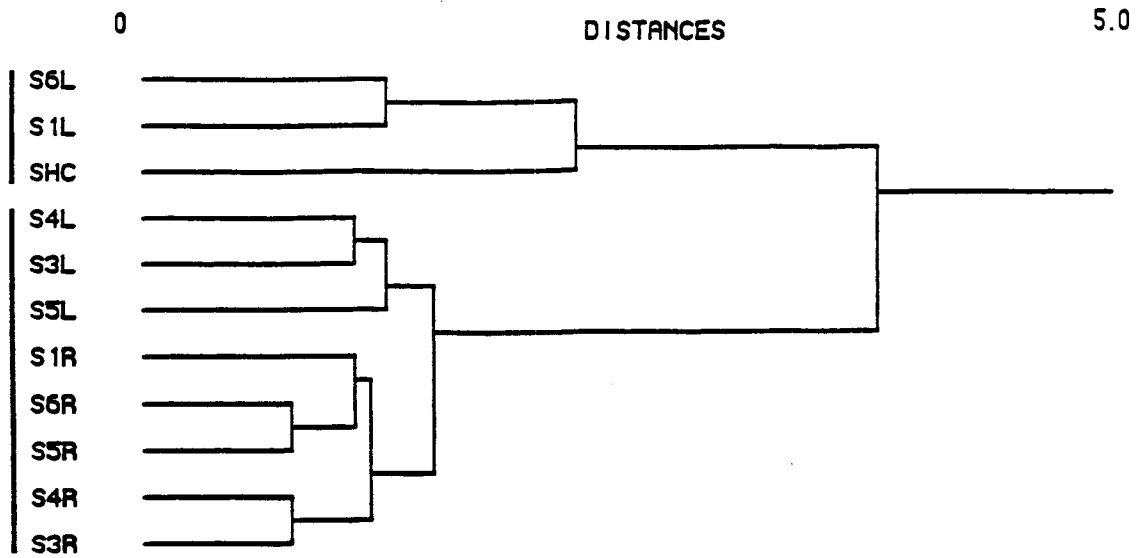


Fig. 10. Dendrogram (by station) produced by applying average linkage clustering (Euclidean distances) to smallmouth bass abundance in the Braidwood Station aquatic monitoring area , 1978-1987.

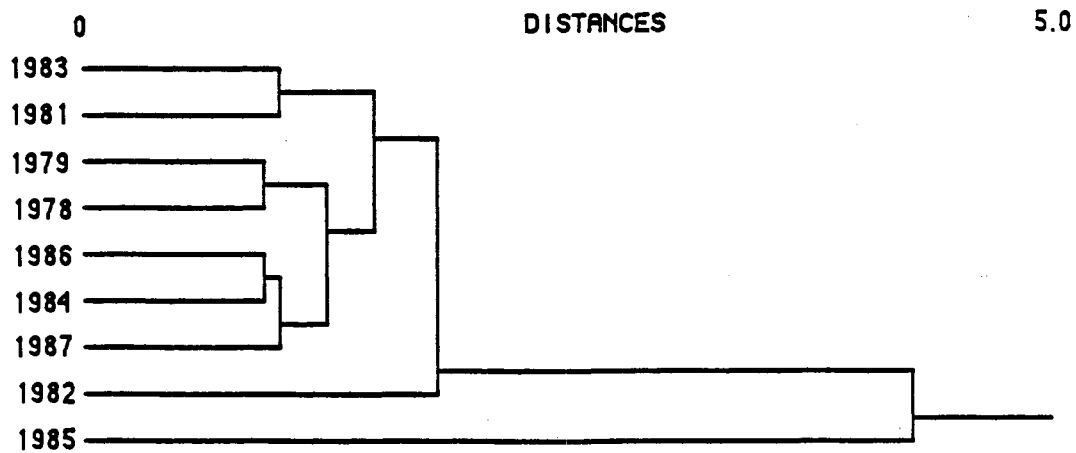


Fig. 11. Dendrogram (by year) produced by applying average linkage clustering (Euclidean distances) to smallmouth bass abundance in the Braidwood Station aquatic monitoring area , 1978-1987.

Table 1. Fishes collected from the Kankakee River and Horse Creek in the Braidwood Station Aquatic Monitoring Area from 1977 through 1987.

Lepisosteidae	<i>Lepisosteus osseus</i> (Linnaeus)	Longnose gar
Amiidae	<i>Amia calva</i> Linnaeus	Bowfin
Anguillidae	<i>Anguilla rostrata</i> (Lesueur)	American eel
Clupeidae	<i>Dorosoma cepedianum</i> (Lesueur)	Gizzard shad
	<i>Dorosoma petenense</i> (Günther)	Threadfin shad
Salmonidae	<i>Salmo gairdneri</i> Richardson	Rainbow trout
Umbridae	<i>Umbria limi</i> (Kirtland)	Central mudminnow
Esocidae	<i>Esox americanus</i> Gmelin	Grass pickerel
	<i>Esox lucius</i> Linnaeus	Northern pike
Cyprinidae	<i>Carassius auratus</i> (Linnaeus)	Goldfish
	<i>Cyprinus carpio</i> Linnaeus	Carp
	<i>Notemigonus crysoleucas</i> (Mitchill)	Golden shiner
	<i>Semotilus atromaculatus</i> (Mitchill)	Creek chub
	<i>Nocomis biguttatus</i> (Kirtland)	Hornyhead chub
	<i>Phenacobius mirabilis</i> (Girard)	Suckermouth minnow
	<i>Hybopsis amnis</i> (Hubbs & Greene)	Pallid chub
	<i>Notropis atherinoides</i> Rafinesque	Emerald shiner
	<i>Notropis buchanani</i> Meek	Ghost shiner
	<i>Notropis chrysocephalus</i> (Rafinesque)	Striped shiner
	<i>Notropis dorsalis</i> (Agassiz)	Bigmouth shiner
	<i>Notropis emiliae</i> (Hay)	Pugnose minnow
	<i>Notropis lutrensis</i> (Baird & Girard)	Red shiner
	<i>Notropis rubellus</i> (Agassiz)	Rosyface shiner
	<i>Notropis spilopterus</i> (Cope)	Spotfin shiner
	<i>Notropis stramineus</i> (Cope)	Sand shiner
	<i>Notropis umbratilii</i> (Girard)	Redfin shiner
	<i>Notropis volucellus</i> (Cope)	Mimic shiner
	<i>Ericymba buccata</i> Cope	Silverjaw minnow
	<i>Pimephales notatus</i> (Rafinesque)	Bluntnose minnow
	<i>Pimephales promelas</i> Rafinesque	Fathead minnow
	<i>Pimephales vigilax</i> (Baird & Girard)	Bullhead minnow
	<i>Campostoma anomatum</i> (Rafinesque)	Common stoneroller
Catosomidae	<i>Ictiobus bubalus</i> (Rafinesque)	Smallmouth buffalo
	<i>Ictiobus cyprinellus</i> (Valenciennes)	Bigmouth buffalo
	<i>Carpiodes carpio</i> (Rafinesque)	River carpsucker
	<i>Carpiodes cyprinus</i> (Lesueur)	Quillback
	<i>Moxostoma carinatum</i> (Cope)	River redhorse
	<i>Moxostoma duquesnei</i> (Lesueur)	Black redhorse
	<i>Moxostoma erythrurum</i> (Rafinesque)	Golden redhorse
	<i>Moxostoma macrolepidotum</i> (Lesueur)	Shorthead redhorse
	<i>Hypentelium nigricans</i> (Lesueur)	Northern hog sucker
	<i>Catostomus commersoni</i> (Lacépède)	White sucker
	<i>Minytrema melanops</i> (Rafinesque)	Spotted sucker
	<i>Erimyzon oblongus</i> (Mitchill)	Creek chubsucker
	<i>Erimyzon sucetta</i> (Lacépède)	Lake chubsucker

Table 1 (concluded).

Ictaluridae	
<i>Ictalurus melas</i> (Rafinesque)	Black bullhead
<i>Ictalurus natalis</i> (Lesueur)	Yellow bullhead
<i>Ictalurus nebulosus</i> (Lesueur)	Brown bullhead
<i>Ictalurus punctatus</i> (Rafinesque)	Channel catfish
<i>Noturus flavus</i> Rafinesque	Stonecat
<i>Noturus gyrinus</i> Mitchill	Tadpole madtom
Aphredoderidae	
<i>Aphredoderus sayanus</i> (Gilliams)	Pirate perch
Cyprinodontidae	
<i>Fundulus notatus</i> (Rafinesque)	Blackstripe topminnow
Atherinidae	
<i>Labidesthes sicculus</i> (Cope)	Brook silverside
Percichthyidae	
<i>Morone mississippiensis</i> Jordan & Eigemann	Yellow bass
Centrarchidae	
<i>Micropterus dolomieu</i> Lacépède	Smallmouth bass
<i>Micropterus salmoides</i> (Lacépède)	Largemouth bass
<i>Lepomis cyanellus</i> Rafinesque	Green sunfish
<i>Lepomis gibbosus</i> (Linnaeus)	Pumpkinseed
<i>Lepomis gulosus</i> (Cuvier)	Warmouth
<i>Lepomis humilis</i> (Girard)	Orangespotted sunfish
<i>Lepomis macrochirus</i> (Rafinesque)	Bluegill
<i>Lepomis megalotis</i> (Rafinesque)	Longear sunfish
<i>Ambloplites rupestris</i> (Rafinesque)	Rock bass
<i>Pomoxis annularis</i> Rafinesque	White crappie
<i>Pomoxis nigromaculatus</i> (Lesueur)	Black crappie
Percidae	
<i>Stizostedion vitreum</i> (Mitchill)	Walleye
<i>Perca flavescens</i> (Mitchill)	Yellow perch
<i>Percina caprodes</i> (Rafinesque)	Logperch
<i>Percina maculata</i> (Girard)	Blackside darter
<i>Percina phoxocephala</i> (Nelson)	Slenderhead darter
<i>Etheostoma caeruleum</i> Storer	Rainbow darter
<i>Etheostoma microperca</i> Jordan & Gilbert	Least darter
<i>Etheostoma nigrum</i> Rafinesque	Johnny darter
<i>Etheostoma zonale</i> (Cope)	Banded darter
Scaenidae	
<i>Aplodinotus grunniens</i> Rafinesque	Freshwater drum

Table 2. Total catch of the pallid chub and river redhorse from designated stations in the Braidwood Station aquatic monitoring area, 1977-1987.

	1977	1978	1979	1981	1982	1983	1984	1985	1986	1987
Pallid chub	0	1	9	3	2	1	49	16	4	0
River redhorse	70	10	46	26	10	4	5	18	103	17

Table 3. Total catch (by method) for each fish species collected from the Kankakee River and Horse Creek, August 1987. Biomass (Wt) is in grams.

Species	Electrofishing		Seining		Total	
	No.(%)	Wt.(%)	No.(%)	Wt.(%)	No.(%)	Wt.(%)
Longnose gar	6(0.2)	186.0(0.1)	0(0.0)	0.0(0.0)	6(0.1)	186.0(0.0)
Bowfin	2(0.1)	1465.0(0.9)	0(0.0)	0.0(0.0)	2(0.0)	1465.0(0.9)
Gizzard shad	203(8.2)	23863.8(14.3)	80(3.5)	23.6(0.9)	283(6.0)	23887.4(14.1)
Grass pickerel	6(0.2)	164.6(0.1)	3(0.1)	31.1(1.2)	9(0.2)	195.6(0.1)
Northern pike	9(0.4)	7820.0(4.7)	0(0.0)	0.0(0.0)	9(0.2)	7820.0(4.6)
Goldfish	1(0.0)	52.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	52.0(0.0)
Carp	13(0.5)	13185.0(7.9)	0(0.0)	0.0(0.0)	13(0.3)	13185.0(7.8)
Silverjaw minnow	0(0.0)	0.0(0.0)	4(0.2)	0.7(0.0)	4(0.1)	0.7(0.0)
Hornyhead chub	2(0.1)	26.7(0.0)	7(0.3)	4.4(0.2)	9(0.2)	31.1(0.0)
Golden shiner	4(0.2)	32.8(0.0)	0(0.0)	0.0(0.0)	4(0.1)	32.8(0.0)
Emerald shiner	0(0.0)	0.0(0.0)	16(0.7)	3.8(0.1)	16(0.3)	3.8(0.0)
Striped shiner	18(0.7)	50.7(0.0)	60(2.7)	16.2(0.6)	78(1.6)	66.9(0.0)
Red shiner	0(0.0)	0.0(0.0)	1(0.0)	0.6(0.0)	1(0.0)	0.6(0.0)
Rodyface shiner	19(0.8)	31.4(0.0)	18(0.8)	4.2(0.2)	37(0.8)	35.6(0.0)
Spotfin shiner	369(14.9)	448.5(0.3)	669(29.7)	355.2(13.2)	1038(21.9)	803.7(0.5)
Sand shiner	54(2.2)	39.8(0.0)	212(9.4)	119.0(4.4)	266(5.6)	158.8(0.1)
Redfin shiner	10(0.4)	7.5(0.0)	18(0.8)	12.7(0.5)	28(0.6)	20.2(0.0)
Mimic shiner	63(2.5)	49.9(0.0)	128(5.7)	83.9(3.1)	191(4.0)	133.8(0.1)
Suckermouth minnow	4(0.2)	3.1(0.0)	13(0.6)	9.9(0.4)	17(0.4)	13.0(0.0)
Bluntnose minnow	236(9.5)	327.5(0.2)	388(17.2)	296.2(11.0)	624(13.2)	623.7(0.4)
Bullhead minnow	31(1.3)	44.3(0.0)	241(10.7)	77.0(2.9)	272(5.7)	131.3(0.1)
Creek chub	1(0.0)	1.1(0.0)	0(0.0)	0.0(0.0)	1(0.0)	1.1(0.0)
Quillback	36(1.5)	22748.7(13.6)	0(0.0)	0.0(0.0)	36(0.8)	22748.7(13.4)
White sucker	1(0.0)	320.0(0.2)	0(0.0)	0.0(0.0)	1(0.0)	320.0(0.2)
Northern hog sucker	10(0.4)	3835.0(2.3)	0(0.0)	0.0(0.0)	10(0.2)	3835.0(2.3)
Smallmouth buffalo	0(0.0)	0.0(0.0)	1(0.0)	3.2(0.1)	1(0.0)	3.2(0.0)
River redhorse	17(0.7)	2633.0(1.6)	0(0.0)	0.0(0.0)	17(0.4)	2633.0(1.5)
Golden redhorse	181(7.3)	28136.1(16.8)	14(0.6)	14.6(0.5)	195(4.1)	28150.6(16.6)
Shorthead redhorse	7(0.3)	2848.2(1.7)	0(0.0)	0.0(0.0)	7(0.1)	2848.2(1.7)
Yellow bullhead	1(0.0)	57.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	57.0(0.0)
Channel catfish	3(0.1)	5178.0(3.1)	3(0.1)	3.4(0.1)	6(0.1)	5181.4(3.0)
Stonecat	3(0.1)	52.4(0.0)	0(0.0)	0.0(0.0)	3(0.1)	52.4(0.0)
Pirate perch	1(0.0)	2.3(0.0)	0(0.0)	0.0(0.0)	1(0.0)	2.3(0.0)
Blackstripe topminnow	3(0.1)	2.9(0.0)	28(1.2)	10.8(0.4)	31(0.7)	13.7(0.0)
Brook silverside	7(0.3)	10.3(0.0)	53(2.3)	24.6(0.9)	60(1.3)	34.9(0.0)
Yellow bass	2(0.1)	12.2(0.0)	0(0.0)	0.0(0.0)	2(0.1)	12.2(0.0)
Rock bass	220(8.9)	15731.1(9.4)	4(0.2)	174.1(6.5)	224(4.7)	15905.2(9.4)
Green sunfish	137(5.5)	2883.8(1.7)	22(1.0)	282.8(1.5)	159(3.4)	3166.6(1.9)
Warmouth	1(0.0)	16.0(0.0)	0(0.0)	0.0(0.0)	1(0.0)	16.0(0.0)
Orangespotted sunfish	39(1.6)	430.1(0.3)	11(0.5)	31.2(1.2)	50(1.1)	461.3(0.3)
Bluegill	67(2.7)	778.0(0.5)	49(2.2)	44.2(1.6)	116(2.5)	882.2(0.5)
Longear sunfish	410(16.5)	5424.6(3.2)	83(3.7)	744.4(27.6)	493(10.4)	6169.0(3.6)
Smallmouth bass	216(8.7)	25618.7(15.3)	5(0.2)	110.5(4.1)	221(4.7)	25729.2(15.1)
Largemouth bass	45(1.8)	1524.5(0.9)	20(0.9)	132.6(4.9)	65(1.4)	1657.1(1.0)
White crappie	1(0.0)	139.0(0.1)	0(0.0)	0.0(0.0)	1(0.0)	139.0(0.1)
Black crappie	4(0.2)	227.0(0.1)	1(0.0)	30.8(1.1)	5(0.1)	257.8(0.2)
Johnny darter	2(0.1)	1.1(0.0)	86(3.8)	34.6(1.3)	88(1.9)	35.7(0.0)
Logperch	4(0.2)	11.0(0.0)	2(0.1)	3.0(0.1)	6(0.1)	14.0(0.0)
Blackside darter	3(0.1)	3.5(0.0)	9(0.4)	9.3(0.3)	12(0.3)	12.8(0.0)
Slenderhead darter	0(0.0)	0.0(0.0)	1(0.0)	0.9(0.0)	1(0.0)	0.9(0.0)
Walleye	3(0.1)	117.6(0.1)	0(0.0)	0.0(0.0)	3(0.1)	117.6(0.1)
Tadpole madtom	0(0.0)	0.0(0.0)	2(0.1)	0.7(0.0)	2(0.0)	0.7(0.0)
Freshwater drum	1(0.0)	640.0(0.4)	0(0.0)	0.0(0.0)	1(0.0)	640.0(0.4)
All species	2478	167189.1	2256	2695.5	4734	169884.6

Table 4. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, August 1987. Similar data from 1986 are provided for comparison.

Species	1987	1986
Golden redhorse	16.6 (1)	26.6 (1)
Smallmouth bass	15.1 (2)	9.2 (4)
Gizzard shad	14.1 (3)	7.1 (5)
Quillback	13.4 (4)	13.3 (2)
Rock bass	9.4 (5)	9.9 (3)
Carp	7.8 (6)	6.6 (6)
Northern pike	4.6 (7)	-
Longear sunfish	3.6 (8)	3.4 (9)
Channel catfish	3.0 (9)	-
Northern hog sucker	2.3 (10)	-

Table 5. Percent composition by total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek, both methods, August 1987. Similar data from 1986 are provided for comparison.

Species	1987	1986
Spotfin shiner	21.9 (1)	4.7 (9)
Bluntnose minnow	13.2 (2)	20.8 (1)
Longear sunfish	10.4 (3)	13.1 (2)
Gizzard shad	6.0 (4)	3.8 (10)
Bullhead minnow	5.8 (5)	-
Sand shiner	5.6 (6)	-
Rock bass	4.7 (7)	7.4 (5)
Smallmouth bass	4.7 (8)	6.3 (6)
Golden redhorse	4.1 (9)	9.3 (3)
Mimic shiner	4.0 (10)	-

Table 6. Mean biomass (g) and range, percent composition by weight, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, August 1987.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Golden redbreast											
Mean	1614.2	982.8	322.5	751.3	32.7	143.8	300.3	321.2	142.1	1892.4	390.0
Range	370-3054	142-2685	150-765	82-1870	0-126	0-300	34-560	64-969	0-560	916-3243	0-550
%(R)	24.2(2)	29.8(1)	4.7(7)	25.0(2)	1.9(8)	5.7(6)	15.3(3)	5.8(6)	10.8(3)	25.2(1)	26.7(2)
Smallmouth bass											
Mean	1864.0	297.2	691.3	760.4	326.0	219.8	194.0	186.2	52.3	1623.0	190.5
Range	909-3789	82-845	270-1110	280-1428	0-742	107-374	60-542	73-379	0-209	577-3699	161-248
%(R)	27.9(1)	9.0(5)	10.2(3)	25.3(1)	18.6(2)	8.8(4)	9.9(4)	3.4(8)	4.0(5)	21.6(2)	13.0(3)
Gizzard shad											
Mean	515.8	59.3	2029.8	274.3	301.1	284.8	55.5	2002.2	413.5	144.1	26.8
Range	135-798	14-118	739-2808	0-1097	51-648	0-1108	0-218	485-3865	23-833	0-460	0-107
%(R)	7.7(6)	1.8(8)	29.8(1)	9.1(5)	17.2(3)	11.4(3)	2.8(9)	36.2(1)	31.5(2)	1.9(9)	1.8(8)
Quillback											
Mean	726.3	353.8	173.8	578.8	-	950.0	326.3	388.4	505.0	1082.5	602.5
Range	0-1845	0-1415	0-695	0-1185	-	0-2790	0-1000	0-1545	0-1145	0-2780	0-925
%(R)	10.9(3)	10.7(4)	2.6(10)	19.3(3)	-	38.0(1)	16.7(2)	7.0(4)	38.5(1)	14.4(3)	41.2(1)
Rock bass											
Mean	563.2	168.8	403.3	353.8	56.3	560.2	144.5	766.1	22.5	815.3	79.0
Range	211-866	0-340	329-470	56-642	0-113	187-772	94-210	469-1016	0-90	552-986	0-167
%(R)	8.4(5)	5.1(7)	5.9(5)	11.8(4)	3.2(7)	22.4(2)	7.4(6)	13.9(3)	1.7(7)	10.9(5)	5.4(4)
Carp											
Mean	460.0	793.8	549.5	-	550.0	-	165.0	778.0	-	-	-
Range	0-1280	0-3175	0-2198	-	0-2200	-	0-660	0-1810	-	-	-
%(R)	6.9(7)	24.1(2)	8.1(4)	-	31.3(1)	-	8.4(5)	14.1(2)	-	-	-
Northern pike											
Mean	-	-	1292.5	-	-	-	425.0	-	-	237.5	-
Range	-	-	360-1660	-	-	-	0-1700	-	-	0-950	-
%(R)	-	-	19.0(2)	-	-	-	21.7(1)	-	-	3.2(8)	-
Longear sunfish											
Mean	108.5	177.4	228.6	114.6	81.6	209.5	114.3	119.8	109.6	46.1	46.3
Range	48-242	93-271	156-389	44-249	0-156	124-347	7-313	23-266	44-147	0-120	0-120
%(R)	1.6(8)	5.4(6)	3.4(8)	3.8(6)	4.7(5)	8.4(5)	5.8(8)	2.2(10)	8.4(4)	0.6(10)	3.2(6)
Channel catfish											
Mean	-	382.5	-	-	-	-	-	-	-	912.0	-
Range	-	0-1530	-	-	-	-	-	-	-	0-3648	-
%(R)	-	11.6(3)	-	-	-	-	-	-	-	12.1(4)	-
Northern hog sucker											
Mean	92.5	-	378.8	-	85.0	-	140.0	-	-	262.5	-
Range	0-370	-	0-1235	-	0-340	-	0-560	-	-	0-565	-
%(R)	1.4(10)	-	5.6(6)	-	4.8(4)	-	7.1(7)	-	-	3.5(7)	-

Table 7. Percent composition by biomass and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, August 1987. Similar data from 1986 are provided for comparison.

Species	1987	1986
Golden redhorse	16.8 (1)	26.9 (1)
Smallmouth bass	15.3 (2)	9.4 (4)
Gizzard shad	14.3 (3)	7.2 (5)
Quillback	13.6 (4)	13.5 (2)
Rock bass	9.4 (5)	9.7 (3)
Carp	7.9 (6)	6.7 (6)
Northern pike	4.7 (7)	1.3
Longear sunfish	3.2 (8)	3.0 (9)
Channel catfish	3.1 (9)	2.2
Northern hog sucker	2.3 (10)	2.6

Table 8. Mean abundance and range, percent composition by number, and rank (R) of the total catch of dominant fishes collected at each station from electrofishing samples in the Kankakee River and Horse Creek, August 1987.

Species	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Longear sunfish											
Mean	6.75	15.25	22.50	10.50	5.50	15.00	7.75	5.25	8.25	2.25	3.50
Range	4-12	7-24	10-31	3-21	0-10	10-21	2-21	1-11	4-12	0-4	0-9
%(R)	9.89(4)	35.26(1)	12.86(3)	25.77(1)	14.67(2)	36.36(1)	21.68(2)	16.38(5)	31.13(1)	4.19(6)	22.95(1)
Spotfin shiner											
Mean	15.75	5.00	26.25	2.00	17.00	2.25	10.25	4.25	2.00	5.50	2.00
Range	8-25	2-10	3-57	1-3	3-47	0-5	7-16	1-9	0-5	0-11	1-5
%(R)	23.08(1)	11.56(2)	15.00(2)	4.91(5)	45.33(1)	5.45(5)	28.67(1)	5.17(8)	7.55(4)	10.23(4)	13.11(3)
Bluntnose minnow											
Mean	2.50	2.00	35.25	--	3.25	0.75	5.50	6.00	2.25	--	0.75
Range	1-5	1-3	15-62		0-8	0-2	3-10	2-15	0-8		0-2
%(R)	3.66(7)	4.62(8)	20.14(1)		8.67(3)	1.82(10)	15.38(3)	7.29(4)	8.49(3)		4.92(7)
Rock bass											
Mean	6.75	3.50	7.75	7.50	1.00	9.00	2.00	8.75	--	6.25	2.00
Range	4-10	0-8	6-9	2-13	0-2	3-14	1-4	6-12		5-8	0-4
%(R)	9.89(4)	8.09(4)	4.43(8)	18.40(3)	2.67(8)	21.82(2)	5.95(5)	10.64(2)		11.63(3)	13.11(3)
Smallmouth bass											
Mean	12.50	2.25	7.25	8.50	1.75	3.25	2.75	--	0.75	9.00	2.75
Range	7-24	1-4	5-10	4-12	0-3	2-5	1-7		0-3	3-16	2-3
%(R)	18.32(2)	5.20(7)	4.14(9)	20.86(2)	4.67(5)	7.88(3)	7.69(4)		2.83(8)	16.74(2)	18.03(2)
Gizzard shad											
Mean	4.50	2.75	12.50	1.00	--	0.75	0.50	18.75	4.50	2.00	0.25
Range	1-8	2-4	5-22	0-4		0-1	0-1	7-32	1-8	0-6	0-1
%(R)	6.59(6)	6.36(5)	7.14(6)	2.45(8)		1.82(10)	1.40(10)	22.80(1)	16.98(2)	3.72(7)	1.64(10)
Golden redbreast											
Mean	12.50	4.00	--	4.00	0.75	1.00	1.25	4.00	1.25	14.00	0.75
Range	9-15	2-8		1-8	0-2	0-3	1-2	2-6	1-4	10-20	0-1
%(R)											
Green sunfish											
Mean	0.75	0.75	17.75	1.75	1.25	1.75	1.25	7.50	--	--	1.25
Range	0-2	0-2	10-30	0-3	0-3	1-2	0-2	0-18			0-4
%(R)	1.10(10)	1.73(9)	10.14(4)	4.29(6)	3.33(6)	4.24(6)	3.50(6)	9.12(3)			8.20(5)
Bluegill											
Mean	--	2.50	6.75	--	1.25	1.25	0.50	--	0.75	--	--
Range		1-7	2-9		0-3	0-3	0-1		0-2		
%(R)		5.78(6)	3.86(10)		3.33(6)	3.03(7)	1.40(10)		2.83(8)		
Mimic shiner											
Mean	0.75	--	13.00	--	--	--	--	--	--	1.75	--
Range	0-2		2-30							0-3	
%(R)	1.10(10)		7.43(5)							3.26(9)	

Table 9. Percent composition of total abundance and rank (in parentheses) of the dominant fishes collected at all stations in the Kankakee River and Horse Creek by electrofishing, August 1987. Similar data from 1986 are provided for comparison.

Species	1987	1986
Longear sunfish	16.5 (1)	15.2 (1)
Spotfin shiner	14.9 (2)	3.0 (10)
Bluntnose minnow	9.5 (3)	12.3 (3)
Rock bass	8.9 (4)	9.3 (4)
Smallmouth bass	8.7 (5)	8.6 (5)
Gizzard shad	8.2 (6)	5.0 (8)
Golden redhorse	7.3 (7)	12.4 (2)
Green sunfish	5.5 (8)	6.8 (6)
Bluegill	2.7 (9)	-
Mimic shiner	2.5 (10)	-

Table 10. Age and length of smallmouth bass collected from the Kankakee River in 1987. Values (in mm) from the Illinois Department of Conservation (IDOC) are provided for comparison.

Age	N	Mean length(mm)	Range (mm)	SD	IDOC
I+	1	142.0	-	-	142
II+	4	181.25	170-194	10.81280	208
III+	9	246.0	210-287	26.65863	269
IV+	2	333.5	331-336	3.355340	323
V+	3	369.3	349-370	20.00833	368
VI+	-	-	-	-	414

Table 11. Length of age III+ smallmouth bass from other Midwestern streams (Carlander 1977).

Location	N	Mean length(mm)	Range
Little Miami River, Ohio	195	214	142-290
Arkansas streams	191	235	152-328
Black River, Missouri	212	264	155-328
Jordan Creek, Illinois	108	279	264-306
Iowa streams	106	291	241-400

Table 12. Mean diversity indices for the catch of fishes at each station during August 1977-1979, August 1981-1983, July and August 1984-1985, and August 1986-1987 for electrofishing, seining, and both methods combined.

Year	1L	1R	2	3L	3R	4L	4R	3-4L	3-4R	5L	5R	6L	6R
Electrofishing (N=4)													
1977	3.31	2.89	3.15	--	--	--	--	3.31	2.85	3.33	3.31	3.22	2.94
1978	3.12	2.51	3.02	2.68	2.56	2.91	2.75	--	--	2.92	3.73	3.09	2.42
1979	3.04	2.83	3.23	2.75	2.72	2.55	2.65	--	--	3.29	3.05	3.07	2.94
1981	3.16	3.20	3.29	3.11	2.84	2.87	2.90	--	--	3.53	3.38	3.01	2.86
1982	2.65	2.31	3.24	2.15	2.26	2.11	1.93	--	--	2.73	1.17	3.16	2.23
1983	2.72	2.91	3.31	2.63	2.28	2.13	1.66	--	--	3.04	2.46	2.79	2.42
1984	2.55	2.82	2.93	2.35	2.42	2.38	2.53	--	--	2.90	2.40	2.32	2.68
1985	2.66	2.89	3.61	2.44	3.56	2.23	2.77	--	--	3.04	3.33	2.64	3.10
1986	3.09	3.29	3.05	2.87	3.17	3.04	2.84	--	--	3.26	3.19	2.88	3.18
1987	2.93	2.97	3.45	2.74	2.34	2.75	2.71	--	--	3.39	2.51	2.97	2.50
Seining (N = 4)													
1977	2.52	2.21	2.71	2.81	2.16	2.89	2.15	--	--	2.55	2.66	2.60	2.50
1978	1.56	2.15	1.47	1.45	2.19	1.39	1.69	--	--	2.49	2.24	1.29	2.33
1979	2.00	1.85	1.80	1.81	1.31	2.42	1.73	--	--	2.81	2.26	1.29	2.33
1981	1.95	2.25	1.82	2.14	0.78	1.73	1.17	--	--	2.72	2.88	1.67	2.61
1982	1.51	1.10	1.63	0.91	0.00	0.72	0.82	--	--	2.39	2.30	0.80	0.81
1983	1.19	1.11	0.76	0.46	0.23	0.95	0.82	--	--	2.26	2.08	0.47	1.55
1984	1.29	1.05	1.11	1.83	0.71	1.07	0.22	--	--	1.99	1.86	0.84	1.32
1985	2.17	2.69	2.80	1.84	2.05	2.42	2.53	--	--	2.19	3.07	1.32	2.99
1986	1.53	2.24	1.26	1.75	0.87	1.44	1.46	--	--	2.49	1.74	2.34	1.74
1987	1.83	2.34	2.62	1.72	1.35	1.67	2.25	--	--	2.24	2.27	1.45	1.52
Combined (N = 8)													
1977	3.53	3.15	3.15	2.81	2.16	2.89	2.15	3.31	2.85	3.35	3.40	3.84	3.07
1978	3.30	3.17	3.40	2.98	3.01	3.20	3.28	--	--	3.40	3.02	3.22	3.36
1979	3.54	3.09	2.78	3.23	2.65	3.47	3.02	--	--	4.06	2.83	3.62	2.72
1981	3.61	3.72	3.56	3.54	3.23	3.48	3.27	--	--	4.15	4.06	3.29	3.58
1982	3.17	2.85	3.37	2.36	2.39	2.56	2.64	--	--	3.53	2.82	3.11	2.79
1983	2.91	2.84	3.17	2.73	2.15	2.56	2.64	--	--	3.53	2.82	3.11	2.79
1984	2.48	3.07	3.09	2.99	2.42	2.16	2.52	--	--	3.12	2.88	2.29	2.86
1985	2.42	2.79	3.21	2.14	2.80	2.32	2.65	--	--	2.62	3.20	1.98	3.04
1986	2.31	2.77	2.15	2.31	2.02	2.24	2.15	--	--	2.88	2.47	2.61	2.46
1987	2.38	2.66	3.04	2.23	1.85	2.21	2.48	--	--	2.81	2.39	2.21	2.01

Table 13. Number and percentage of total catch (in parentheses) by number of anomalies (macroparasites, diseases, malformities, and injuries) associated with fishes collected at each sampling station on the Kankakee River and Horse Creek during August 1987.

Anomaly	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R	Total
<i>Neascus</i> (Trematoda)	11 (3.2)	--	186 (15.4)	22 (9.4)	12 (5.4)	25 (9.8)	19 (4.1)	61 (7.6)	4 (0.9)	9 (3.1)	7 (5.6)	356 (7.5)
Leeches (Hirudinea)	1 (0.3)	2 (0.6)	3 (0.3)	1 (0.4)	--	2 (0.8)	1 (0.2)	2 (0.2)	--	--	1 (0.8)	13 (0.3)
<i>Lernaea</i> (Copepoda)	3 (0.9)	2 (0.6)	2 (0.2)	1 (0.4)	--	3 (1.2)	1 (0.2)	6 (0.8)	2 (0.4)	5 (1.7)	1 (0.8)	26 (0.6)
Lesions	11 (3.2)	3 (0.9)	8 (0.7)	4 (1.7)	4 (1.8)	1 (0.4)	1 (0.2)	3 (0.4)	1 (0.2)	3 (1.0)	1 (0.8)	40 (0.8)
Malformations	--	--	--	1 (0.4)	--	--	--	--	--	--	--	1 (0.2)
Tumors	--	--	--	--	--	1 (0.4)	--	--	--	--	--	1 (0.2)
Injury	--	--	--	1 (0.4)	--	1 (0.4)	--	--	--	--	--	2 (0.4)
<i>Argulus</i> (Copepoda)	11 (3.2)	1 (0.3)	--	1 (0.4)	--	--	--	--	--	--	--	13 (0.3)
Total	37 (10.7)	8 (2.5)	199 (16.5)	31 (13.2)	16 (7.1)	33 (12.9)	22 (4.7)	72 (9.0)	7 (1.5)	17 (5.8)	10 (7.9)	452 (9.55)

Table 14. One-way ANOVA of the $\ln(x)$ abundance of fish captured per unit sampling effort by electrofishing, Kankakee River and Horse Creek, August 1987.

Source	df	ssq	msq	Fs	P
Station	10	8.86646	0.88665	10.23	>0.001***
Velocity	1	0.06561	0.06561	0.76	0.392
Water temperature	1	0.44355	0.44355	5.12	0.032*
Depth	1	0.32745	0.32745	3.78	0.063
Oxygen	1	0.00847	0.00847	0.10	0.757
Turbidity	1	0.18754	0.18754	2.16	0.153
Conductivity	1	1.06780	1.06780	12.31	0.001***
Error	25	2.16772	0.08671		
Total	41	16.06934			

* = statistically significant at 0.05; *** = statistical lysignificant at 0.001

Table 15. Duncan's multiple comparison of means of abundance of fish captured by electrofishing, Kankakee River and Horse Creek, August 1987. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

Station	2	5L	4L	3R	4R	1L	3L	6L	1R	5R	6R

Table 16. One-way ANOVA of the $\ln(x)$ biomass of fish captured per unit sampling effort by electrofishing, Kankakee River and Horse Creek, August 1987.

Source	df	ssq	msq	Fs	P
Station	10	9.16945	0.91695	3.01	0.012*
Velocity	1	0.12993	0.12993	0.43	0.520
Water temperature	1	0.62451	0.62451	2.05	0.164
Depth	1	0.75909	0.75909	2.49	0.127
Oxygen	1	0.02272	0.02272	0.07	0.787
Turbidity	1	0.03098	0.03098	0.10	0.752
Conductivity	1	0.78865	0.78865	2.58	0.120
Error	25	7.62783	0.30511		
Total	41	24.00667			

* = statistically significant at 0.05

Table 17. Duncan's multiple comparison of means of biomass of fish captured by electrofishing, Kankakee River and Horse Creek, August 1987. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

Station	6L	1L	5L	3L	4L	4R	2	1R	3R	6R	5R

Table 18. One-way ANOVA of the $\ln(x)$ biomass of fish captured per unit sampling effort by seining, Kankakee River and Horse Creek, August 1987.

Source	df	ssq	msq	Fs	P
Station	10	22.78838	2.27884	1.91	0.088
Velocity	1	0.90448	0.90448	0.76	0.391
Water temperature	1	0.07312	0.07312	0.06	0.806
Depth	1	0.38873	0.38872	0.33	0.572
Oxygen	1	1.75696	1.79696	1.47	0.235
Turbidity	1	0.04124	0.04124	0.03	0.825
Conductivity	1	1.83149	1.83149	1.54	0.226
Error	27	32.21072	1.19299		
Total	43	63.154728			

Table 19. One-way ANOVA of the $\ln(x)$ abundance of fish captured per unit sampling effort by seining, Kankakee River and Horse Creek, August 1987.

Source	df	ssq	msq	Fs	P
Station	10	17.98604	1.79860	2.44	0.031*
Velocity	1	0.78278	0.78278	0.11	0.746
Water temperature	1	1.21825	1.21825	1.66	0.209
Depth	1	4.84070	4.84070	6.58	0.016*
Oxygen	1	0.00590	0.00590	0.01	0.929
Turbidity	1	0.03817	0.03817	0.05	0.821
Conductivity	1	0.50187	0.50187	0.68	0.416
Error	27	19.87063	0.73595		
Total	43	50.81759			

* = statistically significant at 0.05

Table 20. Duncan's multiple comparison of means of abundance of fish captured by seining, Kankakee River and Horse Creek, August 1987. Means underscored by the same line are not significantly different at $P < 0.05$. $N = 4$.

Station	5L	2	4R	5R	1R	6L	4L	6R	1L	3L	3R

Table 21. Total catch and total biomass(kg)
in the Braidwood Station aquatic monitoring area
during August, 1977-1987.

Year	Total catch	Total biomass
1977	12,993	338.1
1978	3,716	131.5
1979	4,430	173.3
1981	3,271	413.9
1982	1,072	221.9
1983	2,190	219.6
1984	2,926	215.0
1985	9,911	220.4
1986	3,567	206.6
1987	4,734	169.9

Table 22. Percent of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August, 1978-1987.

1978		1979		1981		1982		1983		1984		1985		1986		1987	
Gizzard shad	16.1	Spotfin shiner	23.5	Spotfin shiner	10.2	Smallmouth bass	9.3	Striped shiner	18.0	Spotfin shiner	14.3	Bluntnose minnow	23.8	Bluntnose minnow	20.8	Spotfin shiner	21.9
Bluntnose minnow	15.1	Bluntnose minnow	18.4	Golden redborse	9.8	Golden redborse	7.7	Spotfin shiner	11.6	Bluntnose minnow	9.5	Spotfin shiner	13.5	Bluntnose minnow	13.1	Bluntnose minnow	13.2
Longear sunfish	9.4	Sand shiner	11.1	Bluntnose minnow	7.7	Striped shiner	7.7	Bluntnose minnow	9.8	Bluntnose minnow	8.2	Striped shiner	8.9	Longear sunfish	9.3	Longear sunfish	10.4
Sand shiner	7.3	Smallmouth bass	5.6	Shorthead redborse	6.8	Green sunfish	7.0	Smallmouth bass	8.4	Green sunfish	7.9	Smallmouth bass	6.6	Gizzard shad	7.5	Gizzard shad	6.0
Smallmouth bass	6.5	Rock bass	4.8	Rock bass	6.1	Rosyface shiner	6.5	Sand shiner	7.5	Rosyface shiner	7.7	Golden redborse	6.5	Rock bass	6.3	Bullhead minnow	5.8
Total	69.7	Total	63.4	Total	40.6	Total	38.2	Total	54.7	Total	47.6	Total	59.3	Total	57.0	Total	57.3

Table 23. Percent biomass of total catch of the five dominant species collected from the Kankakee River and Horse Creek during August from 1977 through 1987.

1977		1978	
Carp	33.7	Carp	22.6
Golden redhorse	16.6	Quillback	15.4
Smallmouth bass	14.9	Smallmouth bass	12.9
Shorthead redhorse	9.2	Golden redhorse	9.7
<u>Rock bass</u>	<u>4.7</u>	<u>Silver redhorse</u>	<u>9.1</u>
Total	79.1	Total	69.7
1979		1981	
Golden redhorse	14.9	Shorthead redhorse	21.0
Smallmouth bass	14.9	Golden redhorse	18.3
Carp	14.1	Carp	15.6
Rock bass	9.6	Smallmouth bass	7.9
<u>Quillback</u>	<u>9.3</u>	<u>Rock bass</u>	<u>5.2</u>
Total	62.8	Total	68.0
1982		1983	
Carp	26.9	Quillback	36.0
Silver redhorse	17.6	Carp	16.5
Golden redhorse	11.7	Golden redhorse	11.6
Smallmouth bass	10.0	Smallmouth bass	8.1
<u>Quillback</u>	<u>9.3</u>	<u>Silver redhorse</u>	<u>5.5</u>
Total	75.5	Total	77.7
1984		1985	
Quillback	28.2	Smallmouth bass	25.9
Golden redhorse	18.8	Golden redhorse	16.7
Silver redhorse	13.4	Quillback	13.5
Smallmouth bass	9.6	Carp	9.3
<u>Northern hog sucker</u>	<u>7.6</u>	<u>Rock bass</u>	<u>8.2</u>
Total	77.6	Total	73.6
1986		1987	
Golden redhorse	26.6	Golden redhorse	16.6
Quillback	13.3	Smallmouth bass	15.1
Rock bass	9.9	Gizzard shad	14.1
Smallmouth bass	9.2	Quillback	13.4
<u>Gizzard shad</u>	<u>7.1</u>	<u>Rock bass</u>	<u>9.4</u>
Total	66.1	Total	68.6

Table 24. Mean condition factor, K(TL), of fish species collected from the Kankakee River and Horse Creek during August 1987.

Species	N	K(TL)	SD	Range
Longnose gar	6	0.15	0.018	0.13-0.18
Bowfin	2	1.05	0.018	1.04-1.06
Gizzard shad	283	0.89	0.041	0.13-3.50
Grass pickerel	9	0.54	0.074	0.44-0.69
Northern pike	9	0.56	0.051	0.48-0.64
Carp	13	1.49	0.150	1.26-1.71
Silverjaw minnow	4	0.61	0.080	0.53-0.69
Hornyhead chub	9	0.99	0.250	0.51-1.45
Golden shiner	4	0.78	0.085	0.68-0.88
Creek chub	1	1.01	-	-
Emerald shiner	15	0.52	0.100	0.17-0.61
Striped shiner	80	0.72	0.282	0.20-1.94
Red shiner	1	0.95	-	-
Rosyface shiner	38	0.64	0.106	0.33-0.82
Spotfin shiner	1,038	0.80	0.256	0.08-3.09
Redfin shiner	28	0.75	0.085	0.53-0.87
Mimic shiner	191	0.71	0.081	0.42-0.93
Suckermouth minnow	17	0.82	0.075	0.72-1.00
Bluntnose minnow	624	0.81	0.189	0.55-2.07
Bullhead minnow	274	0.92	0.220	0.17-1.95
Smallmouth buffalo	1	1.08	-	-
Quillback	36	1.26	0.105	1.09-1.47
White sucker	1	0.80	-	-
Northern hogsucker	10	1.05	0.072	0.93-1.47
River redhorse	17	1.12	0.055	1.01-1.20
Golden redhorse	195	1.07	0.135	0.78-1.61
Shorthead redhorse	7	1.03	0.205	0.67-1.28
Yellow bullhead	1	0.97	-	-
Channel catfish	6	1.02	0.200	0.73-1.24
Stonecat	3	1.21	0.636	0.82-1.94
Tadpole madtom	2	1.31	0.340	1.07-1.56
Pirate perch	1	1.51	-	-
Blackstripe topminnow	31	0.82	0.236	0.13-1.52
Brook silverside	60	0.39	0.041	0.29-0.54
Rock bass	224	1.85	0.272	0.97-4.25
Green sunfish	159	1.71	0.280	0.30-2.63
Warmouth	1	1.19	-	-
Orangespotted sunfish	50	1.70	0.573	0.98-4.87
Bluegill	116	1.48	0.583	0.15-5.04
Longear sunfish	493	1.83	0.314	0.46-4.00
Yellow bass	2	1.08	0.095	1.02-1.15
Smallmouth bass	221	1.33	1.230	0.86-14.8
Largemouth bass	66	1.17	0.215	0.87-1.54
White crappie	1	1.14	-	-
Black crappie	5	1.23	0.211	0.98-1.54
Walleye	3	0.83	0.068	0.75-0.88
Logperch	6	0.77	0.073	0.70-0.90
Blackside darter	12	0.72	0.053	0.59-0.79
Johnny darter	88	0.67	0.089	0.51-0.89
Slenderhead darter	1	0.69	-	-
Freshwater drum	1	1.21	-	-

Table 25. Mean condition factor, K(TL) , and 95% confidence limits for smallmouth bass, Kankakee River and Horse Creek, 1978-1987.

Year	N	Mean	95% C.I.
1978	242	1.30	0.97 - 1.63
1979	248	1.26	0.98 - 1.53
1981	190	1.19	0.83 - 1.54
1982	100	1.41	0.60 - 2.22
1983	184	1.38	0.81 - 1.95
1984	225	1.37	1.08 - 1.66
1985	658	1.24	0.87 - 1.61
1986	225	1.16	0.96 - 1.57
1987	221	1.33	

Table 26. Mean condition factor, K(TL), and 95% confidence limits for golden redhorse, Kankakee River and Horse Creek, 1978-1987.

Year	N	Mean	95% C.I.
1978	84	1.12	0.92 - 1.32
1979	177	1.13	0.84 - 1.42
1981	319	1.06	0.79 - 1.33
1982	83	1.57	
1983	67	1.16	0.96 - 1.36
1984	205	1.20	0.89 - 1.51
1985	640	0.99	0.68 - 1.30
1986	333	1.07	0.72 - 1.42
1987	195	1.07	0.80 - 1.34

Table 27. Mean condition factor, K(TL), and 95% confidence limits for rock bass, Kankakee River and Horse Creek, 1978-1987.

Year	N	Mean	95% C.I.
1978	162	2.06	1.65 - 2.47
1979	212	2.16	1.67 - 2.65
1981	199	2.05	1.40 - 2.70
1982	43	2.12	1.35 - 2.87
1983	56	2.10	1.72 - 2.48
1984	67	2.18	1.20 - 3.16
1985	380	1.92	1.02 - 2.82
1986	269	1.89	1.36 - 2.42
1987	224	1.85	1.32 - 2.38

Table 28. Mean condition factor, K(TL), and 95% confidence limits for largemouth bass, Kankakee River and Horse Creek, 1978-1987.

Year	N	Mean	95% C.I.
1978	97	1.30	0.74 - 1.86
1979	18	1.38	0.77 - 1.99
1981	61	1.28	0.60 - 1.96
1982	26	1.12	0.40 - 1.84
1983	35	1.33	0.94 - 1.72
1984	21	1.33	0.64 - 2.02
1985	67	1.28	0.28 - 2.28
1986	26	1.34	
1987	66	1.17	0.73 - 1.61

Table 29. Mean condition factor, K(TL), and 95% confidence limits for spottin shiner, Kankakee River and Horse Creek, 1978-1987.

Year	N	Mean	95% C.I.
1978	137	0.94	0.70 - 1.17
1979	917	0.83	0.63 - 1.03
1981	334	0.84	0.55 - 1.13
1982	41	0.87	0.68 - 1.07
1983	255	0.87	0.60 - 1.14
1984	417	0.85	0.61 - 1.09
1985	1,342	0.69	0.28 - 1.10
1986	166	0.79	0.52 - 1.06
1987	1,038	0.80	0.27 - 1.33

Table 30. Condition factor, K(TL), of smallmouth bass from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Turkey River, Iowa ²	104	100-440	1.27	1.08-1.44
Michigan ²	—	53-483	1.30	1.16-1.41
Des Moines River, Iowa ²	271	76-442	1.45	1.29-1.69
Northeastern Illinois ²	77	114-445	1.50	1.22-1.94
Vermillion River, Illinois ³ (Livingston County)	8 12	127-203 102-292	1.42 1.73	- -
Fox River, Illinois ³ (McHenry County) (Kendall County)	14 9	25-267 114-330	1.39 1.39	- -
Mackinaw River, Illinois ³ (Tazewell County) (Woodford County)	22 23	76-305 63-432	1.50 2.11	- -

¹Cartlander (1969)

²Cartlander (1977)

³Herricks and Himelick (1981)

Table 31. Condition factor, K(TL), of rock bass from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Northeastern Illinois ¹	50	127-254	2.40	1.86-2.49
Minnesota Assessment Standards ²	-	-	< 1.80, Poor condition 2.02-2.38, Average condition > 2.49, Excellent condition	
Mackinaw River, Illinois ² (Tazewell County)	8	102-254	2.15	-

¹Carlander (1977)

²Herricks and Himelick (1981)

Table 32. Condition factor, K(TL), of gizzard shad from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Ohio ¹	-	-	1.11	-
South Dakota Reservoirs ¹	838	127-381	1.02	0.94-1.18
Embarras River, Illinois ² (Lawrence County)	25	-	0.40	-
Mackinaw River, Illinois ² (Tazewell County)	270	140-318	0.90	-
(Woodford County)	100	140-330	0.81	-
Sangamon River, Illinois ² (Piatt County)	23	89-203	1.10	-
(Macon County)	76	64-267	1.29	-
(Champaign County)	30	127-292	1.02	-
Little Wabash River, Illinois ² (Gallatin County)	8	38-292	0.88	-

¹Carlander (1977)

²Herricks and Himelick (1981)

Table 33. Condition factor, K(TL), of golden redbhorse from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Ohio ¹	-	-	1.39	-
Des Moines River, Iowa ¹	-	-	1.02	-
	-	-	1.19	-
Embarras River, Illinois ²				
(Douglas County)	55	152-381	1.40	-
(Lawrence County)	14	191-330	1.20	-
LaMoine River, Illinois ²	4	114-292	1.59	-
(Schuyler County)				
Vermillion River, Illinois ²				
(Livingston County)	26	102-318	1.23	-
	24	114-394	1.32	-
Fox River, Illinois ²	6	254-343	1.46	-
(Lake County)				
Mackinaw River, Illinois ²				
(McLean County)	22	89-330	1.38	-
(Tazewell County)	60	127-478	1.26	-
(Woodford County)	49	114-406	1.35	-
Sangamon River, Illinois ³				
(Piatt County)	20	152-419	1.25	-
	22	127-394	1.46	-
(Macon County)	8	267-394	1.17	-
(Champaign County)	16	76-368	1.29	-
	62	102-381	1.28	-
	39	165-343	1.25	-
Spoon River, Illinois ³				
(Knox County)	23	254-483	1.13	-
	28	279-406	1.11	-
(Stark County)	10	267-356	1.13	-

¹Carlander (1969)

²Herricks and Himelick (1981)

Table 34. Condition factor, K(TL), of longear sunfish from other Midwestern streams.

Location	N	TL range(mm)	Mean K(TL)	Range
Little River, Oklahoma ¹	177	52-160	1.77-2.44	
Embarras River, Illinois ²				
(Douglas County)	64	64-165	2.92	-
(Jasper County)	16	25-76	1.03	-
Mackinaw River, Illinois ²				
(McLean County)	7	51-114	2.71	-
(Tazewell County)	10	89-127	2.15	-
(Woodford County)	54	64-165	2.70	-
Sangamon River, Illinois ²				
(Piatt County)	11	64-152	2.22	-
	13	76-152	2.02	-
	11	38-140	2.35	-
(Champaign County)	11	38-140	1.96	-
	24	64-140	2.50	-
	23	76-140	2.31	-
Little Wabash River, Illinois ²				
(Wayne County)	11	51-114	1.85	-
	11	64-114	2.33	-
(Clay County)	14	64-152	2.72	-

¹Carlander (1977)

²Herricks and Himelick (1981)

Table 35. Two-way ANOVA by year and station, without replication, of mean diversity (combined methods) of fish collected in the Kankakee River and Horse Creek during August, 1977-1987. N = 110.

Source	df	ssq	msq	Fs	P
Year	9	14.49	1.61	17.11	0.0001
Station	10	5.80	0.58	6.17	0.0001
Error	90	8.10	0.09		
Total	109	28.34			

Table 36. SNK for mean diversity, combined methods, by year, 1977-1987. Means in parentheses. N = 11.

	1987 (2.388)	1986 (2.395)	1985 (2.652)	1983 (2.712)	1984 (2.716)	1982 (2.872)	1977 (3.046)	1979 (3.183)	1978 (3.213)	1981 (3.590)
1987	-									
1986	ns	-								
1985	ns	ns	-							
1983	ns	ns	ns	-						
1984	ns	ns	ns	ns	-					
1982	**	**	ns	ns	ns	-				
1977	**	**	**	ns	ns	ns	-			
1979	**	**	**	**	**	ns	ns	-		
1978	**	**	**	**	**	ns	ns	ns	-	
1981	**	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 37. SNK for mean diversity, combined methods, by station, 1977-1987. Means in parentheses. N = 10.

	3R (2.468)	4R (2.633)	4L (2.709)	3L (2.732)	6L (2.818)	6R (2.864)	1L (2.965)	1R (3.011)	5R (3.014)	2 (3.092)	5L (3.336)
3R	-										
4R	ns	-									
4L	ns	ns	-								
3L	ns	ns	ns	-							
6L	ns	ns	ns	ns	-						
6R	**	ns	ns	ns	ns	-					
1L	**	ns	ns	ns	ns	ns	-				
1R	**	ns	ns	ns	ns	ns	ns	-			
5R	**	ns	ns	ns	ns	ns	ns	ns	-		
2	**	**	ns	ns	ns	ns	ns	ns	ns	-	
5L	**	**	**	**	**	**	ns	ns	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 38. Two-way ANOVA by year and station, without replication, of the square root of total abundance of fish collected in the Kankakee River and Horse Creek during August, 1978-1987. N = 99.

Source	df	ssq	msq	Fs	P
Year	8	2342.16	292.77	19.39	0.0001
Station	10	1743.00	174.30	11.54	0.0001
Error	80	1208.00	15.10		
Total	98	5292.98			

Table 39. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by year, 1978-1987. Means in parentheses. N = 11.

	1982 (9.595)	1983 (13.332)	1984 (15.688)	1981 (16.285)	1986 (17.418)	1978 (17.740)	1979 (17.985)	1987 (19.750)	1985 (28.589)
1982	-								
1983	**	-							
1984	**	ns	-						
1981	**	ns	ns	-					
1986	**	ns	ns	ns	-				
1978	**	ns	ns	ns	ns	-			
1979	**	ns	ns	ns	ns	ns	-		
1987	**	**	ns	ns	ns	ns	ns	-	
1985	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05.

Table 40. SNK for total abundance of fish collected in the Kankakee River and Horse Creek by station, 1978-1987. Means in parentheses. N = 9.

	4R (12.916)	3L (13.554)	3R (13.742)	6R (13.936)	4L (14.318)	1R (15.703)	1L (18.396)	6L (18.532)	5R (21.737)	5L (23.050)	2 (25.647)
4R	-										
3L	ns	-									
3R	ns	ns	-								
6R	ns	ns	ns	-							
4L	ns	ns	ns	ns	-						
1R	ns	ns	ns	ns	ns	-					
1L	ns	ns	ns	ns	ns	ns	-				
6L	ns	ns	ns	ns	ns	ns	ns	-			
5R	**	**	**	**	**	**	ns	ns	-		
5L	**	**	**	**	**	**	ns	ns	ns	-	
2	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 41. Two-way ANOVA by year and station, without replication, of ln(x) total biomass of fish collected in the Kankakee River and Horse Creek during August, 1978-1987. N = 99.

Source	df	ssq	msq	Fs	P
Year	8	8.24	1.03	9.77	0.0001
Station	10	21.00	2.10	20.00	0.0001
Error	80	8.80	0.11		
Total	98	37.24			

Table 42. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by year, 1978-1987. Means in parentheses. N = 11.

	1978 (9.283)	1987 (9.465)	1979 (9.472)	1983 (9.747)	1984 (9.750)	1986 (9.754)	1985 (9.762)	1982 (9.777)	1981 (10.369)
1978	-								
1987	ns	-							
1979	ns	ns	-						
1983	**	ns	ns	-					
1984	**	ns	ns	ns	-				
1986	**	ns	ns	ns	ns	-			
1985	**	ns	ns	ns	ns	ns	-		
1982	**	ns	ns	ns	ns	ns	ns	-	
1981	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 43. SNK for total biomass of fish collected in the Kankakee River and Horse Creek by station, 1978-1987. Means in parentheses. N = 19.

	4R (8.987)	3R (9.298)	6R (9.356)	4L (9.392)	3L (9.404)	5R (9.610)	1R (9.784)	5L (9.952)	2 (10.131)	6L (10.426)	1L (10.457)
4R	-										
3R	ns	-									
6R	ns	ns	-								
4L	ns	ns	ns	-							
3L	ns	ns	ns	ns	-						
5R	**	ns	ns	ns	ns	-					
1R	**	**	**	**	**	ns	-				
5L	**	**	**	**	**	ns	ns	-			
2	**	**	**	**	**	**	**	ns	-		
6L	**	**	**	**	**	**	**	**	ns	-	
1L	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 44. Total catch of smallmouth bass from designated stations on the Kankakee River in the Braidwood Station aquatic monitoring area, 1978-1987.

1978	1979	1981	1982	1983	1984	1985	1986	1987
242	249	176	100	185	225	658	225	221

Table 45. Two-way ANOVA by year and station, without replication, of the square root of total abundance of smallmouth bass collected in the Kankakee River and Horse Creek during August 1978-1987. N = 99.

Source	df	ssq	msq	Fs	P
Year	8	146.18553	18.27319	20.87212	0.0001
Station	10	218.82735	21.88273	24.99504	0.0001
Error	80	70.03866	0.87548		
Total	98	435.05154			

Table 46. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by year, 1978-1987. Means in parentheses. N = 11.

	1982 (2.719)	1981 (3.564)	1983 (3.763)	1987 (4.208)	1978 (4.216)	1984 (4.285)	1979 (4.300)	1986 (14.311)	1985 (7.454)
1982	-								
1981	**	-							
1983	**	ns	-						
1987	**	ns	ns	-					
1978	**	ns	ns	ns	-				
1984	**	ns	ns	ns	ns	-			
1979	**	ns	ns	ns	ns	ns	-		
1986	**	ns	ns	ns	ns	ns	ns	-	
1985	**	**	**	**	**	**	**	**	-

ns = not statistically significant; ** = statistically significant at 0.05

Table 47. SNK for mean abundance of smallmouth bass collected in the Kankakee River and Horse Creek by station, 1978-1987. Means in parentheses. N = 9.

	3R (2.913)	6R (3.068)	5R (3.093)	1R (3.141)	4R (3.293)	4L (3.712)	5L (4.135)	3L (4.167)	2 (6.332)	6L (6.607)	1L (6.986)
3R	-										
6R	ns	-									
5R	ns	ns	-								
1R	ns	ns	ns	-							
4R	ns	ns	ns	ns	-						
4L	ns	ns	ns	ns	ns	-					
5L	ns	ns	ns	ns	ns	ns	-				
3L	ns	ns	ns	ns	ns	ns	ns	-			
2	**	**	**	**	**	**	**	**	-		
6L	**	**	**	**	**	**	**	**	ns	-	
1L	**	**	**	**	**	**	**	**	ns	ns	-

ns = not statistically significant; ** = statistically significant at 0.05

Appendix A-1. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 4 August 1987. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 2740 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R									
Time	0756	0752	1250	1535	1530	1600	1543	1726	1718	1848	1832									
Air temperature	25.8	26.0	30.5	29.0	29.0	29.0	29.0	28.0	28.0	27.0	26.5									
Water velocity	7	19	0	22	2	8	9	2	6	8	9									
pH	7.5	8.2	8.0	7.3	7.5	7.2	7.2	7.1	7.5	7.0	7.2									
Turbidity	22.0	13.8	9.3	-	-	9.1	12.4	22.0	12.3	12.7	14.1									
Conductivity	690	690	540	690	650	690	790	650	700	650	790									
Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.									
0	29.0	4.5	29.0	4.9	25.9	6.2	28.2	5.0	29.0	5.6	28.2	5.0	28.5	5.7	28.0	4.7	28.5	5.1		
0.5	29.0	4.2	29.0	4.8	25.5	6.1	28.2	5.0	29.0	5.6	28.5	4.9	28.7	5.8	28.0	4.5	28.0	4.5	28.0	5.1
1.0			29.0	4.6			28.2	4.8	28.8	5.2	28.5	4.6	28.9	6.0			28.5	5.5	28.0	4.9
1.5			28.5	4.5							28.5	5.6					28.5	5.6	28.0	4.8
2.0											28.0	5.3					28.0	5.3		

Appendix A-2. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 7 August 1987. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 1990 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0809	0753	1635	0932	0917	1041	1030	1342	1326	1421	1402
Air temperature	27.5	24.0	32.0	31.0	34.5	34.0	34.0	35.0	34.0	33.0	33.0
Water velocity	5	8	0	4	1	8	8	0	11	7	4
pH	7.7	7.7	7.5	7.1	7.2	7.6	7.7	7.4	7.2	7.4	7.4
Turbidity	14.2	22.0	9.2	13.1	14.7	14.6	19.0	22.0	14.2	10.6	9.5
Conductivity	625	610	675	600	610	610	850	700	740	640	630

Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.											
0	26.5	6.5	23.0	5.7	28.0	7.9	27.0	6.3	27.5	6.4	27.0	6.0	27.5	6.5	30.0	6.2	28.0	7.1	28.0	6.2	29.0	6.3
0.5	26.5	5.9	26.5	5.5	28.0	7.3	26.5	6.1	27.5	6.2	26.9	5.8	27.0	7.2	30.0	6.2	28.0	6.9	27.5	5.6	28.5	6.1
1.0			26.5	5.4	26.0	6.1			27.0	6.3			27.0	6.2			27.5	6.4			27.0	5.7
1.5			26.5	5.3					27.0	6.1							27.5	6.5				
2.0			26.5	5.1													27.0	6.5				

Appendix A-3. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 10 August 1987. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 1830 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0903	0850	1746	0946	0928	1040	1010	1306	1240	1510	1500
Air temperature	24.0	23.0	28.5	27.0	27.0	27.0	27.0	32.0	30.0	33.0	31.5
Water velocity	8	13	1	10	1	2	8	3	6	6	10
pH	7.2	7.3	7.1	7.2	7.0	7.1	7.2	7.2	7.8	7.2	7.2
Turbidity	13.3	12.2	11.8	17.3	12.3	14.2	16.3	18.2	8.1	10.0	10.2
Conductivity	590	600	675	580	550	580	740	610	700	610	620

Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.												
0	24.8	4.9	24.5	5.2	26.5	8.0	25.0	4.7	25.0	5.2	25.0	4.7	25.5	6.0	28.5	5.3	27.0	6.4	28.0	5.4	27.5	6.1	
0.5	24.8	4.9	24.8	5.1	26.5	7.8	25.0	4.7	25.0	5.2	25.0	4.7	25.5	5.9	26.0	6.5	26.0	6.5	26.5	5.0	27.0	5.7	
1.0	24.9	4.7	24.8	5.0	24.5	4.6	24.5	5.0	24.5	4.6	24.5	4.7	25.5	5.9	25.5	6.1	25.5	6.1	25.5	5.0	26.0	5.0	
1.5			24.8	4.9			24.5	4.6			25.0	5.8			25.5	6.0					25.5	6.0	
2.0																							

Appendix A-4. Ancillary measurements taken concurrently with electrofishing samples from the Kankakee River and Horse Creek, 13 August 1987. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 1590 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R
Time	0745	0753	1340	0902	0843	0940	0927	1116	1058	1234	1216
Air temperature	22.0	22.0	30.0	26.0	26.0	26.0	26.0	31.0	30.0	32.0	32.0
Water velocity	3	5	0	8	0	6	7	2	7	5	6
pH	7.5	7.4	7.8	7.5	7.2	7.4	7.4	7.6	7.3	7.6	7.5
Turbidity	15.8	25.0	9.1	6.0	8.1	10.0	7.0	12.6	8.5	10.3	9.8
Conductivity	650	650	650	650	620	650	750	650	680	650	650

Depth	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.	Temp.	D.O.
0	26.5	6.9	26.5	7.0	27.0	7.0	26.5	6.6	26.0	6.6	26.5	6.9
0.5	26.5	6.8	26.5	7.0	25.5	6.8	26.5	6.6	26.0	6.5	26.5	6.9
1.0			26.5	5.9	24.2	6.2	26.5	6.6	26.0	6.3	26.0	6.8
1.5									26.0	6.9	26.0	6.9
2.0									27.0	6.8	27.0	6.8

Appendix B-2. Ancillary measurements taken concurrently with seine samples from the Kankakee River and Horse Creek, 11 August 1987. Air temperature is measured in °C; water velocity in cm/sec; turbidity in N.T.U.; conductivity in µmhos/cm; depth in m; and dissolved oxygen in ppm. Discharge was 2630 cfs.

Parameter	1L	1R	2	3L	3R	4L	4R	5L	5R	6L	6R											
Time	1220	1158	1750	1350	1330	1445	1420	1555	1500	1715	1645											
Air temperature	27.0	26.5	28.0	32.0	29.0	28.5	27.0	29.5	29.0	28.5	29.0											
Water velocity	4	5	0	2	4	3	0	0	0	2	4											
pH	7.7	7.2	7.4	7.6	7.4	7.7	7.1	7.2	7.5	7.1	7.5											
Turbidity	16.7	16.0	6.3	9.2	11.4	11.3	28.0	36.0	12.9	12.5	10.8											
Conductivity	650	600	610	630	600	630	780	660	730	630	630											
Depth	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.	Temp. D.O.											
0	28.0	7.1	25.9	5.1	25.8	7.7	29.0	8.3	27.2	6.9	28.5	7.7	26.2	7.3	29.5	6.0	28.0	6.9	29.0	6.6	26.8	6.2
0.5	27.5	7.1	26.0	5.0	25.8	7.6	28.6	7.4	27.2	6.7	28.6	6.2	26.5	6.8	29.0	5.9	27.8	6.8	27.2	6.4	26.6	6.0
1.0						27.2	5.9				27.2	5.9					27.2	6.4			26.5	5.7
1.5																	27.0	5.3				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987.

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
1L	A	08 04 87	GIZZARD SHAD	1	197	66.00	0.86	
				2	340	318.00	0.81	
				3	221	124.00	1.15	
				4	210	97.00	1.05	
				5	255	155.00	0.93	
				6	139	25.00	0.93	
				CARP	1	462	1280.00	1.30
					1	82	4.16	0.75
				SPOTFIN SHINER	2	53	1.40	0.94
					3	52	1.22	0.87
					4	51	1.20	0.90
					5	50	1.05	0.84
					6	45	0.78	0.86
					7	46	0.75	0.77
8	50	0.95	0.76					
MIMIC SHINER	1	59	1.64	0.80				
BLUNTNOSE MINNOW	2	48	0.85	0.77				
	1	56	1.59	0.91				
BULLHEAD MINNOW	2	50	1.10	0.88				
	1	48	1.04	0.94				
QUILLBACK	1	369	675.00	1.34				
RIVER REDHORSE	2	345	470.00	1.14				
	3	385	700.00	1.23				
	1	236	133.00	1.01				
GOLDEN REDHORSE	2	230	136.00	1.12				
	1	236	134.00	1.02				
ROCK BASS	2	169	47.00	0.97				
	3	270	210.00	1.07				
	4	240	143.00	1.03				
	5	235	128.00	0.99				
	6	140	26.00	0.95				
	7	150	40.00	1.19				
	8	144	28.00	0.94				
	9	156	36.00	0.95				
	10	232	124.00	0.99				
	11	388	610.00	1.04				
	12	121	18.00	1.02				
	13	147	33.00	1.04				
	14	139	26.00	0.97				
	15	138	26.00	0.99				
BLUEGILL	1	156	70.00	1.84				
	2	190	119.00	1.73				
	3	185	116.00	1.83				
	4	136	43.00	1.71				
	5	106	24.00	2.02				
LONGEAR SUNFISH	1	99	15.00	1.55				
	1	128	41.00	1.96				
	2	95	16.00	1.87				
	3	101	23.00	2.23				
	4	111	26.00	1.90				
	5	75	9.00	2.13				
	6	133	48.00	2.04				
	7	105	26.00	2.25				
	8	101	21.00	2.04				
	9	99	19.00	1.96				
	10	75	6.76	1.60				
	11	63	3.84	1.54				
	12	56	2.86	1.63				
	SMALLMOUTH BASS	1	255	192.00	1.16			
2		320	384.00	1.17				
3		315	368.00	1.18				
4		221	130.00	1.20				
5		192	72.00	1.02				
6		185	63.00	1.00				
7		75	4.00	0.95				
8		185	71.00	1.12				
9		145	27.00	0.89				
10		255	185.00	1.12				
11		185	66.00	1.04				
12		215	110.00	1.11				
13		241	159.00	1.14				
14		300	384.00	1.42				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
1L	A	08 04 87	SMALLMOUTH BASS	15	233	150.00	1.19			
				16	192	81.00	1.14			
				17	170	52.00	1.06			
				18	180	68.00	1.17			
				19	277	265.00	1.25			
				20	270	229.00	1.16			
				21	330	460.00	1.28			
				22	258	200.00	1.16			
				23	175	63.00	1.18			
				24	79	6.00	1.22			
				B	08 07 87	LARGEMOUTH BASS	1	80	5.30	1.04
							GIZZARD SHAD	1	220	110.00
		2	240			132.00	0.95			
		3	230			135.00	1.11			
		4	219			110.00	1.05			
		5	115			25.00	1.64			
		6	275			205.00	0.99			
		7	131			64.00	2.85			
		8	120			17.00	0.98			
		1	328			560.00	1.59			
		1	48			0.75	0.68			
		1	71			3.42	0.96			
		2	54	1.29	0.82					
		3	50	1.21	0.97					
	4	47	0.87	0.84						
	5	48	0.88	0.80						
	6	45	0.79	0.87						
	7	45	0.69	0.76						
	8	45	0.68	0.75						
	1	43	0.51	0.64						
	1	64	3.04	1.16						
	2	61	2.14	0.94						
	1	370	630.00	1.24						
	1	146	32.00	1.03						
	2	235	134.00	1.03						
	3	133	26.00	1.11						
	4	150	35.00	1.04						
	5	132	24.00	1.04						
	6	146	30.00	0.96						
	7	142	38.00	1.33						
	8	132	30.00	1.30						
	9	139	21.00	0.78						
	1	206	190.00	2.17						
	2	193	144.00	2.00						
	3	137	44.00	1.71						
	4	160	80.00	1.95						
	5	189	147.00	2.18						
	6	180	131.00	2.25						
	7	135	40.00	1.63						
	8	166	90.00	1.97						
	1	43	1.36	1.71						
	1	110	25.00	1.88						
	2	90	12.00	1.65						
	3	96	18.00	2.03						
	4	122	29.00	1.60						
	5	56	2.76	1.57						
	1	239	150.00	1.10						
	2	221	120.00	1.11						
	3	228	122.00	1.03						
	4	236	165.00	1.26						
	5	262	215.00	1.20						
	6	243	200.00	1.39						
	7	175	67.00	1.25						
	8	194	79.00	1.08						
	9	179	75.00	1.31						
	10	170	55.00	1.12						
C	08 10 87	LOGPERCH	1	75	3.06	0.73				
			GIZZARD SHAD	1	231	135.00	1.10			
		SPOTFIN SHINER	1	60	2.22	1.03				
			2	51	1.21	0.91				
			3	50	1.00	0.80				
			4	57	1.49	0.80				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
1L	C	08 10 87	SPOTFIN SHINER	5	54	1.30	0.83				
				6	50	1.13	0.90				
				7	51	1.21	0.91				
				8	54	1.57	1.00				
				9	47	0.95	0.92				
				10	49	0.87	0.74				
				11	48	0.94	0.85				
				12	63	2.30	0.92				
				13	53	1.22	0.82				
				14	58	1.90	0.97				
				15	52	1.07	0.76				
				16	57	1.76	0.95				
				17	51	1.10	0.83				
				18	49	0.86	0.73				
				19	51	1.00	0.75				
				20	48	0.88	0.80				
				21	53	1.17	0.79				
				22	49	0.89	0.76				
				23	50	0.90	0.72				
				24	44	0.69	0.81				
				25	44	0.65	0.76				
							BLUNTNOSE MINNOW	1	63	2.15	0.86
								2	63	2.27	0.91
								3	60	1.90	0.88
								4	53	1.14	0.77
							5	49	0.96	0.82	
						QUILLBACK	1	334	430.00	1.15	
						NORTHERN HOGSUCKER	1	320	370.00	1.13	
						RIVER REDHORSE	1	239	153.00	1.12	
						GOLDEN REDHORSE	1	220	112.00	1.05	
							2	210	103.00	1.11	
							3	379	570.00	1.05	
							4	423	760.00	1.00	
							5	349	450.00	1.06	
							6	230	125.00	1.03	
				7	130	22.00	1.00				
				8	147	32.00	1.01				
				9	385	660.00	1.16				
				10	246	180.00	1.21				
				11	152	40.00	1.14				
			SHORTHEAD REDHORSE	1	371	630.00	1.23				
				2	374	490.00	0.94				
			STONECAT	1	95	7.36	0.86				
			ROCK BASS	1	195	147.00	1.98				
				2	150	56.00	1.66				
				3	73	7.77	2.00				
				4	21	0.12	1.30				
			LONGEAR SUNFISH	1	105	23.00	1.99				
				2	96	17.00	1.92				
				3	67	5.19	1.73				
				4	57	3.03	1.64				
			SMALLMOUTH BASS	1	144	162.00	5.43				
				2	146	31.00	1.00				
				3	235	150.00	1.16				
				4	170	54.00	1.10				
				5	212	119.00	1.25				
				6	172	60.00	1.18				
				7	253	187.00	1.15				
				8	172	57.00	1.12				
				9	100	89.00	8.90				
				1	269	210.00	1.08				
				2	231	118.00	0.96				
				3	115	17.00	1.12				
			ROSYFACE SHINER	1	63	1.89	0.76				
			SPOTFIN SHINER	1	55	1.61	0.97				
				2	64	2.58	0.98				
				3	54	1.36	0.86				
				4	49	0.93	0.79				
				5	59	1.54	0.75				
				6	64	2.97	1.13				
				7	59	1.80	0.88				
				8	54	1.53	0.97				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
1L	D	08 13 87	SPOTFIN SHINER	9	51	1.18	0.89	
				10	56	1.80	1.02	
				11	52	1.41	1.00	
				12	49	1.00	0.85	
				13	49	1.01	0.86	
				14	56	1.66	0.95	
				15	49	1.24	1.05	
				16	50	1.22	0.98	
				17	50	1.25	1.00	
				18	48	0.84	0.76	
				19	44	0.69	0.81	
				20	46	0.67	0.69	
				21	45	0.77	0.84	
				22	44	0.71	0.83	
					1	49	0.91	0.77
					1	351	500.00	1.16
					2	240	195.00	1.41
					3	234	170.00	1.33
					4	240	180.00	1.30
					5	155	40.00	1.07
					6	135	24.00	0.98
					7	150	34.00	1.01
	8	149	34.00	1.03				
	9	145	31.00	1.02				
	10	218	106.00	1.02				
	11	143	31.00	1.06				
	12	144	29.00	0.97				
	13	130	23.00	1.05				
	14	73	3.53	0.91				
	15	70	3.19	0.93				
	1	391	630.00	1.05				
	2	361	600.00	1.28				
	1	188	146.00	2.20				
	2	181	140.00	2.36				
	3	162	99.00	2.33				
	4	122	36.00	1.98				
	5	100	19.00	1.90				
	6	186	124.00	1.93				
	7	181	131.00	2.21				
	8	140	46.00	1.68				
	9	140	45.00	1.64				
	10	107	18.00	1.47				
	1	47	1.72	1.66				
	2	44	1.51	1.77				
	1	100	18.00	1.80				
	2	99	20.00	2.06				
	3	67	5.31	1.77				
	4	64	4.57	1.74				
	5	67	5.11	1.70				
	6	60	3.63	1.68				
	1	325	560.00	1.63				
	2	296	335.00	1.29				
	3	250	210.00	1.34				
	4	187	87.00	1.33				
	5	260	230.00	1.31				
	6	182	81.00	1.34				
	7	84	6.93	1.17				
1R	A	08 04 87	GIZZARD SHAD	1	125	25.00	1.28	
				2	113	13.00	0.90	
				1	145	16.00	0.52	
				1	120	25.00	1.45	
				1	112	11.00	0.78	
				1	60	1.42	0.66	
				1	52	1.41	1.00	
				2	53	1.41	0.95	
				3	49	1.04	0.88	
				4	47	0.97	0.93	
				5	44	0.89	1.04	
				6	45	0.85	0.93	
				1	47	0.75	0.72	
				2	44	0.64	0.75	
				1	46	0.88	0.90	
				1	145	16.00	0.52	
				1	120	25.00	1.45	
	1	112	11.00	0.78				
	1	60	1.42	0.66				
	1	52	1.41	1.00				
	2	53	1.41	0.95				
	3	49	1.04	0.88				
	4	47	0.97	0.93				
	5	44	0.89	1.04				
	6	45	0.85	0.93				
	1	47	0.75	0.72				
	2	44	0.64	0.75				
	1	46	0.88	0.90				
			GRASS PICKEREL					
			HORNHEAD CHUB					
			STRIPED SHINER					
			ROSYFACE SHINER					
			SPOTFIN SHINER					
			SAND SHINER					
			SUCKERMOUTH MINNOW					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
1R	A	08 04 87	BLUNTNOSE MINNOW	1	49	1.12	0.95			
			GOLDEN REDHORSE	1	220	117.00	1.10			
				2	131	25.00	1.11			
			ROCK BASS	1	170	93.00	1.89			
				2	116	31.00	1.99			
				3	127	40.00	1.95			
				4	136	41.00	1.63			
				5	112	25.00	1.78			
				6	125	38.00	1.95			
				7	135	46.00	1.87			
				8	115	26.00	1.71			
				1	125	30.00	1.54			
				2	60	3.53	1.63			
				1	145	52.00	1.71			
				2	94	19.00	2.29			
				3	169	7.00	0.15			
				4	72	9.00	2.41			
				5	68	9.00	2.86			
				6	79	12.00	2.43			
				7	82	16.00	2.90			
				1	105	25.00	2.16			
				2	128	46.00	2.19			
				3	102	28.00	2.64			
				4	125	38.00	1.95			
				5	107	23.00	1.88			
				6	73	5.00	1.29			
				7	104	19.00	1.69			
				8	80	9.00	1.76			
				9	83	17.00	2.97			
				10	82	10.68	1.94			
				11	75	7.43	1.76			
				12	67	5.19	1.73			
				13	59	3.13	1.52			
				14	57	2.80	1.51			
				15	59	3.65	1.78			
				16	61	3.95	1.74			
				17	53	2.85	1.91			
				18	61	4.12	1.82			
				19	50	2.24	1.79			
				20	57	3.08	1.66			
				21	56	3.07	1.75			
				22	55	2.85	1.71			
				23	57	3.12	1.68			
				24	53	2.48	1.67			
						SMALLMOUTH BASS	1	175	62.00	1.16
							2	166	51.00	1.11
							3	357	670.00	1.47
							4	180	62.00	1.06
B	08 07 87	GIZZARD SHAD	1	77	4.23	0.93				
			2	68	3.07	0.98				
			3	220	111.00	1.04				
			1	55	1.67	1.00				
			1	76	4.65	1.06				
			2	55	1.65	0.99				
			3	67	1.92	0.64				
			4	59	1.59	0.77				
			5	56	1.61	0.92				
			6	58	1.61	0.83				
			7	51	1.30	0.98				
			8	45	0.80	0.88				
			9	45	0.74	0.81				
			10	38	0.46	0.84				
			1	46	0.86	0.88				
			1	60	2.11	0.98				
			2	52	1.32	0.94				
			3	49	1.01	0.86				
			1	58	1.77	0.91				
			1	232	127.00	1.02				
			2	146	27.00	0.87				
			1	180	114.00	1.95				
			2	108	20.00	1.59				
			3	134	36.00	1.50				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	B	08 07 87	GREEN SUNFISH	1	40	1.14	1.78
			BLUEGILL	1	76	9.00	2.05
				2	88	11.00	1.61
			LONGEAR SUNFISH	1	128	41.00	1.96
				2	106	21.00	1.76
				3	92	17.00	2.18
				4	96	15.00	1.70
				5	100	19.00	1.90
				6	101	20.00	1.94
				7	91	12.00	1.59
				8	77	8.55	1.87
				9	60	4.37	2.02
				10	61	4.01	1.77
				11	57	3.58	1.93
				12	64	4.40	1.68
				13	62	3.93	1.65
				14	57	2.96	1.60
				15	50	2.01	1.61
				16	46	1.69	1.74
	17	58	3.44	1.76			
	18	57	3.13	1.69			
	19	48	1.79	1.62			
			SMALLMOUTH BASS	1	201	83.00	1.02
				2	76	5.44	1.24
			BLACKSIDE DARTER	1	55	1.23	0.74
C	08 10 87	GIZZARD SHAD	1	105	10.00	0.86	
			2	79	4.00	0.81	
		CARP	1	631	3175.00	1.26	
		SPOTFIN SHINER	1	54	1.30	0.83	
			2	53	1.14	0.77	
		MIMIC SHINER	1	48	0.76	0.69	
		BLUNTNOSE MINNOW	1	65	2.77	1.01	
			2	49	1.05	0.89	
		BULLHEAD MINNOW	1	56	1.76	1.00	
		GOLDEN REDHORSE	1	238	150.00	1.11	
			2	357	540.00	1.19	
			3	143	30.00	1.03	
			4	282	230.00	1.03	
		CHANNEL CATFISH	1	410	820.00	1.19	
			2	385	710.00	1.24	
		WARMOUTH	1	90	16.00	2.19	
		LONGEAR SUNFISH	1	126	39.00	1.95	
			2	111	25.00	1.83	
			3	90	14.00	1.92	
			4	72	8.00	2.14	
			5	81	11.00	2.07	
			6	98	20.00	2.12	
			7	110	22.00	1.65	
			8	71	6.90	1.93	
			9	63	4.29	1.72	
			10	62	4.16	1.75	
			11	58	2.88	1.48	
			SMALLMOUTH BASS	1	190	79.00	1.15
				2	69	3.46	1.05
D	08 13 87	GIZZARD SHAD	1	121	18.00	1.02	
			2	107	11.00	0.90	
			3	136	30.00	1.19	
			4	95	8.00	0.93	
		SPOTFIN SHINER	1	51	0.80	0.60	
			2	43	0.57	0.72	
		BLUNTNOSE MINNOW	1	53	1.09	0.73	
			2	54	1.12	0.71	
		BULLHEAD MINNOW	1	61	1.44	0.63	
		QUILLBACK	1	410	880.00	1.28	
			2	355	535.00	1.20	
		GOLDEN REDHORSE	1	406	720.00	1.08	
			2	428	940.00	1.20	
			3	300	325.00	1.20	
			4	132	24.00	1.04	
			5	111	20.00	1.46	
			6	302	340.00	1.23	
	7	250	170.00	1.09			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
1R	D	08 13 87	GOLDEN REDHORSE	8	254	146.00	0.89	
				1	67	2.60	0.86	
				1	153	79.00	2.21	
			BLACKSTRIPE TOPMINNOW	2	135	44.00	1.79	
				3	131	42.00	1.87	
				1	82	10.05	1.82	
			BLUEGILL	1	90	17.00	2.33	
				2	100	21.00	2.10	
			LONGEAR SUNFISH	3	94	19.00	2.29	
				4	92	16.00	2.05	
				5	85	12.32	2.01	
				6	60	3.62	1.68	
				7	61	3.76	1.66	
				2	A	08 05 87	SMALLMOUTH BASS	1
1	270	192.00						0.98
GIZZARD SHAD	2	364	422.00				0.88	
	3	331	383.00				1.06	
	4	295	220.00				0.86	
	5	255	192.00				1.16	
	6	273	154.00				0.76	
	7	281	200.00				0.90	
	8	277	208.00				0.98	
	9	281	214.00				0.96	
	10	277	232.00				1.09	
	11	268	183.00				0.95	
	GRASS PICKEREL	1	166				20.00	0.44
2		166	22.00				0.48	
3		80	2.55	0.50				
NORTHERN PIKE	1	405	365.00	0.55				
	2	560	845.00	0.48				
CARP	1	545	2198.00	1.36				
STRIPED SHINER	1	64	2.74	1.05				
	2	45	0.63	0.69				
SPOTFIN SHINER	1	50	1.00	0.80				
	2	45	0.76	0.83				
	3	45	0.66	0.72				
	4	69	3.58	1.09				
	5	64	2.02	0.77				
	6	54	1.41	0.90				
	7	64	2.75	1.05				
	8	49	0.88	0.75				
	9	50	0.93	0.74				
	10	48	0.96	0.87				
	11	47	0.81	0.78				
	12	59	1.60	0.78				
	13	51	1.31	0.99				
	14	46	0.70	0.72				
	15	51	1.22	0.92				
	16	54	1.66	1.05				
	17	50	1.16	0.93				
	18	46	0.81	0.83				
	19	50	0.98	0.78				
20	47	0.79	0.76					
21	46	0.76	0.78					
22	48	0.90	0.81					
23	47	1.03	0.99					
24	43	0.67	0.84					
25	48	0.95	0.86					
26	48	1.03	0.93					
27	43	0.70	0.88					
28	50	1.05	0.84					
29	44	0.74	0.87					
30	45	0.64	0.70					
31	40	0.48	0.75					
32	48	0.91	0.82					
33	43	0.74	0.93					
34	44	0.82	0.96					
35	44	0.65	0.76					
36	45	0.81	0.89					
37	47	0.81	0.78					
38	40	0.47	0.73					
39	46	0.81	0.83					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 87	SPOTFIN SHINER	40	44	0.66	0.77
				41	49	1.11	0.94
				42	52	1.07	0.76
				43	46	0.80	0.82
				44	47	0.65	0.63
				45	41	0.47	0.68
				46	45	0.59	0.65
				47	34	0.24	0.61
				48	44	0.58	0.68
				49	46	0.83	0.85
				50	43	0.67	0.84
				51	37	0.35	0.69
				52	46	0.87	0.89
				53	40	0.42	0.66
				54	46	0.83	0.85
				55	44	0.61	0.72
				56	40	0.38	0.59
				57	30	0.14	0.52
			SAND SHINER	1	46	0.67	0.69
				2	40	0.34	0.53
				3	49	0.78	0.66
				4	42	0.52	0.70
				5	45	0.60	0.66
				6	45	0.74	0.81
				7	45	0.64	0.70
				8	43	0.51	0.64
				9	47	0.83	0.80
				10	47	0.62	0.60
				11	46	0.72	0.74
				12	48	0.69	0.62
				13	42	0.41	0.55
				14	42	0.52	0.70
				15	44	0.73	0.86
				16	43	0.51	0.64
				17	41	0.38	0.55
			REDFIN SHINER	1	50	0.86	0.69
				2	45	0.60	0.66
				3	44	0.60	0.70
				4	40	0.34	0.53
				5	37	0.32	0.63
			MIMIC SHINER	1	46	0.75	0.77
				2	48	0.89	0.80
				3	49	0.88	0.75
				4	52	1.10	0.78
				5	47	0.66	0.64
				6	47	0.65	0.63
				7	43	0.54	0.68
				8	45	0.66	0.72
				9	48	0.75	0.68
				10	48	0.83	0.75
				11	47	0.69	0.66
				12	44	0.65	0.76
				13	47	0.79	0.76
				14	42	0.49	0.66
				15	48	0.90	0.81
				16	46	0.70	0.72
				17	46	0.65	0.67
				18	46	0.64	0.66
				19	44	0.60	0.70
				20	43	0.54	0.68
				21	46	0.81	0.83
				22	43	0.62	0.78
				23	47	0.69	0.66
				24	43	0.63	0.79
				25	48	0.81	0.73
				26	46	0.72	0.74
				27	49	0.87	0.74
				28	46	0.82	0.84
				29	49	0.82	0.70
				30	47	0.74	0.71
			BLUNTNOSE MINNOW	1	73	3.68	0.95
				2	71	3.68	1.03

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 87	BLUNTNOSE MINNOW	3	58	1.36	0.70
				4	63	1.75	0.70
				5	72	3.86	1.03
				6	65	2.38	0.87
				7	68	2.51	0.80
				8	57	1.39	0.75
				9	52	1.25	0.89
				10	56	1.55	0.88
				11	55	1.20	0.72
				12	55	1.34	0.81
				13	51	0.98	0.74
				14	55	1.25	0.75
				15	61	1.70	0.75
				16	52	1.20	0.85
				17	53	1.11	0.75
				18	51	0.90	0.68
				19	57	1.77	0.96
				20	58	1.54	0.79
				21	51	1.14	0.86
				22	55	1.32	0.79
				23	53	1.14	0.77
				24	55	1.24	0.75
				25	51	0.96	0.72
				26	52	1.07	0.76
				27	50	0.93	0.74
				28	53	1.02	0.69
				29	52	1.01	0.72
				30	53	1.33	0.89
				31	46	0.60	0.62
				32	49	0.92	0.78
				33	53	1.19	0.80
				34	46	0.75	0.77
				35	48	0.78	0.71
				36	54	1.33	0.84
				37	49	0.85	0.72
				38	48	0.76	0.69
				39	50	1.04	0.83
				40	50	0.90	0.72
				41	50	0.96	0.77
				42	51	1.14	0.86
				43	46	0.81	0.83
				44	47	0.94	0.91
				45	51	1.09	0.82
				46	47	0.88	0.85
				47	51	1.14	0.86
				48	53	1.23	0.83
				49	52	1.17	0.83
				50	48	0.97	0.88
				51	49	0.95	0.81
				52	50	1.13	0.90
				53	48	0.92	0.83
				54	49	0.92	0.78
				55	47	0.91	0.88
				56	42	0.59	0.80
				57	50	0.87	0.70
				58	48	0.86	0.78
				59	50	1.02	0.82
				60	50	0.98	0.78
				61	43	0.57	0.72
				62	29	0.20	0.82
			GOLDEN REDHORSE	1	241	172.00	1.23
				1	58	1.70	0.87
				2	54	1.29	0.82
			YELLOW BULLHEAD	1	180	57.00	0.98
			ROCK BASS	1	123	18.00	0.97
				2	165	73.00	1.63
				3	154	54.00	1.48
				4	131	37.00	1.65
				5	177	105.00	1.89
				6	128	41.00	1.96
				7	118	27.00	1.64
				8	109	20.00	1.54

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 87	ROCK BASS	9	73	6.02	1.55
				1	100	17.00	1.70
			GREEN SUNFISH	2	171	81.00	1.62
				3	104	16.00	1.42
				4	101	18.00	1.75
				5	107	21.61	1.76
				6	84	9.67	1.63
				7	84	10.95	1.85
				8	89	11.07	1.57
				9	80	8.64	1.69
				10	80	9.29	1.81
				11	70	5.53	1.61
				12	70	6.09	1.78
				13	74	6.86	1.69
				14	82	10.52	1.91
				15	81	9.42	1.77
				16	66	5.26	1.83
				17	66	4.72	1.64
				18	64	4.15	1.58
				19	83	10.22	1.79
				20	58	2.73	1.40
				21	61	3.25	1.43
				22	60	3.56	1.65
				23	56	2.46	1.40
				24	53	2.35	1.58
				25	43	1.12	1.41
				26	39	0.79	1.33
				27	40	0.93	1.45
				28	40	0.95	1.48
				29	42	0.97	1.31
			30	34	0.56	1.42	
BLUEGILL	1	83	8.59	1.50			
	2	75	6.60	1.56			
	3	74	6.94	1.71			
	4	69	4.77	1.45			
	5	62	3.54	1.49			
	6	66	4.42	1.54			
	7	59	3.22	1.57			
	8	53	2.33	1.57			
	9	40	0.82	1.28			
LONGEAR SUNFISH	1	76	2.00	0.46			
	2	107	22.00	1.80			
	3	109	23.00	1.78			
	4	88	12.18	1.79			
	5	79	8.08	1.64			
	6	67	4.93	1.64			
	7	67	4.74	1.58			
	8	68	5.29	1.68			
	9	68	5.24	1.67			
	10	78	8.15	1.72			
	11	58	2.92	1.50			
	12	64	3.92	1.50			
	13	61	3.56	1.57			
	14	60	3.27	1.51			
	15	65	4.75	1.73			
	16	59	3.44	1.67			
	17	59	2.93	1.43			
	18	59	3.19	1.55			
	19	57	2.95	1.59			
	20	57	2.98	1.61			
	21	57	2.92	1.58			
	22	55	2.88	1.73			
	23	55	2.62	1.57			
	24	55	2.49	1.50			
	25	51	2.03	1.53			
	26	51	2.19	1.65			
	27	51	1.96	1.48			
	28	50	2.01	1.61			
	29	50	1.95	1.56			
	30	52	2.57	1.83			
	31	53	2.37	1.59			
SMALLMOUTH BASS	1	307	395.00	1.37			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	A	08 05 87	SMALLMOUTH BASS	2	306	388.00	1.35
				3	173	48.00	0.93
				4	196	82.00	1.09
				5	213	104.00	1.08
				6	176	57.00	1.05
				7	151	34.00	0.99
				8	59	2.42	1.18
				1	91	8.63	1.15
	B	08 07 87	LARGEMOUTH BASS	2	75	4.51	1.07
				3	70	3.71	1.08
				4	65	3.30	1.20
				5	71	4.49	1.25
				6	73	3.98	1.02
				1	161	52.00	1.25
				1	41	0.59	0.86
				1	50	0.86	0.69
				1	165	33.84	0.75
B	08 07 87	LONGNOSE GAR	1	196	13.00	0.17	
			1	223	110.00	0.99	
			1	223	110.00	0.99	
			2	280	200.00	0.91	
			2	280	200.00	0.91	
			3	251	174.00	1.10	
			3	251	174.00	1.10	
			4	311	250.00	0.83	
			4	311	250.00	0.83	
			5	278	218.00	1.01	
			5	278	218.00	1.01	
			6	140	34.00	1.24	
			6	140	34.00	1.24	
			1	395	360.00	0.58	
			1	65	2.91	1.06	
			2	59	2.10	1.02	
			3	55	1.39	0.84	
			4	50	1.07	0.86	
			5	54	1.37	0.87	
			6	49	0.93	0.79	
			7	47	0.83	0.80	
			8	50	0.97	0.78	
			9	44	0.61	0.72	
			10	45	0.86	0.94	
			11	52	0.95	0.68	
			12	44	0.66	0.77	
			13	42	0.65	0.88	
			14	43	0.60	0.75	
			15	38	0.46	0.84	
			16	40	0.46	0.72	
			17	40	0.46	0.72	
			B	08 07 87	SAND SHINER	1	47
2	41	0.59				0.86	
3	41	0.46				0.67	
4	41	0.48				0.70	
5	43	0.50				0.63	
B	08 07 87	REDFIN SHINER	1	50	0.95	0.76	
			1	46	0.75	0.77	
B	08 07 87	MIMIC SHINER	2	49	0.89	0.76	
			1	66	2.85	0.99	
			2	69	3.26	0.99	
			3	68	3.39	1.08	
			4	53	1.31	0.88	
			5	56	1.42	0.81	
			6	58	1.72	0.88	
			7	55	1.20	0.72	
			8	51	1.15	0.87	
			9	53	1.19	0.80	
			10	50	1.02	0.82	
			11	58	1.68	0.86	
			12	52	1.03	0.73	
			13	50	1.04	0.83	
			14	47	0.87	0.84	
			B	08 07 87	BLUNTNOSE MINNOW	15	52
16	50	1.02				0.82	

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
2	B	08 07 87	BLUNTNOSE MINNOW	17	49	0.93	0.79				
				18	51	1.25	0.94				
				19	43	0.57	0.72				
				20	45	0.74	0.81				
				21	53	1.20	0.81				
				22	48	0.86	0.78				
				23	51	0.97	0.73				
				24	49	0.98	0.83				
				25	48	0.91	0.82				
				26	50	1.08	0.86				
				27	48	0.85	0.77				
				28	48	0.93	0.84				
				29	48	0.88	0.80				
				30	46	0.77	0.79				
				31	46	0.69	0.71				
				32	43	0.65	0.82				
				33	46	0.75	0.77				
				34	45	0.71	0.78				
				35	49	0.91	0.77				
				36	36	0.37	0.79				
				37	32	0.25	0.76				
				38	37	0.38	0.75				
				39	33	0.24	0.67				
				40	29	0.18	0.74				
							WHITE SUCKER	1	342	320.00	0.80
							NORTHERN HOGSUCKER	1	297	280.00	1.07
							GOLDEN REDHORSE	1	237	150.00	1.13
							SHORHEAD REDHORSE	1	69	2.19	0.67
							ROCK BASS	1	147	59.00	1.86
								2	130	44.00	2.00
								3	122	32.00	1.76
								4	150	62.00	1.84
								5	125	39.00	2.00
								6	142	48.00	1.68
								7	135	45.00	1.83
							GREEN SUNFISH	1	168	81.00	1.71
								2	105	16.00	1.38
								3	146	58.00	1.86
								4	112	27.00	1.92
								5	106	14.00	1.18
				6	79	8.77	1.78				
				7	76	7.03	1.60				
				8	62	4.55	1.91				
				9	65	4.58	1.67				
				10	61	3.96	1.74				
				11	37	0.84	1.66				
				12	39	0.86	1.45				
				13	38	0.86	1.57				
			BLUEGILL	1	118	28.00	1.70				
				2	88	11.00	1.61				
				3	96	19.00	2.15				
				4	73	5.61	1.44				
				5	70	4.85	1.41				
				6	52	1.95	1.39				
				7	52	1.92	1.37				
			LONGEAR SUNFISH	1	125	45.00	2.30				
				1	125	45.00	2.30				
				2	115	35.00	2.30				
				2	115	35.00	2.30				
				3	95	17.00	1.98				
				3	95	17.00	1.98				
				4	96	13.00	1.47				
				4	96	13.00	1.47				
				5	127	42.00	2.05				
				5	127	42.00	2.05				
				6	82	9.73	1.76				
				6	126	30.00	1.50				
				7	76	8.24	1.88				
				8	66	5.66	1.97				
				9	65	4.39	1.60				
				10	64	4.04	1.54				
				11	65	4.90	1.78				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
2	B	08 07 87	LONGEAR SUNFISH	12	65	4.68	1.70	
				13	59	3.70	1.80	
				14	58	3.20	1.64	
				15	52	2.20	1.56	
				16	49	1.93	1.64	
				17	49	1.85	1.57	
				1	316	450.00	1.43	
			SMALLMOUTH BASS	2	211	120.00	1.28	
				3	199	90.00	1.14	
				4	180	86.00	1.47	
				5	203	107.00	1.28	
				6	215	128.00	1.29	
				7	183	76.00	1.24	
				8	135	28.00	1.14	
			LARGEMOUTH BASS	9	59	2.34	1.14	
				10	65	2.92	1.06	
				1	89	7.92	1.12	
	BLACK CRAPPIE	1		160	63.00	1.54		
		2		196	82.00	1.09		
	WALLEYE	1		172	45.00	0.88		
		2		166	38.77	0.85		
	C	08 10 87	LONGNOSE GAR	1	196	10.00	0.13	
				GIZZARD SHAD	1	146	35.00	1.12
					2	354	490.00	1.10
				3	110	15.00	1.13	
				4	200	168.00	2.10	
				5	140	31.00	1.13	
				NORTHERN PIKE	1	605	1280.00	0.58
					2	398	380.00	0.60
				STRIPED SHINER	1	28	0.14	0.64
					2	30	0.20	0.74
				SPOTFIN SHINER	1	60	2.26	1.05
					2	65	2.45	0.89
					3	60	2.12	0.98
4					48	1.11	1.00	
5					67	3.13	1.04	
6					72	4.01	1.07	
7					42	0.58	0.78	
8		60	1.87		0.87			
9		61	2.29		1.01			
10		61	2.19		0.96			
11		56	1.92		1.09			
12		53	1.30		0.87			
13		51	1.16		0.87			
14		55	1.48		0.89			
15		51	1.23		0.93			
16		52	1.23		0.87			
17		45	0.77		0.84			
18		49	1.12	0.95				
19		51	1.28	0.96				
20		52	1.26	0.90				
21		50	1.21	0.97				
22		43	0.71	0.89				
23		40	0.59	0.92				
24		40	0.53	0.83				
25	39	0.56	0.94					
26	40	0.59	0.92					
27	40	0.53	0.83					
28	41	0.55	0.80					
SAND SHINER	1	50	1.02	0.82				
	2	51	1.00	0.75				
	3	50	0.89	0.71				
	4	46	0.88	0.90				
	5	49	0.98	0.83				
	6	44	0.66	0.77				
	7	45	0.69	0.76				
	8	43	0.60	0.75				
	9	42	0.52	0.70				
	10	44	0.67	0.79				
MIMIC SHINER	11	41	0.49	0.71				
	12	45	0.66	0.72				
	1	57	1.49	0.80				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	C	08 10 87	MIMIC SHINER	2	48	0.75	0.68
				3	48	0.77	0.70
				4	59	1.46	0.71
				5	58	1.39	0.71
				6	49	0.87	0.74
				7	46	0.75	0.77
				8	43	0.54	0.68
				9	43	0.55	0.69
				10	44	0.57	0.67
				11	45	0.66	0.72
				12	42	0.58	0.78
				13	49	0.79	0.67
				14	44	0.65	0.76
				BLUNTNOSE MINNOW	1	70	2.97
			2		71	3.64	1.02
			3		51	1.29	0.97
			4		52	1.26	0.90
			5		54	1.26	0.80
			6		50	1.13	0.90
			7		55	1.53	0.92
			8		58	1.80	0.92
			9		49	0.80	0.68
			10		49	1.08	0.92
			GOLDEN REDHORSE	11	50	1.08	0.86
12	49	1.12		0.95			
13	50	1.14		0.91			
14	47	0.80		0.77			
15	49	1.00		0.85			
16	48	0.93		0.84			
17	54	1.50		0.95			
18	49	1.14		0.97			
19	46	0.82		0.84			
20	50	1.12		0.90			
BROOK SILVERSIDE	21	49	0.95	0.81			
	22	47	0.86	0.83			
	23	48	0.86	0.78			
	24	30	0.24	0.89			
ROCK BASS	1	272	200.00	0.99			
	1	67	1.13	0.38			
	1	145	55.00	1.80			
	2	133	45.00	1.91			
	3	111	22.00	1.61			
	4	131	34.00	1.51			
	5	174	79.00	1.50			
	6	116	30.00	1.92			
	7	136	44.00	1.75			
	8	153	62.00	1.73			
	9	155	62.00	1.66			
	GREEN SUNFISH	1	143	50.00	1.71		
		2	82	8.00	1.45		
		3	96	12.00	1.36		
4		152	55.00	1.57			
5		152	60.00	1.71			
6		120	25.00	1.45			
7		84	12.00	2.02			
8		69	5.52	1.68			
9		75	7.17	1.70			
10		67	5.39	1.79			
11		40	1.08	1.69			
12		41	1.14	1.65			
13		42	1.26	1.70			
14		36	0.77	1.65			
BLUEGILL	15	37	0.84	1.66			
	16	40	1.07	1.67			
	17	37	0.77	1.52			
	18	41	1.15	1.67			
LONGEAR SUNFISH	1	46	1.54	1.58			
	2	49	1.77	1.50			
	1	115	26.00	1.71			
	2	125	45.00	2.30			
	3	120	39.00	2.26			
	4	90	13.00	1.78			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
2	C	08 10 87	LONGEAR SUNFISH	5	105	27.00	2.33	
				6	66	5.03	1.75	
				7	61	4.10	1.81	
				8	53	2.80	1.88	
				9	52	2.14	1.52	
				10	47	1.67	1.61	
				SMALLMOUTH BASS	1	201	86.00	1.06
					2	206	103.00	1.18
					3	183	73.00	1.19
					4	66	3.53	1.23
5	60	2.43	1.12					
6	57	2.07	1.12					
LARGEMOUTH BASS	1	144	46.00	1.54				
	2	99	11.53	1.19				
	3	74	4.66	1.15				
D	08 13 87	BLACKSIDE DARTER	1	56	1.39	0.79		
			1	265	26.00	0.14		
		LONGNOSE GAR	2	239	19.00	0.14		
			1	214	97.00	0.99		
		GIZZARD SHAD	2	212	94.00	0.99		
			3	254	173.00	1.06		
			4	88	7.00	1.03		
			5	245	158.00	1.07		
			6	213	78.00	0.81		
			7	235	143.00	1.10		
8	255		167.00	1.01				
9	278		250.00	1.16				
10	270		285.00	1.45				
11	283		228.00	1.01				
12	127		20.00	0.98				
13	286		278.00	1.19				
14	253		185.00	1.14				
15	220		104.00	0.98				
NORTHERN PIKE	16		103	9.00	0.82			
	17	235	137.00	1.06				
STRIPED SHINER	18	146	29.00	0.93				
	19	212	225.00	2.36				
SPOTFIN SHINER	20	135	47.00	1.91				
	21	132	28.00	1.22				
	22	192	66.00	0.93				
SAND SHINER	1	645	1560.00	0.58				
	2	390	380.00	0.64				
	1	119	18.31	1.09				
MIMIC SHINER	1	55	1.62	0.97				
	2	52	0.97	0.69				
	3	51	1.13	0.85				
	1	56	1.50	0.85				
	2	50	1.13	0.90				
	3	47	0.77	0.74				
SUCKERMOUTH MINNOW	4	44	0.61	0.72				
	1	59	1.42	0.69				
	2	45	0.57	0.63				
	3	45	0.55	0.60				
	4	47	0.66	0.64				
	5	43	0.50	0.63				
	6	43	0.56	0.70				
	1	39	0.44	0.74				
	1	56	1.57	0.89				
BLUNTNOSE MINNOW	2	54	1.22	0.77				
	3	53	1.29	0.87				
	4	50	1.09	0.87				
	5	53	1.27	0.85				
	6	51	1.12	0.84				
	7	50	1.12	0.90				
	8	57	1.66	0.90				
	9	49	1.08	0.92				
	10	52	1.24	0.88				
	11	49	0.77	0.65				
	12	44	0.69	0.81				
	13	52	1.10	0.78				
	14	48	0.81	0.73				
	15	26	0.13	0.74				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 13 87	CREEK CHUB	1	47	1.05	1.01
				1	254	200.00	1.22
			QUILLBACK	2	345	495.00	1.21
			NORTHERN HOGSUCKER	1	365	500.00	1.03
				2	410	735.00	1.07
			GOLDEN REDHORSE	1	260	200.00	1.14
			SHORTHEAD REDHORSE	2	346	565.00	1.36
				1	358	440.00	0.96
			ROCK BASS	1	244	303.00	2.09
				2	132	41.00	1.78
				3	125	37.00	1.89
				4	130	44.00	2.00
				5	123	33.00	1.77
				6	94	12.00	1.44
			GREEN SUNFISH	1	169	54.00	1.12
				2	112	23.00	1.64
				3	117	29.00	1.81
				4	95	14.00	1.63
				5	104	19.00	1.69
				6	98	14.00	1.49
				7	76	6.81	1.55
				8	71	6.43	1.80
				9	61	3.43	1.51
				10	56	2.65	1.51
			BLUEGILL	1	109	21.00	1.62
				2	118	30.00	1.83
				3	99	15.00	1.55
				4	99	18.00	1.86
				5	90	11.08	1.52
				6	76	6.46	1.47
				7	46	1.44	1.48
				8	26	0.25	1.42
				9	22	0.17	1.60
				1	107	22.00	1.80
			LONGEAR SUNFISH	2	104	22.00	1.96
				3	85	13.00	2.12
				4	114	28.00	1.89
				5	106	24.00	2.02
				6	113	26.00	1.80
				7	72	6.73	1.80
				8	70	6.10	1.78
				9	66	5.24	1.82
				10	66	4.35	1.51
				11	61	3.54	1.56
				12	59	3.64	1.77
13	66	4.81		1.67			
	14	57	3.06	1.65			
	15	59	3.45	1.68			
	16	61	3.75	1.65			
	17	58	3.34	1.71			
	18	58	3.03	1.55			
	19	53	2.27	1.52			
	20	55	2.59	1.56			
	21	51	2.11	1.59			
	22	59	3.40	1.66			
	23	51	2.23	1.68			
	24	55	2.48	1.49			
	25	49	1.87	1.59			
	26	47	1.78	1.71			
	1	287	280.00	1.18			
SMALLMOUTH BASS	2	75	4.82	1.14			
	3	71	4.16	1.16			
	4	70	3.82	1.11			
	5	57	1.87	1.01			
LARGEMOUTH BASS	1	159	46.00	1.14			
	2	76	4.86	1.11			
3L	A	08 04 87	SPOTFIN SHINER	1	53	1.35	0.91
				2	47	0.77	0.74
			BULLHEAD MINNOW	1	66	2.84	0.99
				1	349	520.00	1.22
			QUILLBACK	2	373	665.00	1.28
				1	358	462.00	1.01
			GOLDEN REDHORSE				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	A	08 04 87	GOLDEN REDHORSE	2	352	485.00	1.11
				3	341	412.00	1.04
				4	328	388.00	1.10
				5	149	36.00	1.09
				6	142	29.00	1.01
				7	133	28.00	1.19
				8	143	30.06	1.03
				1	161	78.00	1.87
			ROCK BASS	2	118	32.00	1.95
				3	151	65.00	1.89
				4	106	25.00	2.10
				5	126	38.00	1.90
				6	123	33.00	1.77
				1	95	16.00	1.87
				2	38	0.86	1.57
				1	118	39.00	2.37
			LONGEAR SUNFISH	2	107	28.00	2.29
				3	123	41.00	2.20
				4	92	19.00	2.44
				5	98	16.00	1.70
				6	82	12.00	2.18
7	92	15.00		1.93			
8	86	10.71		1.68			
9	90	13.14		1.80			
10	65	4.96		1.81			
11	80	9.75		1.90			
12	71	5.63		1.57			
13	70	6.16		1.80			
SMALLMOUTH BASS	14	62		3.82	1.60		
	15	61	3.62	1.59			
	16	66	4.79	1.67			
	17	60	3.69	1.71			
	18	59	3.37	1.64			
	19	59	2.97	1.45			
	20	57	3.42	1.85			
	21	54	2.59	1.64			
	1	314	415.00	1.34			
	2	231	110.00	0.89			
	3	207	120.00	1.35			
	4	269	262.00	1.35			
	5	226	142.00	1.23			
6	141	66.00	2.35				
7	174	60.00	1.14				
8	187	73.00	1.12				
9	164	55.00	1.25				
10	163	52.00	1.20				
11	164	51.00	1.16				
12	128	22.00	1.05				
B	08 07 87	STRIPED SHINER	1	105	10.86	0.94	
			1	60	1.66	0.77	
			2	59	1.53	0.74	
			3	58	1.35	0.69	
			4	50	0.77	0.62	
		ROSYFACE SHINER	5	37	0.31	0.61	
			1	57	1.72	0.93	
			2	49	1.04	0.88	
		SPOTFIN SHINER	3	60	2.14	0.99	
			1	49	1.05	0.89	
		BLUNTNOSE MINNOW	1	372	670.00	1.30	
2	325		460.00	1.34			
QUILLBACK	1	211	82.00	0.87			
	1	190	135.00	1.97			
GOLDEN REDHORSE	2	122	31.10	1.71			
	3	126	34.00	1.70			
	4	135	44.00	1.79			
	5	134	38.00	1.58			
	6	160	82.00	2.00			
	7	106	19.00	1.60			
	8	36	10.00	1.57			
	9	166	80.00	1.75			
	10	121	26.00	1.47			
	11	162	79.00	1.86			
ROCK BASS							

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL		
3L	B	08 07 87	ROCK BASS	12	120	26.00	1.50		
				13	128	38.00	1.81		
			GREEN SUNFISH	1	143	63.00	2.15		
				2	172	97.00	1.91		
			ORANGESPOTTED SUNFISH	1	98	23.00	2.44		
				2	94	14.00	1.69		
			LONGEAR SUNFISH	1	112	30.00	2.14		
				2	70	6.34	1.85		
				3	62	4.56	1.91		
				4	64	4.55	1.74		
				5	55	2.98	1.79		
				6	58	3.06	1.57		
				7	63	4.25	1.70		
				8	58	3.26	1.67		
				9	60	3.25	1.50		
			SMALLMOUTH BASS	1	212	100.00	1.05		
				2	165	51.00	1.14		
				3	165	48.00	1.07		
				4	188	75.00	1.13		
				5	142	29.00	1.01		
				6	173	54.00	1.04		
			LARGEMOUTH BASS	1	70	3.92	1.14		
				2	194	92.00	1.26		
			C	08 10 87	GRASS PICKEREL	1	237	66.00	0.50
					SPOTFIN SHINER	1	73	3.18	0.82
						2	52	1.34	0.95
					RIVER REDHORSE	1	231	140.00	1.14
					GOLDEN REDHORSE	1	234	125.00	0.98
						2	229	113.00	0.94
						3	120	27.00	1.56
					BLACKSTRIPE TOPMINNOW	1	20	0.01	0.12
					BROOK SILVERSIDE	1	75	1.83	0.43
					ROCK BASS	1	110	25.00	1.88
						2	124	28.00	1.47
						3	136	38.00	1.51
						4	209	167.00	1.83
	5	170			79.00	1.61			
	6	121			26.00	1.47			
	7	110			21.00	1.58			
	8	121			29.00	1.64			
	9	124			33.00	1.73			
GREEN SUNFISH	1	168			77.00	1.62			
	2	119			33.00	1.96			
	3	44			1.34	1.57			
ORANGESPOTTED SUNFISH	1	60			3.09	1.43			
LONGEAR SUNFISH	1	103			21.00	1.92			
	2	108			21.00	1.67			
	3	112			27.00	1.92			
	4	95			17.00	1.98			
	5	65			5.09	1.85			
	6	65			4.92	1.79			
	7	57			3.29	1.78			
	8	58			3.22	1.65			
	9	45			1.32	1.45			
SMALLMOUTH BASS	1	285			200.00	0.86			
	2	237			142.00	1.07			
	3	170			61.00	1.24			
	4	210			103.00	1.11			
	5	231			114.00	0.92			
	6	190	71.00	1.04					
	7	141	29.00	1.03					
	8	203	80.00	0.96					
	9	167	50.00	1.07					
	10	202	90.00	1.09					
	11	173	54.00	1.04					
	12	58	2.25	1.15					
D	08 13 87	GIZZARD SHAD	1	340	385.00	0.98			
			2	322	290.00	0.87			
			3	290	250.00	1.03			
			4	269	172.00	0.88			
		SPOTFIN SHINER	1	53	1.43	0.96			
		GOLDEN REDHORSE	1	364	502.00	1.04			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	D	08 13 87	GOLDEN REDHORSE	2	223	115.00	1.04
				3	232	130.00	1.04
				4	157	41.00	1.06
			ROCK BASS	1	122	28.00	1.54
				1	122	28.00	1.54
			BLUEGILL	1	72	6.00	1.61
				1	115	24.00	1.58
			LONGEAR SUNFISH	2	95	17.00	1.98
				3	54	2.60	1.65
			SMALLMOUTH BASS	1	227	142.00	1.21
				2	186	65.00	1.01
				3	166	50.00	1.09
				4	65	3.27	1.19
				1	264	185.00	1.01
3R	A	08 04 87	GIZZARD SHAD	2	308	335.00	1.15
				3	321	128.00	0.39
				1	546	2200.00	1.35
			CARP	1	79	4.09	0.83
				2	64	2.58	0.98
			SPOTFIN SHINER	3	50	1.04	0.83
				1	61	1.82	0.80
				2	57	1.62	0.87
			BLUNTNOSE MINNOW	1	130	42.00	1.91
				1	118	32.00	1.95
			ROCK BASS	1	118	32.00	1.95
				1	143	52.00	1.78
			GREEN SUNFISH	2	76	11.00	2.51
				3	81	11.00	2.07
BLUEGILL	1	111	24.00	1.75			
	2	98	26.00	2.76			
LONGEAR SUNFISH	3	106	22.00	1.85			
	4	101	22.00	2.14			
	5	92	19.00	2.44			
	6	97	19.00	2.08			
	7	90	15.00	2.06			
	8	72	6.91	1.85			
	9	49	1.92	1.63			
	SMALLMOUTH BASS	1	254	287.00	1.75		
		2	193	78.00	1.08		
3		58	2.09	1.07			
B	08 07 87	LARGEMOUTH BASS	1	266	288.00	1.53	
			1	230	132.00	1.08	
		GIZZARD SHAD	2	220	95.00	0.89	
			3	363	185.00	0.39	
		SPOTFIN SHINER	1	65	2.60	0.95	
			2	78	4.49	0.95	
			3	62	2.49	1.04	
			4	62	2.46	1.03	
			5	57	1.91	1.03	
			6	58	1.66	0.85	
			7	61	2.08	0.92	
			8	64	2.17	0.83	
			9	55	1.50	0.90	
			10	56	1.77	1.01	
11	58		1.70	0.87			
12	50		1.40	1.12			
13	48		0.91	0.82			
14	49	0.90	0.76				
15	49	1.00	0.85				
16	44	0.64	0.75				
17	42	0.55	0.74				
18	37	0.34	0.67				
BLUNTNOSE MINNOW	1	53	1.20	0.81			
	2	50	1.25	1.00			
	3	51	1.21	0.91			
NORTHERN HOGSUCKER	1	325	340.00	0.99			
	1	125	38.00	1.95			
ROCK BASS	2	152	75.00	2.14			
	1	41	1.15	1.67			
GREEN SUNFISH	1	105	17.00	1.47			
ORANGESPOTTED SUNFISH	1	134	51.00	2.12			
BLUEGILL	1	132	35.00	1.52			
LONGEAR SUNFISH	2	102	15.00	1.41			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	B	08 07 87	LONGEAR SUNFISH	3	85	17.00	2.77
				4	103	28.00	2.56
				5	95	11.00	1.28
				6	73	7.36	1.89
				7	72	6.72	1.80
				8	68	5.66	1.80
				9	53	2.44	1.64
				10	53	2.43	1.63
				1	210	130.00	1.40
				2	161	65.00	1.56
C	08 10 87		SMALLMOUTH BASS	1	145	30.00	0.98
			BLACK CRAPPIE	1	375	640.00	1.21
			FRESHWATER DRUM	1	125	18.00	0.92
			GIZZARD SHAD	2	130	19.00	0.86
				3	115	13.00	0.85
				4	131	22.00	0.98
				5	130	19.00	0.86
				6	68	2.22	0.71
			SPOTFIN SHINER	1	64	2.62	1.00
			2	54	1.50	0.95	
3	61	2.10	0.93				
4	59	2.06	1.00				
5	57	1.53	0.83				
6	46	0.85	0.87				
7	57	1.75	0.94				
8	47	0.72	0.69				
9	42	0.67	0.90				
10	31	0.27	0.91				
11	30	0.21	0.78				
12	29	0.17	0.70				
13	35	0.31	0.72				
14	28	0.16	0.73				
15	28	0.14	0.64				
16	28	0.14	0.64				
17	31	0.19	0.64				
18	28	0.14	0.64				
19	28	0.14	0.64				
20	26	0.09	0.51				
21	30	0.17	0.63				
22	26	0.06	0.34				
23	31	0.19	0.64				
24	33	0.25	0.70				
25	31	0.19	0.64				
26	28	0.13	0.59				
27	30	0.18	0.67				
28	28	0.14	0.64				
29	28	0.12	0.55				
30	30	0.14	0.52				
31	28	0.11	0.50				
32	21	0.02	0.22				
33	25	0.06	0.38				
34	28	0.11	0.50				
35	27	0.10	0.51				
36	27	0.09	0.46				
37	26	0.06	0.34				
38	26	0.06	0.34				
39	27	0.07	0.36				
40	26	0.05	0.28				
41	24	0.02	0.14				
42	25	0.03	0.19				
43	27	0.08	0.41				
44	26	0.07	0.40				
45	23	0.02	0.16				
46	25	0.05	0.32				
47	24	0.03	0.22				
D	08 13 87		GOLDEN REDHORSE	1	224	126.00	1.12
			BLACKSTRIPE TOPMINNOW	1	34	0.26	0.66
			ROCK BASS	1	163	70.00	1.62
			SMALLMOUTH BASS	1	389	640.00	1.09
			GIZZARD SHAD	2	212	102.00	1.07
D	08 13 87		BLUNTNOSE MINNOW	1	291	51.00	0.21
				1	62	2.27	0.95

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	D	08 13 87	BLUNTNOSE MINNOW	2	64	2.46	0.94
				3	55	1.39	0.84
				4	54	1.37	0.87
				5	50	0.97	0.78
				6	56	1.52	0.87
				7	51	1.22	0.92
				8	52	1.15	0.82
				1	57	1.59	0.86
			BULLHEAD MINNOW	1	65	2.53	0.92
				2	61	2.12	0.93
			GOLDEN REDHORSE	1	135	49.00	1.99
				2	75	7.17	1.70
			GREEN SUNFISH	3	37	0.83	1.64
				1	78	7.80	1.64
			ORANGESPOTTED SUNFISH	1	87	10.00	1.52
			BLUEGILL	1	103	13.00	1.19
			LONGEAR SUNFISH	2	105	13.00	1.12
				3	102	14.00	1.32
			LARGEMOUTH BASS	1	71	3.48	0.97
				1	43	0.65	0.82
			ROSYFACE SHINER	1	49	1.12	0.95
				2	44	0.82	0.96
			SPOTFIN SHINER	3	44	0.74	0.87
4	44	0.81		0.95			
QUILLBACK	5	43	0.83	1.04			
	1	365	610.00	1.25			
ROCK BASS	1	119	28.00	1.66			
	2	137	48.00	1.87			
	3	117	30.00	1.87			
	4	116	31.00	1.99			
	5	170	108.00	2.20			
	6	113	30.00	2.08			
	7	131	41.00	1.82			
	8	175	109.00	2.03			
	9	182	134.00	2.22			
	10	167	81.00	1.74			
	11	123	33.00	1.77			
	12	141	52.00	1.86			
	13	127	38.00	1.86			
	14	78	7.92	1.67			
GREEN SUNFISH	1	153	72.00	2.01			
	2	128	49.00	2.34			
ORANGESPOTTED SUNFISH	1	82	11.00	2.00			
LONGEAR SUNFISH	1	118	40.00	2.43			
	2	100	23.00	2.30			
	3	101	29.00	2.81			
	4	104	25.00	2.22			
	5	104	23.00	2.04			
	6	98	22.00	2.34			
	7	93	14.00	1.74			
	8	122	26.00	1.43			
	9	96	23.00	2.60			
	10	103	28.00	2.56			
	11	95	15.00	1.75			
	12	83	12.00	2.10			
	13	99	20.00	2.06			
	14	85	15.00	2.44			
	15	79	8.79	1.78			
	16	65	4.83	1.76			
	17	68	5.03	1.60			
	18	60	3.68	1.70			
	19	62	4.22	1.77			
	20	56	2.76	1.57			
	21	51	2.40	1.81			
	1	265	230.00	1.24			
SMALLMOUTH BASS	2	174	52.00	0.99			
	3	198	92.00	1.19			
LARGEMOUTH BASS	1	85	6.84	1.11			
JOHNNY DARTER	1	40	0.56	0.87			
GIZZARD SHAD	1	257	210.00	1.24			
	1	42	0.55	0.74			
B	08 07 87	STRIPED SHINER	1	53	1.48	0.99	
			1	53	1.48	0.99	

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL		
4L	B	08 07 87	SPOTFIN SHINER	2	53	1.48	0.99		
			REDFIN SHINER	1	46	0.71	0.73		
				2	47	0.90	0.87		
			BLUNTNOSE MINNOW	1	68	3.32	1.06		
			QUILLBACK	1	301	400.00	1.47		
			ROCK BASS	1	172	106.00	2.08		
				2	185	124.00	1.96		
				3	135	46.00	1.87		
				4	164	68.00	1.54		
				5	132	38.00	1.65		
				6	142	49.00	1.71		
				7	110	26.00	1.95		
				8	122	30.00	1.65		
				9	113	24.00	1.66		
				1	121	30.00	1.69		
				2	137	36.00	1.40		
				1	92	10.00	1.28		
				2	95	14.00	1.63		
				3	90	12.52	1.72		
				4	83	9.53	1.67		
				1	142	46.00	1.61		
				2	74	6.39	1.58		
				1	123	22.00	1.18		
				2	135	24.00	0.98		
				3	99	18.00	1.86		
				4	113	26.00	1.80		
				5	105	20.00	1.73		
				6	120	27.00	1.56		
				7	105	18.00	1.55		
				8	90	13.00	1.78		
				9	97	16.00	1.75		
				10	91	15.96	2.12		
				11	74	7.42	1.83		
				12	70	6.62	1.93		
				13	65	4.71	1.72		
				14	69	5.80	1.77		
				15	61	3.83	1.69		
				16	57	3.10	1.67		
				1	178	60.00	1.06		
				2	149	35.00	1.06		
				3	168	50.00	1.05		
				4	129	22.00	1.02		
				5	158	42.00	1.06		
			C	08 10 87	GIZZARD SHAD	1	317	300.00	0.94
					GRASS PICKEREL	1	177	38.00	0.69
					QUILLBACK	1	382	725.00	1.30
						2	427	1035.00	1.33
						3	445	1030.00	1.17
GOLDEN REDHORSE	1	135			31.00	1.26			
ROCK BASS	1	176			126.00	2.31			
	2	176			104.00	1.91			
	3	176			109.00	2.00			
	4	161			77.00	1.85			
	5	137			44.00	1.71			
	6	122			31.00	1.71			
	7	130			43.00	1.96			
	8	193			154.00	2.14			
	9	138			52.00	1.98			
	10	116			32.00	2.05			
	1	97			24.00	2.63			
	1	91			12.00	1.59			
	2	92			12.00	1.54			
	3	99			15.00	1.55			
	4	84			14.00	2.36			
	5	86			14.00	2.20			
	1	82			13.00	2.36			
	2	64			3.89	1.48			
	3	54			2.26	1.44			
	1	110			35.00	2.63			
	2	82			9.00	1.63			
	3	86			12.00	1.89			
	4	83			12.00	2.10			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
4L	C	08 10 87	LONGEAR SUNFISH	5	94	12.00	1.44				
				6	76	8.00	1.82				
				7	70	5.97	1.74				
				8	75	7.28	1.73				
				9	68	5.56	1.77				
				10	63	3.72	1.49				
				11	63	3.99	1.60				
				12	61	3.98	1.75				
				13	67	5.20	1.73				
					1	181	74.00	1.25			
					2	176	63.00	1.16			
					3	167	52.00	1.12			
				D	08 13 87	GIZZARD SHAD	1	196	65.00	0.86	
SPOTFIN SHINER	1	63	2.42				0.97				
	2	50	1.13				0.90				
	1	66	2.77				0.96				
BLUNTNOSE MINNOW	2	58	1.74				0.89				
	GOLDEN REDHORSE	1	423				860.00	1.14			
		2	240				140.00	1.01			
BROOK SILVERSIDE	3	208	108.00				1.20				
	ROCK BASS	1	54				0.63	0.40			
		1	164				84.00	1.90			
GREEN SUNFISH	2	137	43.00				1.67				
	3	153	60.00				1.68				
	1	135	42.00				1.71				
ORANGESPOTTED SUNFISH	2	48	2.10				1.90				
	1	85	8.00				1.30				
LONGEAR SUNFISH	1	131	49.00				2.18				
	2	103	24.00				2.20				
	3	99	21.00				2.16				
	4	85	12.00				1.95				
	5	79	10.00				2.03				
	6	63	4.66				1.86				
	7	65	5.14				1.87				
	8	60	3.69				1.71				
	9	61	3.69				1.63				
	10	54	2.60				1.65				
	SMALLMOUTH BASS	1	71				53.00	14.8			
		2	177				54.00	0.97			
	4R	A	08 04 87				LARGEMOUTH BASS	1	78	5.06	1.07
SPOTFIN SHINER								1	69	2.91	0.89
								2	64	2.13	0.81
								3	54	1.44	0.91
								4	49	0.95	0.81
								5	51	0.96	0.72
				6	49	0.94		0.80			
				7	48	0.90		0.81			
BLUNTNOSE MINNOW				1	48	0.98		0.89			
				2	50	1.04		0.83			
				3	50	0.93		0.74			
QUILLBACK				4	49	0.87		0.74			
				5	50	1.02		0.82			
	1	300	305.00	1.13							
GOLDEN REDHORSE	1	401	550.00	0.85							
	1	161	90.00	2.16							
ROCK BASS	2	139	54.00	2.01							
	3	135	48.00	1.95							
	4	102	18.00	1.70							
BLUEGILL	1	70	4.57	1.33							
	1	111	29.00	2.12							
LONGEAR SUNFISH	2	116	35.00	2.24							
	3	110	26.00	1.95							
	4	115	22.00	1.45							
	5	102	22.00	2.07							
	6	111	21.00	1.54							
	7	102	21.00	1.98							
	8	97	18.00	1.97							
	9	93	15.00	1.86							
	10	96	15.00	1.70							
	11	92	12.00	1.54							
	12	97	16.00	1.75							
13	98	17.00	1.81								

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
4R	A	08 04 87	LONGEAR SUNFISH	14	87	14.00	2.13	
				15	77	7.24	1.59	
				16	81	8.66	1.63	
				17	61	3.72	1.64	
				18	62	4.09	1.72	
				19	54	2.28	1.45	
				20	50	1.80	1.44	
	B	08 07 87	SMALLMOUTH BASS	21	55	2.54	1.53	
				1	181	63.00	1.06	
				1	342	660.00	1.65	
				1	58	1.64	0.84	
				2	62	2.30	0.97	
				3	56	1.66	0.95	
				4	56	1.32	0.75	
				5	55	1.56	0.94	
				6	55	1.51	0.91	
				7	51	1.10	0.83	
				8	45	0.74	0.81	
				1	78	5.07	1.07	
				2	52	1.19	0.85	
				3	48	0.77	0.70	
08 10 87		GOLDEN REDHORSE	1	156	36.00	0.95		
			2	131	21.00	0.93		
			1	170	ROCK BASS	94.00	1.91	
					GREEN SUNFISH	85.00	1.96	
			1	78	9.26	1.95		
			2	36	0.63	1.35		
			1	113	27.00	1.87		
2	86	13.00	2.04					
3	60	3.72	1.72					
C	08 10 87	SMALLMOUTH BASS	1	161	48.00	1.15		
			2	177	63.00	1.14		
			1	281	218.00	0.98		
			1	93	5.94	0.74		
			2	63	1.86	0.74		
			3	62	1.52	0.64		
			08 10 87	SPOTFIN SHINER	1	73	4.14	1.06
					2	60	1.87	0.87
					3	68	2.74	0.87
					4	67	3.63	1.21
					5	58	1.80	0.92
					6	62	1.92	0.81
					7	55	1.44	0.87
					8	64	2.35	0.90
	9	60	2.05	0.95				
	10	48	0.92	0.83				
	11	55	1.16	0.70				
	12	46	0.81	0.83				
	13	29	0.18	0.74				
	14	34	0.27	0.69				
	15	28	0.14	0.64				
16	17	0.01	0.20					
1	55	1.39	0.84					
08 10 87	REDFIN SHINER	1	53	1.73	1.16			
		2	54	1.55	0.98			
08 10 87	BLUNTNOSE MINNOW	3	48	0.89	0.80			
		4	50	0.92	0.74			
08 10 87	BULLHEAD MINNOW	1	60	2.22	1.03			
		1	433	1000.00	1.23			
08 10 87	QUILLBACK	1	392	560.00	0.93			
		1	150	34.00	1.01			
08 10 87	NORTHERN HOGSUCKER	1	145	25.00	0.82			
		1	53	2.25	1.51			
08 10 87	GOLDEN REDHORSE	1	173	94.00	1.82			
		1	71	6.78	1.89			
08 10 87	STONECAT	1	71	6.78	1.89			
		2	61	4.03	1.78			
08 10 87	PIRATE PERCH	1	48	1.56	1.41			
		1	62	4.09	1.72			
08 10 87	ROCK BASS	2	59	3.13	1.52			
		1	243	169.00	1.18			
08 10 87	GREEN SUNFISH	2	185	55.00	0.87			
		3	137	27.00	1.05			
08 10 87	BLUEGILL	1	62	4.09	1.72			
		2	59	3.13	1.52			
08 10 87	LONGEAR SUNFISH	1	62	4.09	1.72			
		2	59	3.13	1.52			
08 10 87	SMALLMOUTH BASS	1	243	169.00	1.18			
		2	185	55.00	0.87			
08 10 87	LONGEAR SUNFISH	3	137	27.00	1.05			
		3	137	27.00	1.05			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
4R	C	08 10 87	SMALLMOUTH BASS	4	216	112.00	1.11				
				5	198	89.00	1.15				
				6	175	59.00	1.10				
				7	141	31.00	1.11				
				1	174	61.00	1.16				
	D	08 13 87	LARGEMOUTH BASS	2	166	47.00	1.03				
				1	85	3.92	0.64				
				1	700	1700.00	0.50				
				1	50	0.92	0.74				
				1	65	2.64	0.96				
D		08 13 87	GIZZARD SHAD	1	50	0.92	0.74				
				1	65	2.64	0.96				
				2	55	1.52	0.91				
				3	54	1.35	0.86				
				4	49	0.87	0.74				
	5			56	1.49	0.85					
	6			44	0.49	0.58					
	7			35	0.27	0.63					
	8			26	0.08	0.46					
	9			23	0.04	0.33					
D	08 13 87	NORTHERN PIKE	1	50	0.92	0.74					
			1	65	2.64	0.96					
			2	55	1.52	0.91					
			3	54	1.35	0.86					
			4	49	0.87	0.74					
			5	56	1.49	0.85					
			6	44	0.49	0.58					
			7	35	0.27	0.63					
			8	26	0.08	0.46					
			9	23	0.04	0.33					
D	08 13 87	STRIPED SHINER	1	50	0.92	0.74					
			1	65	2.64	0.96					
			2	55	1.52	0.91					
			3	54	1.35	0.86					
			4	49	0.87	0.74					
			5	56	1.49	0.85					
			6	44	0.49	0.58					
			7	35	0.27	0.63					
			8	26	0.08	0.46					
			9	23	0.04	0.33					
D	08 13 87	SPOTFIN SHINER	1	50	0.92	0.74					
			1	65	2.64	0.96					
			2	55	1.52	0.91					
			3	54	1.35	0.86					
			4	49	0.87	0.74					
			5	56	1.49	0.85					
			6	44	0.49	0.58					
			7	35	0.27	0.63					
			8	26	0.08	0.46					
			9	23	0.04	0.33					
D	08 13 87	BLUNTNOSE MINNOW	10	23	0.05	0.41					
			1	52	1.15	0.82					
			2	52	1.14	0.81					
			3	52	1.28	0.91					
			4	53	1.23	0.83					
			5	57	1.42	0.77					
			6	50	1.02	0.82					
			7	54	1.27	0.81					
			8	50	0.99	0.79					
			9	50	1.06	0.85					
D	08 13 87	GOLDEN REDHORSE	10	35	0.33	0.77					
			1	374	560.00	1.07					
			1	172	95.00	1.87					
			1	142	59.00	2.06					
			1	110	30.00	2.25					
			2	95	19.00	2.22					
			3	91	18.00	2.39					
			4	86	12.00	1.89					
			5	93	14.00	1.74					
			1	176	60.00	1.10					
5L	A	08 04 87	SMALLMOUTH BASS	1	172	56.00	1.10				
				1	227	105.00	0.90				
				2	101	15.00	1.46				
				3	101	10.00	0.97				
				4	137	28.00	1.09				
	A	08 04 87	LARGEMOUTH BASS	5	268	200.00	1.04				
				6	227	121.00	1.03				
				7	82	6.10	1.11				
				1	385	910.00	1.59				
				2	315	420.00	1.34				
5L	A	08 04 87	GIZZARD SHAD	3	316	480.00	1.52				
				1	57	1.79	0.97				
				2	55	1.57	0.94				
				3	49	0.94	0.80				
				4	55	1.32	0.79				
	A	08 04 87	CARP	1	50	0.91	0.73				
				2	48	0.84	0.76				
				1	51	1.11	0.84				
				1	70	2.94	0.86				
				2	65	2.91	1.06				
5L	A	08 04 87	SUCKERMOUTH MINNOW	3	65	2.60	0.95				
				4	62	2.40	1.01				
				5	68	3.44	1.09				
				6	68	2.94	0.94				
				7	63	2.33	0.93				
				8	56	1.49	0.85				
				9	53	1.29	0.87				
				10	53	1.26	0.85				
				11	52	1.14	0.81				
				12	51	1.20	0.90				
5L	A	08 04 87	BLUNTNOSE MINNOW	13	55	1.57	0.94				
				14	48	1.04	0.94				
				15	50	1.10	0.88				
				1	68	3.55	1.13				
				5L	A	08 04 87	BULLHEAD MINNOW	1	68	3.55	1.13

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	A	08 04 87	BULLHEAD MINNOW	2	65	2.93	1.07
				3	52	1.19	0.85
				4	52	1.35	0.96
				5	52	1.28	0.91
				6	55	1.29	0.78
				7	55	1.53	0.92
				8	53	1.25	0.84
				9	53	1.35	0.91
				10	49	0.97	0.82
				11	48	0.89	0.80
				12	45	0.55	0.60
				13	35	0.23	0.54
							GOLDEN REDHORSE
				2	141	32.00	1.14
			ROCK BASS	1	215	195.00	1.96
				2	176	119.00	2.18
				3	154	79.00	2.16
				4	161	87.00	2.08
				5	144	60.00	2.01
				6	156	80.00	2.11
			GREEN SUNFISH	1	174	108.00	2.05
				2	158	80.00	2.03
				3	146	60.00	1.93
				4	129	45.00	2.10
				5	111	32.00	2.34
				6	119	36.00	2.14
				7	131	39.00	1.73
				8	136	49.00	1.95
				9	135	32.00	1.30
				10	85	12.92	2.10
				11	78	9.53	2.01
				12	70	6.39	1.86
				13	60	4.10	1.90
				14	68	5.30	1.69
				15	58	3.68	1.89
				16	115	22.00	1.45
				17	107	23.00	1.88
				18	86	14.00	2.20
			ORANGESPOTTED SUNFISH	1	93	18.00	2.24
				2	95	19.00	2.22
				3	96	20.00	2.26
				4	91	11.00	1.46
				5	83	10.00	1.75
				6	92	13.00	1.67
				7	93	14.00	1.74
				8	82	8.00	1.45
				9	60	3.21	1.49
				10	74	5.83	1.44
				11	80	8.51	1.66
				12	75	7.46	1.77
				13	62	3.41	1.43
				14	50	1.64	1.31
			BLUEGILL	1	84	9.61	1.62
			LONGEAR SUNFISH	1	134	60.00	2.49
				2	111	33.00	2.41
				3	125	40.00	2.05
				4	137	30.00	1.17
				5	128	43.00	2.05
				6	106	28.00	2.35
				7	91	14.09	1.87
				8	75	7.59	1.80
				9	69	5.37	1.63
				10	56	2.90	1.65
				11	52	2.26	1.61
			SMALLMOUTH BASS	1	61	2.69	1.19
				2	126	27.00	1.35
				3	211	102.00	1.09
			LARGEMOUTH BASS	1	191	90.00	1.29
				2	135	32.00	1.30
				3	256	230.00	1.37
				4	137	35.00	1.36
				5	137	25.00	0.97

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	A	08 04 87	LARGEMOUTH BASS	6	71	4.44	1.24
				7	72	4.61	1.24
	B	08 07 87	GIZZARD SHAD	1	232	148.00	1.19
				2	227	128.00	1.09
				3	280	228.00	1.04
				4	131	22.00	0.98
				5	125	21.00	1.08
				6	213	108.00	1.12
				7	248	160.00	1.05
				8	223	118.00	1.06
				9	256	168.00	1.00
				10	218	120.00	1.16
				11	234	135.00	1.05
				12	225	130.00	1.14
				13	221	122.00	1.13
				14	138	28.00	1.07
				15	148	33.00	1.02
				16	96	8.00	0.90
				17	93	9.19	1.14
			18	97	10.32	1.13	
			19	93	10.13	1.26	
			1	272	345.00	1.71	
		CARP	2	256	265.00	1.58	
			3	334	605.00	1.62	
			1	111	12.00	0.88	
		GOLDEN SHINER	2	96	6.00	0.68	
			3	104	9.06	0.81	
			1	55	1.04	0.63	
		ROSYFACE SHINER	2	53	0.93	0.62	
			1	50	1.15	0.92	
		SPOTFIN SHINER	1	51	1.15	0.87	
		SAND SHINER	2	50	0.95	0.76	
			3	47	1.00	0.96	
			1	69	4.04	1.23	
		BLUNTNOSE MINNOW	2	65	2.65	0.96	
			3	57	1.58	0.85	
			4	69	3.48	1.06	
			1	55	1.54	0.93	
		BULLHEAD MINNOW	2	50	1.14	0.91	
			1	211	97.00	1.03	
		GOLDEN REDHORSE	2	131	21.00	0.93	
			3	127	20.87	1.02	
			1	86	6.47	1.02	
		YELLOW BASS	1	160	80.00	1.95	
		ROCK BASS	2	159	171.00	4.25	
			3	176	100.00	1.83	
			4	183	106.00	1.73	
			5	118	28.00	1.70	
			6	180	115.00	1.97	
			7	160	72.00	1.76	
			8	136	46.00	1.83	
			9	172	95.00	1.87	
			10	160	74.00	1.81	
			11	153	64.00	1.79	
			12	78	8.21	1.73	
			1	104	22.00	1.96	
		GREEN SUNFISH	2	113	26.00	1.80	
			3	120	32.00	1.85	
			4	151	68.00	1.98	
			5	136	42.00	1.67	
			6	116	32.00	2.05	
			7	148	62.00	1.91	
			1	89	13.00	1.84	
		ORANGESPOTTED SUNFISH	2	76	7.00	1.59	
			3	59	2.95	1.44	
			1	81	7.37	1.39	
		BLUEGILL	1	101	20.00	1.94	
		LONGEAR SUNFISH	2	112	28.00	1.99	
			3	125	38.00	1.95	
			4	68	5.40	1.72	
			5	70	6.42	1.87	
			1	242	168.00	1.19	
		SMALLMOUTH BASS					

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
5L	B	08 07 87	SMALLMOUTH BASS	2	160	49.00	1.20	
				3	207	102.00	1.15	
				4	126	25.00	1.25	
				5	150	35.00	1.04	
				1	176	70.00	1.28	
	LARGEMOUTH BASS	2	93	10.01	1.24			
		3	87	9.64	1.46			
	C	08 10 87	BOWFIN GIZZARD SHAD	4	86	8.05	1.27	
				1	400	680.00	1.06	
				1	191	244.00	3.50	
				2	218	87.00	0.84	
				3	282	219.00	0.98	
				4	270	173.00	0.88	
				5	238	165.00	1.22	
				6	223	121.00	1.09	
				7	215	80.00	0.80	
				8	249	175.00	1.13	
9				232	122.00	0.98		
10				143	33.00	1.13		
CARP				11	128	24.00	1.14	
				12	223	110.00	0.99	
				13	219	109.00	1.04	
				14	230	127.00	1.04	
				15	233	143.00	1.13	
				16	109	10.00	0.77	
				17	96	10.00	1.13	
				1	180	87.00	1.49	
				GOLDEN SHINER	1	92	5.78	0.74
				ROSYFACE SHINER	1	85	4.10	0.67
				SPOTFIN SHINER	1	68	2.81	0.89
					2	71	3.24	0.91
					3	65	1.81	0.66
					4	57	1.84	0.99
					5	53	1.52	1.02
	6	48	0.83	0.75				
	7	75	4.70	1.11				
	8	54	1.37	0.87				
	9	41	0.52	0.75				
BLUNTNOSE MINNOW	1	74	3.82	0.94				
	2	70	3.29	0.96				
	3	62	1.90	0.80				
BULLHEAD MINNOW	1	58	1.58	0.81				
	2	50	0.82	0.66				
QUILLBACK	1	88	8.70	1.28				
GOLDEN REDHORSE	1	226	121.00	1.05				
	2	205	92.00	1.07				
	3	228	123.00	1.04				
	4	142	29.00	1.01				
	5	130	21.00	0.96				
YELLOW BASS	1	79	5.68	1.15				
ROCK BASS	1	172	90.00	1.77				
	2	172	105.00	2.06				
	3	160	72.00	1.76				
	4	166	81.00	1.77				
	5	136	45.00	1.79				
	6	220	230.00	2.16				
	7	160	73.00	1.78				
	8	159	76.00	1.89				
	9	186	127.00	1.97				
	10	130	40.00	1.82				
	11	166	77.00	1.68				
GREEN SUNFISH	1	150	54.00	1.60				
	2	109	20.00	1.54				
	3	173	102.00	1.97				
	4	90	12.00	1.65				
	5	35	0.59	1.38				
ORANGESPOTTED SUNFISH	1	66	14.00	4.87				
BLUEGILL	1	106	19.00	1.60				
	2	90	12.00	1.65				
	3	90	13.00	1.78				
	4	52	1.87	1.33				
LONGEAR SUNFISH	1	109	26.00	2.01				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
5L	C	08 10 87	LONGEAR SUNFISH	2	130	40.00	1.82			
				3	106	23.00	1.93			
				4	56	3.05	1.74			
			SMALLMOUTH BASS	1	196	78.00	1.04			
				2	180	53.00	0.91			
				3	136	27.00	1.07			
				4	64	3.08	1.17			
				LARGEMOUTH BASS	1	190	92.00	1.34		
					1	230	139.00	1.14		
				WHITE CRAPPIE	1	423	785.00	1.04		
					1	244	182.00	1.25		
				BOWFIN	2	244	165.00	1.14		
					3	240	160.00	1.16		
			GIZZARD SHAD	4	235	150.00	1.16			
				5	225	125.00	1.10			
			D	08 13 87			6	256	190.00	1.13
							7	220	115.00	1.08
							8	140	40.00	1.46
							9	289	280.00	1.16
							10	285	230.00	0.99
							11	238	175.00	1.30
							12	284	263.00	1.15
							13	287	250.00	1.06
							14	224	130.00	1.16
							15	241	180.00	1.29
							16	239	165.00	1.21
							17	224	120.00	1.07
							18	230	135.00	1.11
							19	220	125.00	1.17
							20	200	90.00	1.13
							21	141	42.00	1.50
							22	144	42.00	1.41
23	128	30.00					1.43			
24	230	140.00					1.15			
25	116	13.00					0.83			
26	232	115.00	0.92							
27	235	107.00	0.82							
28	120	16.00	0.93							
29	144	30.00	1.00							
30	130	26.00	1.18							
31	95	9.00	1.05							
32	141	25.00	0.89							
SPOTFIN SHINER	1	66	2.82	0.98						
	2	59	2.02	0.98						
	3	54	1.42	0.90						
BLUNTNOSE MINNOW	1	73	4.40	1.13						
	2	65	2.89	1.05						
BULLHEAD MINNOW	1	59	1.93	0.94						
	2	53	1.34	0.90						
	3	48	0.92	0.83						
	4	33	0.26	0.72						
QUILLBACK	1	405	970.00	1.46						
	2	373	575.00	1.11						
GOLDEN REDHORSE	1	248	185.00	1.21						
	2	239	220.00	1.61						
	3	222	130.00	1.19						
	4	205	105.00	1.22						
	5	144	29.00	0.97						
	6	140	27.00	0.98						
BROOK SILVERSIDE	1	60	0.83	0.38						
	1	160	79.00	1.93						
ROCK BASS	2	170	102.00	2.08						
	3	166	93.00	2.03						
	4	157	66.00	1.71						
	5	141	54.00	1.93						
	6	155	75.00	2.01						
	1	60	3.13	1.47						
ORANGESPOTTED SUNFISH	1	106	21.00	1.76						
	2	85	7.00	1.14						
	3	83	11.00	1.92						
	4	82	9.00	1.63						
	5	69	4.93	1.50						

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
5L	D	08 13 87	LONGEAR SUNFISH	1	105	23.00	1.99			
			SMALLMOUTH BASS	1	190	73.00	1.06			
			LARGEMOUTH BASS	1	190	84.00	1.22			
				2	90	8.71	1.19			
				3	90	8.39	1.15			
				4	87	7.97	1.21			
				5	84	7.75	1.31			
				1	74	3.23	0.80			
			5R	A	08 04 87	LOGPERCH	1	148	5.00	0.15
						LONGNOSE GAR	1	127	23.00	1.12
GIZZARD SHAD	1	72				3.66	0.98			
SPOTFIN SHINER	2	62				2.47	1.04			
	3	52				1.50	1.07			
	4	47				0.91	0.88			
	5	45				0.86	0.94			
SAND SHINER	1	45				0.95	1.04			
	2	44				0.84	0.99			
	3	46				0.96	0.99			
	4	48	1.06	0.96						
	5	47	1.01	0.97						
	6	45	0.71	0.78						
	7	43	0.66	0.83						
	1	42	0.69	0.93						
	1	63	2.63	1.05						
	2	48	1.08	0.98						
	3	46	0.85	0.87						
	4	49	0.93	0.79						
	5	48	1.19	1.08						
	6	47	1.04	1.00						
	7	45	0.87	0.95						
	8	47	1.01	0.97						
	1	52	1.27	0.90						
	2	47	1.12	1.08						
	1	344	600.00	1.47						
	2	365	545.00	1.12						
	1	67	2.96	0.98						
	2	59	2.13	1.04						
	3	56	1.79	1.02						
	4	51	1.46	1.10						
	1	86	10.00	1.57						
	1	110	28.00	2.10						
	2	105	22.00	1.90						
	3	114	33.00	2.23						
	4	110	31.00	2.33						
	5	95	17.00	1.98						
	6	71	6.20	1.73						
	7	53	2.53	1.70						
	8	69	6.92	2.11						
	1	73	4.64	1.19						
B	08 07 87	LARGEMOUTH BASS	1	264	201.00	1.09				
		GIZZARD SHAD	2	291	247.00	1.00				
			3	270	195.00	0.99				
			4	252	168.00	1.05				
			5	137	22.00	0.86				
		SPOTFIN SHINER	1	64	2.71	1.03				
		LONGEAR SUNFISH	1	112	31.00	2.21				
			2	109	27.00	2.08				
			3	106	27.00	2.27				
			4	98	13.00	1.38				
	5	87	8.00	1.21						
	6	71	6.67	1.86						
	7	67	5.79	1.93						
	8	64	4.27	1.63						
	9	60	3.67	1.70						
	10	57	2.93	1.58						
	11	54	2.33	1.48						
	12	46	1.54	1.58						
	1	80	6.16	1.20						
	2	76	5.16	1.18						
C	08 10 87	LOGPERCH	1	60	1.52	0.70				
		LONGNOSE GAR	1	401	113.00	0.18				
		GIZZARD SHAD	1	235	118.00	0.91				

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	C	08 10 87	GIZZARD SHAD	2	280	245.00	1.12
				3	215	118.00	1.19
				4	133	32.00	1.36
				5	140	27.00	0.98
				6	130	28.00	1.27
				7	138	25.00	0.95
				8	145	30.00	0.98
				1	65	2.57	0.94
			SPOTFIN SHINER	2	16	0.01	0.24
				1	55	1.33	0.80
			BULLHEAD MINNOW	1	101	20.00	1.94
			STONECAT	1	148	60.00	1.85
			ROCK BASS	2	115	30.00	1.97
			ORANGESPOTTED SUNFISH	1	84	14.00	2.36
			LONGEAR SUNFISH	1	109	33.00	2.55
				2	67	5.03	1.67
				3	56	3.08	1.75
				4	58	3.31	1.70
			LARGEMOUTH BASS	1	96	9.00	1.02
				2	70	3.65	1.06
D	08 13 87	GIZZARD SHAD	1	232	140.00	1.12	
			2	141	13.00	0.46	
			3	95	12.00	1.40	
			4	104	10.00	0.89	
			1	37	0.36	0.71	
			SAND SHINER	1	21	0.02	0.22
			BLUNTNOSE MINNOW	1	410	875.00	1.27
			QUILLBACK	1	375	560.00	1.06
			GOLDEN REDHORSE	1	104	23.00	2.04
			BLUEGILL	2	87	15.00	2.28
			LONGEAR SUNFISH	1	80	13.00	2.54
				2	94	14.00	1.69
				3	70	7.00	2.04
				4	103	26.00	2.38
				5	105	24.00	2.07
				6	79	10.00	2.03
				7	73	10.00	2.57
				8	69	5.90	1.80
				9	65	4.29	1.56
			SMALLMOUTH BASS	1	176	68.00	1.25
2	189	78.00		1.16			
	3	171	63.00	1.26			
6L	A	08 04 87	GIZZARD SHAD	1	122	29.00	1.60
				2	105	19.00	1.64
				3	110	15.00	1.13
				4	118	26.00	1.58
				5	122	20.97	1.15
			SPOTFIN SHINER	6	85	6.61	1.08
				1	76	5.18	1.18
				2	69	3.55	1.08
				3	60	2.09	0.97
				4	50	1.16	0.93
				5	55	1.19	0.72
				6	57	1.69	0.91
				7	47	0.87	0.84
				8	49	1.12	0.95
				9	51	1.32	1.00
			MIMIC SHINER	10	53	1.18	0.79
				11	39	0.49	0.83
				1	65	2.29	0.83
				2	49	0.89	0.76
				3	42	0.54	0.73
BLUNTNOSE MINNOW	1	58	1.76	0.90			
	1	407	830.00	1.23			
QUILLBACK	2	388	680.00	1.16			
	3	371	650.00	1.27			
	4	367	620.00	1.25			
NORTHERN HOGSUCKER	1	380	565.00	1.03			
RIVER REDHORSE	1	243	145.00	1.01			
GOLDEN REDHORSE	1	365	625.00	1.29			
	2	221	106.00	0.98			
	3	156	40.00	1.05			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
6L	A	08 04 87	GOLDEN REDHORSE	4	165	46.00	1.02			
				5	163	43.00	0.99			
				6	136	35.00	1.39			
				7	147	39.00	1.23			
				8	125	30.00	1.54			
				9	140	39.00	1.42			
				10	136	32.00	1.27			
				1	76	2.09	0.48			
				2	58	0.91	0.47			
				ROCK BASS	1	236	272.00	2.07		
			2		225	236.00	2.07			
			3		164	89.00	2.02			
			4		190	118.00	1.72			
			5		170	90.00	1.83			
			6		119	36.00	2.14			
			GREEN SUNFISH	1	40	1.12	1.75			
				1	100	40.00	4.00			
			LONGEAR SUNFISH	2	125	42.00	2.15			
				3	111	35.00	2.56			
			SMALLMOUTH BASS	4	55	3.36	2.02			
				1	210	114.00	1.23			
				2	253	183.00	1.13			
				3	223	145.00	1.31			
				4	187	81.00	1.24			
				5	132	24.00	1.04			
			LARGEMOUTH BASS	6	133	30.00	1.28			
				1	75	4.64	1.10			
			B	08 07 87	STRIPED SHINER	1	49	0.98	0.83	
						2	39	0.47	0.79	
						3	44	0.62	0.73	
						4	45	0.67	0.74	
						5	40	0.53	0.83	
						6	43	0.61	0.77	
						7	37	0.45	0.89	
						8	33	0.27	0.75	
						SPOTFIN SHINER	1	50	1.18	0.94
							2	52	1.47	1.05
					3		49	0.96	0.82	
					4		48	1.05	0.95	
					5		50	1.17	0.94	
					6		48	0.87	0.79	
					7		46	0.86	0.88	
8	44	0.71			0.83					
REDFIN SHINER	9	39			0.46	0.78				
	1	47			0.86	0.83				
MIMIC SHINER	1	45			0.56	0.61				
	2	40			0.44	0.69				
RIVER REDHORSE	1	216			118.00	1.17				
	1	140			26.00	0.95				
GOLDEN REDHORSE	2	148			35.00	1.08				
	3	405			660.00	0.99				
	4	132			22.00	0.96				
	5	142			30.00	1.05				
	6	140			26.00	0.95				
	7	133			27.00	1.15				
	8	126			24.00	1.20				
	9	143			30.00	1.03				
	10	150			36.00	1.07				
	ROCK BASS	1			278	440.00	2.05			
2		160			80.00	1.95				
3		110			25.00	1.88				
4		210			185.00	2.00				
LONGEAR SUNFISH	5	192			152.00	2.15				
	1	125			41.00	2.10				
SMALLMOUTH BASS	1	165			51.00	1.14				
	2	336			475.00	1.25				
	3	260			205.00	1.17				
	4	272			255.00	1.27				
	5	160			52.00	1.27				
	6	171	55.00	1.10						
	7	174	55.00	1.04						
	8	185	68.00	1.07						

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
6L	B	08 07 87	SMALLMOUTH BASS	9	114	135.00	9.11
				10	160	48.00	1.17
				11	125	22.00	1.13
	C	08 10 87	LOGPERCH	1	71	3.21	0.90
			NORTHERN PIKE	1	560	950.00	0.54
			SPOTFIN SHINER	1	54	1.53	0.97
				2	53	1.26	0.85
			QUILLBACK	1	380	720.00	1.31
			NORTHERN HOGSUCKER	1	270	200.00	1.02
				2	245	175.00	1.19
				3	220	110.00	1.03
			RIVER REDHORSE	1	252	185.00	1.16
				2	245	175.00	1.19
			GOLDEN REDHORSE	1	405	705.00	1.06
				2	395	715.00	1.16
				3	366	530.00	1.08
	4	260	200.00	1.14			
	5	206	99.00	1.13			
	6	239	155.00	1.14			
	7	211	101.00	1.08			
	8	221	116.00	1.07			
	9	146	31.00	1.00			
	10	274	235.00	1.14			
	11	257	195.00	1.15			
	12	140	33.00	1.20			
	13	145	30.00	0.98			
	14	140	29.00	1.06			
	15	140	30.00	1.09			
	16	155	39.00	1.05			
		SHORTHEAD REDHORSE	1	172	56.00	1.10	
		BROOK SILVERSIDE	1	92	2.84	0.36	
		ROCK BASS	1	198	172.00	2.22	
			2	165	83.00	1.85	
			3	215	218.00	2.19	
			4	200	131.00	1.64	
			5	216	234.00	2.32	
			6	142	49.00	1.71	
			7	150	65.00	1.93	
			8	125	34.00	1.74	
		SMALLMOUTH BASS	1	349	500.00	1.18	
			2	270	282.00	1.43	
			3	110	13.00	0.98	
D	08 13 87	GIZZARD SHAD	1	300	280.00	1.04	
			2	258	180.00	1.05	
		ROSYFACE SHINER	1	65	1.84	0.67	
			2	62	1.53	0.64	
			3	51	0.90	0.68	
			4	53	0.92	0.62	
			5	48	0.64	0.58	
		MIMIC SHINER	1	46	0.62	0.64	
			1	51	1.19	0.90	
		BLUNTNOSE MINNOW	1	48	0.88	0.80	
		QUILLBACK	1	385	830.00	1.45	
		RIVER REDHORSE	1	227	137.00	1.17	
			2	255	184.00	1.11	
			3	257	192.00	1.13	
			4	250	182.00	1.16	
			5	241	157.00	1.12	
			6	240	167.00	1.21	
			7	228	134.00	1.13	
		GOLDEN REDHORSE	1	277	235.00	1.11	
			2	277	260.00	1.22	
			3	230	127.00	1.04	
			4	140	30.00	1.09	
			5	162	43.00	1.01	
			6	195	81.00	1.09	
	7	221	113.00	1.05			
	8	220	109.00	1.02			
	9	144	29.00	0.97			
	10	244	165.00	1.14			
	11	142	33.00	1.15			
	12	143	29.00	0.99			

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
6L	D	08 13 87	GOLDEN REDHORSE	13	150	32.00	0.95			
				14	138	30.00	1.14			
				15	144	31.00	1.04			
				16	146	33.00	1.06			
				17	350	500.00	1.17			
				18	357	465.00	1.02			
				19	130	26.00	1.18			
				20	76	4.43	1.01			
				1	694	3648.00	1.09			
				1	208	200.00	2.22			
				2	169	109.00	2.26			
				3	157	70.00	1.81			
				4	129	33.00	1.54			
				5	145	58.00	1.90			
				6	165	82.00	1.83			
				ORANGESPOTTED SUNFISH	1	92	8.00	1.03		
			2		88	13.00	1.91			
			3		97	15.00	1.64			
			BLUEGILL	1	73	5.96	1.53			
			2	26	0.27	1.54				
			LONGEAR SUNFISH	1	71	6.72	1.88			
				2	67	5.56	1.85			
			3	69	5.83	1.77				
			4	66	4.79	1.67				
			SMALLMOUTH BASS	1	330	460.00	1.28			
				2	331	590.00	1.63			
				3	246	176.00	1.18			
				4	247	210.00	1.39			
				5	180	70.00	1.20			
				6	227	133.00	1.14			
				7	240	200.00	1.45			
				8	211	114.00	1.21			
				9	176	62.00	1.14			
				10	195	78.00	1.05			
				11	174	51.00	0.97			
				12	167	53.00	1.14			
			13	315	440.00	1.41				
			14	370	650.00	1.28				
			15	310	350.00	1.17				
			16	175	62.00	1.16				
			6R	A	08 04 87	LARGEMOUTH BASS	1	161	49.00	1.17
						SPOTFIN SHINER	1	55	1.38	0.83
						QUILLBACK	1	415	780.00	1.09
						ROCK BASS	1	130	31.00	1.41
						LONGEAR SUNFISH	1	109	30.00	2.32
				SMALLMOUTH BASS	1	216	112.00	1.11		
				2	195	72.00	0.97			
				3	81	5.00	0.94			
				B	08 07 87	GIZZARD SHAD	1	218	107.00	1.03
						SPOTFIN SHINER	1	56	1.62	0.92
			GOLDEN REDHORSE			1	369	550.00	1.09	
			ROCK BASS			1	150	68.00	2.01	
			2			141	30.00	1.07		
3	136	42.00	1.67							
4	121	27.00	1.52							
GREEN SUNFISH	1	140	45.00	1.64						
SMALLMOUTH BASS	1	186	81.00	1.26						
2	197	80.00	1.05							
C	08 10 87	ROSYFACE SHINER	1	85	4.66	0.76				
		SPOTFIN SHINER	1	60	1.84	0.85				
		2	50	1.05	0.84					
		3	55	1.25	0.75					
		4	43	0.54	0.68					
		5	57	1.53	0.83					
		1	53	1.25	0.84					
	BLUNTNOSE MINNOW	1	367	550.00	1.11					
	QUILLBACK	2	221	155.00	1.44					
	RIVER REDHORSE	1	245	160.00	1.09					
	GOLDEN REDHORSE	1	356	510.00	1.13					
	ROCK BASS	1	150	68.00	2.01					
	2	112	23.00	1.64						
	3	120	27.00	1.56						

APPENDIX C-1. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY ELECTROFISHING DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL		
6R	C	08 10 87	LONGEAR SUNFISH	1	108	31.00	2.46		
				2	94	15.00	1.81		
				3	82	9.00	1.63		
				4	57	3.26	1.76		
	D	08 13 87	SMALLMOUTH BASS	1	184	76.00	1.22		
				2	225	137.00	1.20		
				3	145	35.00	1.15		
				1	136	52.00	2.07		
				1	69	3.46	1.05		
				1	69	3.19	0.97		
D	08 13 87	BLUNTNONE MINNOW	2	50	1.45	1.16			
			1	421	925.00	1.24			
			1	232	135.00	1.08			
			1	345	500.00	1.22			
			1	120	37.00	2.14			
			2	120	30.00	1.74			
			3	114	28.00	1.89			
			4	50	2.11	1.69			
			1	96	23.00	2.60			
			2	97	20.00	2.19			
			3	87	15.00	2.28			
			4	91	18.00	2.39			
			5	71	7.00	1.96			
			6	65	4.48	1.63			
			7	58	3.64	1.87			
			8	57	3.08	1.66			
			9	54	2.66	1.69			
			D	08 13 87	SMALLMOUTH BASS	1	211	103.00	1.10
						2	180	58.00	0.99
						3	65	3.13	1.14

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
 DURING AUGUST 1987.

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
1L	A	08 03 87	SPOTFIN SHINER	1	48	1.00	0.90				
				2	44	0.84	0.99				
				3	42	0.75	1.01				
				4	44	0.78	0.92				
				5	42	0.79	1.07				
				6	40	0.63	0.98				
				7	43	0.72	0.91				
				8	42	0.72	0.97				
				9	40	0.56	0.87				
				10	43	0.71	0.89				
				11	40	0.55	0.86				
				12	43	0.70	0.88				
				13	41	0.67	0.97				
				14	40	0.57	0.89				
				15	38	0.51	0.93				
			BLUNTNOSE MINNOW	16	21	0.13	1.40				
				1	46	0.99	1.02				
				1	25	0.14	0.90				
				1	101	23.55	2.29				
				2	92	13.52	1.74				
				3	65	5.32	1.94				
				4	61	4.39	1.93				
				B			STRIPED SHINER	1	18	0.02	0.34
								2	17	0.01	0.20
								1	16	0.01	0.24
							SPOTFIN SHINER	2	16	0.01	0.24
								3	16	0.01	0.24
								1	16	0.02	0.49
				C	08 11 87		SPOTFIN SHINER	1	51	1.32	1.00
								2	47	1.01	0.97
3	42	0.57	0.77								
		SAND SHINER	1					45	0.76	0.83	
			1					51	1.18	0.89	
		BLUNTNOSE MINNOW	2					52	1.17	0.83	
			1					102	23.49	2.21	
		LONGEAR SUNFISH	2					85	13.36	2.18	
			1					126	18.27	0.91	
D	08 11 87		GIZZARD SHAD					1	48	0.96	0.87
								2	50	1.10	0.88
								3	45	0.82	0.90
								4	43	0.62	0.78
								5	32	0.27	0.82
								6	39	0.46	0.78
				7	32	0.27	0.82				
				8	31	0.26	0.87				
				9	34	0.30	0.76				
				10	32	0.27	0.82				
				11	31	0.26	0.87				
				12	30	0.21	0.78				
				13	26	0.14	0.80				
				14	28	0.16	0.73				
				15	29	0.17	0.70				
16	27	0.17	0.86								
17	26	0.16	0.91								
			SAND SHINER	1	46	0.82	0.84				
				2	48	0.87	0.79				
				3	41	0.55	0.80				
				4	25	0.12	0.77				
				5	22	0.10	0.94				
				6	23	0.11	0.90				
				7	21	0.09	0.97				
				8	21	0.02	0.22				
							REDFIN SHINER	1	47	0.90	0.87
								2	47	0.77	0.74
								3	40	0.54	0.84
				4	29	0.19	0.78				
							BLUNTNOSE MINNOW	1	16	0.03	0.73
								1	19	0.08	1.17
								1	124	50.91	2.67
			BLUEGILL	2	108	25.54	2.03				
				3	95	17.78	2.07				
			LONGEAR SUNFISH	1	99	10.50	1.08				
				1	99	10.50	1.08				
			LARGEMOUTH BASS	1	99	10.50	1.08				
				1	99	10.50	1.08				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1L	D	08 11 87	LARGEMOUTH BASS	2	87	7.18	1.09
				3	71	3.76	1.05
1R	A	08 03 87	SPOTFIN SHINER	1	43	0.51	0.64
			BLUNTNOSE MINNOW	1	61	2.58	1.14
				2	164	2.44	0.06
				3	45	0.61	0.67
			LONGEAR SUNFISH	1	71	7.36	2.06
			SMALLMOUTH BASS	1	175	56.59	1.06
			JOHNNY DARTER	1	35	0.24	0.56
	B		HORNYHEAD CHUB	1	39	0.57	0.96
				2	41	0.70	1.02
			STRIPED SHINER	1	35	0.34	0.79
			SPOTFIN SHINER	1	45	0.80	0.88
				2	43	0.69	0.87
				3	49	0.98	0.83
				4	43	0.63	0.79
			SAND SHINER	1	47	0.87	0.84
				2	54	1.30	0.83
				3	46	0.72	0.74
				4	48	0.83	0.75
				5	47	0.91	0.88
				6	47	0.91	0.88
				7	45	0.72	0.79
				8	45	0.75	0.82
				9	43	0.59	0.74
				10	49	0.93	0.79
				11	41	0.54	0.78
				12	41	0.50	0.73
				13	47	0.86	0.83
				14	44	0.64	0.75
			MIMIC SHINER	1	46	0.66	0.68
				2	46	0.74	0.76
				3	43	0.60	0.75
				4	47	0.75	0.72
				5	45	0.74	0.81
				6	47	0.80	0.77
				7	43	0.47	0.59
				8	43	0.49	0.62
				9	45	0.62	0.68
				10	44	0.62	0.73
			BLUNTNOSE MINNOW	1	50	1.30	1.04
				2	51	1.14	0.86
				3	55	1.46	0.88
				4	50	1.09	0.87
				5	50	1.07	0.86
				6	49	1.10	0.93
				7	46	0.88	0.90
			BULLHEAD MINNOW	1	51	1.25	0.94
			LONGEAR SUNFISH	1	123	38.70	2.08
				2	111	28.32	2.07
				3	89	15.68	2.22
				4	58	3.18	1.63
			JOHNNY DARTER	1	49	0.83	0.71
				2	34	0.28	0.71
	C	08 11 87	SPOTFIN SHINER	1	47	0.91	0.88
				2	52	1.49	1.06
				3	36	0.39	0.84
				4	37	0.41	0.81
				5	31	0.22	0.74
				6	33	0.29	0.81
				7	31	0.27	0.91
				8	29	0.18	0.74
				9	26	0.14	0.80
				10	26	0.17	0.97
				11	22	0.13	1.22
				12	19	0.09	1.31
				13	19	0.09	1.31
				14	18	0.05	0.86
			SAND SHINER	1	49	0.96	0.82
			MIMIC SHINER	1	44	0.60	0.70
				2	43	0.60	0.75
				3	48	0.71	0.64

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	C	08 11 87	BLUNTNOSE MINNOW	1	58	1.89	0.97
				2	53	1.52	1.02
				3	60	2.07	0.96
				4	54	1.47	0.93
				5	55	1.22	0.73
				6	56	1.64	0.93
				7	57	1.72	0.93
				8	51	1.12	0.84
				9	54	1.32	0.84
				10	53	1.29	0.87
				11	50	0.96	0.77
				12	58	1.67	0.86
				13	52	1.18	0.84
				14	48	0.89	0.80
				15	45	0.70	0.77
				16	55	1.54	0.93
D			BULLHEAD MINNOW	1	52	1.15	0.82
			BLUEGILL	1	23	0.10	0.82
			LONGEAR SUNFISH	1	78	9.29	1.96
			JOHNNY DARTER	1	44	0.65	0.76
				2	40	0.47	0.73
				3	35	0.30	0.70
			LOGPERCH	1	59	1.46	0.71
			GRASS PICKEREL	1	140	14.53	0.53
			SPOTFIN SHINER	1	39	0.42	0.71
				2	28	0.21	0.96
				3	24	0.16	1.16
				4	20	0.13	1.62
				5	23	0.12	0.99
				6	25	0.15	0.96
				7	27	0.15	0.76
				8	22	0.14	1.31
				9	24	0.12	0.87
				10	19	0.08	1.17
				11	23	0.11	0.90
				12	21	0.10	1.08
				13	21	0.11	1.19
				14	20	0.10	1.25
				15	18	0.08	1.37
				16	16	0.07	1.71
				1	44	0.66	0.77
			SAND SHINER	1	45	0.66	0.72
			MIMIC SHINER	2	48	0.88	0.80
				3	46	0.83	0.85
				4	51	1.15	0.87
				5	44	0.64	0.75
				6	45	0.72	0.79
				7	40	0.52	0.81
				8	41	0.56	0.81
				9	43	0.67	0.84
				10	45	0.81	0.89
				11	43	0.64	0.80
BLUNTNOSE MINNOW	1	61	2.31	1.02			
	2	52	1.28	0.91			
	3	52	1.27	0.90			
	4	48	1.13	1.02			
	5	59	1.90	0.93			
	6	52	1.29	0.92			
	7	49	1.30	1.10			
	8	48	0.95	0.86			
	9	55	1.57	0.94			
	10	50	1.26	1.01			
	11	51	1.18	0.89			
	12	49	1.21	1.03			
	13	45	0.70	0.77			
	14	50	1.13	0.90			
	15	51	1.21	0.91			
	16	28	0.20	0.91			
	17	20	0.08	1.00			
BULLHEAD MINNOW	1	35	0.37	0.86			
JOHNNY DARTER	2	27	0.22	1.12			
	1	39	0.42	0.71			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
1R	D	08 11 87	JOHNNY DARTER	2	39	0.43	0.72
				3	34	0.35	0.89
			BLACKSIDE DARTER	1	56	1.29	0.73
2	A	08 03 87	SILVERJAW MINNOW	1	38	0.38	0.69
			SPOTFIN SHINER	1	47	0.94	0.91
				2	50	1.07	0.86
				3	58	1.72	0.88
				4	49	0.85	0.72
				5	52	1.07	0.76
				6	49	0.96	0.82
				7	42	0.60	0.81
				8	47	0.76	0.73
				9	46	0.68	0.70
				10	44	0.60	0.70
				11	47	0.83	0.80
				12	45	0.76	0.83
				13	43	0.62	0.78
				14	42	0.61	0.82
				15	45	0.68	0.75
				16	38	0.43	0.78
				17	42	0.56	0.76
				18	39	0.44	0.74
				19	43	0.56	0.70
				20	42	0.52	0.70
				21	38	0.39	0.71
				22	42	0.48	0.65
				23	42	0.46	0.62
				24	40	0.46	0.72
				25	38	0.37	0.67
				26	36	0.33	0.71
				27	39	0.42	0.71
				28	35	0.30	0.70
				29	37	0.31	0.61
				30	37	0.32	0.63
				31	39	0.40	0.67
				32	36	0.32	0.69
				33	16	0.01	0.24
			SAND SHINER	1	42	0.53	0.72
				2	41	0.56	0.81
			REDFIN SHINER	1	45	0.66	0.72
			BLUNTNOSE MINNOW	1	67	3.08	1.02
				2	60	1.84	0.85
				3	49	0.99	0.84
				4	46	0.82	0.84
				5	58	1.62	0.83
				6	50	0.97	0.78
				7	45	0.76	0.83
				8	48	0.90	0.81
				9	46	0.80	0.82
				10	54	1.38	0.88
				11	49	0.99	0.84
				12	48	0.90	0.81
				13	49	1.04	0.88
				14	48	0.94	0.85
				15	50	1.00	0.80
				16	47	0.93	0.90
				17	49	0.86	0.73
				18	51	1.16	0.87
				19	52	1.03	0.73
				20	48	0.92	0.83
				21	51	0.96	0.72
				22	53	1.42	0.95
				23	53	1.19	0.80
				24	50	1.11	0.89
				25	50	0.87	0.70
				26	52	1.03	0.73
				27	49	1.01	0.86
				28	47	0.91	0.88
				29	53	1.16	0.78
				30	49	1.00	0.85
				31	47	0.80	0.77
				32	46	0.92	0.95

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
2	A	08 03 87	BLUNTNOSE MINNOW	33	47	0.88	0.85				
				34	49	1.03	0.88				
				35	50	0.97	0.78				
				36	53	1.26	0.85				
				37	52	1.11	0.79				
				38	52	1.20	0.85				
				39	47	0.84	0.81				
				40	50	1.11	0.89				
				41	47	0.77	0.74				
				42	49	0.98	0.83				
				43	45	0.82	0.90				
				44	44	0.61	0.72				
				45	46	0.77	0.79				
				46	46	0.80	0.82				
				47	47	0.87	0.84				
				48	45	0.66	0.72				
				49	48	0.98	0.89				
				50	47	0.73	0.70				
				51	48	0.86	0.78				
				52	44	0.67	0.79				
				53	45	0.71	0.78				
				54	44	0.62	0.73				
				55	35	0.28	0.65				
				56	29	0.15	0.62				
				57	30	0.16	0.59				
				58	28	0.12	0.55				
				59	26	0.07	0.40				
				60	24	0.06	0.43				
				61	25	0.07	0.45				
				62	25	0.07	0.45				
				63	23	0.05	0.41				
				64	22	0.02	0.19				
				65	15	0.01	0.30				
							BULLHEAD MINNOW	1	22	0.09	0.85
							GOLDEN REDHORSE	1	46	0.94	0.97
							GREEN SUNFISH	1	52	2.28	1.62
								2	33	0.56	1.56
								3	26	0.28	1.59
							BLUEGILL	1	40	0.85	1.33
								2	35	0.57	1.33
							LONGEAR SUNFISH	1	100	20.00	2.00
								2	96	17.21	1.95
								3	76	8.73	1.99
								4	61	4.03	1.78
								5	60	3.51	1.62
								6	65	4.56	1.66
								7	55	2.78	1.67
								8	52	2.48	1.76
								9	46	1.55	1.59
								10	51	2.00	1.51
								11	44	1.24	1.46
							LARGEMOUTH BASS	1	82	6.48	1.18
								2	66	3.24	1.13
							JOHNNY DARTER	1	40	0.39	0.61
								2	40	0.38	0.59
								3	41	0.49	0.71
								4	36	0.29	0.62
								5	43	0.48	0.60
							LOGPERCH	1	59	1.56	0.76
							BLACKSIDE DARTER	1	54	1.20	0.76
							SILVERJAW MINNOW	1	35	0.23	0.54
								2	21	0.05	0.54
							EMERALD SHINER	1	18	0.01	0.17
							STRIPED SHINER	1	40	0.40	0.62
								2	41	0.45	0.65
				3	33	0.23	0.64				
				4	36	0.29	0.62				
			SPOTFIN SHINER	1	60	2.00	0.93				
				2	60	2.00	0.93				
				3	56	1.65	0.94				
				4	57	1.69	0.91				
				5	62	2.05	0.86				
	B										

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	B	08 03 87	SPOTFIN SHINER	6	63	2.22	0.89
				7	58	1.70	0.87
				8	52	1.13	0.80
				9	48	0.86	0.78
				10	46	0.95	0.98
				11	53	1.32	0.89
				12	43	0.74	0.93
				13	46	0.85	0.87
				14	43	0.60	0.75
				15	48	0.90	0.81
				16	46	0.81	0.83
				17	44	0.71	0.83
				18	46	0.82	0.84
				19	47	0.86	0.83
				20	48	0.92	0.83
				21	45	0.80	0.88
				22	49	1.05	0.89
				23	50	1.13	0.90
				24	45	0.68	0.75
				25	43	0.67	0.84
				26	47	0.83	0.80
				27	48	0.89	0.80
				28	44	0.79	0.93
				29	42	0.64	0.86
				30	49	0.94	0.80
				31	45	0.81	0.89
				32	43	0.59	0.74
				33	45	0.80	0.88
				34	44	0.67	0.79
				35	43	0.62	0.78
				36	46	0.72	0.74
				37	45	0.63	0.69
				38	45	0.82	0.90
				39	40	0.54	0.84
				40	43	0.56	0.70
				41	41	0.55	0.80
				42	49	0.92	0.78
				43	43	0.65	0.82
				44	46	0.82	0.84
				45	44	0.67	0.79
				46	42	0.59	0.80
				47	40	0.49	0.77
				48	40	0.52	0.81
				49	41	0.53	0.77
				50	39	0.46	0.78
				51	41	0.51	0.74
				52	42	0.53	0.72
				53	45	0.65	0.71
				54	40	0.48	0.75
				55	43	0.69	0.87
				56	46	0.79	0.81
				57	44	0.70	0.82
				58	40	0.46	0.72
				59	40	0.46	0.72
				60	38	0.38	0.69
				61	37	0.38	0.75
				62	36	0.31	0.66
				63	36	0.37	0.79
				64	48	0.88	0.80
				65	41	0.49	0.71
				66	37	0.39	0.77
				67	37	0.34	0.67
				68	39	0.44	0.74
				69	36	0.32	0.69
				70	39	0.42	0.71
				71	39	0.40	0.67
				72	39	0.43	0.72
				73	37	0.38	0.75
				74	33	0.31	0.86
				75	39	0.40	0.67
				76	35	0.30	0.70
				77	35	0.30	0.70

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	B	08 03 87	SPOTFIN SHINER	78	33	0.26	0.72
				79	20	0.04	0.50
				80	19	0.03	0.44
			SAND SHINER	1	44	0.52	0.61
				2	46	0.61	0.63
				3	43	0.54	0.68
				4	43	0.51	0.64
				5	41	0.47	0.68
				6	41	0.50	0.73
				7	43	0.52	0.65
				8	45	0.64	0.70
				9	42	0.47	0.63
				10	41	0.51	0.74
				11	43	0.51	0.64
				12	42	0.52	0.70
				13	43	0.43	0.54
				14	43	0.53	0.67
				15	43	0.60	0.75
				16	44	0.52	0.61
				17	43	0.47	0.59
				18	40	0.38	0.59
				19	40	0.42	0.66
				20	44	0.58	0.68
				21	45	0.60	0.66
				22	45	0.62	0.68
				23	41	0.45	0.65
				24	40	0.41	0.64
				25	41	0.47	0.68
				26	44	0.55	0.65
				27	42	0.51	0.69
				28	40	0.44	0.69
			REDFIN SHINER	1	45	0.72	0.79
				2	46	0.58	0.60
				3	42	0.48	0.65
			MIMIC SHINER	1	64	1.85	0.71
				2	62	1.97	0.83
				3	67	2.50	0.83
				4	53	1.28	0.86
				5	53	1.29	0.87
				6	50	1.04	0.83
				7	51	1.16	0.87
				8	50	0.89	0.71
				9	47	0.89	0.86
				10	44	0.61	0.72
				11	46	0.74	0.76
				12	45	0.74	0.81
				13	48	0.87	0.79
				14	45	0.65	0.71
				15	42	0.52	0.70
				16	45	0.61	0.67
				17	45	0.67	0.74
				18	47	0.84	0.81
				19	42	0.51	0.69
				20	46	0.75	0.77
				21	53	0.63	0.42
				22	41	0.54	0.78
				23	49	0.92	0.78
				24	45	0.66	0.72
				25	43	0.60	0.75
				26	45	0.60	0.66
				27	46	0.76	0.78
				28	44	0.64	0.75
				29	46	0.66	0.68
				30	41	0.49	0.71
				31	40	0.44	0.69
				32	43	0.56	0.70
				33	41	0.48	0.70
				34	42	0.56	0.76
				35	43	0.59	0.74
				36	45	0.70	0.77
				37	40	0.46	0.72
				38	40	0.42	0.66

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
 DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
2	B	08 03 87	MIMIC SHINER	39	43	0.60	0.75	
				40	42	0.52	0.70	
				41	43	0.62	0.78	
				42	42	0.55	0.74	
				43	41	0.50	0.73	
				44	47	0.79	0.76	
				45	43	0.61	0.77	
				46	49	0.86	0.73	
				47	39	0.42	0.71	
				48	42	0.51	0.69	
				49	24	0.07	0.51	
				SUCKERMOUTH MINNOW BLUNTNOSE MINNOW	1	31	0.25	0.84
					1	52	1.18	0.84
					2	55	1.30	0.78
					3	53	1.34	0.90
					4	59	1.97	0.96
					5	47	0.84	0.81
					6	52	1.22	0.87
					7	50	1.01	0.81
					8	47	0.98	0.94
					9	50	1.10	0.88
					10	51	1.25	0.94
					11	49	1.02	0.87
					12	46	0.80	0.82
					13	58	1.66	0.85
					14	50	1.17	0.94
					15	49	1.03	0.88
					16	49	1.02	0.87
					17	48	0.77	0.70
					18	48	0.95	0.86
					19	47	0.82	0.79
					20	51	1.20	0.90
				21	50	0.97	0.78	
				22	50	1.13	0.90	
				23	55	1.34	0.81	
				24	47	0.70	0.67	
				25	47	0.87	0.84	
				26	51	0.93	0.70	
				27	45	0.64	0.70	
			28	47	0.80	0.77		
			29	48	0.81	0.73		
			30	46	0.69	0.71		
			31	45	0.68	0.75		
			32	45	0.65	0.71		
			33	51	1.19	0.90		
			34	46	0.73	0.75		
			35	43	0.57	0.72		
			36	43	0.62	0.78		
			37	33	0.19	0.53		
			38	29	0.18	0.74		
			39	29	0.16	0.66		
			40	29	0.16	0.66		
			41	27	0.12	0.61		
			42	23	0.09	0.74		
			43	28	0.14	0.64		
			44	26	0.10	0.57		
			45	25	0.09	0.58		
			46	29	0.14	0.57		
			47	28	0.14	0.64		
			48	28	0.14	0.64		
49	26	0.11	0.63					
50	24	0.09	0.65					
51	26	0.10	0.57					
52	26	0.10	0.57					
53	23	0.05	0.41					
54	25	0.09	0.58					
55	23	0.06	0.49					
56	26	0.08	0.46					
57	26	0.08	0.46					
58	25	0.10	0.64					
59	25	0.06	0.38					
60	20	0.03	0.37					

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
2	B	08 03 87	BLUNTNOSE MINNOW	61	25	0.09	0.58	
				62	27	0.12	0.61	
				63	25	0.09	0.58	
				64	24	0.06	0.43	
				65	22	0.04	0.38	
				66	19	0.02	0.29	
				67	16	0.01	0.24	
				68	20	0.03	0.37	
				BULLHEAD MINNOW	1	30	0.19	0.70
					2	23	0.04	0.33
				GREEN SUNFISH	1	58	2.86	1.47
				BLUEGILL	1	13	0.01	0.46
				LONGEAR SUNFISH	1	60	3.26	1.51
					2	55	2.60	1.56
					3	54	2.55	1.62
					4	49	1.82	1.55
					5	52	1.98	1.41
					6	45	1.30	1.43
			LARGEMOUTH BASS	1	66	2.50	0.87	
				2	70	3.64	1.06	
			JOHNNY DARTER	1	42	0.54	0.73	
				2	42	0.50	0.67	
				3	42	0.50	0.67	
				4	41	0.50	0.73	
				5	41	0.44	0.64	
				6	39	0.37	0.62	
				7	41	0.44	0.64	
				8	37	0.31	0.61	
				9	38	0.31	0.56	
				10	38	0.31	0.56	
				11	39	0.37	0.62	
				12	38	0.34	0.62	
				13	36	0.26	0.56	
				14	44	0.58	0.68	
				15	39	0.37	0.62	
				16	40	0.37	0.58	
				17	37	0.32	0.63	
				18	40	0.34	0.53	
			19	43	0.57	0.72		
			20	44	0.46	0.54		
			21	37	0.31	0.61		
			22	38	0.35	0.64		
			23	42	0.43	0.58		
			24	45	0.60	0.66		
			25	39	0.34	0.57		
			26	41	0.42	0.61		
27	40	0.37	0.58					
28	36	0.32	0.69					
29	36	0.32	0.69					
30	39	0.38	0.64					
31	38	0.33	0.60					
32	40	0.39	0.61					
33	39	0.37	0.62					
34	38	0.35	0.64					
35	37	0.35	0.69					
36	35	0.22	0.51					
37	37	0.39	0.77					
38	36	0.27	0.58					
39	38	0.34	0.62					
40	36	0.30	0.64					
41	36	0.29	0.62					
42	39	0.36	0.61					
43	35	0.23	0.54					
44	36	0.26	0.56					
45	36	0.30	0.64					
46	33	0.20	0.56					
BLACKSIDE DARTER	1	55	1.21	0.73				
	2	52	0.97	0.69				
	3	52	1.00	0.71				
	4	45	0.65	0.71				
C	08 11 87	HORNYHEAD CHUB	1	30	0.31	1.15		
			1	62	2.13	0.89		
			SPOTFIN SHINER					

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL		
2	C	08 11 87	SPOTFIN SHINER	2	53	1.39	0.93		
				3	49	1.07	0.91		
				4	47	0.84	0.81		
				5	50	1.07	0.86		
				6	45	0.70	0.77		
				7	47	0.90	0.87		
				8	47	1.02	0.98		
				9	48	1.03	0.93		
				10	46	0.89	0.91		
				SAND SHINER	1	50	1.04	0.83	
			2		42	0.65	0.88		
			3		30	0.21	0.78		
			REDFIN SHINER		1	43	0.56	0.70	
					BLUNTNOSE MINNOW	1	51	1.25	0.94
						2	49	1.09	0.93
			3		41	0.53	0.77		
			4		36	0.37	0.79		
			5		33	0.26	0.72		
			6		23	0.06	0.49		
			BULLHEAD MINNOW	1	27	0.17	0.86		
				2	29	0.22	0.90		
			GREEN SUNFISH	1	147	57.36	1.81		
				2	91	14.37	1.91		
			BLUEGILL	3	80	8.78	1.71		
				1	73	7.14	1.84		
				2	39	0.83	1.40		
			LONGEAR SUNFISH	3	35	0.64	1.49		
				4	20	0.11	1.37		
				5	24	0.18	1.30		
				1	72	6.67	1.79		
				2	63	5.19	2.08		
				3	61	4.09	1.80		
				4	55	3.09	1.86		
				5	57	3.29	1.78		
				6	55	2.79	1.68		
				7	52	2.39	1.70		
				8	59	3.70	1.80		
				9	55	2.66	1.60		
				10	54	2.55	1.62		
			11	51	2.34	1.76			
			12	25	0.22	1.41			
			13	19	0.09	1.31			
			LARGEMOUTH BASS	1	72	4.35	1.17		
				2	75	5.15	1.22		
			JOHNNY DARTER	1	43	0.59	0.74		
				2	41	0.57	0.83		
				3	38	0.39	0.71		
				4	42	0.60	0.81		
				5	38	0.39	0.71		
				6	31	0.22	0.74		
BLACKSIDE DARTER	1	53	1.10	0.74					
	1	45	0.70	0.77					
SPOTFIN SHINER	2	44	0.63	0.74					
	3	47	0.76	0.73					
	4	41	0.51	0.74					
	5	41	0.47	0.68					
	6	37	0.36	0.71					
	7	39	0.39	0.66					
	SAND SHINER	1	64	1.97	0.75				
		2	46	0.72	0.74				
		3	46	0.70	0.72				
		4	45	0.61	0.67				
5		44	0.59	0.69					
BULLHEAD MINNOW	6	28	0.11	0.50					
	1	28	0.10	0.46					
	2	27	0.10	0.51					
	3	25	0.07	0.45					
	4	18	0.01	0.17					
	5	16	0.01	0.24					
BLUEGILL	1	23	0.11	0.90					
	2	21	0.10	1.08					
	3	18	0.06	1.03					

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
2	D	08 11 87	LONGEAR SUNFISH	1	90	12.05	1.65
			JOHNNY DARTER	1	42	0.52	0.70
3L	A	08 03 87	BLACKSTRIPE TOPMINNOW	2	40	0.38	0.59
				1	27	0.14	0.71
				2	26	0.10	0.57
				3	22	0.05	0.47
				1	140	56.58	2.06
				1	39	0.79	1.33
				1	107	25.00	2.04
				2	93	16.43	2.04
				1	45	0.76	0.83
				1	49	0.82	0.70
				1	50	1.15	0.92
				1	63	2.28	0.91
				2	64	2.08	0.79
				1	54	0.53	0.34
	1	70	3.47	1.01			
C	08 11 87	SPOTFIN SHINER	2	63	2.86	1.14	
			1	61	1.82	0.80	
			2	66	2.51	0.87	
			3	54	1.53	0.97	
			4	67	2.88	0.96	
			5	56	1.45	0.83	
			6	58	1.60	0.82	
			7	63	2.22	0.89	
			8	59	1.75	0.85	
			9	52	1.24	0.88	
			10	47	0.84	0.81	
			11	56	1.55	0.88	
			12	53	1.33	0.89	
			13	55	1.47	0.88	
			14	53	1.26	0.85	
			15	48	0.88	0.80	
			16	53	1.32	0.89	
			17	49	1.06	0.90	
			18	46	0.85	0.87	
			19	51	1.24	0.93	
			20	48	0.86	0.78	
			21	48	0.90	0.81	
			22	47	0.90	0.87	
			23	47	0.92	0.89	
			24	47	0.91	0.88	
			25	44	0.73	0.86	
			26	47	0.88	0.85	
			27	48	0.92	0.83	
			28	46	0.78	0.80	
			29	46	0.79	0.81	
			30	48	0.90	0.81	
			31	36	0.37	0.79	
			32	32	0.27	0.82	
33	36	0.35	0.75				
	1	48	0.83	0.75			
	2	46	0.82	0.84			
	1	21	0.05	0.54			
	1	23	0.11	0.90			
	1	53	0.62	0.42			
	2	53	0.63	0.42			
	3	45	0.40	0.44			
	4	36	0.25	0.54			
D		SPOTFIN SHINER	1	52	1.16	0.82	
			2	45	0.80	0.88	
			3	45	0.67	0.74	
			4	46	0.82	0.84	
			5	33	0.31	0.86	
			6	24	0.12	0.87	
			7	21	0.10	1.08	
			8	20	0.09	1.12	
			9	18	0.09	1.54	
			10	19	0.08	1.17	
				11	15	0.04	1.19
	1	26	0.20	1.14			
	1	91	2.59	0.34			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3L	D	08 11 87	BROOK SILVERSIDE	2	49	0.49	0.42
			ROCK BASS	1	117	28.45	1.78
3R	A	08 03 87	BLUEGILL	1	74	6.86	1.69
			HORNYHEAD CHUB	1	59	2.24	1.09
			SPOTFIN SHINER	1	63	2.31	0.92
				2	55	1.43	0.86
				3	49	1.09	0.93
				4	42	0.66	0.89
				5	43	0.70	0.88
				6	43	0.70	0.88
			REDFIN SHINER	1	46	0.71	0.73
				2	46	0.83	0.85
B			LONGEAR SUNFISH	3	49	0.96	0.82
			JOHNNY DARTER	4	42	0.58	0.78
			JOHNNY DARTER	1	57	3.44	1.86
			BROOK SILVERSIDE	1	38	0.42	0.77
			BROOK SILVERSIDE	1	50	0.38	0.30
			SMALLMOUTH BASS	1	130	26.79	1.22
			JOHNNY DARTER	1	32	0.19	0.58
			ROSYFACE SHINER	1	23	0.04	0.33
			SPOTFIN SHINER	1	71	3.70	1.03
			C	08 11 87			2
	3	61				1.96	0.86
	4	64				2.54	0.97
	5	63				2.33	0.93
	6	55				1.44	0.87
	7	61				2.10	0.93
	8	60				1.94	0.90
	9	62				2.06	0.86
	10	55				1.53	0.92
	11	55				1.43	0.86
	12	59				1.64	0.80
	13	52				1.18	0.84
	14	47				0.92	0.89
	15	51				1.20	0.90
	16	49				0.95	0.81
	17	50				1.05	0.84
	18	51				1.06	0.80
	19	49				0.99	0.84
	20	49				1.10	0.93
	21	46				0.82	0.84
	22	48				0.92	0.83
	23	49				1.02	0.87
	24	30				0.22	0.81
	25	30				0.22	0.81
	26	23				0.12	0.99
	27	25				0.14	0.90
	28	28				0.21	0.96
	29	29				0.22	0.90
	30	21				0.11	1.19
						BLUNTNOSE MINNOW	1
				2	60	1.86	0.86
				3	57	1.86	1.00
				4	54	1.42	0.90
				5	53	1.45	0.97
			BULLHEAD MINNOW	6	35	0.35	0.82
				1	51	1.06	0.80
D			SPOTFIN SHINER	2	19	0.07	1.02
				1	63	2.19	0.88
				2	57	1.93	1.04
				3	61	1.91	0.84
				4	55	1.45	0.87
				5	52	1.31	0.93
				6	47	1.02	0.98
				7	49	1.05	0.89
				8	50	1.19	0.95
				9	49	0.97	0.82
				10	51	1.39	1.05
				11	43	0.68	0.86
				12	53	1.35	0.91
				13	51	1.25	0.94
	14	45	0.95	1.04			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
3R	D	08 11 87	SPOTFIN SHINER	15	51	1.27	0.96
				16	47	0.92	0.89
			BLUNTNOSE MINNOW	1	50	1.12	0.90
			BROOK SILVERSIDE	1	45	0.42	0.46
4L	A	08 03 87	SMALLMOUTH BASS	1	132	25.58	1.11
			STRIPED SHINER	1	40	0.50	0.78
				2	44	0.69	0.81
				3	34	0.34	0.87
				4	33	0.31	0.86
			SPOTFIN SHINER	1	37	0.40	0.79
				2	32	0.29	0.89
				3	32	0.29	0.89
				4	30	0.25	0.93
				5	28	0.19	0.87
				6	30	0.25	0.93
				7	30	0.25	0.93
				8	27	0.18	0.91
				9	30	0.23	0.85
				10	28	0.20	0.91
				11	25	0.16	1.02
				12	29	0.22	0.90
				13	27	0.17	0.86
				14	26	0.15	0.85
				15	26	0.18	1.02
				16	28	0.18	0.82
				17	27	0.20	1.02
				18	27	0.17	0.86
				19	25	0.15	0.96
				20	27	0.19	0.97
				21	25	0.15	0.96
				22	28	0.20	0.91
				23	26	0.16	0.91
				24	24	0.13	0.94
				25	25	0.16	1.02
				26	24	0.14	1.01
	27	26	0.16	0.91			
	28	25	0.14	0.90			
	29	25	0.15	0.96			
	30	25	0.12	0.77			
	31	16	0.06	1.46			
		BLACKSTRIPE TOPMINNOW	1	23	0.12	0.99	
		SMALLMOUTH BASS	1	51	1.46	1.10	
			2	12	0.07	4.05	
B			SPOTFIN SHINER	1	25	0.13	0.83
			BLACKSTRIPE TOPMINNOW	1	38	0.48	0.87
				2	35	0.36	0.84
				3	34	0.34	0.87
				4	28	0.23	1.05
				5	33	0.30	0.83
				6	22	0.13	1.22
			GREEN SUNFISH	1	27	0.32	1.63
			BLUEGILL	1	31	0.38	1.28
				2	22	0.17	1.60
				1	50	1.84	1.47
C	08 11 87		LONGEAR SUNFISH	1	31	0.16	0.54
			SPOTFIN SHINER	2	25	0.08	0.51
				3	25	0.07	0.45
				1	50	0.90	0.72
D			BLUNTNOSE MINNOW	1	50	0.90	0.72
			ROCK BASS	1	131	36.68	1.63
			STRIPED SHINER	1	46	0.80	0.82
				2	22	0.05	0.47
			SPOTFIN SHINER	1	53	1.29	0.87
				2	45	0.71	0.78
				3	36	0.38	0.81
				4	29	0.18	0.74
				5	28	0.14	0.64
				6	30	0.20	0.74
				7	28	0.14	0.64
	8	28	0.14	0.64			
	9	25	0.11	0.70			
	10	25	0.10	0.64			
	11	22	0.08	0.75			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL			
4L	D	08 11 87	SPOTFIN SHINER	12	23	0.07	0.58			
				13	21	0.04	0.43			
				14	21	0.03	0.32			
				15	14	0.01	0.36			
				16	14	0.01	0.36			
			BLUNTNOSE MINNOW	17	15	0.01	0.30			
				1	57	1.60	0.86			
				2	50	1.05	0.84			
				3	51	1.09	0.82			
				4	28	0.15	0.68			
			BLACKSTRIPE TOPMINNOW	5	19	0.02	0.29			
				6	19	0.01	0.15			
				1	41	0.51	0.74			
				2	30	0.20	0.74			
				3	34	0.27	0.69			
			BROOK SILVERSIDE	1	48	0.45	0.41			
				2	34	0.19	0.48			
			ORANGESPOTTED SUNFISH	1	22	0.13	1.22			
				2	20	0.09	1.12			
			BLUEGILL	1	38	0.69	1.26			
				2	20	0.10	1.25			
			LONGEAR SUNFISH	1	110	24.60	1.85			
				2	96	16.46	1.86			
			4R	A	08 03 87	BLACKSIDE DARTER	1	53	1.18	0.79
							1	25	0.08	0.51
GIZZARD SHAD	2	23				0.06	0.49			
	1	66				2.50	0.87			
SPOTFIN SHINER	2	65				2.63	0.96			
	3	64				2.15	0.82			
	4	64				2.45	0.93			
	5	49				0.96	0.82			
	6	50				1.16	0.93			
	7	47				0.96	0.92			
	8	52				1.31	0.93			
	9	57				1.84	0.99			
	10	53				1.25	0.84			
	11	49				1.06	0.90			
	12	53				1.43	0.96			
	13	52				1.14	0.81			
	14	46				0.89	0.91			
	15	53				1.15	0.77			
	16	46				0.79	0.81			
17	49	1.01				0.86				
18	43	0.58				0.73				
19	41	0.50				0.73				
REDFIN SHINER	1	48				0.83	0.75			
	BLUNTNOSE MINNOW	1				27	0.14	0.71		
		1				64	1.03	0.39		
	BROOK SILVERSIDE	2	51	0.52	0.39					
		3	49	0.52	0.44					
		4	50	0.48	0.38					
		5	52	0.54	0.38					
		6	48	0.45	0.41					
		7	49	0.49	0.42					
		8	50	0.50	0.40					
9		54	0.65	0.41						
10	50	0.47	0.38							
11	46	0.39	0.40							
12	50	0.50	0.40							
13	50	0.51	0.41							
14	51	0.51	0.38							
15	52	0.59	0.42							
16	47	0.38	0.37							
17	51	0.56	0.42							
18	50	0.45	0.36							
19	48	0.43	0.39							
20	47	0.42	0.40							
21	44	0.33	0.39							
22	37	0.20	0.39							
23	43	0.32	0.40							
24	45	0.35	0.38							
25	45	0.35	0.38							

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
4R	A	08 03 87	BROOK SILVERSIDE	26	51	0.52	0.39				
				27	44	0.33	0.39				
				28	47	0.38	0.37				
				29	45	0.33	0.36				
				30	47	0.40	0.39				
				31	43	0.30	0.38				
				32	45	0.34	0.37				
				33	49	0.46	0.39				
				34	45	0.34	0.37				
				35	43	0.31	0.39				
				36	40	0.23	0.36				
				37	41	0.25	0.36				
				38	45	0.30	0.33				
				39	43	0.28	0.35				
				40	43	0.28	0.35				
					LONGEAR SUNFISH	1	120	34.11	1.97		
						2	67	6.27	2.08		
						3	60	4.27	1.98		
				B			GIZZARD SHAD	1	28	0.13	0.59
								2	20	0.03	0.37
		EMERALD SHINER	1					34	0.24	0.61	
			2					38	0.29	0.53	
			3					35	0.26	0.61	
			4					41	0.36	0.52	
			5					41	0.40	0.58	
			6					37	0.27	0.53	
			7					39	0.32	0.54	
			8					35	0.21	0.49	
			9					36	0.26	0.56	
			10					34	0.24	0.61	
			11					33	0.19	0.53	
			12					33	0.19	0.53	
			13					32	0.17	0.52	
			14					26	0.09	0.51	
			15					37	0.26	0.51	
		STRIPED SHINER	1					39	0.40	0.67	
			2					35	0.30	0.70	
			3					33	0.25	0.70	
			4		36	0.33	0.71				
			5		32	0.20	0.61				
		6	35		0.25	0.58					
		7	36		0.31	0.66					
		8	22		0.05	0.47					
		9	25		0.08	0.51					
		10	18		0.02	0.34					
	ROSYFACE SHINER	1	50		0.72	0.58					
		2	38		0.30	0.55					
		3	37		0.28	0.55					
		4	38		0.30	0.55					
		5	37		0.30	0.59					
		6	38		0.25	0.46					
		7	40		0.32	0.50					
		8	38		0.28	0.51					
		9	32		0.17	0.52					
		10	31		0.16	0.54					
		11	36		0.25	0.54					
		12	34		0.18	0.46					
		13	31		0.17	0.57					
		14	30	0.14	0.52						
	SPOTFIN SHINER	1	53	1.23	0.83						
		2	58	1.72	0.88						
		3	55	1.34	0.81						
		4	52	1.27	0.90						
		5	50	1.09	0.87						
		6	46	0.81	0.83						
		7	43	0.62	0.78						
		8	47	0.80	0.77						
		9	45	0.80	0.88						
		10	44	0.58	0.68						
		11	36	0.32	0.69						
		12	26	0.10	0.57						
		13	26	0.08	0.46						

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	B	08 03 87	SPOTFIN SHINER REDFIN SHINER MIMIC SHINER	14	25	0.07	0.45
				1	50	0.92	0.74
				1	50	0.92	0.74
				2	44	0.62	0.73
				3	45	0.63	0.69
				4	45	0.62	0.68
				5	43	0.51	0.64
				6	41	0.45	0.65
				7	44	0.57	0.67
				8	45	0.59	0.65
				9	44	0.52	0.61
				10	44	0.47	0.55
				11	41	0.42	0.61
				12	43	0.48	0.60
				13	45	0.59	0.65
				14	45	0.62	0.68
				15	43	0.51	0.64
				16	42	0.48	0.65
				17	45	0.64	0.70
				18	41	0.44	0.64
				19	40	0.41	0.64
				20	40	0.41	0.64
				21	42	0.43	0.58
				22	41	0.43	0.62
				23	42	0.43	0.58
				24	45	0.58	0.64
				25	41	0.41	0.59
				26	44	0.56	0.66
				27	44	0.58	0.68
				28	44	0.50	0.59
				29	46	0.65	0.67
				30	44	0.42	0.49
				31	47	0.70	0.67
				32	42	0.50	0.67
				33	42	0.45	0.61
				34	46	0.57	0.59
				35	46	0.64	0.66
				36	41	0.37	0.54
				37	42	0.48	0.65
				38	44	0.57	0.67
				39	49	0.72	0.61
				40	43	0.54	0.68
				41	42	0.46	0.62
				42	39	0.35	0.59
				43	44	0.57	0.67
				44	38	0.35	0.64
				45	45	0.55	0.60
46	50	1.03	0.82				
47	41	0.42	0.61				
			BLUNTNOSE MINNOW	1	53	1.53	1.03
				2	52	1.12	0.80
				3	49	1.04	0.88
				4	48	0.96	0.87
				5	46	0.79	0.81
				6	50	1.05	0.84
				7	50	1.05	0.84
				8	48	0.94	0.85
				9	46	0.70	0.72
				10	48	0.94	0.85
				11	48	0.96	0.87
				12	49	0.98	0.83
				13	46	0.92	0.95
				14	43	0.59	0.74
				15	49	1.03	0.88
				16	52	1.21	0.86
				17	47	0.89	0.86
				18	48	0.89	0.80
				19	42	0.55	0.74
			BULLHEAD MINNOW	1	59	2.11	1.03
			BROOK SILVERSIDE	1	41	0.20	0.29
			BLUEGILL	1	37	0.53	1.05
				2	39	0.66	1.11

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
4R	B	08 03 87	LONGEAR SUNFISH	1	115	33.57	2.21
				2	119	39.63	2.35
				3	95	16.52	1.93
				4	49	1.88	1.60
				5	52	2.12	1.51
				6	45	1.33	1.46
C	08 11 87		LARGEMOUTH BASS	1	53	1.65	1.11
			JOHNNY DARTER	1	38	0.29	0.53
			BLACKSIDE DARTER	1	49	0.70	0.59
			GIZZARD SHAD	1	24	0.07	0.51
			HORNYHEAD CHUB	1	26	0.15	0.85
			STRIPED SHINER	1	42	0.62	0.84
			SPOTFIN SHINER	1	59	1.89	0.92
			BLUNTNOSE MINNOW	1	49	1.01	0.86
			SMALLMOUTH BUFFALO	1	67	3.24	1.08
			ROCK BASS	1	165	76.35	1.70
				2	124	32.58	1.71
				1	49	1.52	1.29
			D			GIZZARD SHAD	1
	2	18				0.02	0.34
	3	23				0.08	0.66
	4	22				0.07	0.66
	5	22				0.06	0.56
	6	25				0.11	0.70
	7	25				0.12	0.77
	8	21				0.06	0.65
	9	22				0.06	0.56
	10	21				0.05	0.54
	11	23				0.06	0.49
	12	21				0.05	0.54
	13	23				0.07	0.58
	14	22				0.07	0.66
	15	21				0.05	0.54
	16	21				0.05	0.54
	17	20				0.04	0.50
	18	23				0.07	0.58
	19	26				0.12	0.68
	20	22				0.05	0.47
	21	21				0.04	0.43
	22	24				0.09	0.65
	23	23				0.06	0.49
	24	20				0.02	0.25
	25	21				0.04	0.43
	26	22				0.05	0.47
	27	22				0.03	0.28
	28	21				0.05	0.54
	29	21				0.04	0.43
	30	22				0.04	0.38
	31	22				0.05	0.47
	32	21				0.04	0.43
	33	21				0.03	0.32
	34	19				0.01	0.15
	35	21	0.05	0.54			
	36	18	0.01	0.17			
	37	21	0.03	0.32			
	38	22	0.04	0.38			
	39	21	0.04	0.43			
	40	21	0.02	0.22			
	41	20	0.02	0.25			
	42	35	0.27	0.63			
	43	19	0.01	0.15			
	44	20	0.02	0.25			
	45	21	0.03	0.32			
	46	24	0.05	0.36			
	47	23	0.04	0.33			
	48	22	0.04	0.38			
	49	21	0.02	0.22			
	50	20	0.04	0.50			
	51	20	0.02	0.25			
	52	20	0.04	0.50			
	53	22	0.05	0.47			
	54	22	0.04	0.38			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
4R	D	08 11 87	GIZZARD SHAD	55	22	0.03	0.28				
				56	20	0.02	0.25				
				57	20	0.02	0.25				
				58	20	0.02	0.25				
				59	20	0.01	0.12				
				60	19	0.02	0.29				
				61	19	0.02	0.29				
				62	20	0.03	0.37				
				63	19	0.02	0.29				
				64	20	0.03	0.37				
				65	17	0.01	0.20				
				66	18	0.02	0.34				
				67	19	0.02	0.29				
				68	18	0.01	0.17				
				69	20	0.04	0.50				
				70	19	0.02	0.29				
				71	19	0.02	0.29				
				72	19	0.02	0.29				
				73	19	0.02	0.29				
							HORNYHEAD CHUB	1	33	0.32	0.89
							STRIPED SHINER	1	24	0.06	0.43
								2	15	0.01	0.30
							SPOTFIN SHINER	1	50	0.97	0.78
							2	31	0.26	0.87	
							3	16	0.04	0.98	
							4	13	0.01	0.46	
							5	17	0.04	0.81	
							6	16	0.02	0.49	
							7	13	0.02	0.91	
							8	16	0.02	0.49	
							9	17	0.02	0.41	
							10	15	0.01	0.30	
							11	15	0.01	0.30	
							12	15	0.01	0.30	
							13	14	0.01	0.36	
							14	13	0.01	0.46	
							15	13	0.01	0.46	
						BLUNTNOSE MINNOW	1	65	2.68	0.98	
							2	52	1.15	0.82	
							3	51	1.04	0.78	
							4	50	0.98	0.78	
							5	49	0.98	0.83	
							6	30	0.19	0.70	
							7	16	0.01	0.24	
						BLUEGILL	1	54	2.14	1.36	
							2	50	1.69	1.35	
							3	23	0.12	0.99	
							4	17	0.04	0.81	
							5	17	0.03	0.61	
							6	15	0.02	0.59	
							7	14	0.01	0.36	
							8	17	0.02	0.41	
							9	17	0.03	0.61	
							10	17	0.03	0.61	
							11	15	0.02	0.59	
							12	15	0.01	0.30	
			5L	A	08 03 87	LARGEMOUTH BASS	1	113	14.97	1.04	
						GRASS PICKEREL	1	125	11.48	0.59	
						SPOTFIN SHINER	1	68	2.05	0.65	
							2	46	0.82	0.84	
							3	27	0.17	0.86	
							4	24	0.10	0.72	
							5	21	0.06	0.65	
							6	23	0.07	0.58	
							7	22	0.09	0.85	
							8	22	0.10	0.94	
							9	18	0.04	0.69	
							10	23	0.09	0.74	
							11	23	0.08	0.66	
						12	20	0.06	0.75		
						13	15	0.02	0.59		
						SUCKERMOUTH MINNOW	1	41	0.69	1.00	

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
5L	A	08 03 87	BLUNTNOSE MINNOW	1	57	1.97	1.06	
				2	49	1.20	1.02	
				3	48	0.99	0.90	
				4	44	0.81	0.95	
				5	31	0.20	0.67	
				6	29	0.18	0.74	
				7	23	0.08	0.66	
				8	25	0.11	0.70	
				9	28	0.16	0.73	
				BLACKSTRIPE TOPMINNOW	1	30	0.19	0.70
				GREEN SUNFISH	1	95	18.04	2.10
				BLUEGILL	1	42	1.02	1.38
					2	19	0.07	1.02
					3	18	0.07	1.20
		B		JOHNNY DARTER	1	42	0.50	0.67
			SILVERJAW MINNOW	1	23	0.08	0.66	
			STRIPED SHINER	1	40	0.60	0.94	
				2	27	0.21	1.07	
				3	24	0.21	1.52	
				4	25	0.22	1.41	
				5	21	0.18	1.94	
				6	17	0.07	1.42	
				7	17	0.04	0.81	
			8	16	0.06	1.46		
				SPOTFIN SHINER	1	57	2.04	1.10
					2	27	0.12	0.61
					3	26	0.18	1.02
					4	25	0.15	0.96
				5	27	0.15	0.76	
				6	21	0.13	1.40	
				7	25	0.16	1.02	
				8	23	0.14	1.15	
				9	18	0.03	0.51	
				10	25	0.14	0.90	
				11	28	0.16	0.73	
				12	25	0.14	0.90	
				13	25	0.15	0.96	
				14	21	0.12	1.30	
				15	18	0.04	0.69	
				16	15	0.02	0.59	
				17	17	0.04	0.81	
			SAND SHINER	1	48	1.00	0.90	
				2	46	1.02	1.05	
				3	48	1.13	1.02	
				4	47	1.10	1.06	
				5	44	1.00	1.17	
				6	43	1.01	1.27	
				7	43	1.00	1.26	
				8	26	0.23	1.31	
			BLUNTNOSE MINNOW	1	58	1.86	0.95	
				2	47	0.72	0.69	
				3	50	0.98	0.78	
				4	49	1.14	0.97	
				5	47	0.91	0.88	
				6	47	0.95	0.92	
				7	51	1.16	0.87	
				8	30	0.19	0.70	
				9	32	0.25	0.76	
				10	24	0.10	0.72	
				11	21	0.07	0.76	
				12	23	0.09	0.74	
				13	22	0.07	0.66	
				14	20	0.05	0.62	
				15	20	0.06	0.75	
				16	19	0.06	0.87	
				17	22	0.09	0.85	
				18	21	0.08	0.86	
				19	18	0.04	0.69	
				20	16	0.04	0.98	
				21	15	0.02	0.59	
				22	16	0.03	0.73	
				23	14	0.01	0.36	

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	B	08 03 87	BLUNTNOWSE MINNOW BULLHEAD MINNOW	24	51	1.19	0.90
				1	37	0.40	0.79
				2	26	0.13	0.74
				3	26	0.15	0.85
				4	25	0.13	0.83
				5	25	0.10	0.64
				6	23	0.08	0.66
C	08 11 87		BLUEGILL LONGEAR SUNFISH HORNYHEAD CHUB SPOTFIN SHINER	7	20	0.05	0.62
				1	45	1.26	1.38
				1	70	7.55	2.20
				1	27	0.10	0.51
				1	50	1.10	0.88
				2	47	0.66	0.64
				3	26	0.10	0.57
				4	26	0.17	0.97
				5	22	0.13	1.22
				6	25	0.16	1.02
				7	21	0.13	1.40
				8	22	0.15	1.41
				9	20	0.12	1.50
				10	23	0.13	1.07
				11	23	0.16	1.32
				12	21	0.14	1.51
				13	21	0.14	1.51
				14	21	0.13	1.40
				15	20	0.12	1.50
				16	18	0.10	1.71
17	17	0.09	1.83				
18	19	0.12	1.75				
19	18	0.09	1.54				
20	16	0.08	1.95				
			SAND SHINER	1	50	1.09	0.87
				2	49	1.19	1.01
				3	50	1.07	0.86
				4	51	1.14	0.86
				5	26	0.11	0.63
				6	20	0.03	0.37
				7	20	0.03	0.37
				8	23	0.08	0.66
				9	22	0.05	0.47
				10	15	0.02	0.59
				11	16	0.02	0.49
			BLUNTNOWSE MINNOW	1	65	2.21	0.80
				2	64	2.30	0.88
				3	60	2.07	0.96
				4	55	1.36	0.82
				5	54	1.30	0.83
				6	56	1.63	0.93
				7	53	1.31	0.88
				8	50	1.00	0.80
				9	49	0.70	0.59
				10	56	1.20	0.68
				11	47	0.80	0.77
				12	28	0.17	0.77
				13	33	0.24	0.67
				14	27	0.14	0.71
				15	27	0.14	0.71
				16	33	0.27	0.75
				17	28	0.14	0.64
18	26	0.13	0.74				
19	24	0.12	0.87				
20	24	0.12	0.87				
21	25	0.13	0.83				
22	26	0.14	0.80				
23	30	0.18	0.67				
24	27	0.13	0.66				
25	21	0.08	0.86				
26	20	0.06	0.75				
27	26	0.10	0.57				
28	22	0.09	0.85				
			BULLHEAD MINNOW	1	50	1.19	0.95
				2	32	0.34	1.04

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	C	08 11 87	BULLHEAD MINNOW	3	34	0.35	0.89
				4	37	0.42	0.83
				5	33	0.29	0.81
				6	29	0.22	0.90
				7	30	0.21	0.78
				8	36	0.34	0.73
				9	37	0.42	0.83
				10	34	0.33	0.84
				11	35	0.37	0.86
				12	31	0.24	0.81
				13	28	0.20	0.91
				14	30	0.23	0.85
				15	30	0.23	0.85
				16	29	0.20	0.82
				17	26	0.20	1.14
				18	31	0.22	0.74
				19	34	0.28	0.71
				20	32	0.24	0.73
				21	30	0.21	0.78
				22	33	0.29	0.81
				23	32	0.25	0.76
				24	26	0.17	0.97
				25	28	0.23	1.05
				26	26	0.19	1.08
				27	29	0.19	0.78
				28	28	0.19	0.87
				29	26	0.18	1.02
				30	29	0.18	0.74
				31	29	0.20	0.82
				32	31	0.19	0.64
				33	30	0.22	0.81
				34	28	0.20	0.91
				35	28	0.19	0.87
				36	30	0.20	0.74
				37	30	0.21	0.78
				38	28	0.18	0.82
				39	27	0.17	0.86
				40	26	0.16	0.91
				41	28	0.17	0.77
				42	27	0.17	0.86
				43	25	0.15	0.96
				44	25	0.12	0.77
				45	28	0.16	0.73
				46	24	0.12	0.87
				47	30	0.22	0.81
				48	28	0.19	0.87
				49	25	0.12	0.77
				50	23	0.11	0.90
				51	27	0.15	0.76
				52	23	0.13	1.07
				53	25	0.13	0.83
				54	26	0.14	0.80
				55	28	0.16	0.73
				56	24	0.12	0.87
				57	26	0.15	0.85
				58	27	0.17	0.86
				59	28	0.19	0.87
				60	28	0.19	0.87
				61	28	0.19	0.87
				62	26	0.16	0.91
				63	20	0.08	1.00
				64	22	0.10	0.94
				65	23	0.10	0.82
				66	21	0.09	0.97
				67	23	0.10	0.82
				68	24	0.09	0.65
				69	27	0.15	0.76
				70	27	0.15	0.76
				71	26	0.15	0.85
				72	27	0.16	0.81
				73	25	0.15	0.96
				74	25	0.12	0.77

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
5L	C	08 11 87	BULLHEAD MINNOW	75	30	0.21	0.78				
				76	25	0.11	0.70				
				77	21	0.08	0.86				
				78	24	0.10	0.72				
				79	24	0.10	0.72				
				80	24	0.10	0.72				
				81	25	0.12	0.77				
				82	24	0.12	0.87				
				83	24	0.09	0.65				
				84	21	0.08	0.86				
				85	21	0.08	0.86				
				86	29	0.16	0.66				
				87	26	0.15	0.85				
				88	23	0.10	0.82				
				89	27	0.14	0.71				
				90	19	0.06	0.87				
				91	20	0.05	0.62				
				92	19	0.05	0.73				
							BLACKSTRIPED TOPMINNOW	1	32	0.24	0.73
							GREEN SUNFISH	1	112	28.99	2.06
								2	99	17.22	1.77
								3	99	19.22	1.98
								4	94	18.64	2.24
								5	84	10.64	1.80
								6	79	9.14	1.85
								7	75	6.43	1.57
								8	73	6.07	1.56
								9	34	0.54	1.37
							ORANGESPOTTED SUNFISH	1	66	5.10	1.77
								2	22	0.13	1.22
								3	17	0.08	1.63
							BLUEGILL	1	23	0.15	1.23
								2	23	0.15	1.23
			LONGEAR SUNFISH	1	60	3.71	1.72				
				2	72	6.99	1.87				
				3	61	3.89	1.71				
				4	57	3.38	1.83				
			LARGEMOUTH BASS	1	80	5.85	1.14				
			TADPOLE MADTOM	1	31	0.32	1.07				
D			SPOTFIN SHINER	1	28	0.12	0.55				
				2	29	0.13	0.53				
				3	26	0.07	0.40				
				4	24	0.04	0.29				
				5	20	0.01	0.12				
				6	23	0.03	0.25				
				7	24	0.04	0.29				
				8	24	0.04	0.29				
				9	21	0.02	0.22				
				10	23	0.03	0.25				
				11	25	0.04	0.26				
				12	20	0.01	0.12				
				13	26	0.05	0.28				
				14	15	0.01	0.30				
				15	24	0.03	0.22				
				16	27	0.09	0.46				
				17	21	0.01	0.11				
				18	21	0.01	0.11				
				19	21	0.01	0.11				
				20	20	0.01	0.12				
				21	21	0.01	0.11				
22	24	0.04	0.29								
23	23	0.04	0.33								
24	22	0.02	0.19								
25	20	0.01	0.12								
26	22	0.02	0.19								
27	14	0.01	0.36								
28	19	0.01	0.15								
29	21	0.01	0.11								
30	23	0.01	0.08								
31	21	0.02	0.22								
32	23	0.02	0.16								
33	21	0.01	0.11								

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 11 87	SPOTFIN SHINER	34	22	0.01	0.09
				35	19	0.01	0.15
				36	18	0.01	0.17
				37	16	0.01	0.24
				38	20	0.01	0.12
				39	15	0.01	0.30
				40	19	0.01	0.15
			SAND SHINER	1	50	0.94	0.75
				2	22	0.07	0.66
				3	23	0.10	0.82
				4	22	0.07	0.66
				5	23	0.08	0.66
				6	23	0.07	0.58
				7	20	0.04	0.50
				8	21	0.03	0.32
				9	22	0.04	0.38
				10	24	0.07	0.51
				11	23	0.05	0.41
				12	20	0.04	0.50
				13	23	0.06	0.49
				14	19	0.01	0.15
				15	21	0.03	0.32
				16	22	0.04	0.38
				17	29	0.15	0.62
				18	23	0.06	0.49
				19	19	0.01	0.15
				20	20	0.01	0.12
				21	19	0.01	0.15
				22	20	0.02	0.25
				23	19	0.01	0.15
				24	19	0.01	0.15
				25	27	0.09	0.46
				26	23	0.04	0.33
				27	25	0.05	0.32
				28	25	0.06	0.38
				29	24	0.04	0.29
			SUCKERMOUTH MINNOW	1	48	0.80	0.72
				2	51	1.10	0.83
			BLUNTNONE MINNOW	1	50	1.02	0.82
				2	42	0.54	0.73
				3	38	0.33	0.60
				4	35	0.26	0.61
				5	33	0.20	0.56
				6	27	0.07	0.36
				7	28	0.11	0.50
				8	26	0.07	0.40
				9	28	0.09	0.41
				10	26	0.07	0.40
				11	24	0.04	0.29
				12	22	0.02	0.19
				13	23	0.01	0.08
				14	22	0.02	0.19
				15	20	0.07	0.87
				16	16	0.06	1.46
				17	20	0.09	1.12
				18	19	0.09	1.31
				19	16	0.08	1.95
				20	19	0.09	1.31
				21	20	0.10	1.25
				22	16	0.07	1.71
				23	20	0.09	1.12
				24	15	0.07	2.07
			BULLHEAD MINNOW	1	55	1.55	0.93
				2	40	0.55	0.86
				3	34	0.41	1.04
				4	29	0.25	1.03
				5	29	0.24	0.98
				6	29	0.24	0.98
				7	27	0.24	1.22
				8	30	0.27	1.00
				9	28	0.18	0.82
				10	27	0.18	0.91

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5L	D	08 11 87	BULLHEAD MINNOW	11	26	0.17	0.97
				12	30	0.20	0.74
				13	32	0.29	0.39
				14	29	0.24	0.98
				15	27	0.20	1.02
				16	30	0.21	0.78
				17	29	0.21	0.86
				18	28	0.20	0.91
				19	25	0.15	0.96
				20	26	0.18	1.02
				21	26	0.17	0.97
				22	29	0.24	0.98
				23	30	0.26	0.96
				24	28	0.19	0.87
				25	27	0.21	1.07
				26	31	0.27	0.91
				27	26	0.24	1.37
				28	30	0.27	1.00
				29	30	0.27	1.00
				30	29	0.26	1.07
				31	25	0.19	1.22
				32	30	0.26	0.96
				33	27	0.19	0.97
				34	26	0.20	1.14
				35	29	0.30	1.23
				36	27	0.25	1.27
				37	29	0.26	1.07
				38	24	0.24	1.74
				39	26	0.24	1.37
				40	28	0.23	1.05
				41	23	0.19	1.56
				42	27	0.22	1.12
				43	24	0.13	0.94
				44	27	0.17	0.86
				45	24	0.14	1.01
				46	28	0.19	0.87
				47	27	0.19	0.97
				48	28	0.20	0.91
				49	26	0.19	1.08
				50	24	0.17	1.23
				51	26	0.17	0.97
				52	25	0.15	0.96
				53	24	0.16	1.16
				54	20	0.14	1.75
				55	27	0.18	0.91
				56	27	0.20	1.02
				57	26	0.19	1.08
				58	24	0.16	1.16
				59	19	0.11	1.60
				60	27	0.21	1.07
				61	26	0.20	1.14
				62	23	0.15	1.23
				63	24	0.14	1.01
				64	25	0.16	1.02
				65	23	0.14	1.15
				66	22	0.12	1.13
				67	24	0.14	1.01
				68	24	0.16	1.16
				69	23	0.16	1.32
				70	23	0.16	1.32
				71	23	0.14	1.15
				72	23	0.13	1.07
				73	21	0.11	1.19
				74	25	0.18	1.15
				75	22	0.15	1.41
				76	24	0.14	1.01
				77	21	0.11	1.19
				78	22	0.10	0.94
				79	22	0.12	1.13
				80	20	0.09	1.12
				81	22	0.11	1.03
				82	21	0.11	1.19

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
5L	D	08 11 87	BULLHEAD MINNOW	83	21	0.11	1.19				
				84	22	0.12	1.13				
				85	21	0.13	1.40				
				86	22	0.12	1.13				
				87	20	0.10	1.25				
				88	20	0.08	1.00				
				89	19	0.09	1.31				
				90	16	0.08	1.95				
				91	19	0.09	1.31				
				92	17	0.09	1.83				
						GREEN SUNFISH	1	15	0.01	0.30	
						BLUEGILL	1	45	1.31	1.44	
							2	42	1.00	1.35	
							3	40	0.87	1.36	
							4	43	1.07	1.35	
							5	45	1.24	1.36	
							6	26	0.23	1.31	
						LONGEAR SUNFISH	1	58	3.07	1.57	
							2	35	0.51	1.19	
						JOHNNY DARTER	1	42	0.64	0.86	
							2	40	0.55	0.86	
				5R	A	08 03 87	TADPOLE MADTOM	1	30	0.42	1.56
							ROSYFACE SHINER	1	35	0.22	0.51
								2	30	0.12	0.44
								1	70	3.27	0.95
	2	74	3.40				0.84				
	3	58	1.80				0.92				
	4	31	0.23				0.77				
	5	30	0.22				0.81				
	6	22	0.07				0.66				
	7	22	0.07				0.66				
	8	26	0.12				0.68				
	9	30	0.21				0.78				
	10	28	0.15				0.68				
	11	30	0.21				0.78				
	12	29	0.20				0.82				
	13	28	0.20				0.91				
	14	26	0.13				0.74				
	15	26	0.09				0.51				
	16	28	0.15				0.68				
	17	26	0.09				0.51				
	18	25	0.08				0.51				
	19	25	0.08				0.51				
	20	28	0.14				0.64				
	21	25	0.11	0.70							
	22	28	0.13	0.59							
	23	32	0.23	0.70							
	24	27	0.13	0.66							
	25	26	0.12	0.68							
	26	30	0.18	0.67							
	27	26	0.12	0.68							
	28	33	0.22	0.61							
	29	29	0.20	0.82							
	30	29	0.16	0.66							
	31	26	0.13	0.74							
	32	25	0.12	0.77							
	33	27	0.13	0.66							
	34	26	0.14	0.80							
	35	26	0.13	0.74							
	36	25	0.12	0.77							
	37	25	0.12	0.77							
	38	27	0.14	0.71							
	39	30	0.18	0.67							
	40	25	0.10	0.64							
	41	29	0.15	0.62							
	42	26	0.11	0.63							
	43	21	0.06	0.65							
	44	24	0.10	0.72							
	45	23	0.08	0.66							
	46	29	0.16	0.66							
	47	31	0.23	0.77							
	48	27	0.14	0.71							

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	A	08 03 87	SPOTFIN SHINER	49	28	0.15	0.68
				50	25	0.10	0.64
				51	23	0.09	0.74
				52	23	0.09	0.74
				53	27	0.14	0.71
				54	25	0.11	0.70
				55	25	0.11	0.70
				56	24	0.10	0.72
				57	22	0.08	0.75
				58	24	0.09	0.65
				59	27	0.12	0.61
				60	23	0.09	0.74
				61	30	0.15	0.56
				62	21	0.05	0.54
				63	23	0.06	0.49
				64	23	0.08	0.66
				65	26	0.10	0.57
				66	22	0.08	0.75
				67	21	0.06	0.65
				68	19	0.04	0.58
				69	21	0.05	0.54
				70	24	0.07	0.51
				71	25	0.05	0.32
				72	22	0.05	0.47
				73	22	0.06	0.56
				74	21	0.05	0.54
				75	19	0.03	0.44
				76	22	0.07	0.66
				77	21	0.06	0.65
				78	23	0.07	0.58
				79	20	0.05	0.62
				80	20	0.05	0.62
				81	21	0.06	0.65
				82	20	0.06	0.75
				83	21	0.07	0.76
				84	19	0.04	0.58
				85	18	0.04	0.69
				86	20	0.05	0.62
				87	21	0.05	0.54
				88	18	0.03	0.51
				89	18	0.04	0.69
			SAND SHINER	1	49	0.86	0.73
				2	51	1.06	0.80
				3	50	0.96	0.77
				4	48	0.80	0.72
				5	49	0.92	0.78
				6	45	0.76	0.83
				7	46	0.93	0.96
				8	45	0.61	0.67
				9	48	0.90	0.81
				10	44	0.68	0.80
				11	45	0.72	0.79
				12	49	0.97	0.82
				13	47	0.79	0.76
				14	51	1.18	0.89
				15	50	1.03	0.82
				16	49	1.03	0.88
				17	46	0.78	0.80
				18	47	0.88	0.85
				19	48	0.90	0.81
				20	46	0.75	0.77
				21	47	0.68	0.65
				22	49	0.91	0.77
				23	41	0.59	0.86
				24	47	0.84	0.81
				25	49	0.92	0.78
				26	46	0.72	0.74
				27	47	0.81	0.78
				28	45	0.70	0.77
				29	46	0.78	0.80
				30	44	0.74	0.87
				31	44	0.64	0.75

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
5R	A	08 03 87	SAND SHINER	32	48	0.85	0.77				
				33	44	0.68	0.80				
				34	41	0.51	0.74				
				35	43	0.58	0.73				
				36	45	0.62	0.68				
				37	45	0.75	0.82				
				38	50	1.01	0.81				
				39	42	0.55	0.74				
				40	45	0.69	0.76				
				41	49	0.94	0.80				
				42	45	0.68	0.75				
				43	48	0.89	0.80				
				44	46	0.74	0.76				
				45	45	0.76	0.83				
				46	47	0.70	0.67				
				47	44	0.63	0.74				
				48	45	0.70	0.77				
				49	42	0.58	0.78				
				50	44	0.67	0.79				
				51	43	0.62	0.78				
				52	41	0.52	0.75				
				53	45	0.60	0.66				
				54	45	0.76	0.83				
				55	27	0.13	0.66				
				56	27	0.11	0.56				
				57	25	0.09	0.58				
				58	26	0.08	0.46				
				59	21	0.03	0.32				
				60	22	0.04	0.38				
				61	20	0.05	0.62				
				62	19	0.03	0.44				
				63	20	0.04	0.50				
				64	18	0.02	0.34				
				65	22	0.05	0.47				
				66	21	0.05	0.54				
				67	20	0.04	0.50				
				68	18	0.03	0.51				
				69	16	0.01	0.24				
				70	16	0.01	0.24				
							SUCKERMOUTH MINNOW	1	50	0.93	0.74
								2	52	1.16	0.82
								3	47	0.92	0.89
								4	45	0.70	0.77
								5	45	0.72	0.79
								6	41	0.55	0.80
							BLUNTNOSE MINNOW	1	67	2.57	0.85
								2	48	1.01	0.91
								3	48	0.82	0.74
								4	52	1.18	0.84
								5	52	1.22	0.87
								6	46	0.86	0.88
								7	55	1.20	0.72
								8	51	1.10	0.83
								9	45	0.77	0.84
								10	54	1.28	0.81
								11	53	1.23	0.83
								12	45	0.74	0.81
								13	47	0.80	0.77
								14	37	0.36	0.71
								15	32	0.21	0.64
								16	31	0.23	0.77
								17	30	0.18	0.67
								18	32	0.24	0.73
								19	33	0.25	0.70
								20	32	0.25	0.76
								21	27	0.12	0.61
								22	29	0.09	0.37
								23	31	0.17	0.57
								24	24	0.08	0.58
								25	30	0.20	0.74
				26	29	0.15	0.62				
				27	27	0.09	0.46				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL
5R	A	08 03 87	BLUNTNOSE MINNOW	28	23	0.07	0.58
				29	22	0.07	0.66
				30	20	0.05	0.62
			BULLHEAD MINNOW	1	55	1.48	0.89
				2	51	1.32	1.00
				3	51	1.18	0.89
				4	54	1.47	0.93
				5	50	1.03	0.82
				6	52	1.20	0.85
				7	48	1.03	0.93
				8	47	1.00	0.96
				9	46	0.73	0.75
				10	48	0.88	0.80
				11	43	0.59	0.74
				12	41	0.53	0.77
				13	28	0.18	0.82
				14	30	0.14	0.52
				15	26	0.11	0.63
				16	28	0.13	0.59
				17	24	0.08	0.58
			18	18	0.05	0.86	
			GOLDEN REDHORSE	1	55	1.39	0.84
				2	54	1.40	0.89
				3	54	1.29	0.82
				4	52	1.23	0.87
				5	44	0.70	0.82
				6	42	0.59	0.80
				7	44	0.71	0.83
				8	41	0.56	0.81
			CHANNEL CATFISH	1	59	1.50	0.73
				1	50	0.49	0.39
			BROOK SILVERSIDE	1	65	4.25	1.55
			GREEN SUNFISH	1	81	7.81	1.47
			ORANGESPOTTED SUNFISH	2	64	3.75	1.43
			LONGEAR SUNFISH	1	104	24.74	2.20
				2	83	11.28	1.97
				3	61	4.03	1.78
				4	57	3.15	1.70
				5	56	2.80	1.59
				6	60	3.51	1.62
				7	56	2.71	1.54
				8	51	1.87	1.41
				9	46	1.32	1.36
			LARGEMOUTH BASS	1	151	37.97	1.10
				2	67	3.96	1.32
				3	63	3.02	1.21
			JOHNNY DARTER	1	42	0.57	0.77
				2	37	0.33	0.65
				3	38	0.37	0.67
				4	36	0.32	0.69
5	40	0.44		0.69			
6	34	0.28		0.71			
7	34	0.26		0.66			
B		08 03 87	SPOTFIN SHINER	1	24	0.23	1.66
				2	30	0.28	1.04
				3	22	0.20	1.88
				4	26	0.24	1.37
				5	24	0.21	1.52
				6	20	0.18	2.25
				7	20	0.18	2.25
				8	21	0.18	1.94
				9	18	0.18	3.09
				10	44	0.77	0.90
SAND SHINER	2	45	0.89	0.98			
	3	48	1.10	0.99			
	4	49	1.11	0.94			
	5	45	0.87	0.95			
	6	46	0.99	1.02			
	7	49	1.02	0.87			
	8	45	0.85	0.93			
	9	46	1.00	1.03			
	10	45	0.97	1.06			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL				
5R	B	08 03 87	SAND SHINER	11	46	0.97	1.00				
				12	44	0.95	1.12				
				13	46	0.86	0.88				
				14	44	0.84	0.99				
				15	42	0.79	1.07				
				16	45	0.86	0.94				
				17	44	0.85	1.00				
				18	41	0.75	1.09				
				19	43	0.81	1.02				
				20	44	0.86	1.01				
				21	24	0.23	1.66				
				22	18	0.14	2.40				
				23	19	0.17	2.48				
				24	21	0.21	2.27				
				25	24	0.23	1.66				
							SUCKERMOUTH MINNOW	1	45	0.69	0.76
								2	49	0.91	0.77
							BLUNTNOSE MINNOW	3	39	0.46	0.78
								1	50	1.16	0.93
								2	55	1.37	0.82
								3	48	1.04	0.94
								4	50	1.12	0.90
								5	53	1.42	0.95
								6	46	0.81	0.83
								7	42	0.70	0.94
				8	51	1.36	1.03				
				9	49	1.09	0.93				
				10	50	1.19	0.95				
				11	51	1.32	1.00				
				12	47	0.98	0.94				
				13	43	0.67	0.84				
				14	45	0.76	0.83				
				15	49	1.04	0.88				
				16	30	0.31	1.15				
				17	32	0.34	1.04				
				18	32	0.36	1.10				
				19	28	0.29	1.32				
			BULLHEAD MINNOW	1	54	1.44	0.91				
				2	49	1.19	1.01				
				3	47	1.00	0.96				
				4	47	1.07	1.03				
				5	51	1.20	0.90				
				6	46	1.05	1.08				
				7	49	0.98	0.83				
				8	42	0.76	1.03				
				9	48	0.94	0.85				
				10	43	0.68	0.86				
				11	48	1.06	0.96				
				12	50	1.09	0.87				
			GOLDEN REDHORSE	1	55	1.63	0.98				
				2	45	1.03	1.13				
				3	45	0.89	0.98				
				4	47	1.17	1.13				
				5	46	1.05	1.08				
			CHANNEL CATFISH	1	44	0.88	1.03				
			BLACKSTRIPE TOPMINNOW	1	27	0.30	1.52				
			ORANGESPOTTED SUNFISH	1	82	9.86	1.79				
				2	58	1.92	0.98				
			LONGEAR SUNFISH	1	66	5.29	1.84				
				2	57	3.79	2.05				
				3	59	3.47	1.69				
				4	54	2.69	1.71				
				5	50	2.03	1.62				
				6	49	2.06	1.75				
			LARGEMOUTH BASS	1	75	5.21	1.23				
				2	65	3.21	1.17				
				3	67	3.60	1.20				
			JOHNNY DARTER	1	44	0.75	0.88				
C	08 11 87		GIZZARD SHAD	1	58	1.77	0.91				
				1	54	1.57	1.00				
				2	27	0.18	0.91				
				3	26	0.15	0.85				
			SPOTFIN SHINER								

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
5R	C	08 11 87	SPOTFIN SHINER	4	26	0.17	0.97	
				5	28	0.21	0.96	
				6	26	0.15	0.85	
				7	23	0.09	0.74	
				8	19	0.06	0.87	
			BLUNTNOSE MINNOW	1	48	1.21	1.09	
				2	48	1.14	1.03	
				3	21	0.06	0.65	
				4	19	0.05	0.73	
				1	47	0.96	0.92	
			BULLHEAD MINNOW	2	56	1.89	1.08	
				3	57	1.94	1.05	
				4	60	2.50	1.16	
				1	50	1.05	0.84	
			CHANNEL CATFISH	1	51	1.21	0.91	
	1	30		1.36	5.04			
	BLACKSTRIPE TOPMINNOW	2	21	0.12	1.30			
		1	134	30.82	1.28			
	BLACK CRAPPIE	1	39	0.46	0.78			
		2	46	0.79	0.81			
	JOHNNY DARTER	1	55	1.80	1.08			
		2	54	1.53	0.97			
	D	SPOTFIN SHINER	3	49	1.17	0.99		
			1	44	0.62	0.73		
			1	95	5.08	0.59		
	6L	A	08 03 87	BULLHEAD MINNOW	1	38	0.41	0.75
					2	42	0.50	0.67
				GRASS PICKEREL	3	40	0.40	0.62
					4	39	0.39	0.66
					5	40	0.46	0.72
					6	35	0.32	0.75
					7	23	0.06	0.49
					8	18	0.02	0.34
					1	82	9.80	1.78
					1	40	0.41	0.64
B		STRIPED SHINER	2	37	0.31	0.61		
			3	38	0.33	0.60		
			4	40	0.43	0.67		
			5	40	0.44	0.69		
			6	38	0.34	0.62		
			7	36	0.31	0.66		
			8	37	0.29	0.57		
			9	33	0.17	0.47		
			10	32	0.17	0.52		
			11	34	0.24	0.61		
			12	30	0.11	0.41		
			13	28	0.06	0.27		
			14	27	0.05	0.25		
			1	58	1.56	0.80		
			2	53	1.34	0.90		
3	47	1.03	0.99					
4	47	0.87	0.84					
5	48	1.07	0.97					
6	47	0.78	0.75					
7	44	0.69	0.81					
8	43	0.58	0.73					
9	41	0.45	0.65					
10	41	0.42	0.61					
11	22	0.05	0.47					
MIMIC SHINER	1	49	0.90	0.76				
	2	45	0.71	0.78				
	3	43	0.56	0.70				
	1	67	3.13	1.04				
	2	53	1.33	0.89				
C	08 11 87	STRIPED SHINER	1	42	0.53	0.72		
			2	34	0.26	0.66		
			3	36	0.32	0.69		
			4	31	0.17	0.57		
			5	30	0.16	0.59		
	SPOTFIN SHINER	1	34	0.23	0.59			
		2	31	0.18	0.60			
		3	26	0.10	0.57			

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL					
6L	C	08 11 87	SPOTFIN SHINER	4	30	0.16	0.59					
				5	31	0.19	0.64					
				6	30	0.19	0.70					
				7	27	0.14	0.71					
				8	26	0.10	0.57					
				9	28	0.12	0.55					
				10	28	0.12	0.55					
				11	28	0.13	0.59					
				12	24	0.08	0.58					
				13	25	0.09	0.58					
				14	25	0.09	0.58					
				15	23	0.07	0.58					
				16	23	0.08	0.66					
				D			JOHNNY DARTER	1	37	0.35	0.69	
								STRIPED SHINER	1	41	0.44	0.64
									ROSYFACE SHINER	1	17	0.03
SPOTFIN SHINER	1	25	0.09							0.58		
	2	22	0.06							0.56		
	3	21	0.04							0.43		
	4	21	0.05							0.54		
	BLUNTNOSE MINNOW	1	47							0.88	0.85	
		2	50							0.92	0.74	
		3	43							0.50	0.63	
		4	25							0.11	0.70	
	BLACKSTRIPE TOPMINNOW	1	29							0.16	0.66	
		2	28							0.16	0.73	
		3	27							0.15	0.76	
		4	25							0.13	0.83	
		5	25							0.13	0.83	
		6	24	0.12	0.87							
	6R	A	08 03 87	BLUEGILL	1	19	0.08	1.17				
					RED SHINER	1	40	0.61	0.95			
SPOTFIN SHINER						1	68	2.37	0.75			
						2	56	1.41	0.80			
						3	50	1.24	0.99			
						4	48	1.06	0.96			
						5	51	1.21	0.91			
						6	48	1.09	0.99			
						7	44	0.93	1.09			
						8	43	0.77	0.97			
						9	44	0.86	1.01			
						10	44	0.83	0.97			
						11	44	0.83	0.97			
						12	47	0.94	0.91			
						13	42	0.68	0.92			
						14	46	0.99	1.02			
						15	45	0.88	0.97			
	16	29	0.28	1.15								
	17	25	0.19	1.22								
B			SAND SHINER	1	47	0.96	0.92					
				2	46	0.90	0.92					
				MIMIC SHINER	1	43	0.67	0.84				
					2	41	0.64	0.93				
				BLUNTNOSE MINNOW	1	45	0.85	0.93				
					1	58	0.91	0.47				
				SPOTFIN SHINER	2	25	0.10	0.64				
					3	22	0.06	0.56				
					4	15	0.01	0.30				
					1	50	0.94	0.75				
				SAND SHINER	2	49	0.95	0.81				
					3	45	0.77	0.84				
					1	47	0.68	0.65				
				MIMIC SHINER	2	40	0.45	0.70				
					1	51	1.19	0.90				
				BLUNTNOSE MINNOW	2	51	1.12	0.84				
3	50	1.10	0.88									
4	52	1.21	0.86									
5	45	0.78	0.86									
1	38	0.40	0.73									
C	08 11 87		JOHNNY DARTER	1	25	0.09	0.58					
				SPOTFIN SHINER	2	27	0.10	0.51				
					3	23	0.07	0.58				

APPENDIX C-2. FISH CAUGHT IN THE KANKAKEE RIVER AND HORSE CREEK BY SEINE
 DURING AUGUST 1987 (CONTINUED).

STN	REP	DATE	SPECIES	ID NO.	LENGTH (MM)	WEIGHT (G)	KTL	
6R	C	08 11 87	SPOTFIN SHINER	4	27	0.11	0.56	
				5	26	0.11	0.63	
				6	20	0.06	0.75	
				7	20	0.04	0.50	
			8	17	0.02	0.41		
			BLUNTNOSE MINNOW	1	50	0.98	0.78	
				2	51	1.18	0.89	
			BLUEGILL	3	51	1.09	0.82	
				1	15	0.03	0.89	
			D			SLENDERHEAD DARTER	1	51
	1	50					1.06	0.85
	SPOTFIN SHINER	2				52	1.20	0.85
		3				20	0.05	0.62
		4				23	0.06	0.49
	5	22				0.06	0.56	
	6	18				0.04	0.69	
	7	21				0.05	0.54	
	8	21				0.07	0.76	
	9	13				0.01	0.46	
	MIMIC SHINER	10				12	0.01	0.58
		1				43	0.52	0.65
		1	62	2.38	1.00			
	BLUNTNOSE MINNOW	2	53	1.38	0.93			
3		23	0.06	0.49				

APPENDIX D-1. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1979	1	0.5	28.00	0.1	1	0.7	11.67	12.9	2	0.6	39.67	0.2	
	1981	1	0.4	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0	
	1985	1	0.3	28.00	0.1	0	0.0	0.00	0.0	1	0.1	28.00	0.1	
	TOTAL	3	0.4	57.00	0.0	1	0.1	11.67	1.4	4	0.2	68.67	0.1	
GIZZARD SHAD	1977	5	1.2	144.76	0.3	0	0.0	0.00	0.0	5	0.3	144.76	0.3	
	1978	69	23.3	475.40	2.4	0	0.0	0.00	0.0	69	16.9	475.40	2.4	
	1979	0	0.0	0.00	0.0	1	0.7	0.40	0.4	1	0.3	0.40	0.0	
	1981	1	0.4	265.00	0.4	0	0.0	0.00	0.0	1	0.3	265.00	0.4	
	1982	3	3.0	184.83	0.5	0	0.0	0.00	0.0	3	2.4	184.83	0.5	
	1983	1	0.7	240.00	0.6	0	0.0	0.00	0.0	1	0.6	240.00	0.6	
	1986	1	0.4	3.87	0.0	0	0.0	0.00	0.0	1	0.3	3.87	0.0	
	1987	18	6.6	2063.00	7.7	1	1.4	18.27	7.4	19	5.5	2081.27	7.7	
	TOTAL	98	5.0	3376.86	1.2	2	0.1	18.67	1.1	100	2.7	3395.53	1.2	
	GRASS PICKEREL	1977	1	0.2	53.00	0.1	0	0.0	0.00	0.0	1	0.1	53.00	0.1
1985		1	0.3	150.00	0.4	0	0.0	0.00	0.0	1	0.1	150.00	0.4	
1986		1	0.4	6.21	0.0	0	0.0	0.00	0.0	1	0.3	6.21	0.0	
TOTAL		3	0.3	209.21	0.2	0	0.0	0.00	0.0	3	0.1	209.21	0.2	
NORTHERN PIKE	1977	1	0.2	58.00	0.1	0	0.0	0.00	0.0	1	0.1	58.00	0.1	
	1978	1	0.3	530.00	2.7	0	0.0	0.00	0.0	1	0.2	530.00	2.7	
	1979	1	0.5	41.00	0.2	0	0.0	0.00	0.0	1	0.3	41.00	0.2	
	1981	1	0.4	682.00	1.1	0	0.0	0.00	0.0	1	0.3	682.00	1.1	
	1983	1	0.7	1230.00	2.9	0	0.0	0.00	0.0	1	0.6	1230.00	2.9	
	TOTAL	5	0.4	2541.00	1.3	0	0.0	0.00	0.0	5	0.2	2541.00	1.3	
	1986	1	0.4	1.02	0.0	0	0.0	0.00	0.0	1	0.3	1.02	0.0	
CENTRAL STONEROLLER	1977	12	2.8	8267.79	16.4	2	0.2	49.93	6.2	14	0.9	8317.72	16.3	
	1978	3	1.0	2003.00	10.2	0	0.0	0.00	0.0	3	0.7	2003.00	10.2	
	1979	2	1.0	3960.00	15.8	0	0.0	0.00	0.0	2	0.6	3960.00	15.8	
	1981	11	4.1	5090.00	8.0	0	0.0	0.00	0.0	11	3.1	5090.00	8.0	
	1982	2	2.0	1315.00	3.6	0	0.0	0.00	0.0	2	1.6	1315.00	3.6	
	1983	9	6.7	3201.14	7.7	0	0.0	0.00	0.0	9	5.4	3201.14	7.7	
	1984	1	0.6	590.00	1.5	0	0.0	0.00	0.0	1	0.4	590.00	1.5	
	1985	1	0.3	4082.00	11.2	0	0.0	0.00	0.0	1	0.1	4082.00	11.1	
	1986	1	0.4	3084.00	12.5	0	0.0	0.00	0.0	1	0.3	3084.00	12.4	
	1987	2	0.7	1840.00	6.9	0	0.0	0.00	0.0	2	0.6	1840.00	6.8	
	TOTAL	44	1.8	33432.93	9.2	2	0.1	49.93	2.1	46	0.9	33482.86	9.1	
	SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	1	0.9	0.51	0.8	1	0.2	0.51	0.0
		1979	0	0.0	0.00	0.0	1	0.7	0.29	0.3	1	0.3	0.29	0.0
		TOTAL	0	0.0	0.00	0.0	2	0.8	0.80	0.5	2	0.3	0.80	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.51	0.2	2	0.1	1.51	0.0	
	1979	0	0.0	0.00	0.0	3	2.2	1.38	1.5	3	0.9	1.38	0.0	
	1984	0	0.0	0.00	0.0	1	0.9	0.34	0.2	1	0.4	0.34	0.0	
	1985	0	0.0	0.00	0.0	3	0.5	2.35	0.5	3	0.3	2.35	0.0	
	TOTAL	0	0.0	0.00	0.0	9	0.4	5.58	0.4	9	0.3	5.58	0.0	
PALLID CHUB	1986	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0	
	TOTAL	0	0.0	0.00	0.0	2	3.0	0.40	0.2	2	0.6	0.40	0.0	
GOLDEN SHINER	1981	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0	
	TOTAL	1	0.4	11.00	0.0	0	0.0	0.00	0.0	1	0.3	11.00	0.0	
EMERALD SHINER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0	
	1984	2	1.2	7.42	0.0	0	0.0	0.00	0.0	2	0.7	7.42	0.0	
	TOTAL	3	0.5	11.29	0.0	0	0.0	0.00	0.0	3	0.2	11.29	0.0	
STRIPED SHINER	1977	0	0.0	0.00	0.0	26	2.2	16.50	2.1	26	1.6	16.50	0.0	
	1978	1	0.3	4.61	0.0	4	3.5	1.32	2.1	5	1.2	5.93	0.0	
	1979	0	0.0	0.00	0.0	44	32.1	10.02	11.1	44	13.1	10.02	0.0	
	1982	0	0.0	0.00	0.0	2	8.3	3.23	8.5	2	1.6	3.23	0.0	
	1983	0	0.0	0.00	0.0	12	35.3	4.18	12.2	12	7.1	4.18	0.0	
	1984	0	0.0	0.00	0.0	4	3.7	1.52	0.8	4	1.5	1.52	0.0	
	1985	4	1.0	2.57	0.0	31	5.3	18.82	4.0	35	3.6	21.39	0.1	
	1986	1	0.4	8.67	0.0	3	4.5	3.26	1.4	4	1.3	11.93	0.0	
	1987	1	0.4	0.75	0.0	2	2.7	0.03	0.0	3	0.9	0.78	0.0	
	TOTAL	7	0.3	16.60	0.0	128	5.3	58.88	2.7	135	3.0	75.48	0.0	
	RED SHINER	1985	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
		TOTAL	0	0.0	0.00	0.0	1	0.2	0.77	0.2	1	0.1	0.77	0.0
	ROSYFACE SHINER	1977	10	2.3	5.61	0.0	18	1.5	7.44	0.9	28	1.7	13.05	0.0
1978		1	0.3	4.20	0.0	84	74.3	37.33	60.3	85	20.8	41.53	0.2	
1979		0	0.0	0.00	0.0	3	2.2	0.75	0.8	3	0.9	0.75	0.0	
1982		1	1.0	0.73	0.0	0	0.0	0.00	0.0	1	0.8	0.73	0.0	
1983		0	0.0	0.00	0.0	1	2.9	0.30	0.9	1	0.6	0.30	0.0	
1985		0	0.0	0.00	0.0	50	8.5	10.04	2.2	50	5.1	10.04	0.0	
1986		6	2.4	7.57	0.0	0	0.0	0.00	0.0	6	1.9	7.57	0.0	
1987		1	0.4	1.89	0.0	0	0.0	0.00	0.0	1	0.3	1.89	0.0	
TOTAL		19	0.9	20.00	0.0	156	7.0	55.86	2.8	175	4.1	75.86	0.0	
SPOTFIN SHINER		1977	24	5.6	112.09	0.2	191	16.1	167.59	20.9	215	13.3	279.68	0.5
	1978	18	6.1	69.37	0.4	2	1.8	5.39	8.7	20	4.9	74.76	0.4	
	1979	1	0.5	3.80	0.0	55	40.1	40.95	45.4	56	16.7	44.75	0.2	
	1981	9	3.3	32.23	0.1	20	22.7	18.54	7.4	29	8.1	50.77	0.1	
	1982	4	4.0	15.16	0.0	4	16.7	17.79	46.8	8	6.5	32.95	0.1	
	1983	3	2.2	7.69	0.0	18	52.9	29.21	84.9	21	12.5	36.90	0.1	
	1984	12	7.5	32.19	0.1	95	88.8	136.26	73.7	107	39.9	168.45	0.4	
	1985	26	6.8	113.24	0.3	142	24.1	81.02	17.4	168	17.4	194.26	0.5	
	1986	12	4.8	25.03	0.1	5	7.5	9.73	4.2	17	5.3	34.76	0.1	
	1987	63	23.1	81.39	0.3	37	50.0	20.14	8.1	100	28.8	101.53	0.4	
	TOTAL	172	6.9	492.19	0.1	569	23.5	526.62	21.9	741	15.1	1018.81	0.3	
	SAND SHINER	1977	2	0.5	1.95	0.0	142	12.0	62.60	7.8	144	8.9	64.55	0.1
		1978	0	0.0	0.00	0.0	2	1.8	2.08	3.4	2	0.5	2.08	0.0
		1979	0	0.0	0.00	0.0	14	10.2	5.68	6.3	14	4.2	5.68	0.0
1981		0	0.0	0.00	0.0	1	1.1	0.62	0.2	1	0.3	0.62	0.0	
1982		0	0.0	0.00	0.0	4	16.7	1.35	3.5	4	3.2	1.35	0.0	
1984		0	0.0	0.00	0.0	1	0.9	0.55	0.3	1	0.4	0.55	0.0	
1985		1	0.3	0.94	0.0	42	7.1	10.92	2.3	43	4.4	11.86	0.0	
1986		2	0.8	2.84	0.0	4	6.0	3.11	1.4	6	1.9	5.95	0.0	
1987		0	0.0	0.00	0.0	9	12.2	3.44	1.4	9	2.6	3.44	0.0	
TOTAL		5	0.2	5.73	0.0	219	9.2	90.35	3.8	224	4.7	96.08	0.0	

APPENDIX D-1 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT	NO.	NO.	WT(G)	WT	
REDFIN SHINER	1984	0	0.0	0.00	0.0	1	0.9	1.10	0.6	1	0.4	1.10	0.0
	1987	0	0.0	0.00	0.0	4	5.4	2.40	1.0	4	1.2	2.40	0.0
	TOTAL	0	0.0	0.00	0.0	5	2.8	3.50	0.8	5	0.3	3.50	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.09	0.0	1	0.1	0.09	0.0
	1982	0	0.0	0.00	0.0	3	12.5	3.34	8.8	3	2.4	3.34	0.0
	1987	3	1.1	3.00	0.0	0	0.0	0.00	0.0	3	0.9	3.00	0.0
	TOTAL	3	0.4	3.00	0.0	4	0.3	3.43	0.3	7	0.3	5.43	0.0
SUCKERMOUTH MINNOW	1981	0	0.0	0.00	0.0	2	2.3	0.58	0.2	2	0.6	0.58	0.0
	1982	0	0.0	0.00	0.0	2	8.3	2.07	5.4	2	1.6	2.07	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.99	0.2	1	0.1	0.99	0.0
	1986	0	0.0	0.00	0.0	1	1.5	0.32	0.1	1	0.3	0.32	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.8	3.96	0.4	6	0.3	3.96	0.0
BLUNTNOSTE MINNOW	1977	7	1.6	25.22	0.1	264	22.2	92.79	11.6	271	16.8	118.01	0.2
	1978	7	2.4	17.12	0.1	1	0.9	0.37	0.6	8	2.0	17.49	0.1
	1979	8	4.0	24.12	0.1	4	2.9	3.78	4.2	12	3.6	27.90	0.1
	1981	2	0.7	8.53	0.0	16	18.2	14.14	5.6	18	5.0	22.67	0.0
	1982	2	2.0	3.31	0.0	3	12.5	3.54	9.3	5	4.0	6.85	0.0
	1983	2	1.5	5.56	0.0	0	0.0	0.00	0.0	2	1.2	5.56	0.0
	1984	3	1.9	4.37	0.0	1	0.9	1.46	0.8	4	1.5	5.83	0.0
	1985	21	5.5	55.48	0.2	231	39.3	156.73	33.6	252	26.0	212.21	0.6
	1986	18	7.1	28.59	0.1	39	58.2	40.15	17.5	57	17.9	68.74	0.3
	1987	10	3.7	17.20	0.1	6	8.1	3.39	1.4	16	4.6	20.59	0.1
	TOTAL	80	3.2	189.50	0.1	565	23.4	316.35	13.2	645	13.1	505.85	0.1
BULLHEAD MINNOW	1977	32	7.5	75.06	0.1	112	9.4	102.26	12.8	144	8.9	177.32	0.3
	1978	1	0.3	2.78	0.0	0	0.0	0.00	0.0	1	0.2	2.78	0.0
	1979	2	1.0	5.75	0.0	0	0.0	0.00	0.0	2	0.6	5.75	0.0
	1981	1	0.4	8.00	0.0	11	12.5	7.70	3.1	12	3.4	15.70	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.18	0.5	1	0.8	0.18	0.0
	1984	3	1.9	12.19	0.0	1	0.9	1.10	0.6	4	1.5	13.29	0.0
	1985	2	0.5	12.44	0.0	7	1.2	12.29	2.6	9	0.9	24.73	0.1
	1986	1	0.4	1.87	0.0	0	0.0	0.00	0.0	1	0.3	1.87	0.0
	1987	1	0.4	1.04	0.0	0	0.0	0.00	0.0	1	0.3	1.04	0.0
	TOTAL	43	1.8	119.13	0.0	132	5.5	123.53	5.2	175	3.7	242.66	0.1
CREEK CHUB	1982	0	0.0	0.00	0.0	1	4.2	0.54	1.4	1	0.8	0.54	0.0
	TOTAL	0	0.0	0.00	0.0	1	4.2	0.54	1.4	1	0.8	0.54	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	344	29.0	24.79	3.1	344	21.3	24.79	0.0
	1983	0	0.0	0.00	0.0	1	2.9	0.07	0.2	1	0.6	0.07	0.0
	TOTAL	0	0.0	0.00	0.0	345	28.3	24.86	3.0	345	19.4	24.86	0.0
RIVER CARPSUCKER	1977	0	0.0	0.00	0.0	1	0.1	2.15	0.3	1	0.1	2.15	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	2.15	0.3	1	0.1	2.15	0.0
QUILLBACK	1977	2	0.5	412.48	0.8	0	0.0	0.00	0.0	2	0.1	412.48	0.8
	1978	3	1.0	2215.00	11.3	0	0.0	0.00	0.0	3	0.7	2215.00	11.3
	1979	3	1.5	1065.00	4.3	0	0.0	0.00	0.0	3	0.9	1065.00	4.2
	1981	4	1.5	1520.00	2.4	0	0.0	0.00	0.0	4	1.1	1520.00	2.4
	1982	1	1.0	320.00	0.9	0	0.0	0.00	0.0	1	0.8	320.00	0.9
	1983	17	12.7	9194.00	22.0	0	0.0	0.00	0.0	17	10.1	9194.00	22.0
	1984	11	6.8	6605.00	16.5	0	0.0	0.00	0.0	11	4.1	6605.00	16.4
	1985	8	2.1	2973.00	8.2	0	0.0	0.00	0.0	8	0.8	2973.00	8.1
	1986	2	0.8	1320.00	5.3	0	0.0	0.00	0.0	2	0.6	1320.00	5.3
	1987	5	1.8	2905.00	10.9	0	0.0	0.00	0.0	5	1.4	2905.00	10.8
	TOTAL	56	2.2	28529.48	7.8	0	0.0	0.00	0.0	56	1.1	28529.48	7.8
WHITE SUCKER	1979	2	1.0	741.00	3.0	0	0.0	0.00	0.0	2	0.6	741.00	2.9
	1981	1	0.4	500.00	0.8	0	0.0	0.00	0.0	1	0.3	500.00	0.8
	1983	3	2.2	1255.00	3.0	0	0.0	0.00	0.0	3	1.8	1255.00	3.0
	1985	1	0.3	151.00	0.4	0	0.0	0.00	0.0	1	0.1	151.00	0.4
	TOTAL	7	0.7	2647.00	1.6	0	0.0	0.00	0.0	7	0.4	2647.00	1.6
NORTHERN HOGSUCKER	1977	1	0.2	324.00	0.6	0	0.0	0.00	0.0	1	0.1	324.00	0.6
	1978	1	0.3	625.00	3.2	0	0.0	0.00	0.0	1	0.2	625.00	3.2
	1979	3	1.5	1088.00	4.3	0	0.0	0.00	0.0	3	0.9	1088.00	4.3
	1981	2	0.7	1710.00	2.7	0	0.0	0.00	0.0	2	0.6	1710.00	2.7
	1982	3	3.0	1080.00	3.0	0	0.0	0.00	0.0	3	2.4	1080.00	3.0
	1983	6	4.5	1149.00	2.8	0	0.0	0.00	0.0	6	3.6	1149.00	2.7
	1984	7	4.3	3042.00	7.6	0	0.0	0.00	0.0	7	2.6	3042.00	7.6
	1985	3	0.8	1038.82	2.9	0	0.0	0.00	0.0	3	0.3	1038.82	2.8
	1986	5	2.0	948.00	3.8	0	0.0	0.00	0.0	5	1.6	948.00	3.8
	1987	1	0.4	370.00	1.4	0	0.0	0.00	0.0	1	0.3	370.00	1.4
	TOTAL	32	1.3	11374.82	3.1	0	0.0	0.00	0.0	32	0.7	11374.82	3.1
SMALLMOUTH BUFFALO	1977	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
	TOTAL	1	0.2	570.00	1.1	0	0.0	0.00	0.0	1	0.1	570.00	1.1
BIGMOUTH BUFFALO	1983	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
	TOTAL	1	0.7	3405.00	8.1	0	0.0	0.00	0.0	1	0.6	3405.00	8.1
SPOTTED SUCKER	1977	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
	TOTAL	1	0.2	3.87	0.0	0	0.0	0.00	0.0	1	0.1	3.87	0.0
SILVER REDHORSE	1977	7	1.6	1311.00	2.6	2	0.2	9.86	1.2	9	0.6	1320.86	2.6
	1978	5	1.7	3119.00	15.9	0	0.0	0.00	0.0	5	1.2	3119.00	15.9
	1979	9	4.5	4927.00	19.7	2	1.5	3.00	3.3	11	3.3	4930.00	19.6
	1981	17	6.3	10965.00	17.2	0	0.0	0.00	0.0	17	4.7	10965.00	17.1
	1982	17	17.0	15116.00	41.6	0	0.0	0.00	0.0	17	13.7	15116.00	41.6
	1983	6	4.5	5045.00	12.1	0	0.0	0.00	0.0	6	3.6	5045.00	12.1
	1984	12	7.5	14195.00	35.5	0	0.0	0.00	0.0	12	4.5	14195.00	35.3
	1986	1	0.4	55.00	0.2	0	0.0	0.00	0.0	1	0.3	55.00	0.2
	TOTAL	74	4.0	54733.00	18.2	4	0.2	12.86	0.8	78	2.2	54745.86	18.1
RIVER REDHORSE	1977	23	5.4	1519.00	3.0	0	0.0	0.00	0.0	23	1.4	1519.00	3.0
	1978	1	0.3	144.00	0.7	0	0.0	0.00	0.0	1	0.2	144.00	0.7
	1979	12	6.1	287.00	1.1	0	0.0	0.00	0.0	12	3.6	287.00	1.1
	1981	4	1.5	502.00	0.8	0	0.0	0.00	0.0	4	1.1	502.00	0.8
	1982	1	1.0	880.00	2.4	0	0.0	0.00	0.0	1	0.8	880.00	2.4
	1983	1	0.7	46.00	0.1	0	0.0	0.00	0.0	1	0.6	46.00	0.1
	1984	1	0.6	35.00	0.1	0	0.0	0.00	0.0	1	0.4	35.00	0.1
	1985	1	0.3	64.00	0.2	0	0.0	0.00	0.0	1	0.1	64.00	0.2
	1986	34	13.5	2063.61	8.3	1	1.5	21.00	9.1	35	11.0	2084.61	8.4
	1987	3	1.1										

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
GOLDEN REDHORSE	1977	75	17.6	18989.61	37.7	1	0.1	55.00	5.9	76	4.7	19044.61	37.3
	1978	25	8.4	2310.00	11.8	0	0.0	0.00	0.0	25	6.1	2310.00	11.8
	1979	17	8.6	3771.00	15.1	0	0.0	0.00	0.0	17	5.1	3771.00	15.0
	1981	50	18.5	5266.80	8.3	0	0.0	0.00	0.0	50	14.0	5266.80	8.2
	1982	20	20.0	7025.00	19.3	0	0.0	0.00	0.0	20	16.1	7025.00	19.3
	1983	30	22.4	10257.00	24.5	0	0.0	0.00	0.0	30	17.9	10257.00	24.5
	1984	58	36.0	9860.92	24.6	0	0.0	0.00	0.0	58	21.6	9860.92	24.6
	1985	33	8.5	3791.24	10.4	27	4.6	60.66	13.0	60	6.2	3851.90	10.4
	1986	70	27.8	8978.77	36.3	4	6.0	37.40	16.3	74	23.2	9016.17	36.3
	1987	50	18.3	6456.72	24.2	0	0.0	0.00	0.0	50	14.4	6456.72	24.2
TOTAL	428	17.2	76707.06	21.0	32	1.3	153.66	6.4	460	9.4	76860.72	21.0	
SHORTHEAD REDHORSE	1977	70	16.4	9553.81	19.0	0	0.0	0.00	0.0	70	4.3	9553.81	18.7
	1978	24	8.1	867.00	4.4	0	0.0	0.00	0.0	24	5.9	867.00	4.4
	1979	3	1.5	164.00	0.7	0	0.0	0.00	0.0	3	0.9	164.00	0.7
	1981	58	21.5	23050.00	36.2	0	0.0	0.00	0.0	58	16.2	23050.00	36.1
	1982	7	7.0	4290.00	11.8	0	0.0	0.00	0.0	7	5.6	4290.00	11.8
	1983	3	2.2	574.00	1.4	0	0.0	0.00	0.0	3	1.8	574.00	1.4
	1984	6	3.7	313.00	0.8	0	0.0	0.00	0.0	6	2.2	313.00	0.8
	1985	7	1.3	2239.57	6.1	4	0.7	6.77	1.5	11	1.1	2246.34	6.1
	1986	13	5.2	1851.30	7.5	0	0.0	0.00	0.0	13	4.1	1851.30	7.5
	1987	4	1.5	2350.00	8.8	0	0.0	0.00	0.0	4	1.2	2350.00	8.7
TOTAL	195	7.8	45252.68	12.4	4	0.2	6.77	0.3	199	4.1	45259.45	12.3	
UNIDENTIFIED REDHORSE	1977	9	2.1	21.79	0.0	11	0.9	20.19	2.5	20	1.2	41.98	0.1
	1978	1	0.3	1.09	0.0	7	6.2	4.63	7.5	8	2.0	5.72	0.0
	1979	0	0.0	0.00	0.0	1	0.7	0.23	0.3	1	0.3	0.23	0.0
	1981	0	0.0	0.00	0.0	15	17.0	5.09	2.0	15	4.2	5.09	0.0
	TOTAL	10	0.8	22.88	0.0	34	2.2	30.14	2.5	44	1.6	53.02	0.0
YELLOW BULLHEAD	1985	2	0.5	242.00	0.7	0	0.0	0.00	0.0	2	0.2	242.00	0.7
	1986	1	0.4	30.00	0.1	0	0.0	0.00	0.0	1	0.3	30.00	0.1
TOTAL	3	0.5	272.00	0.4	0	0.0	0.00	0.0	3	0.2	272.00	0.4	
CHANNEL CATFISH	1977	3	0.7	309.00	0.6	0	0.0	0.00	0.0	3	0.2	309.00	0.6
	1978	1	0.3	435.00	2.2	0	0.0	0.00	0.0	1	0.2	435.00	2.2
	1979	3	1.5	768.00	3.1	0	0.0	0.00	0.0	3	0.9	768.00	3.1
	1981	3	1.1	3040.00	4.8	1	1.1	0.22	0.1	4	1.1	3040.22	4.8
	1986	1	0.4	380.00	1.5	0	0.0	0.00	0.0	1	0.3	380.00	1.5
	TOTAL	11	0.8	4932.00	2.7	1	0.1	0.22	0.0	12	0.4	4932.22	2.7
STONEC	1977	3	0.7	53.00	0.1	0	0.0	0.00	0.0	3	0.2	53.00	0.1
	1978	2	0.7	33.00	0.2	0	0.0	0.00	0.0	2	0.5	33.00	0.2
	1981	1	0.4	40.00	0.1	0	0.0	0.00	0.0	1	0.3	40.00	0.1
	1984	1	0.6	19.00	0.0	0	0.0	0.00	0.0	1	0.4	19.00	0.0
	1985	1	0.3	19.46	0.1	0	0.0	0.00	0.0	1	0.1	19.46	0.1
	1987	1	0.4	7.36	0.0	0	0.0	0.00	0.0	1	0.3	7.36	0.0
TOTAL	9	0.5	171.82	0.1	0	0.0	0.00	0.0	9	0.2	171.82	0.1	
BLACKSTRIFE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.40	0.0	1	0.1	0.40	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	1987	0	0.0	0.00	0.0	1	1.4	0.14	0.1	1	0.3	0.14	0.0
TOTAL	0	0.0	0.00	0.0	3	0.2	0.55	0.0	3	0.1	0.55	0.0	
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	8	0.7	4.77	0.6	8	0.5	4.77	0.6
	1985	0	0.0	0.00	0.0	8	1.4	1.98	0.4	8	0.8	1.98	0.4
TOTAL	0	0.0	0.00	0.0	16	0.9	6.75	0.5	16	0.6	6.75	0.6	
ROCK BASS	1977	39	9.2	2171.91	4.3	8	0.7	64.90	8.1	47	2.9	2236.81	4.4
	1978	20	6.8	742.00	3.8	0	0.0	0.00	0.0	20	4.9	742.00	3.8
	1979	24	12.1	1576.00	6.3	0	0.0	0.00	0.0	24	7.2	1576.00	6.3
	1981	32	11.9	3460.00	5.4	0	0.0	0.00	0.0	32	8.9	3460.00	5.4
	1982	8	8.0	540.00	1.5	0	0.0	0.00	0.0	8	6.5	540.00	1.5
	1983	8	6.0	861.00	2.1	0	0.0	0.00	0.0	8	4.8	861.00	2.1
	1984	5	3.1	655.00	1.6	0	0.0	0.00	0.0	5	1.9	655.00	1.6
	1985	93	24.3	4144.49	11.4	0	0.0	0.00	0.0	93	9.6	4144.49	11.2
	1986	20	7.9	2197.65	8.9	1	1.5	96.00	41.8	21	6.6	2293.65	9.2
	1987	27	9.9	2252.89	8.4	0	0.0	0.00	0.0	27	7.8	2252.89	8.4
TOTAL	276	11.1	18600.94	5.1	9	0.4	160.90	6.7	285	5.8	18761.84	5.1	
GREEN SUNFISH	1977	8	1.9	91.42	0.2	3	0.3	27.52	3.4	11	0.7	118.94	0.2
	1978	9	3.0	157.00	0.8	0	0.0	0.00	0.0	9	2.2	157.00	0.8
	1979	9	4.5	207.00	0.8	0	0.0	0.00	0.0	9	2.7	207.00	0.8
	1981	6	2.2	137.00	0.2	0	0.0	0.00	0.0	6	1.7	137.00	0.2
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.8	30.00	0.1
	1983	1	0.7	11.00	0.0	0	0.0	0.00	0.0	1	0.6	11.00	0.0
	1984	2	1.2	43.00	0.1	0	0.0	0.00	0.0	2	0.7	43.00	0.1
	1985	15	3.9	317.01	0.9	0	0.0	0.00	0.0	15	1.5	317.01	0.9
	1987	3	1.1	4.59	0.0	1	1.4	0.02	0.0	4	1.2	4.61	0.0
	TOTAL	54	2.4	998.02	0.3	4	0.2	27.54	1.3	58	1.3	1025.56	0.3
ORANGESPOTTED SUNFISH	1979	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	1981	3	1.1	14.00	0.0	4	4.5	14.29	5.7	7	2.0	28.29	0.0
	1982	0	0.0	0.00	0.0	1	4.2	0.21	0.6	1	0.8	0.21	0.0
	1985	8	2.1	37.42	0.1	0	0.0	0.00	0.0	8	0.8	37.42	0.1
	1986	4	1.6	31.31	0.1	0	0.0	0.00	0.0	4	1.3	31.31	0.1
	TOTAL	16	1.3	91.73	0.0	5	0.6	14.50	1.3	21	1.0	106.23	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	13	1.1	1.92	0.2	13	0.8	1.92	0.0
	1978	10	3.4	91.00	0.5	0	0.0	0.00	0.0	10	2.4	91.00	0.5
	1981	0	0.0	0.00	0.0	1	1.1	2.72	1.1	1	0.3	2.72	0.0
	1985	0	0.0	0.00	0.0	25	4.3	2.71	0.6	25	2.6	2.71	0.0
	1986	2	0.8	26.00	0.1	0	0.0	0.00	0.0	2	0.6	26.00	0.1
	1987	1	0.4	15.00	0.1	1	1.4	0.08	0.0	2	0.6	15.08	0.1
TOTAL	13	0.7	132.00	0.1	40	1.9	7.43	0.4	53	1.3	139.43	0.1	
NORTHERN LONGEAR SUNFISH	1977	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
	TOTAL	16	3.8	257.69	0.5	0	0.0	0.00	0.0	16	1.0	257.69	0.5
LONGEAR SUNFISH	1977	7	1.6	87.83	0.2	9	0.8	3.25	0.4	16	1.0	91.08	0.2
	1978	38	12.8	745.64	3.8	0	0.0	0.00	0.0	38	9.3	745.64	3.8
	1979	39	19.7	665.03	2.7	0	0.0	0.00	0.0	39	11.6	665.03	2.6
	1981	17	6.3	448.00	0.7	2	2.3	2.45	1.0	19	5.3	450.45	0.7
	1982	3	3.0	90.00	0.2	0	0.0	0.00	0.0	3	2.4	90.00	0.2
	1983	2	1.5	53.00	0.1	0	0.0	0.00	0.0	2	1.2	53.00	0.1
	1985	28	7.3	488.29	1.3	2	0.3	43.25	9.3	30	3.1	531.54	1.4
	1986	16	6.3	221.72	0.9								

APPENDIX D-1 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
GREEN SUNFISH HYBRID	1981	1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
TOTAL		1	0.4	10.00	0.0	0	0.0	0.00	0.0	1	0.3	10.00	0.0
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	1.1	0.08	0.0	1	0.3	0.08	0.0
1982	0	0.0	0.00	0.0	1	4.2	0.05	0.1	1	0.8	0.05	0.0	
TOTAL		0	0.0	0.00	0.0	2	1.8	0.13	0.0	2	0.4	0.13	0.0
SMALLMOUTH BASS	1977	51	12.0	5357.10	10.6	2	0.2	11.75	1.5	53	3.3	5368.85	10.5
1978	51	17.2	4993.47	25.3	0	0.0	0.00	0.0	51	12.5	4993.47	25.4	
1979	51	25.8	5504.84	22.0	1	0.7	3.95	4.4	52	15.5	5508.79	21.9	
1981	32	11.9	5066.00	8.0	2	2.3	11.43	4.6	34	9.5	5077.43	7.9	
1982	27	27.0	5452.00	15.0	2	8.3	5.74	15.1	29	23.4	5457.74	15.0	
1983	39	29.1	5150.72	12.3	0	0.0	0.00	0.0	39	23.2	5150.72	12.3	
1984	36	22.4	4576.00	11.4	1	0.9	42.00	22.7	37	13.8	4618.00	11.5	
1985	124	32.4	15825.92	43.5	12	2.0	55.69	12.0	136	14.0	15881.61	43.1	
1986	38	15.1	3422.43	13.8	1	1.5	12.69	5.5	39	12.2	3435.12	13.8	
1987	50	18.3	7455.93	27.9	0	0.0	0.00	0.0	50	14.4	7455.93	27.7	
TOTAL		499	20.0	62804.41	17.2	21	0.9	143.25	6.0	520	10.6	62947.66	17.2
LARGEMOUTH BASS	1977	5	1.2	137.00	0.3	1	0.1	14.62	1.8	6	0.4	151.62	0.3
1978	3	1.0	10.53	0.1	2	1.8	5.53	8.9	5	1.2	16.06	0.1	
1979	2	1.0	16.80	0.1	1	0.7	2.56	2.8	3	0.9	19.36	0.1	
1981	2	0.7	365.00	0.6	0	0.0	0.00	0.0	2	0.6	365.00	0.6	
1983	1	0.7	95.00	0.2	0	0.0	0.00	0.0	1	0.6	95.00	0.2	
1986	1	0.4	19.00	0.1	0	0.0	0.00	0.0	1	0.3	19.00	0.1	
1987	1	0.4	5.30	0.0	3	4.1	21.44	8.7	4	1.2	26.74	0.1	
TOTAL		15	0.8	648.63	0.3	7	0.4	44.15	2.6	22	0.6	692.78	0.3
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	6	0.9	2.69	0.3	6	0.4	2.69	0.0
1978	0	0.0	0.00	0.0	4	3.5	2.76	4.5	4	1.0	2.76	0.0	
1979	2	1.0	101.00	0.4	2	1.5	1.92	2.1	4	1.2	102.92	0.4	
1981	7	2.6	877.00	1.4	4	4.5	166.00	66.1	11	3.1	1043.00	1.6	
1984	1	0.6	43.00	0.1	0	0.0	0.00	0.0	1	0.4	43.00	0.1	
TOTAL		10	0.7	1021.00	0.5	16	1.0	173.37	12.5	26	0.9	1194.37	0.6
BLACK CRAPPIE	1977	3	0.7	49.03	0.1	16	1.3	54.34	6.8	19	1.2	103.37	0.2
1979	1	0.5	31.00	0.1	4	2.9	3.58	4.0	5	1.5	34.58	0.1	
1981	2	0.7	237.00	0.4	8	9.1	7.11	2.8	10	2.8	244.11	0.4	
TOTAL		6	0.7	317.03	0.2	28	2.0	65.03	5.7	34	1.5	382.06	0.3
JOHNNY DARTER	1977	1	0.2	1.16	0.0	3	0.3	1.75	0.2	4	0.2	2.91	0.0
1978	0	0.0	0.00	0.0	6	5.3	1.99	3.2	6	1.5	1.99	0.0	
1983	0	0.0	0.00	0.0	2	5.9	0.64	1.9	2	1.2	0.64	0.0	
1984	0	0.0	0.00	0.0	2	1.9	0.63	0.3	2	0.7	0.63	0.0	
1986	0	0.0	0.00	0.0	4	6.0	1.04	0.5	4	1.3	1.04	0.0	
TOTAL		1	0.1	1.16	0.0	17	1.1	6.05	0.5	18	0.6	7.21	0.0
LOG PERCH	1987	1	0.4	3.06	0.0	0	0.0	0.00	0.0	1	0.3	3.06	0.0
TOTAL		1	0.4	3.06	0.0	0	0.0	0.00	0.0	1	0.3	3.06	0.0
BLACKSIDE DARTER	1978	1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
TOTAL		1	0.3	2.08	0.0	0	0.0	0.00	0.0	1	0.2	2.08	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	1	0.2	0.80	0.2	1	0.1	0.80	0.0
1986	0	0.0	0.00	0.0	1	1.5	1.96	0.9	1	0.3	1.96	0.0	
TOTAL		0	0.0	0.00	0.0	2	0.3	2.76	0.4	2	0.2	2.76	0.0
WALLEYE	1977	6	1.4	337.00	0.7	0	0.0	0.00	0.0	6	0.4	337.00	0.7
1979	2	1.0	59.00	0.2	0	0.0	0.00	0.0	2	0.6	59.00	0.2	
1981	1	0.4	382.00	0.6	0	0.0	0.00	0.0	1	0.3	382.00	0.6	
TOTAL		9	1.0	778.00	0.6	0	0.0	0.00	0.0	9	0.4	778.00	0.6

APPENDIX D-2. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1977	1	0.6	81.00	0.7	0	0.0	0.00	0.0	1	0.1	81.00	0.7	
	1979	1	1.4	1940.00	9.7	0	0.0	0.00	0.0	1	0.4	1940.00	9.5	
	1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	1	0.1	15.00	0.1	
	1986	1	0.5	2.00	0.0	0	0.0	0.00	0.0	1	0.4	2.00	0.0	
	TOTAL	4	0.6	2038.00	3.0	0	0.0	0.00	0.0	4	0.2	2038.00	2.9	
GIZZARD SHAD	1977	1	0.6	30.00	0.3	0	0.0	0.00	0.0	1	0.1	30.00	0.2	
	1978	74	50.7	489.58	3.3	0	0.0	0.00	0.0	74	35.1	489.58	3.3	
	1981	2	1.6	10.64	0.0	0	0.0	0.00	0.0	2	1.1	10.64	0.0	
	1985	5	2.3	50.20	0.4	0	0.0	0.00	0.0	5	0.7	50.20	0.4	
	1986	7	3.6	882.10	3.7	0	0.0	0.00	0.0	7	2.6	882.10	3.7	
	1987	11	6.4	237.30	1.8	0	0.0	0.00	0.0	11	3.5	237.30	1.8	
	TOTAL	100	9.8	1699.92	1.6	0	0.0	0.00	0.0	100	3.8	1699.92	1.6	
	GRASS PICKEREL	1981	1	0.8	64.00	0.2	0	0.0	0.00	0.0	1	0.6	64.00	0.2
1984		3	1.5	36.00	0.2	0	0.0	0.00	0.0	3	1.2	36.00	0.2	
1985		1	0.5	66.00	0.5	0	0.0	0.00	0.0	1	0.1	66.00	0.5	
1986		2	1.0	31.00	0.1	0	0.0	0.00	0.0	2	0.8	31.00	0.1	
1987		1	0.6	16.00	0.1	1	0.7	14.53	5.2	2	0.6	30.53	0.2	
TOTAL		8	0.9	213.00	0.2	1	0.1	14.53	1.0	9	0.5	227.53	0.2	
NORTHERN PIKE		1981	1	0.8	860.00	3.0	0	0.0	0.00	0.0	1	0.6	860.00	3.0
		1982	1	1.8	1702.00	5.5	0	0.0	0.00	0.0	1	1.4	1702.00	5.5
	1986	1	0.5	735.00	3.1	0	0.0	0.00	0.0	1	0.4	735.00	3.1	
	TOTAL	3	0.6	3297.00	4.0	0	0.0	0.00	0.0	3	0.6	3297.00	3.9	
	CARP	1977	1	0.6	1000.00	8.6	0	0.0	0.00	0.0	1	0.1	1000.00	8.1
1978		3	2.1	2208.00	15.0	1	1.5	112.00	70.5	4	1.9	2320.00	15.6	
1979		3	4.3	2355.00	11.8	0	0.0	0.00	0.0	3	1.3	2355.00	11.7	
1981		8	6.5	6145.00	21.4	0	0.0	0.00	0.0	8	4.4	6145.00	21.3	
1982		16	28.6	21386.00	69.6	0	0.0	0.00	0.0	16	21.9	21386.00	69.5	
1985		1	0.5	1290.00	9.6	0	0.0	0.00	0.0	1	0.1	1290.00	9.2	
1987		1	0.6	3175.00	24.1	0	0.0	0.00	0.0	1	0.3	3175.00	23.6	
TOTAL		33	3.5	37559.00	28.4	1	0.1	112.00	5.5	34	1.3	37671.00	28.0	
SILVERJAW MINNOW		1979	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
		TOTAL	0	0.0	0.00	0.0	1	0.6	0.16	0.1	1	0.4	0.16	0.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.2	1.19	0.2	2	0.2	1.19	0.0	
	1978	0	0.0	0.00	0.0	1	1.5	0.43	0.3	1	0.5	0.43	0.0	
	1979	0	0.0	0.00	0.0	2	1.3	1.50	1.1	2	0.9	1.50	0.0	
	1985	6	2.8	33.28	0.2	12	2.5	12.82	2.3	18	2.6	46.10	0.3	
	1986	1	0.5	6.61	0.0	1	1.4	7.72	2.0	2	0.8	14.33	0.1	
	1987	2	1.2	26.67	0.2	2	1.4	1.27	0.5	4	1.3	27.94	0.2	
	TOTAL	9	0.9	66.56	0.1	20	1.1	24.93	1.1	29	1.1	91.49	0.1	
	EMERALD SHINER	1983	1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1
TOTAL		1	1.7	9.50	0.1	0	0.0	0.00	0.0	1	0.6	9.50	0.1	
STRIPED SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.41	0.1	1	0.1	0.41	0.0	
	1978	0	0.0	0.00	0.0	13	20.0	4.36	2.7	13	6.2	4.36	0.0	
	1982	0	0.0	0.00	0.0	5	29.4	1.68	4.3	5	6.8	1.68	0.0	
	1983	0	0.0	0.00	0.0	47	40.9	17.30	9.5	47	26.9	17.30	0.2	
	1984	1	0.5	2.97	0.0	2	3.6	0.20	0.4	3	1.2	3.17	0.0	
	1985	7	3.3	23.20	0.2	51	10.6	29.83	5.4	58	8.3	53.03	0.4	
	1986	1	0.5	4.49	0.0	0	0.0	0.00	0.0	1	0.4	4.49	0.0	
	1987	1	0.6	11.00	0.1	1	0.7	0.34	0.1	2	0.6	11.34	0.1	
	TOTAL	10	0.8	41.66	0.0	120	6.8	54.12	2.3	130	4.4	95.78	0.1	
	RED SHINER	1984	0	0.0	0.00	0.0	1	1.8	0.45	1.0	1	0.4	0.45	0.0
1985		1	0.5	5.28	0.0	1	0.2	0.97	0.2	2	0.3	6.25	0.0	
TOTAL		1	0.2	5.28	0.0	2	0.4	1.42	0.2	3	0.3	6.70	0.0	
ROSYFACE SHINER	1977	3	1.8	1.88	0.0	40	4.9	17.92	2.5	43	4.3	19.80	0.2	
	1981	1	0.8	0.98	0.0	0	0.0	0.00	0.0	1	0.6	0.98	0.0	
	1983	1	1.7	0.20	0.0	0	0.0	0.00	0.0	1	0.6	0.20	0.0	
	1985	0	0.0	0.00	0.0	43	8.9	15.24	2.8	43	6.2	15.24	0.1	
	1986	7	3.6	11.82	0.1	0	0.0	0.00	0.0	7	2.6	11.82	0.0	
	1987	1	0.6	1.42	0.0	0	0.0	0.00	0.0	1	0.3	1.42	0.0	
	TOTAL	13	1.4	16.30	0.0	84	4.9	33.16	1.1	97	7.7	49.46	0.1	
	SPOTFIN SHINER	1977	28	16.8	128.18	1.1	217	26.4	256.02	36.0	245	24.7	384.20	3.1
1978		7	4.8	24.51	0.2	3	4.6	7.69	4.8	10	4.7	32.20	0.2	
1979		1	1.4	3.82	0.0	77	49.0	65.41	47.0	78	34.4	69.23	0.3	
1981		4	3.2	10.58	0.0	15	26.3	17.59	11.6	19	10.5	28.17	0.1	
1982		10	17.9	45.66	0.1	3	17.6	10.46	26.9	13	17.8	56.12	0.2	
1983		8	13.3	28.38	0.3	20	17.4	33.58	18.5	28	16.0	61.96	0.7	
1984		3	1.5	10.78	0.1	35	63.6	31.57	70.2	38	14.9	42.35	0.2	
1985		12	5.6	55.68	0.4	92	19.1	75.64	13.7	104	14.9	131.32	0.9	
1986		17	8.8	36.86	0.2	12	16.7	21.72	5.7	29	10.9	58.58	0.2	
1987		20	11.6	26.71	0.2	35	24.1	10.69	3.8	55	17.3	37.40	0.3	
TOTAL	110	7.8	371.16	0.2	509	25.6	530.37	20.1	619	18.2	901.53	0.5		
SAND SHINER	1977	1	0.6	0.87	0.0	111	13.5	57.68	8.1	112	11.3	58.55	0.5	
	1978	0	0.0	0.00	0.0	9	13.8	2.07	1.3	9	4.3	2.07	0.0	
	1979	0	0.0	0.00	0.0	38	24.2	22.98	16.5	38	16.7	22.98	0.1	
	1981	1	0.8	0.36	0.0	0	0.0	0.00	0.0	1	0.6	0.36	0.0	
	1983	2	3.3	2.18	0.0	9	7.8	5.66	3.1	11	6.3	7.84	0.1	
	1984	1	0.5	0.46	0.0	1	1.8	0.41	0.9	2	0.8	0.87	0.0	
	1985	0	0.0	0.00	0.0	42	8.7	19.58	3.5	42	6.0	19.58	0.1	
	1986	0	0.0	0.00	0.0	1	1.4	2.05	0.5	1	0.4	2.05	0.0	
	1987	3	1.7	2.25	0.0	16	11.0	12.69	4.5	19	6.0	14.94	0.1	
	TOTAL	8	0.6	6.12	0.0	227	11.5	123.12	4.7	235	7.1	129.24	0.1	
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0	
TOTAL	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0		
MIMIC SHINER	1977	0	0.0	0.00	0.0	4	0.5	1.24	0.2	4	0.4	1.24	0.0	
	1985	0	0.0	0.00	0.0	2	0.4	1.76	0.3	2	0.3	1.76	0.0	
	1986	0	0.0	0.00	0.0	4	5.6	3.80	1.0	4	1.5	3.80	0.0	
	1987	1	0.6	0.76	0.0	24	16.6	16.48	5.9	25	7.9	17.24	0.1	
	TOTAL	1	0.1	0.76	0.0	34	2.2	23.28	1.2	35	1.5	24.04	0.0	
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.1	0.51	0.3	2	0.9	0.51	0.0	
	1979	0	0.0	0.00	0.0	1	0.5	0.31	0.2	1	0.4	0.31	0.0	
	1982	1	1.8	1.85	0.0	3	17.6	1.50	3.9	4	5.5	3.35	0.0	
	1983	2	3.3	2.15	0.0	0	0.0	0.00	0.0	2	1.1	2.15	0.0	
	1985	0	0.0	0.00	0.0	5	1.0	4.35	0.8	5	0.7	4.35	0.0	
	1987	1	0.6	0.88	0.0	0	0.0	0.00	0.0	1	0.3	0.88	0.0	
TOTAL	4	0.6	4.68	0.0	11									

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLUNTNOSE MINNOW	1977	5	3.0	7.59	0.1	132	16.0	82.69	11.6	137	13.3	90.23	0.7
	1978	0	0.0	0.00	0.0	20	30.8	22.00	13.8	20	9.5	22.00	0.1
	1979	1	1.4	2.45	0.0	28	17.8	33.06	23.7	29	12.3	35.51	0.2
	1981	1	0.8	0.28	0.0	7	12.3	3.14	2.1	8	4.4	3.42	0.0
	1982	0	0.0	0.00	0.0	4	23.5	5.22	13.4	4	5.5	5.22	0.0
	1983	0	0.0	0.00	0.0	33	28.7	45.22	24.9	33	18.9	45.22	0.5
	1984	18	9.0	31.67	0.2	3	5.5	2.28	5.1	21	8.2	33.95	0.2
	1985	11	5.1	28.93	0.2	43	8.9	46.42	8.4	54	7.7	75.35	0.5
	1986	10	5.2	22.83	0.1	14	19.4	34.18	9.0	24	9.0	57.01	0.2
	1987	8	4.6	11.59	0.1	43	29.7	55.84	19.9	51	16.0	67.43	0.5
TOTAL	54	3.8	105.34	0.1	327	16.4	330.05	12.5	381	11.2	435.39	0.2	
BULLHEAD MINNOW	1977	31	18.6	90.61	0.8	178	21.6	215.58	30.3	209	21.1	306.19	2.5
	1978	14	9.6	41.92	0.3	2	3.1	3.66	2.3	16	7.6	45.58	0.3
	1979	2	2.9	6.06	0.0	4	2.5	6.53	4.7	6	2.6	12.59	0.1
	1981	1	0.8	5.83	0.0	8	14.0	5.50	3.6	9	5.0	11.33	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.05	0.1	1	1.4	0.05	0.0
	1983	1	1.7	2.97	0.0	3	2.6	3.08	2.8	4	2.3	7.65	0.1
	1984	2	1.0	4.00	0.0	3	5.5	6.87	15.3	5	2.0	10.87	0.1
	1985	0	0.0	0.00	0.0	61	12.7	123.12	22.3	61	8.8	123.12	0.9
	1986	0	0.0	0.00	0.0	3	4.2	4.29	1.1	3	1.1	4.29	0.0
	1987	3	1.7	4.97	0.0	4	2.8	2.99	1.1	7	2.2	7.96	0.1
TOTAL	54	3.8	155.96	0.1	267	13.4	373.67	14.2	321	9.5	529.63	0.3	
CREEK CHUB	1978	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0
TOTAL	0	0.0	0.00	0.0	3	4.6	1.16	0.7	3	1.4	1.16	0.0	
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0
TOTAL	0	0.0	0.00	0.0	103	12.5	5.46	0.8	103	10.4	5.46	0.0	
QUILLBACK	1977	1	0.6	450.00	3.9	0	0.0	0.00	0.0	1	0.1	450.00	3.6
	1978	3	2.1	1990.00	13.5	0	0.0	0.00	0.0	3	1.4	1990.00	13.4
	1979	2	2.9	655.00	3.3	0	0.0	0.00	0.0	2	0.9	655.00	3.2
	1981	2	1.6	765.00	2.7	0	0.0	0.00	0.0	2	1.1	765.00	2.7
	1982	2	3.6	970.00	3.2	0	0.0	0.00	0.0	2	2.7	970.00	3.2
	1983	8	13.3	3850.00	45.5	0	0.0	0.00	0.0	8	4.6	3850.00	44.5
	1984	5	2.5	3170.00	18.6	0	0.0	0.00	0.0	5	2.0	3170.00	18.5
	1985	5	2.3	2268.00	16.9	0	0.0	0.00	0.0	5	0.7	2268.00	16.2
	1986	6	3.1	3495.00	14.9	0	0.0	0.00	0.0	6	2.3	3495.00	14.6
	1987	2	1.2	1415.00	10.7	0	0.0	0.00	0.0	2	0.6	1415.00	10.5
TOTAL	36	2.6	19028.00	10.5	0	0.0	0.00	0.0	36	1.1	19028.00	10.3	
WHITE SUCKER	1981	1	0.8	25.00	0.1	0	0.0	0.00	0.0	1	0.6	25.00	0.1
	1982	1	1.8	490.00	1.6	0	0.0	0.00	0.0	1	1.4	490.00	1.6
	TOTAL	2	1.1	515.00	0.9	0	0.0	0.00	0.0	2	0.8	515.00	0.9
NORTHERN HOGSUCKER	1981	2	1.6	555.00	1.9	0	0.0	0.00	0.0	2	0.8	555.00	1.9
	1985	1	0.5	310.00	2.3	0	0.0	0.00	0.0	1	0.1	310.00	2.2
	1986	2	1.0	432.00	1.8	0	0.0	0.00	0.0	2	0.8	432.00	1.8
	TOTAL	5	0.9	1297.00	2.0	0	0.0	0.00	0.0	5	0.4	1297.00	1.9
SILVER REDHORSE	1977	3	1.8	927.00	7.9	0	0.0	0.00	0.0	3	0.3	927.00	7.5
	1978	6	4.1	4123.00	28.0	2	3.1	1.14	0.7	8	3.8	4124.14	27.7
	1979	5	7.1	2845.00	14.2	1	0.6	1.96	1.4	6	2.6	2846.96	14.1
	1981	13	10.5	6218.00	21.7	0	0.0	0.00	0.0	13	7.2	6218.00	21.6
	1982	2	3.6	1525.00	5.0	0	0.0	0.00	0.0	2	2.7	1525.00	5.0
	1983	3	5.0	1116.00	13.2	0	0.0	0.00	0.0	3	1.7	1116.00	12.9
	1984	9	4.5	1851.00	10.8	0	0.0	0.00	0.0	9	3.5	1851.00	10.8
	1985	1	0.5	425.00	3.2	0	0.0	0.00	0.0	1	0.1	425.00	3.0
	1986	8	4.1	3761.00	16.0	0	0.0	0.00	0.0	8	3.0	3761.00	15.7
	TOTAL	50	4.1	22791.00	13.5	3	0.2	3.10	0.1	53	1.7	22794.10	13.4
RIVER REDHORSE	1977	5	3.0	312.00	2.7	0	0.0	0.00	0.0	5	0.5	312.00	2.5
	1978	2	1.4	584.00	4.0	0	0.0	0.00	0.0	2	0.9	584.00	3.9
	1979	4	5.7	1362.00	6.8	0	0.0	0.00	0.0	4	1.8	1362.00	6.8
	1981	1	0.8	215.00	0.8	0	0.0	0.00	0.0	1	0.6	215.00	0.7
	1982	1	1.8	1120.00	3.6	0	0.0	0.00	0.0	1	1.4	1120.00	3.6
	1983	1	1.7	480.00	5.7	0	0.0	0.00	0.0	1	0.6	480.00	5.6
	1984	2	1.0	1480.00	8.7	0	0.0	0.00	0.0	2	0.8	1480.00	8.7
	1986	6	3.1	85.33	0.4	0	0.0	0.00	0.0	6	2.3	85.33	0.4
	TOTAL	22	2.2	5638.33	3.6	0	0.0	0.00	0.0	22	0.9	5638.33	3.6
	BLACK REDHORSE	1985	1	0.5	2.35	0.0	0	0.0	0.00	0.0	1	0.1	2.35
1986	1	0.5	38.02	0.2	0	0.0	0.00	0.0	1	0.4	38.02	0.2	
TOTAL	2	0.5	40.37	0.1	0	0.0	0.00	0.0	2	0.2	40.37	0.1	
GOLDEN REDHORSE	1977	13	7.8	4143.00	35.5	0	0.0	0.00	0.0	13	1.3	4143.00	33.5
	1978	11	7.5	4344.00	29.5	0	0.0	0.00	0.0	11	5.2	4344.00	29.2
	1979	15	21.4	5027.00	25.1	0	0.0	0.00	0.0	15	6.6	5027.00	24.9
	1981	23	18.5	7912.00	27.6	0	0.0	0.00	0.0	23	12.7	7912.00	27.5
	1982	5	8.9	1212.00	3.9	0	0.0	0.00	0.0	5	6.8	1212.00	3.9
	1983	3	5.0	1055.00	12.5	0	0.0	0.00	0.0	3	1.7	1055.00	12.2
	1984	39	19.5	7848.00	46.0	0	0.0	0.00	0.0	39	15.3	7848.00	45.9
	1985	25	11.6	2905.69	21.7	95	19.7	125.54	22.8	120	17.2	3031.23	21.7
	1986	48	24.7	10135.46	43.1	1	1.4	18.02	4.8	49	18.4	10153.48	42.5
	1987	16	9.2	3931.00	29.8	0	0.0	0.00	0.0	16	5.0	3931.00	29.2
TOTAL	198	14.1	48513.15	26.7	96	4.8	143.56	5.4	294	8.7	48656.71	26.4	
SHORTHEAD REDHORSE	1977	4	2.4	754.26	6.5	0	0.0	0.00	0.0	4	0.4	754.26	6.1
	1978	2	1.4	76.00	0.5	0	0.0	0.00	0.0	2	0.9	76.00	0.5
	1979	1	1.4	600.00	3.0	0	0.0	0.00	0.0	1	0.4	600.00	3.0
	1981	5	4.0	1457.00	5.1	0	0.0	0.00	0.0	5	2.8	1457.00	5.1
	1982	1	1.8	485.00	1.6	0	0.0	0.00	0.0	1	1.4	485.00	1.6
	1984	1	0.5	43.00	0.3	0	0.0	0.00	0.0	1	0.4	43.00	0.3
	1985	5	2.3	123.05	0.9	10	2.1	20.36	3.7	15	2.2	143.41	1.0
	1986	10	5.2	1572.17	6.7	0	0.0	0.00	0.0	10	3.8	1572.17	6.6
	TOTAL	29	2.5	5110.48	3.2	10	0.6	20.36	0.9	39	7.3	5130.84	3.2
	UNIDENTIFIED REDHORSE	1977	1	0.6	1.77	0.0	2	0.2	1.94	0.3	3	0.3	3.71
1978	5	3.4	6.59	0.0	0	0.0	0.00	0.0	5	2.4	6.59	0.0	
1981	0	0.0	0.00	0.0	2	1.5	0.57	0.4	2	1.1	0.57	0.0	
1983	0	0.0	0.00	0.0	1	0.9	0.76	0.4	1	0.6	0.76	0.0	
TOTAL	6	1.2	8.36	0.0	5	0.5	3.27	0.3	11	0.7	11.63	0.0	
CHANNEL CATFISH	1977	1	0.0	625.00	5.4	0	0.0	0.00	0.0	1	0.1	625.00	5.0
	1978	1	0.7	25.00	0.2	0	0.0	0.00	0.0	1	0.5	25.00	0.2
	1987	2											

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
STONEC	1978	1	0.7	70.00	0.5	0	0.0	0.00	0.0	1	0.5	70.00	0.5	
	1979	1	1.4	44.00	0.2	0	0.0	0.00	0.0	1	0.4	44.00	0.2	
	1984	1	0.5	20.00	0.1	0	0.0	0.00	0.0	1	0.4	20.00	0.1	
	1985	1	0.5	0.70	0.0	0	0.0	0.00	0.0	1	0.1	0.70	0.0	
	TOTAL	4	0.6	134.70	0.2	0	0.0	0.00	0.0	4	0.3	134.70	0.2	
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.41	0.1	1	0.1	0.41	0.0	
	1983	1	1.7	1.31	0.0	1	0.9	1.92	1.1	2	1.1	3.23	0.0	
	1986	2	1.0	4.53	0.0	0	0.0	0.00	0.0	2	0.8	4.53	0.0	
	1987	1	0.6	2.60	0.0	0	0.0	0.00	0.0	1	0.3	2.60	0.0	
	TOTAL	4	0.7	8.44	0.0	2	0.2	2.33	0.2	6	0.3	10.77	0.0	
ROCK BASS	1977	15	9.0	940.25	8.1	7	0.9	22.42	3.2	22	2.2	962.67	7.8	
	1978	3	2.1	254.00	1.7	0	0.0	0.00	0.0	3	1.4	254.00	1.7	
	1979	8	11.4	802.00	4.0	2	1.3	0.45	0.3	10	4.4	802.45	4.0	
	1981	11	8.9	980.00	3.4	7	12.3	2.65	1.8	18	9.9	982.65	3.4	
	1982	3	5.4	122.00	0.4	0	0.0	0.00	0.0	3	4.1	122.00	0.4	
	1983	5	8.3	416.00	4.9	0	0.0	0.00	0.0	5	2.9	416.00	4.8	
	1984	10	5.0	549.00	3.2	0	0.0	0.00	0.0	10	3.9	549.00	3.2	
	1985	71	33.0	2673.69	19.9	1	0.2	14.50	2.6	72	10.3	2688.19	19.2	
	1986	13	6.7	750.00	3.2	18	25.0	196.80	51.9	31	11.7	946.80	4.0	
	1987	14	8.1	675.00	5.1	0	0.0	0.00	0.0	14	4.4	675.00	5.0	
	TOTAL	153	10.9	8161.94	4.5	35	1.8	236.82	9.0	188	5.5	8398.76	4.6	
	GREEN SUNFISH	1977	3	1.8	27.43	0.2	0	0.0	0.00	0.0	3	0.3	27.43	0.2
1978		1	0.7	5.00	0.0	0	0.0	0.00	0.0	1	0.5	5.00	0.0	
1981		2	1.6	4.00	0.0	1	1.8	3.70	2.5	3	1.7	7.70	0.0	
1982		1	1.8	20.00	0.1	0	0.0	0.00	0.0	1	1.4	20.00	0.1	
1983		5	8.3	56.49	0.7	0	0.0	0.00	0.0	5	2.9	56.49	0.7	
1984		20	10.0	266.51	1.6	0	0.0	0.00	0.0	20	7.8	266.51	1.6	
1986		2	1.0	6.14	0.0	1	1.4	0.03	0.0	3	1.1	6.17	0.0	
1987		3	1.7	34.67	0.3	0	0.0	0.00	0.0	3	0.9	34.67	0.3	
TOTAL		37	3.3	420.24	0.3	2	0.1	3.73	0.2	39	1.6	423.97	0.3	
WARMOUTH	1987	1	0.6	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1	
	TOTAL	1	0.6	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1	
ORANGESPOTTED SUNFISH	1977	1	0.6	8.66	0.1	0	0.0	0.00	0.0	1	0.1	8.66	0.1	
	1981	5	4.0	29.85	0.1	4	7.0	5.72	3.8	9	5.0	35.57	0.1	
BLUEGILL	1977	0	0.0	0.00	0.0	4	0.5	0.94	0.1	4	0.4	0.94	0.0	
	1978	1	0.7	10.00	0.1	0	0.0	0.00	0.0	1	0.5	10.00	0.1	
NORTHERN LONGEAR SUNFISH	1982	1	1.8	10.00	0.0	0	0.0	0.00	0.0	1	1.4	10.00	0.0	
	1983	2	3.3	44.00	0.5	0	0.0	0.00	0.0	2	1.1	44.00	0.5	
	1984	1	0.5	18.00	0.1	0	0.0	0.00	0.0	1	0.4	18.00	0.1	
	1986	1	0.5	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0	
	1987	10	5.8	154.05	1.2	1	0.7	0.10	0.0	11	3.5	154.15	1.1	
	TOTAL	16	1.6	244.05	0.2	5	0.4	1.04	0.1	21	0.9	245.09	0.2	
LONGEAR SUNFISH	1977	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1	
	TOTAL	21	12.6	389.30	3.3	0	0.0	0.00	0.0	21	2.1	389.30	3.1	
UNIDENTIFIED SUNFISH	1977	2	1.2	39.26	0.3	5	0.6	2.32	0.3	7	0.7	41.58	0.3	
	1978	9	6.2	193.00	1.3	0	0.0	0.00	0.0	9	4.3	193.00	1.3	
	1979	11	15.7	291.00	1.5	1	0.6	6.44	4.6	12	5.3	297.44	1.5	
	1981	16	12.9	660.00	2.3	7	12.3	96.17	63.7	23	12.7	756.17	2.6	
	1982	6	10.7	131.00	0.4	1	5.9	20.00	51.4	7	9.6	151.00	0.5	
	1983	6	10.0	106.53	1.3	0	0.0	0.00	0.0	6	3.4	106.53	1.2	
	1984	63	31.5	664.33	3.9	0	0.0	0.00	0.0	63	24.7	664.33	3.9	
	1985	28	13.0	331.75	2.5	1	0.2	9.83	1.8	29	4.2	341.58	2.4	
	1986	37	19.1	517.94	2.2	9	12.5	70.95	18.7	46	17.3	588.89	2.5	
	1987	61	35.3	709.43	5.4	6	4.1	102.53	36.5	67	21.1	811.96	6.0	
	TOTAL	239	17.0	3644.24	2.0	30	1.5	308.24	11.7	269	7.9	3952.48	2.1	
SMALLMOUTH BASS	1977	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0	
	1978	0	0.0	0.00	0.0	3	5.3	0.52	0.3	3	1.7	0.52	0.0	
	1979	14	8.4	1381.96	11.8	1	0.1	5.48	0.8	15	1.5	1387.44	11.2	
	1981	2	1.4	272.00	1.8	0	0.0	0.00	0.0	2	0.9	272.00	1.8	
	1982	9	12.9	3102.00	15.5	0	0.0	0.00	0.0	9	4.0	3102.00	15.4	
	1983	16	12.9	1824.00	6.4	0	0.0	0.00	0.0	16	8.8	1824.00	6.3	
	1984	4	7.1	1506.27	4.9	0	0.0	0.00	0.0	4	5.5	1506.27	4.9	
	1985	7	11.7	1174.27	13.9	0	0.0	0.00	0.0	7	4.0	1174.27	13.6	
	1986	21	10.5	1067.00	6.3	1	1.8	0.46	1.0	22	8.6	1067.46	6.2	
	1987	31	14.4	2808.04	20.9	11	2.3	40.59	7.4	42	6.0	2848.63	20.4	
	1988	11	5.7	988.00	4.2	1	1.4	14.28	3.8	12	4.5	1002.28	4.2	
	TOTAL	9	5.2	1188.90	9.0	1	0.7	56.59	20.2	10	3.1	1245.49	9.3	
LARGEMOUTH BASS	1977	124	8.8	15312.44	8.4	15	0.8	117.40	4.5	139	4.1	15429.84	8.4	
	1978	5	3.0	95.39	0.8	1	0.1	8.00	1.1	6	0.6	104.39	0.8	
	1979	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.5	6.00	0.0	
	1981	1	1.4	5.00	0.0	0	0.0	0.00	0.0	1	0.4	5.00	0.0	
	1982	2	1.6	343.00	1.2	0	0.0	0.00	0.0	2	1.1	343.00	1.2	
	1983	3	5.0	90.00	1.1	0	0.0	0.00	0.0	3	1.7	90.00	1.0	
	TOTAL	12	2.1	540.39	0.6	1	0.1	8.00	0.6	13	0.7	548.39	0.6	
	WHITE CRAPPIE	1977	0	0.0	0.00	0.0	1	0.1	1.76	0.2	1	0.1	1.76	0.0
		1979	3	4.3	203.00	1.0	0	0.0	0.00	0.0	3	1.3	203.00	1.0
		1981	4	3.2	241.00	0.8	1	1.8	14.00	9.3	5	2.8	255.00	0.9
		1983	1	1.7	29.00	0.3	1	0.9	72.00	39.7	2	1.1	101.00	1.2
TOTAL		8	1.9	473.00	0.7	3	0.3	87.76	7.4	11	0.7	560.76	0.8	
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	5	0.6	19.04	2.7	5	0.5	19.04	0.2	
	1981	0	0.0	0.00	0.0	2	3.5	1.44	1.0	2	1.1	1.44	0.0	
JOHNNY DARTER	1977	0	0.0	0.00	0.0	7	0.8	20.48	2.4	7	0.6	20.48	0.0	
	1978	1	0.6	0.93	0.0	4	0.5	1.88	0.3	5	0.5	2.81	0.0	
	1979	0	0.0	0.00	0.0	9	13.8	3.90	2.5	9	4.3	3.90	0.0	
	1984	0	0.0	0.00	0.0	2	1.3	0.48	0.3	2	0.9	0.48	0.0	
	1985	0	0.0	0.00	0.0	9	16.4	2.73	6.1	9	3.5	2.73	0.0	
	1986	0	0.0	0.00	0.0	6	1.2	5.16	0.9	6	0.9	5.16	0.0	
	1987	0	0.0	0.00	0.0	4	5.6	1.98	0.5	4	1.5	1.98	0.0	
	TOTAL	0	0.0	0.00	0.0	9	6.2	3.97	1.4	9	2.8	3.97	0.0	
	TOTAL	1	0.1	0.93	0.0	43	2.4	20.10	0.9	44	1.5	21.03	0.0	

APPENDIX D-2 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 1R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.13	0.0	1	0.1	0.13	0.0
YELLOW PERCH	1977	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
	TOTAL	1	0.6	6.46	0.1	1	0.1	7.53	1.1	2	0.2	13.99	0.1
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.7	1.46	0.5	1	0.3	1.46	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.7	1.46	0.5	1	0.3	1.46	0.0
BLACKSIDE DARTER	1985	1	0.5	1.42	0.0	2	0.4	2.75	0.5	3	0.4	4.17	0.0
	1987	1	0.6	1.23	0.0	1	0.7	1.29	0.5	2	0.6	2.52	0.0
	TOTAL	2	0.5	2.65	0.0	3	0.5	4.04	0.5	5	0.5	6.69	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.58	0.1	1	0.1	0.58	0.0
	1985	0	0.0	0.00	0.0	4	0.8	3.34	0.6	4	0.6	3.34	0.0
	1986	0	0.0	0.00	0.0	3	4.2	3.22	0.8	3	1.1	3.22	0.0
	TOTAL	0	0.0	0.00	0.0	8	0.6	7.24	0.4	8	0.4	7.24	0.0
WALLEYE	1977	5	3.0	230.00	2.0	0	0.0	0.00	0.0	5	0.5	230.00	1.9
	1979	2	2.9	794.00	4.0	0	0.0	0.00	0.0	2	0.9	794.00	3.9
	1981	1	0.8	123.00	1.1	0	0.0	0.00	0.0	1	0.5	123.00	1.1
	1982	1	1.8	5.47	0.0	0	0.0	0.00	0.0	1	1.4	5.47	0.0
	TOTAL	9	2.2	1352.47	1.5	0	0.0	0.00	0.0	9	0.6	1352.47	1.5

APPENDIX D-3. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
LONGNOSE GAR	1981	1	0.2	0.67	0.0	0	0.0	0.00	0.0	1	0.1	0.67	0.0
	1985	4	0.7	135.00	0.6	0	0.0	0.00	0.0	4	0.3	135.00	0.6
	1987	4	0.6	68.00	0.2	0	0.0	0.00	0.0	4	0.3	68.00	0.2
	TOTAL	9	0.5	203.67	0.2	0	0.0	0.00	0.0	9	0.3	203.67	0.2
GIZZARO SHAD	1977	295	47.9	3509.43	7.9	57	4.2	96.19	12.1	352	17.8	3605.62	7.9
	1978	21	9.2	166.00	1.6	0	0.0	0.00	0.0	21	6.8	166.00	1.6
	1981	86	20.0	8682.05	15.9	0	0.0	0.00	0.0	86	9.6	8682.05	15.8
	1982	14	10.2	1777.48	4.9	0	0.0	0.00	0.0	14	9.7	1777.48	4.9
	1986	7	1.3	968.81	3.1	0	0.0	0.00	0.0	7	1.2	968.81	3.1
	1987	50	7.1	8119.00	29.8	0	0.0	0.00	0.0	50	4.2	8119.00	29.3
	TOTAL	473	17.9	23222.77	11.4	57	2.3	96.19	4.3	530	10.4	23318.96	11.3
CENTRAL MUDMINNOW	1982	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0
TOTAL	1	0.7	4.44	0.0	0	0.0	0.00	0.0	1	0.7	4.44	0.0	
GRASS PICKEREL	1977	6	1.0	112.00	0.3	2	0.1	40.00	5.0	8	0.4	152.00	0.3
	1978	8	3.5	238.00	2.3	1	1.3	2.61	4.3	9	2.9	240.61	2.3
	1979	3	1.3	238.00	0.8	0	0.0	0.00	0.0	3	0.2	238.00	0.8
	1981	4	0.9	85.00	0.2	0	0.0	0.00	0.0	4	0.4	85.00	0.2
	1983	2	0.7	133.00	0.7	0	0.0	0.00	0.0	2	0.5	133.00	0.7
	1984	4	0.9	80.00	0.5	0	0.0	0.00	0.0	4	0.7	80.00	0.5
	1987	3	0.4	44.55	0.2	0	0.0	0.00	0.0	3	0.2	44.55	0.2
	TOTAL	30	1.0	930.55	0.5	3	0.1	42.61	1.4	33	0.5	973.16	0.5
NORTHERN PIKE	1977	3	0.5	1080.00	2.4	0	0.0	0.00	0.0	3	0.2	1080.00	2.4
	1979	3	1.3	1402.00	4.9	0	0.0	0.00	0.0	3	0.2	1402.00	4.7
	1981	4	0.9	2507.00	4.6	1	0.2	160.00	30.6	5	0.6	2667.00	4.9
	1982	4	2.9	2480.00	6.8	0	0.0	0.00	0.0	4	2.8	2480.00	6.8
	1983	1	0.4	481.00	2.6	0	0.0	0.00	0.0	1	0.3	481.00	2.6
	1984	6	1.4	773.00	4.7	0	0.0	0.00	0.0	6	1.1	773.00	4.7
	1985	1	0.2	610.00	2.6	0	0.0	0.00	0.0	1	0.1	610.00	2.6
	1986	4	0.7	480.00	1.5	0	0.0	0.00	0.0	4	0.7	480.00	1.5
	1987	7	1.0	5170.00	19.0	0	0.0	0.00	0.0	7	0.6	5170.00	18.6
	TOTAL	33	0.8	14983.00	5.3	1	0.0	160.00	4.0	34	0.4	15143.00	5.3
CENTRAL STONEROLLER	1979	0	0.0	0.00	0.0	2	0.2	1.20	0.1	2	0.1	1.20	0.0
1985	4	0.7	6.35	0.0	4	0.5	6.34	1.0	8	0.6	12.69	0.1	
TOTAL	4	0.5	6.35	0.0	6	0.3	7.54	0.4	10	0.4	13.89	0.0	
CARP	1977	26	4.2	8574.18	19.2	1	0.1	9.01	1.1	27	1.4	8583.19	18.9
	1978	4	1.8	2415.00	23.1	0	0.0	0.00	0.0	4	1.3	2415.00	22.9
	1979	1	0.4	1720.00	6.0	0	0.0	0.00	0.0	1	0.1	1720.00	5.8
	1981	5	1.2	4625.00	8.5	0	0.0	0.00	0.0	5	0.6	4625.00	8.4
	1982	5	3.6	6087.00	16.7	0	0.0	0.00	0.0	5	3.4	6087.00	16.7
	1984	3	0.7	1535.00	9.3	0	0.0	0.00	0.0	3	0.5	1535.00	9.3
	1985	3	0.5	7439.00	32.1	0	0.0	0.00	0.0	3	0.2	7439.00	31.2
	1986	4	0.7	9672.00	31.1	0	0.0	0.00	0.0	4	0.7	9672.00	30.8
	1987	1	0.1	2198.00	8.1	0	0.0	0.00	0.0	1	0.1	2198.00	7.9
	TOTAL	52	1.3	44265.18	16.2	1	0.0	9.01	0.2	53	0.6	44274.19	16.0
	1978	4	1.8	3.21	0.0	11	13.8	5.60	9.3	15	4.9	8.81	0.1
1979	0	0.0	0.00	0.0	35	2.8	20.45	2.0	35	2.4	20.45	0.1	
1982	1	0.7	1.44	0.0	0	0.0	0.00	0.0	1	0.7	1.44	0.0	
1984	1	0.2	1.63	0.0	0	0.0	0.00	0.0	1	0.2	1.63	0.0	
1985	0	0.0	0.00	0.0	7	0.9	1.88	0.3	7	0.5	1.88	0.0	
1987	0	0.0	0.00	0.0	3	0.6	0.66	0.1	3	0.2	0.66	0.0	
TOTAL	6	0.3	6.28	0.0	56	2.0	28.59	1.2	62	1.2	34.87	0.0	
HORNYHEAD CHUB	1977	1	0.2	15.28	0.0	3	0.2	1.06	0.1	4	0.2	16.34	0.0
	1984	0	0.0	0.00	0.0	2	1.4	0.16	0.2	2	0.4	0.16	0.0
	1985	6	1.0	49.49	0.2	0	0.0	0.00	0.0	6	0.4	49.49	0.2
	1987	0	0.0	0.00	0.0	1	0.2	0.31	0.1	1	0.1	0.31	0.0
	TOTAL	7	0.3	64.77	0.1	6	0.2	1.53	0.1	13	0.3	66.30	0.1
	1977	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0
TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.1	2	0.1	0.87	0.0	
EMERALD SHINER	1977	5	0.8	18.50	0.0	0	0.0	0.00	0.0	5	0.3	18.50	0.0
	1979	1	0.4	14.00	0.0	0	0.0	0.00	0.0	1	0.1	14.00	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.01	0.0	1	0.1	0.01	0.0
	TOTAL	6	0.4	32.50	0.0	1	0.0	0.01	0.0	7	0.2	32.51	0.0
	1977	0	0.0	0.00	0.0	40	2.9	16.63	2.1	40	2.0	16.63	0.0
1978	0	0.0	0.00	0.0	6	7.5	2.42	4.0	6	1.9	2.42	0.0	
1979	0	0.0	0.00	0.0	3	0.2	0.97	0.1	3	0.2	0.97	0.0	
1982	0	0.0	0.00	0.0	2	25.0	1.92	26.4	2	1.4	1.92	0.0	
1983	1	0.4	0.47	0.0	1	1.1	0.64	0.9	2	0.5	1.11	0.0	
1984	1	0.2	4.97	0.0	6	4.3	1.41	1.9	7	1.2	6.38	0.0	
1985	16	2.7	62.46	0.3	28	3.6	19.75	3.0	44	3.2	82.21	0.3	
1986	1	0.2	5.40	0.0	14	29.8	1.92	0.6	15	2.6	7.32	0.0	
1987	5	0.7	22.02	0.1	4	0.8	1.37	0.3	9	0.7	23.39	0.1	
TOTAL	24	0.6	95.32	0.0	104	2.4	47.03	1.3	128	1.6	142.35	0.1	
BIGNOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0
TOTAL	0	0.0	0.00	0.0	1	0.0	0.06	0.0	1	0.0	0.06	0.0	
RED SHINER	1985	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0
TOTAL	0	0.0	0.00	0.0	2	0.3	3.22	0.5	2	0.1	3.22	0.0	
ROSYFACE SHINER	1977	1	0.2	3.66	0.0	41	3.0	15.69	2.0	42	2.1	19.35	0.0
	1978	0	0.0	0.00	0.0	1	1.3	1.93	3.2	1	0.3	1.93	0.0
	1979	1	0.4	2.05	0.0	1	0.1	0.86	0.1	2	0.1	2.91	0.0
	1982	0	0.0	0.00	0.0	1	12.5	1.45	20.0	1	0.7	1.45	0.0
	1985	0	0.0	0.00	0.0	6	0.8	1.28	0.2	6	0.4	1.28	0.0
	1986	1	0.2	0.56	0.0	0	0.0	0.00	0.0	1	0.2	0.56	0.0
	TOTAL	3	0.1	6.27	0.0	50	1.4	21.21	0.7	53	0.9	27.48	0.0
	1977	14	2.3	51.62	0.1	308	22.7	162.48	20.5	322	16.3	214.10	0.5
1978	1	0.4	1.25	0.0	13	16.3	11.47	19.0	14	4.5	12.72	0.1	
1979	8	3.4	25.20	0.1	157	12.6	121.50	11.9	165	11.1	146.70	0.5	
1981	18	4.2	53.62	0.1	150	32.2	124.77	23.8	168	18.8	178.39	0.3	
1982	3	2.2	10.20	0.0	0	0.0	0.00	0.0	3	2.1	10.20	0.0	
1983	12	4.3	16.65	0.1	67	73.6	55.15	73.4	79	21.5	71.80	0.4	
1984	6	1.4	10.99	0.1	41	29.7	28.58	37.5	47	8.4	39.57	0.2	
1985	38	6.5	104.30	0.4	146	18.9	193.47	29.1	184	13.5	297.77	1.2	
1986	5	0.9	4.77	0.0	5	10.6	3.91	1.2	10	1.7	8.68	0.0	
1987	105	15.0	113.26	0.4	130	25.8	93.69	17.2	235	19.5	206.95	0.7	
TOTAL	210	5.0	391.86	0.1	1017	21.6	795.02	19.4	1227	13.8	1186.88	0.4	

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
SAND SHINER	1977	0	0.0	0.0	75	5.5	41.47	5.2	75	3.8	41.47	0.1		
	1978	3	1.3	3.72	0.0	23	28.8	13.82	22.9	26	8.4	17.54	0.2	
	1979	0	0.0	0.00	0.0	264	21.2	166.81	16.4	264	17.8	166.81	0.6	
	1981	2	0.5	1.79	0.0	123	26.4	74.15	14.2	125	14.0	75.94	0.1	
	1982	2	1.5	6.29	0.0	0	0.0	0.00	0.0	2	1.4	6.29	0.0	
	1983	24	8.7	30.87	0.2	0	0.0	0.00	0.0	24	6.5	30.87	0.2	
	1984	4	0.9	4.17	0.0	18	13.0	7.41	9.7	22	3.9	11.58	0.1	
	1985	24	4.1	34.08	0.1	162	21.0	101.77	15.3	186	13.7	135.85	0.6	
	1986	48	9.0	48.93	0.2	4	8.5	4.05	1.2	52	9.0	52.98	0.2	
	1987	38	5.4	26.13	0.1	39	7.7	21.99	4.0	77	6.4	48.12	0.2	
	TOTAL	145	3.5	155.98	0.1	708	15.0	431.47	10.5	853	9.6	587.45	0.2	
	REDFIN SHINER	1977	0	0.0	0.00	0.0	28	2.0	5.89	0.7	28	1.4	5.89	0.0
1979		0	0.0	0.00	0.0	3	0.2	1.85	0.2	3	0.2	1.85	0.0	
1981		0	0.0	0.00	0.0	33	7.1	20.39	3.9	33	3.7	20.39	0.0	
1982		0	0.0	0.00	0.0	2	25.0	2.14	29.5	2	1.4	2.14	0.0	
1984		1	0.2	1.11	0.0	0	0.0	0.00	0.0	1	0.2	1.11	0.0	
1985		1	0.2	0.86	0.0	1	0.1	1.01	0.2	2	0.1	1.87	0.0	
1986		5	0.9	4.62	0.0	5	10.6	3.60	1.1	10	1.7	8.22	0.0	
1987		6	0.9	3.67	0.0	5	1.0	3.00	0.6	11	0.9	6.67	0.0	
TOTAL		13	0.4	10.26	0.0	77	1.7	37.88	1.0	90	1.1	48.14	0.0	
MIMIC SHINER		1977	0	0.0	0.00	0.0	6	0.4	5.22	0.7	6	0.3	5.22	0.0
	1981	0	0.0	0.00	0.0	17	3.6	8.54	1.6	17	1.9	8.54	0.0	
	1984	3	0.7	3.24	0.0	0	0.0	0.00	0.0	3	0.5	3.24	0.0	
	1985	1	0.2	0.80	0.0	5	0.6	6.12	0.9	6	0.4	6.92	0.0	
	1986	4	0.7	4.73	0.0	0	0.0	0.00	0.0	4	0.7	4.73	0.0	
	1987	52	7.4	39.61	0.1	49	9.7	37.14	6.8	101	8.4	76.75	0.3	
	TOTAL	60	1.8	48.38	0.0	77	2.3	57.02	1.9	137	2.1	105.40	0.1	
SUCKERMOUTH MINNOW	1979	0	0.0	0.00	0.0	51	4.1	23.39	2.3	51	3.4	23.39	0.1	
	1983	2	0.7	1.45	0.0	0	0.0	0.00	0.0	2	0.5	1.45	0.0	
	1985	6	1.0	16.28	0.1	8	1.0	8.68	1.3	14	1.0	24.96	0.1	
	1986	3	0.6	2.14	0.0	0	0.0	0.00	0.0	3	0.5	2.14	0.0	
	1987	1	0.1	0.44	0.0	1	0.2	0.25	0.0	2	0.2	0.69	0.0	
	TOTAL	12	0.5	20.31	0.0	60	2.3	32.32	1.2	72	1.4	52.63	0.0	
	BLUNTHOSE MINNOW	1977	8	1.3	17.05	0.0	226	16.6	103.70	13.1	234	11.8	120.75	0.3
1978		15	6.6	30.27	0.3	15	18.8	16.41	27.2	30	9.7	46.68	0.4	
1979		5	2.1	12.75	0.0	643	31.5	622.35	61.0	648	43.7	635.10	2.1	
1981		6	1.4	6.94	0.0	138	29.6	122.11	23.3	144	16.1	129.05	0.2	
1982		3	2.2	5.93	0.0	1	12.5	1.14	15.7	4	2.8	7.07	0.0	
1983		19	6.9	28.19	0.2	7	7.7	9.37	12.5	26	7.1	37.56	0.2	
1984		37	8.7	58.19	0.4	58	42.0	25.48	33.5	95	16.9	83.67	0.5	
1985		95	16.2	198.93	0.9	182	23.6	155.28	23.3	277	20.4	354.21	1.5	
1986		177	33.1	276.50	0.9	5	10.6	1.45	0.4	182	31.3	277.95	0.9	
1987		141	20.1	166.68	0.6	139	27.6	98.19	18.0	280	23.3	264.87	1.0	
TOTAL		506	12.1	801.43	0.3	1414	30.0	1155.48	28.2	1920	21.6	1956.91	0.7	
FATHEAD MINNOW		1977	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0
		TOTAL	0	0.0	0.00	0.0	1	0.0	0.50	0.1	1	0.0	0.50	0.0
BULLHEAD MINNOW		1977	18	2.9	46.96	0.1	56	4.1	33.61	4.2	74	3.7	80.57	0.2
	1985	5	0.9	17.27	0.1	5	0.6	4.06	0.6	10	0.7	21.33	0.1	
	1987	0	0.0	0.00	0.0	10	2.0	1.00	0.2	10	0.8	1.00	0.0	
	TOTAL	23	1.2	64.23	0.1	71	2.7	38.67	1.9	94	2.1	102.90	0.1	
CREEK CHUB	1978	2	0.9	2.97	0.0	1	1.3	1.87	3.1	3	1.0	4.84	0.0	
	1979	0	0.0	0.00	0.0	11	0.9	4.96	0.5	11	0.7	4.96	0.0	
	1985	2	0.3	2.78	0.0	55	7.1	47.63	7.2	57	4.2	50.41	0.2	
	1987	1	0.1	1.05	0.0	0	0.0	0.00	0.0	1	0.1	1.05	0.0	
	TOTAL	5	0.3	6.80	0.0	67	2.6	54.46	2.4	72	1.7	61.26	0.1	
	UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	420	30.9	22.83	2.9	420	21.3	22.83	0.1
		1979	0	0.0	0.00	0.0	2	0.2	0.03	0.0	2	0.1	0.03	0.0
1984		0	0.0	0.00	0.0	4	2.9	0.32	0.4	4	0.7	0.32	0.0	
TOTAL		0	0.0	0.00	0.0	426	15.5	23.18	1.2	426	10.6	23.18	0.0	
QUILLBACK		1977	14	2.3	5290.14	11.9	1	0.0	2.91	0.4	15	0.7	5293.05	11.7
		1978	2	0.9	1390.00	13.3	0	0.0	0.00	0.0	2	0.6	1390.00	13.2
	1979	4	1.7	1079.00	3.8	0	0.0	0.00	0.0	4	0.3	1079.00	3.6	
	1981	12	2.8	3782.00	6.9	0	0.0	0.00	0.0	12	1.3	3782.00	6.9	
	1982	11	8.0	4430.00	12.1	0	0.0	0.00	0.0	11	7.6	4430.00	12.1	
	1983	2	0.7	1183.00	6.4	0	0.0	0.00	0.0	2	0.5	1183.00	6.4	
	1984	8	1.9	3114.00	18.9	0	0.0	0.00	0.0	8	1.4	3114.00	18.8	
	1985	3	0.5	635.00	2.7	4	0.5	3.95	0.6	7	0.5	638.95	2.7	
	1986	12	2.2	7862.00	25.3	0	0.0	0.00	0.0	12	2.1	7862.00	25.0	
	1987	2	0.3	695.00	2.6	0	0.0	0.00	0.0	2	0.2	695.00	2.5	
	TOTAL	70	1.7	29460.14	10.1	5	0.1	6.86	0.2	75	0.8	29467.00	10.0	
	WHITE SUCKER	1977	14	2.3	3354.00	7.5	1	0.0	55.00	6.9	15	0.7	3409.00	7.5
		1978	1	0.4	365.00	3.5	0	0.0	0.00	0.0	1	0.3	365.00	3.5
		1979	8	3.4	2616.00	9.1	1	0.1	0.40	0.0	9	0.6	2616.40	8.8
1982		5	3.6	2475.00	6.8	0	0.0	0.00	0.0	5	3.4	2475.00	6.8	
1983		13	4.7	5123.00	27.8	0	0.0	0.00	0.0	13	3.5	5123.00	27.7	
1984		2	0.5	885.00	5.4	0	0.0	0.00	0.0	2	0.4	885.00	5.3	
1985		8	1.4	2095.62	9.0	1	0.1	1.65	0.2	9	0.7	2097.27	8.8	
1987		1	0.1	320.00	1.2	0	0.0	0.00	0.0	1	0.1	320.00	1.2	
TOTAL		52	1.6	17233.62	8.4	3	0.1	57.05	1.8	55	0.7	17290.67	8.3	
LAKE CHUBSUCKER		1977	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0	
NORTHERN HOGSUCKER	1978	2	0.9	310.56	3.0	0	0.0	0.00	0.0	2	0.6	310.56	2.9	
	1979	2	0.9	880.00	3.1	3	0.2	4.25	0.4	5	0.3	884.25	3.0	
	1982	3	2.2	333.94	0.9	0	0.0	0.00	0.0	3	2.1	333.94	0.9	
	1983	10	3.6	2495.64	13.5	0	0.0	0.00	0.0	10	2.7	2495.64	13.5	
	1985	14	2.4	3005.40	13.0	7	0.9	17.23	2.6	21	1.5	3022.63	12.7	
	1986	2	0.4	805.00	2.6	0	0.0	0.00	0.0	2	0.3	805.00	2.6	
	1987	3	0.4	1515.00	5.6	0	0.0	0.00	0.0	3	0.2	1515.00	5.5	
	TOTAL	36	1.3	9345.54	5.3	10	0.4	21.48	0.8	46	0.8	9367.02	5.3	
SPOTTED SUCKER	1985	2	0.3	1.33	0.0	1	0.1	0.62	0.1	3	0.2	1.95	0.0	
	TOTAL	2	0.3	1.33	0.0	1	0.1	0.62	0.1	3	0.2	1.95	0.0	
SILVER REDHORSE	1977	1	0.2	7.20	0.0	1	0.0	6.84	0.9	2	0.1	14.04	0.0	
	1978	1	0.4	1110.00	10.6	0	0.0	0.00	0.0	1	0.3	1110.00	10.5	
	1981	4	0.9	483.00	0.9	0								

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES		ELECTROFISHING				SEINING				TOTAL				
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
RIVER REDHORSE	1977	4	0.6	285.00	0.6	0	0.0	0.00	0.0	4	0.2	285.00	0.6	
	1979	1	0.4	40.00	0.1	0	0.0	0.00	0.0	1	0.1	40.00	0.1	
	1982	1	0.7	700.00	1.9	0	0.0	0.00	0.0	1	0.7	700.00	1.9	
	1985	4	0.7	11.17	0.0	0	0.0	0.00	0.0	4	0.3	11.17	0.0	
	TOTAL	10	0.6	1036.17	0.8	0	0.0	0.00	0.0	10	0.2	1036.17	0.8	
BLACK REDHORSE	1979	10	4.3	862.00	3.0	0	0.0	0.00	0.0	10	0.7	862.00	2.9	
	1981	6	1.4	1340.00	2.5	0	0.0	0.00	0.0	6	0.7	1340.00	2.4	
	1982	3	2.2	755.00	2.1	0	0.0	0.00	0.0	3	2.1	755.00	2.1	
	1985	1	0.2	1.47	0.0	0	0.0	0.00	0.0	1	0.1	1.47	0.0	
	TOTAL	20	1.4	2958.47	2.1	0	0.0	0.00	0.0	20	0.5	2958.47	2.0	
GOLDEN REDHORSE	1977	30	4.9	2727.00	6.1	1	0.0	32.50	4.1	31	1.5	2759.50	6.1	
	1978	2	0.9	272.00	2.6	0	0.0	0.00	0.0	2	0.6	272.00	2.6	
	1979	32	13.6	2841.00	9.9	0	0.0	0.00	0.0	32	2.2	2841.00	9.6	
	1981	96	22.3	11602.00	21.3	0	0.0	0.00	0.0	96	10.7	11602.00	21.1	
	1982	12	8.8	5265.00	14.4	0	0.0	0.00	0.0	12	8.3	5265.00	14.4	
	1983	5	1.8	2476.00	13.4	0	0.0	0.00	0.0	5	1.4	2476.00	13.4	
	1984	9	2.1	828.00	5.0	0	0.0	0.00	0.0	9	1.6	828.00	5.0	
	1985	27	4.6	236.02	1.0	24	3.1	16.81	2.5	51	3.8	252.83	1.1	
	1986	16	3.0	4054.24	13.0	0	0.0	0.00	0.0	16	2.8	4054.24	12.9	
	1987	7	1.0	1289.99	4.7	1	0.2	0.94	0.2	8	0.7	1290.93	4.7	
TOTAL	236	5.7	31591.25	10.9	26	0.5	50.25	1.2	262	2.9	31641.50	10.7		
SHORTHEAD REDHORSE	1977	14	2.3	1162.82	2.6	0	0.0	0.00	0.0	14	0.7	1162.82	2.6	
	1978	4	1.8	332.56	3.2	0	0.0	0.00	0.0	4	1.3	332.56	3.2	
	1979	20	8.5	4883.00	17.0	0	0.0	0.00	0.0	20	1.3	4883.00	16.5	
	1981	5	1.2	1536.00	2.8	0	0.0	0.00	0.0	5	0.6	1536.00	2.8	
	1982	1	0.7	340.00	0.9	0	0.0	0.00	0.0	1	0.7	340.00	0.9	
	1985	14	2.4	27.92	0.1	0	0.0	0.00	0.0	14	1.0	27.92	0.1	
	1986	1	0.2	635.00	2.0	0	0.0	0.00	0.0	1	0.2	635.00	2.0	
	1987	2	0.3	442.19	1.6	0	0.0	0.00	0.0	2	0.2	442.19	1.6	
TOTAL	61	1.8	9359.49	3.7	0	0.0	0.00	0.0	61	0.8	9359.49	3.6		
UNIDENTIFIED REDHORSE	1977	16	2.6	46.92	0.1	9	0.6	20.07	2.5	25	1.2	66.99	0.1	
	1978	1	0.4	1.30	0.0	0	0.0	0.00	0.0	1	0.3	1.30	0.0	
	1979	0	0.0	0.00	0.0	68	5.4	49.39	4.8	68	4.6	49.39	0.2	
	1983	4	1.4	3.61	0.0	11	12.1	9.01	12.0	15	4.1	12.62	0.1	
	1984	0	0.0	0.00	0.0	1	0.7	0.58	0.8	1	0.2	0.58	0.0	
TOTAL	21	1.2	51.83	0.0	89	3.0	79.05	3.9	110	2.3	130.88	0.1		
YELLOW BULLHEAD	1982	1	0.7	60.00	0.2	0	0.0	0.00	0.0	1	0.7	60.00	0.2	
	1987	1	0.1	57.00	0.2	0	0.0	0.00	0.0	1	0.1	57.00	0.2	
TOTAL	2	0.2	117.00	0.2	0	0.0	0.00	0.0	2	0.1	117.00	0.2		
CHANNEL CATFISH	1977	1	0.2	1970.00	4.4	0	0.0	0.00	0.0	1	0.1	1970.00	4.3	
	1979	1	0.4	810.00	2.8	0	0.0	0.00	0.0	1	0.1	810.00	2.7	
	1984	1	0.2	1060.00	6.4	0	0.0	0.00	0.0	1	0.2	1060.00	6.4	
	TOTAL	3	0.2	3840.00	4.3	0	0.0	0.00	0.0	3	0.1	3840.00	4.2	
STONEC	1983	1	0.4	50.00	0.3	0	0.0	0.00	0.0	1	0.3	50.00	0.3	
	1984	2	0.5	81.00	0.5	0	0.0	0.00	0.0	2	0.4	81.00	0.5	
	1985	2	0.3	23.53	0.1	0	0.0	0.00	0.0	2	0.1	23.53	0.1	
	TOTAL	5	0.4	154.53	0.3	0	0.0	0.00	0.0	5	0.2	154.53	0.3	
PIRATE PERCH	1978	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0	
	TOTAL	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.3	2.28	0.0	
BLACKSTRIFE TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.2	0.94	0.1	3	0.2	0.94	0.0	
	1978	0	0.0	0.00	0.0	2	2.5	1.55	2.6	2	0.6	1.55	0.0	
	1979	0	0.0	0.00	0.0	1	0.1	0.15	0.0	1	0.1	0.15	0.0	
	1981	0	0.0	0.00	0.0	2	0.4	2.33	0.4	2	0.2	2.33	0.0	
	1983	0	0.0	0.00	0.0	2	2.2	0.27	0.4	2	0.5	0.27	0.0	
	1985	0	0.0	0.00	0.0	3	0.4	0.58	0.1	3	0.2	0.58	0.0	
	TOTAL	0	0.0	0.00	0.0	13	0.3	5.82	0.2	13	0.2	5.82	0.0	
BROOK SILVERSIDE	1977	1	0.2	0.74	0.0	8	0.6	2.76	0.3	9	0.4	3.50	0.0	
	1979	1	0.4	2.28	0.0	0	0.0	0.00	0.0	1	0.1	2.28	0.0	
	1984	0	0.0	0.00	0.0	1	0.7	0.21	0.3	1	0.2	0.21	0.0	
	1987	1	0.1	1.13	0.0	0	0.0	0.00	0.0	1	0.1	1.13	0.0	
	TOTAL	3	0.2	4.15	0.0	9	0.3	2.97	0.1	12	0.2	7.12	0.0	
ROCK BASS	1977	23	3.7	1552.00	3.5	1	0.0	55.00	6.9	24	1.2	1607.00	3.5	
	1978	26	11.4	1011.00	9.7	0	0.0	0.00	0.0	26	8.4	1011.00	9.6	
	1979	37	15.7	3439.00	12.0	0	0.0	0.00	0.0	37	2.5	3439.00	11.6	
	1981	8	1.9	871.00	1.6	0	0.0	0.00	0.0	8	0.9	871.00	1.6	
	1982	7	5.1	504.00	1.4	0	0.0	0.00	0.0	7	4.8	504.00	1.4	
	1983	29	10.5	2692.03	14.6	0	0.0	0.00	0.0	29	7.9	2692.03	14.5	
	1984	31	7.3	1664.42	10.1	0	0.0	0.00	0.0	31	5.5	1664.42	10.0	
	1985	88	15.0	3926.02	16.9	0	0.0	0.00	0.0	88	6.5	3926.02	16.5	
	1986	33	6.2	1314.00	4.2	0	0.0	0.00	0.0	33	5.7	1314.00	4.2	
	1987	31	4.4	1613.02	5.9	0	0.0	0.00	0.0	31	2.6	1613.02	5.8	
	TOTAL	313	7.5	18586.49	6.4	1	0.0	55.00	1.3	314	3.5	18641.49	6.3	
	GREEN SUNFISH	1977	27	4.4	496.69	1.1	3	0.2	0.40	0.1	30	1.5	497.09	1.1
		1978	32	14.0	801.00	7.7	0	0.0	0.00	0.0	32	10.4	801.00	7.6
1979		19	8.1	442.00	1.5	0	0.0	0.00	0.0	19	1.3	442.00	1.5	
1981		25	5.8	686.15	1.3	0	0.0	0.00	0.0	25	2.8	686.15	1.2	
1982		29	21.2	431.87	1.2	0	0.0	0.00	0.0	29	20.0	431.87	1.2	
1983		58	21.0	1002.67	5.4	0	0.0	0.00	0.0	58	15.8	1002.67	5.4	
1984		144	34.0	2990.18	18.1	0	0.0	0.00	0.0	144	25.7	2990.18	18.0	
1985		102	17.4	2746.65	11.8	0	0.0	0.00	0.0	102	7.5	2746.65	11.5	
1986		61	11.4	1523.61	4.9	1	2.1	0.03	0.0	62	10.7	1523.64	4.9	
1987		71	10.1	933.60	3.4	7	1.4	86.49	15.9	78	6.5	1020.09	3.7	
TOTAL	568	13.6	12054.42	4.1	11	0.2	86.92	2.1	579	6.5	12141.34	4.1		
ORANGESPOTTED SUNFISH	1977	1	0.2	7.00	0.0	16	1.1	3.00	0.4	17	0.8	10.00	0.0	
	1978	1	0.4	3.88	0.0	0	0.0	0.00	0.0	1	0.3	3.88	0.0	
	1982	0	0.0	0.00	0.0	1	12.5	0.17	2.3	1	0.7	0.17	0.0	
	1984	2	0.5	35.03	0.2	0	0.0	0.00	0.0	2	0.4	35.03	0.2	
	1985	5	0.9	58.52	0.3	0	0.0	0.00	0.0	5	0.4	58.52	0.2	
	1986	9	1.7	91.50	0.3	0	0.0	0.00	0.0	9	1.5	91.50	0.3	
	TOTAL	18	0.7	195.93	0.1	17	0.7	3.17	0.2	35	0.7	199.10	0.1	
BLUEGILL	1977	0	0.0	0.00	0.0	11	0.8	2.73	0.3	11	0.5	2.73	0.0	
	1978	5	2.2	35.00	0.3	0	0.0	0.00	0.0	5	1.6	35.00	0.3	
	1979	2	0.9	31.00	0.1	0	0.0	0.00	0.0	2	0.1	31.00	0.1	
	1981	16	3.7	779.46	1.4	0								

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
CENTRAL LONGEAR SUNFISH	1977	1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1
TOTAL		1	0.2	51.00	0.1	0	0.0	0.00	0.0	1	0.1	51.00	0.1
NORTHERN LONGEAR SUNFISH	1977	20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5
TOTAL		20	3.2	205.43	0.5	1	0.0	8.34	1.1	21	1.0	213.77	0.5
LONGEAR SUNFISH	1977	1	0.2	9.10	0.0	9	0.7	5.28	0.7	10	0.5	14.38	0.0
1978	30	13.2	349.19	3.3	0	0.0	0.00	0.0	30	9.7	349.19	3.3	
1979	16	6.8	286.69	1.0	0	0.0	0.00	0.0	16	1.1	286.69	1.0	
1981	32	7.4	947.98	1.7	0	0.0	0.00	0.0	32	3.6	947.98	1.7	
1982	3	2.2	47.00	0.1	0	0.0	0.00	0.0	3	2.1	47.00	0.1	
1983	14	5.1	233.65	1.3	0	0.0	0.00	0.0	14	3.8	233.65	1.3	
1984	76	18.0	614.05	3.7	0	0.0	0.00	0.0	76	13.5	614.05	3.7	
1985	51	8.7	512.87	2.2	0	0.0	0.00	0.0	51	3.8	512.87	2.1	
1986	100	18.7	1493.47	4.8	9	19.1	229.00	69.4	109	18.8	1722.47	5.5	
1987	90	12.9	914.54	3.4	31	6.2	132.72	24.4	121	10.0	1047.26	3.8	
TOTAL		413	9.9	5408.54	1.9	49	1.0	367.00	9.0	462	5.2	5775.54	2.0
GREEN SUNFISH X BLUEGILL	1982	2	1.5	19.00	0.1	0	0.0	0.00	0.0	2	1.4	19.00	0.1
1986	1	0.2	5.21	0.0	0	0.0	0.00	0.0	1	0.2	5.21	0.0	
TOTAL		3	0.4	24.21	0.0	0	0.0	0.00	0.0	3	0.4	24.21	0.0
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0
TOTAL		1	0.2	7.39	0.0	0	0.0	0.00	0.0	1	0.1	7.39	0.0
GREEN SUNFISH HYBRID	1981	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
TOTAL		1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	15	1.1	1.11	0.1	15	0.8	1.11	0.0
1983	1	0.4	20.00	0.1	0	0.0	0.00	0.0	1	0.3	20.00	0.1	
1984	0	0.0	0.00	0.0	1	0.7	0.05	0.1	1	0.2	0.05	0.0	
TOTAL		1	0.1	20.00	0.0	16	1.0	1.16	0.1	17	0.6	21.16	0.0
SMALLMOUTH BASS	1977	61	9.9	13861.42	31.1	1	0.0	2.86	0.4	62	3.1	13864.28	30.6
1978	49	21.5	1490.14	14.2	0	0.0	0.00	0.0	49	15.9	1490.14	14.2	
1979	56	23.8	6684.00	23.3	0	0.0	0.00	0.0	56	3.8	6684.00	22.5	
1981	60	14.0	11452.00	21.0	1	0.2	9.88	1.9	61	6.8	11461.88	20.8	
1982	15	10.9	3681.00	10.1	0	0.0	0.00	0.0	15	10.3	3681.00	10.1	
1983	49	17.8	1940.93	10.5	0	0.0	0.00	0.0	49	13.4	1940.93	10.5	
1984	44	10.4	1751.71	10.6	0	0.0	0.00	0.0	44	7.8	1751.71	10.6	
1985	38	6.5	1022.03	4.4	7	0.9	24.90	3.7	45	3.3	1046.93	4.4	
1986	26	4.9	1228.50	4.0	0	0.0	0.00	0.0	26	4.5	1228.50	3.9	
1987	29	4.1	2755.38	10.2	0	0.0	0.00	0.0	29	2.4	2755.38	10.0	
TOTAL		427	10.3	45877.11	15.8	9	0.2	37.64	0.9	436	4.9	45914.75	15.6
LARGEMOUTH BASS	1977	6	1.0	51.53	0.1	1	0.0	10.00	1.3	7	0.3	61.53	0.1
1978	11	4.8	102.18	1.0	0	0.0	0.00	0.0	11	3.6	102.18	1.0	
1979	1	0.4	9.00	0.0	0	0.0	0.00	0.0	1	0.1	9.00	0.0	
1981	29	6.7	3408.00	6.3	1	0.2	1.56	0.3	30	3.3	3409.56	6.2	
1982	3	2.2	39.07	0.1	0	0.0	0.00	0.0	3	2.1	39.07	0.1	
1983	11	4.0	126.94	0.7	0	0.0	0.00	0.0	11	3.0	126.94	0.7	
1984	5	1.2	161.37	1.0	0	0.0	0.00	0.0	5	0.9	161.37	1.0	
1985	10	1.7	65.24	0.3	0	0.0	0.00	0.0	10	0.7	65.24	0.3	
1986	4	0.7	379.00	1.2	0	0.0	0.00	0.0	4	0.7	379.00	1.2	
1987	12	1.7	149.59	0.5	6	1.2	25.36	4.7	18	1.5	174.95	0.6	
TOTAL		92	2.2	4491.92	1.5	8	0.2	36.92	0.9	100	1.1	4528.84	1.5
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	2	0.1	0.96	0.1	2	0.1	0.96	0.0
1981	6	1.4	424.00	0.8	0	0.0	0.00	0.0	6	0.7	424.00	0.8	
1984	5	1.2	271.00	1.6	0	0.0	0.00	0.0	5	0.9	271.00	1.6	
TOTAL		11	0.7	695.00	0.6	2	0.1	0.96	0.1	13	0.4	695.96	0.6
BLACK CRAPPIE	1977	1	0.2	3.62	0.0	13	0.9	24.32	3.1	14	0.7	27.94	0.1
1978	1	0.4	31.00	0.3	0	0.0	0.00	0.0	1	0.3	31.00	0.3	
1979	3	1.3	343.00	1.2	0	0.0	0.00	0.0	3	0.2	343.00	1.2	
1981	1	0.2	150.00	0.3	0	0.0	0.00	0.0	1	0.1	150.00	0.3	
1987	3	0.4	197.00	0.7	0	0.0	0.00	0.0	3	0.2	197.00	0.7	
TOTAL		9	0.4	724.62	0.4	13	0.3	24.32	0.8	22	0.4	748.94	0.4
JOHNNY DARTER	1977	0	0.0	0.00	0.0	5	0.4	3.69	0.5	5	0.3	3.69	0.0
1978	1	0.4	0.56	0.0	7	8.8	2.62	4.3	8	2.6	3.18	0.0	
1979	0	0.0	0.00	0.0	3	0.2	1.04	0.1	3	0.2	1.04	0.0	
1982	0	0.0	0.00	0.0	1	12.5	0.44	6.1	1	0.7	0.44	0.0	
1983	0	0.0	0.00	0.0	3	3.3	0.65	0.9	3	0.8	0.65	0.0	
1984	0	0.0	0.00	0.0	5	3.6	1.03	1.4	5	0.9	1.03	0.0	
1985	1	0.2	0.48	0.0	108	14.0	40.98	6.2	109	8.0	41.46	0.2	
1986	0	0.0	0.00	0.0	3	6.4	1.00	0.3	3	0.5	1.00	0.0	
1987	1	0.1	0.59	0.0	59	11.7	22.68	4.2	60	5.0	23.27	1.1	
TOTAL		3	0.1	1.63	0.0	194	4.6	74.13	2.1	197	2.5	75.76	0.0
YELLOW PERCH	1977	1	0.2	5.00	0.0	0	0.0	0.00	0.0	1	0.1	5.00	0.0
1983	1	0.4	37.00	0.2	0	0.0	0.00	0.0	1	0.3	37.00	0.2	
TOTAL		2	0.2	42.00	0.1	0	0.0	0.00	0.0	2	0.1	42.00	0.1
LOG PERCH	1987	0	0.0	0.00	0.0	1	0.2	1.56	0.3	1	0.1	1.56	0.0
TOTAL		0	0.0	0.00	0.0	1	0.2	1.56	0.3	1	0.1	1.56	0.0
BLACKSIOE DARTER	1983	3	1.1	1.83	0.0	0	0.0	0.00	0.0	3	0.8	1.83	0.0
1984	1	0.2	0.64	0.0	0	0.0	0.00	0.0	1	0.2	0.64	0.0	
1985	0	0.0	0.00	0.0	4	0.5	4.52	0.7	4	0.3	4.52	0.0	
1987	2	0.3	2.25	0.0	6	1.2	6.13	1.1	8	0.7	8.38	0.0	
TOTAL		6	0.3	4.72	0.0	10	0.7	10.65	0.8	16	0.5	15.37	0.0
WALLEYE	1977	1	0.2	45.00	0.1	0	0.0	0.00	0.0	1	0.1	45.00	0.1
1981	3	0.7	1023.00	1.9	0	0.0	0.00	0.0	3	0.3	1023.00	1.9	
1983	1	0.4	145.00	0.8	0	0.0	0.00	0.0	1	0.3	145.00	0.8	
1987	3	0.4	117.61	0.4	0	0.0	0.00	0.0	3	0.2	117.61	0.4	
TOTAL		8	0.4	1330.61	0.9	0	0.0	0.00	0.0	8	0.2	1330.61	0.9
LONGNOSE GAR	1978	0	0.0	0.00	0.0	1	0.8	9.04	9.5	1	0.3	9.04	0.1
1984	0	0.0	0.00	0.0	1	1.4	1.42	2.0	1	0.7	1.42	0.0	
TOTAL		0	0.0	0.00	0.0	2	1.0	10.46	6.3	2	0.4	10.46	0.0
GIZZARD SHAO	1977	2	1.3	22.70	0.1	5	0.8	6.46	0.9	7	0.9	29.16	1.5
1978	17	9.6	139.61	1.5	0	0.0	0.00	0.0	17	5.5	139.61	1.5	
1981	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.7	30.00	0.1	
1987	4	2.5	1097.00	9.1	0	0.0	0.00	0.0	4	1.7	1097.00	9.0	
TOTAL		24	4.2	1289.31	2.1	5	0.6	6.46	0.6	29	2.0	1295.77	2.1
GRASS PICKEREL	1977	1	0.4	7.00	0.0	1	0.2	35.00	4.8	2	0.2	42.00	0.9
1978	3	1.7	90.00	1.0	0	0.0	0.00	0.0	3	1.0	90.00	0.9	
1979	1	1.2	23.00	0.3									

APPENDIX D-3 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 2 OF THE BRAIDWOOD
 AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
	1981	4	3.8	80.00	0.4	2	6.7	19.81	33.5	6	4.5	99.81	0.4
	1985	2	1.5	123.00	1.0	0	0.0	0.00	0.0	2	0.6	123.00	1.0
	1986	2	0.9	22.00	0.2	1	1.1	14.02	2.5	3	0.9	36.02	0.2
	1987	1	0.6	66.00	0.5	0	0.0	0.00	0.0	1	0.4	66.00	0.5
	TOTAL	14	1.3	411.00	0.4	4	0.3	68.83	3.2	18	0.8	479.83	0.5
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	0.1	283.00	1.6
	1978	0	0.0	0.00	0.0	1	0.8	25.00	26.2	1	0.3	25.00	0.3
	1979	5	5.8	1280.00	17.8	0	0.0	0.00	0.0	5	3.1	1280.00	16.9
	1982	0	0.0	0.00	0.0	1	2.1	335.00	92.1	1	1.2	335.00	4.0
	TOTAL	6	1.4	1563.00	3.7	2	0.2	360.00	23.2	8	0.6	1923.00	4.4
CENTRAL STONEROLLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.1	1.39	0.0
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.1	1.39	0.0
CARP	1977	2	1.3	1547.50	9.0	1	0.2	1.49	0.2	3	0.3	1548.99	3.6
	1981	3	2.9	4260.00	18.8	0	0.0	0.00	0.0	3	2.2	4260.00	18.8
	1982	2	5.4	3433.00	43.3	0	0.0	0.00	0.0	2	2.4	3433.00	41.4
	1983	2	4.4	3560.00	26.8	0	0.0	0.00	0.0	2	4.1	3560.00	26.8
	TOTAL	9	2.8	12800.50	20.9	1	0.1	1.49	0.1	10	0.9	12801.99	20.6

APPENDIX D-4. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	0.22	0.0	1	0.1	0.22	0.0	
	1979	1	1.2	5.17	0.1	0	0.0	0.00	0.0	1	0.6	5.17	0.1	
	TOTAL	1	0.5	5.17	0.0	1	0.1	0.22	0.0	2	0.2	5.39	0.0	
EMERALD SHINER	1977	0	0.0	0.00	0.0	4	0.6	2.29	0.3	4	0.5	2.29	0.0	
	1984	1	1.4	1.27	0.0	0	0.0	0.00	0.0	1	0.7	1.27	0.0	
	1985	0	0.0	0.00	0.0	11	4.9	1.41	1.0	11	3.1	1.41	0.0	
	1986	0	0.0	0.00	0.0	1	1.1	0.32	0.1	1	0.3	0.32	0.0	
	TOTAL	1	0.2	1.27	0.0	16	1.6	4.02	0.3	17	1.1	5.29	0.0	
STRIPED SHINER	1977	0	0.0	0.00	0.0	28	4.5	15.04	2.0	28	3.8	15.04	0.1	
	1978	0	0.0	0.00	0.0	71	55.0	26.13	27.4	71	23.1	26.13	0.3	
	1982	0	0.0	0.00	0.0	16	34.0	7.78	2.1	16	19.0	7.78	0.1	
	1983	0	0.0	0.00	0.0	1	25.0	0.20	3.3	1	2.0	0.20	0.0	
	1984	0	0.0	0.00	0.0	9	13.0	2.09	2.9	9	6.3	2.09	0.0	
	1985	0	0.0	0.00	0.0	5	2.2	2.18	1.5	5	1.4	2.18	0.0	
	1986	1	0.4	12.00	0.1	1	1.1	1.65	0.3	2	0.6	13.65	0.1	
	1987	1	0.6	10.86	0.1	0	0.0	0.00	0.0	1	0.4	10.86	0.1	
	TOTAL	2	0.2	22.86	0.0	131	10.4	55.07	2.5	133	6.0	77.93	0.1	
	RED SHINER	1986	0	0.0	0.00	0.0	1	1.1	0.88	0.2	1	0.3	0.88	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.1	0.88	0.2	1	0.3	0.88	0.0	
	ROSYFACE SHINER	1977	2	1.3	2.15	0.0	190	30.7	74.84	10.2	192	25.9	76.99	0.4
1978		0	0.0	0.00	0.0	1	0.8	0.33	0.3	1	0.3	0.33	0.0	
1979		0	0.0	0.00	0.0	30	40.5	11.65	3.3	30	18.8	11.65	0.2	
1981		0	0.0	0.00	0.0	1	3.3	1.43	2.4	1	0.7	1.43	0.0	
1982		0	0.0	0.00	0.0	23	48.9	7.09	1.9	23	27.4	7.09	0.1	
1984		0	0.0	0.00	0.0	5	7.2	0.85	1.2	5	3.5	0.85	0.0	
1985		0	0.0	0.00	0.0	49	21.7	8.30	5.7	49	13.8	8.30	0.1	
1986		0	0.0	0.00	0.0	4	4.4	0.98	0.2	4	1.2	0.98	0.0	
1987		5	3.1	5.62	0.0	0	0.0	0.00	0.0	5	2.1	5.62	0.0	
TOTAL		7	0.6	7.77	0.0	303	22.3	105.47	4.1	310	12.5	113.24	0.1	
SPOTFIN SHINER	1977	6	4.6	17.92	0.1	106	17.1	69.95	9.5	112	15.1	87.87	0.5	
	1978	1	0.6	3.79	0.0	0	0.0	0.00	0.0	1	0.3	3.79	0.0	
	1979	1	1.2	6.73	0.1	21	28.4	21.45	6.0	22	13.8	28.18	0.4	
	1981	2	1.9	7.38	0.0	7	23.3	9.71	16.4	9	6.7	17.09	0.1	
	1983	3	6.7	8.02	0.1	0	0.0	0.00	0.0	3	6.1	8.02	0.1	
	1984	3	4.1	5.99	0.0	27	39.1	23.64	33.1	30	21.0	29.63	0.2	
	1985	1	0.8	2.15	0.0	33	14.6	2.91	2.0	34	9.6	5.06	0.0	
	1986	2	0.9	3.24	0.0	18	20.0	16.72	2.9	20	6.2	19.96	0.1	
	1987	8	4.9	12.97	0.1	45	62.5	44.32	22.3	53	22.6	57.29	0.5	
	TOTAL	27	2.3	68.19	0.1	257	19.6	188.70	8.4	284	11.6	256.89	0.2	
SAND SHINER	1977	0	0.0	0.00	0.0	5	0.8	2.51	0.3	5	0.7	2.51	0.0	
	1978	0	0.0	0.00	0.0	8	6.2	2.95	3.1	8	2.6	2.95	0.0	
	1984	0	0.0	0.00	0.0	1	1.4	0.60	0.8	1	0.7	0.60	0.0	
	TOTAL	0	0.0	0.00	0.0	14	1.7	6.06	0.7	14	1.2	6.06	0.0	
REDFIN SHINER	1977	0	0.0	0.00	0.0	56	9.0	11.90	1.6	56	7.6	11.90	0.1	
	1978	0	0.0	0.00	0.0	2	1.6	2.35	2.5	2	0.7	2.35	0.0	
	1979	0	0.0	0.00	0.0	3	4.1	3.42	1.0	3	1.9	3.42	0.0	
	1981	0	0.0	0.00	0.0	2	6.7	1.93	3.3	2	1.5	1.93	0.0	
	1982	0	0.0	0.00	0.0	1	2.1	0.29	0.1	1	1.2	0.29	0.0	
	1984	0	0.0	0.00	0.0	3	4.3	2.44	3.4	3	2.1	2.44	0.0	
	1986	0	0.0	0.00	0.0	16	17.8	12.12	2.1	16	5.0	12.12	0.1	
	1987	0	0.0	0.00	0.0	3	4.2	2.47	1.2	3	1.3	2.47	0.0	
	TOTAL	0	0.0	0.00	0.0	86	7.6	36.92	1.5	86	4.1	36.92	0.0	
	MIMIC SHINER	1977	0	0.0	0.00	0.0	10	1.6	3.93	0.5	10	1.4	3.93	0.0
1981	0	0.0	0.00	0.0	3	10.0	0.97	1.6	3	2.2	0.97	0.0		
1986	0	0.0	0.00	0.0	1	1.1	0.39	0.1	1	0.3	0.39	0.0		
TOTAL	0	0.0	0.00	0.0	14	1.9	5.29	0.4	14	1.2	5.29	0.0		
SUCKERMOUTH MINNOW	1979	0	0.0	0.00	0.0	1	1.4	3.81	0.2	1	0.6	0.81	0.0	
TOTAL	0	0.0	0.00	0.0	1	1.4	0.81	0.2	1	0.6	0.81	0.0		
BLUNTNOSE MINNOW	1977	2	1.7	4.99	0.0	24	3.9	14.40	2.0	26	3.5	19.39	0.1	
	1978	2	1.1	7.43	0.1	35	27.1	14.78	15.5	37	12.1	22.21	0.2	
	1979	1	1.2	3.64	0.1	7	9.5	5.75	1.6	8	5.0	9.39	0.1	
	1981	1	1.0	1.18	0.0	1	3.3	0.63	1.1	2	1.5	1.81	0.0	
	1982	1	2.7	5.04	0.1	0	0.0	0.00	0.0	1	1.2	5.04	0.1	
	1983	3	6.7	4.02	0.0	2	50.0	5.15	85.8	5	10.2	9.17	0.1	
	1984	3	4.1	4.27	0.0	4	5.8	4.15	5.8	7	4.9	6.42	0.1	
	1985	2	1.5	9.79	0.1	40	17.7	11.87	8.2	42	11.8	21.66	0.2	
	1986	10	4.3	18.53	0.1	38	42.2	30.81	5.4	48	15.0	49.34	0.3	
	1987	1	0.6	1.05	0.0	2	2.8	1.20	0.6	3	1.3	2.25	0.0	
	TOTAL	26	2.2	59.94	0.0	153	11.3	88.74	3.4	179	7.1	148.68	0.1	
	BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	32	5.2	19.37	2.6	35	4.7	31.47	0.2
		1982	0	0.0	0.00	0.0	1	2.1	0.10	0.0	1	1.2	0.10	0.0
		1987	1	0.6	2.84	0.0	0	0.0	0.00	0.0	1	0.4	2.84	0.0
		TOTAL	4	1.3	14.94	0.0	33	4.5	19.47	1.5	37	3.5	34.41	0.1
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	68	11.0	4.46	0.6	68	9.2	4.46	0.0	
	1978	0	0.0	0.00	0.0	5	3.9	0.41	0.4	5	1.6	0.41	0.0	
	TOTAL	0	0.0	0.00	0.0	73	9.8	4.87	0.6	73	7.0	4.87	0.0	
QUILLBACK	1977	1	0.4	295.00	1.7	1	0.2	1.02	0.1	2	0.2	296.02	1.6	
	1981	1	1.0	500.00	2.2	0	0.0	0.00	0.0	1	0.7	500.00	2.2	
	1982	1	2.7	600.00	7.6	0	0.0	0.00	0.0	1	1.2	600.00	7.2	
	1983	4	8.9	2250.00	16.9	0	0.0	0.00	0.0	4	8.2	2250.00	16.9	
	1984	1	1.4	440.00	3.1	0	0.0	0.00	0.0	1	0.7	440.00	3.1	
	1985	3	2.3	2130.00	17.5	0	0.0	0.00	0.0	3	0.8	2130.00	17.3	
	1986	4	1.7	2600.00	18.1	0	0.0	0.00	0.0	4	1.2	2600.00	17.4	
	1987	4	2.5	2315.00	19.3	0	0.0	0.00	0.0	4	1.7	2315.00	19.0	
	TOTAL	19	2.0	11130.00	9.8	1	0.1	1.02	0.0	20	0.9	11131.02	9.6	
WHITE SUCKER	1981	1	1.0	360.00	1.6	0	0.0	0.00	0.0	1	0.7	360.00	1.6	
TOTAL	1	1.0	360.00	1.6	0	0.0	0.00	0.0	1	0.7	360.00	1.6		
NORTHERN HOGSUCKER	1981	2	1.9	785.00	3.5	0	0.0	0.00	0.0	2	1.5	785.00	3.5	
	1982	1	2.7	310.00	3.9	0	0.0	0.00	0.0	1	1.2	310.00	3.7	
	1983	2	4.4	1190.00	9.0	0	0.0	0.00	0.0	2	4.1	1190.00	8.9	
	1984	4	5.4	1940.00	13.8	0	0.0	0.00	0.0	4	2.8	1940.00	13.7	
	1985	1	0.8	500.00	4.1	0	0.0	0.00	0.0	1	0.3	500.00	4.1	
	1986	1	0.4	725.00	5.0	0	0.0	0.00	0.0	1	0.3	725.00	4.8	
TOTAL	11	1.8	5450.00	6.5	0	0.0	0.00	0.0	11	1.0	5450.00	6.4		
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0	0.0	0.00	0.0	1	0.1	810.00		

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.7	553.50	3.1
	1978	1	0.6	36.00	0.4	0	0.0	0.00	0.0	1	0.3	36.00	0.4
	1979	2	2.3	56.00	0.8	0	0.0	0.00	0.0	2	1.3	56.00	0.7
	1981	1	1.0	180.00	0.8	0	0.0	0.00	0.0	1	0.7	180.00	0.8
	1983	1	2.2	560.00	4.2	0	0.0	0.00	0.0	1	2.0	560.00	4.2
	1984	2	2.7	2715.00	19.3	0	0.0	0.00	0.0	2	1.4	2715.00	19.2
	1986	5	2.2	158.00	1.1	0	0.0	0.00	0.0	5	1.6	158.00	1.1
	1987	1	0.6	140.00	1.2	0	0.0	0.00	0.0	1	0.4	140.00	1.1
	TOTAL	18	1.8	4398.50	4.0	0	0.0	0.00	0.0	18	0.9	4398.50	3.9
	1983	2	4.4	458.00	3.4	0	0.0	0.00	0.0	2	4.1	458.00	3.4
1986	1	0.4	200.00	1.4	0	0.0	0.00	0.0	1	0.3	200.00	1.3	
TOTAL	3	1.1	658.00	2.4	0	0.0	0.00	0.0	3	0.8	658.00	2.3	
BLACK REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	2.8	6782.50	37.7
	1978	7	3.9	1248.00	13.3	0	0.0	0.00	0.0	7	2.3	1248.00	13.1
	1979	7	8.1	2140.00	29.7	0	0.0	0.00	0.0	7	4.4	2140.00	28.3
	1981	20	19.2	5654.00	25.0	0	0.0	0.00	0.0	20	14.9	5654.00	24.9
	1982	4	10.8	730.00	9.2	0	0.0	0.00	0.0	4	4.8	730.00	8.8
	1983	5	11.1	2430.00	18.3	0	0.0	0.00	0.0	5	10.2	2430.00	18.3
	1984	18	24.3	5464.00	38.8	0	0.0	0.00	0.0	18	12.6	5464.00	38.6
	1985	19	14.6	4158.00	34.2	0	0.0	0.00	0.0	19	5.3	4158.00	33.8
	1986	24	10.4	3685.70	25.6	1	1.1	21.00	3.7	25	7.8	3706.70	24.8
	1987	16	9.8	3005.06	23.0	0	0.0	0.00	0.0	16	6.8	3005.06	24.6
TOTAL	141	12.1	35297.26	27.1	1	0.1	21.00	0.8	142	5.6	35318.26	26.6	
SHORTHEAD REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	1.1	2433.50	13.5
	1978	1	0.6	35.00	0.4	0	0.0	0.00	0.0	1	0.3	35.00	0.4
	1979	2	2.3	497.00	6.9	0	0.0	0.00	0.0	2	1.3	497.00	6.6
	1981	17	16.3	6147.00	27.2	0	0.0	0.00	0.0	17	12.7	6147.00	27.1
	1982	1	2.7	240.00	3.0	0	0.0	0.00	0.0	1	1.2	240.00	2.9
	1983	2	4.4	860.00	6.5	0	0.0	0.00	0.0	2	4.1	860.00	6.5
	1984	4	5.4	286.00	2.0	0	0.0	0.00	0.0	4	2.8	286.00	2.0
	1985	2	1.5	514.00	4.2	0	0.0	0.00	0.0	2	0.6	514.00	4.2
	1986	6	2.6	760.02	5.3	0	0.0	0.00	0.0	6	1.9	760.02	5.1
	TOTAL	43	4.3	11772.52	9.9	0	0.0	0.00	0.0	43	1.9	11772.52	9.7
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.5	7.82	1.1	5	0.7	14.98	0.1
	1983	1	2.2	0.94	0.0	0	0.0	0.00	0.0	1	2.0	0.94	0.0
	TOTAL	3	1.8	8.10	0.0	3	0.5	7.82	1.1	6	0.8	15.92	0.1
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.2	876.50	4.9
	1978	2	1.1	2160.00	23.0	0	0.0	0.00	0.0	2	0.7	2160.00	22.8
	TOTAL	4	1.2	3036.50	11.4	0	0.0	0.00	0.0	4	0.3	3036.50	11.0
STONEC	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.1	12.50	0.1
	1979	2	2.3	55.70	0.8	0	0.0	0.00	0.0	2	1.3	55.00	0.7
	1984	1	1.4	8.00	0.1	0	0.0	0.00	0.0	1	0.7	8.00	0.1
	TOTAL	4	1.3	75.50	0.2	0	0.0	0.00	0.0	4	0.3	75.50	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	7	1.1	2.01	0.3	7	0.9	2.01	0.0
	1979	0	0.0	0.00	0.0	1	1.4	2.08	0.6	1	0.6	2.08	0.0
	1985	0	0.0	0.00	0.0	4	1.8	1.08	0.7	4	1.1	1.08	0.0
	1987	1	0.6	0.01	0.0	7	9.7	4.96	2.5	8	3.4	4.97	0.0
	TOTAL	1	0.2	0.01	0.0	19	1.9	10.13	0.7	20	1.3	10.14	0.0
BROOK SILVERSIDE	1977	3	2.5	3.26	0.0	44	7.1	25.98	3.5	47	6.4	29.24	0.2
	1978	1	0.6	2.03	0.0	0	0.0	0.00	0.0	1	0.3	2.03	0.0
	1984	0	0.0	0.00	0.0	16	23.2	3.49	4.9	16	11.2	3.49	0.0
	1985	0	0.0	0.00	0.0	69	30.5	18.79	12.9	69	19.4	18.79	0.2
	1986	2	0.9	3.10	0.0	0	0.0	0.00	0.0	2	0.6	3.10	0.0
	1987	1	0.6	1.83	0.0	7	9.7	5.51	2.8	8	3.4	7.34	0.1
	TOTAL	7	0.8	10.22	0.0	136	11.3	53.77	3.0	143	6.8	63.99	0.1
ROCK BASS	1977	14	11.7	851.92	4.9	8	1.3	393.21	53.5	22	5.0	1245.13	6.9
	1978	25	14.0	1440.00	15.3	2	1.6	0.41	0.4	27	8.8	1440.41	15.2
	1979	14	16.3	761.00	10.6	2	2.7	180.00	50.3	16	10.0	941.00	12.5
	1981	14	13.5	1272.00	5.6	4	13.3	0.74	1.3	18	13.4	1272.74	5.6
	1982	4	10.8	418.00	5.3	0	0.0	0.00	0.0	4	4.8	418.00	5.0
	1983	2	4.4	255.00	1.9	0	0.0	0.00	0.0	2	4.1	255.00	1.9
	1984	5	6.8	254.00	1.8	0	0.0	0.00	0.0	5	3.5	254.00	1.8
	1985	17	13.1	839.50	6.9	1	0.4	13.41	9.2	18	5.1	852.91	6.9
	1986	34	14.7	2314.59	16.1	2	2.2	351.00	61.9	36	11.2	2665.59	17.8
	1987	30	18.4	1415.10	11.8	1	1.4	28.45	14.3	31	13.2	1443.55	11.8
TOTAL	159	13.6	9821.11	7.5	20	1.5	967.22	37.2	179	7.1	10788.33	8.1	
GREEN SUNFISH	1977	11	9.2	263.27	1.5	1	0.2	0.16	0.0	12	1.6	263.43	1.5
	1978	26	14.6	695.00	7.4	0	0.0	0.00	0.0	26	8.5	695.00	7.3
	1979	14	16.3	301.00	4.2	0	0.0	0.00	0.0	14	8.8	301.00	4.0
	1981	11	10.6	293.00	1.3	1	3.3	0.26	0.4	12	9.0	293.26	1.3
	1982	3	8.1	55.00	0.7	0	0.0	0.00	0.0	3	3.6	55.00	0.7
	1985	2	1.5	73.85	0.6	0	0.0	0.00	0.0	2	0.6	73.85	0.6
	1986	8	3.5	291.00	2.0	0	0.0	0.00	0.0	8	2.5	291.00	1.9
	1987	7	4.3	288.20	2.4	1	1.4	56.58	28.4	8	3.4	344.78	2.8
	TOTAL	82	7.8	2260.32	2.2	3	0.2	57.00	2.3	85	3.6	2317.32	2.2
	1977	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.1	3.34	0.0
TOTAL	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.1	3.34	0.0	
ORANGESPOTTED SUNFISH	1977	1	0.8	3.03	0.0	4	0.6	1.12	0.2	5	0.7	4.15	0.0
	1978	6	3.4	98.00	1.0	0	0.0	0.00	0.0	6	2.0	98.00	1.0
	1979	4	4.7	70.00	1.0	0	0.0	0.00	0.0	4	2.5	70.00	0.9
	1981	2	1.9	19.00	0.1	2	6.7	6.25	10.6	4	3.0	25.25	0.1
	1983	2	4.4	35.00	0.3	0	0.0	0.00	0.0	2	4.1	35.00	0.3
	1985	3	2.3	51.00	0.4	0	0.0	0.00	0.0	3	0.8	51.00	0.4
	1986	27	11.7	320.44	2.2	1	1.1	10.88	1.9	28	8.7	331.32	2.2
1987	3	1.8	40.09	0.3	1	1.4	0.79	0.4	4	1.7	40.88	0.3	
TOTAL	48	4.5	636.56	0.6	8	0.6	19.04	0.9	56	2.4	655.60	0.6	

APPENDIX D-4 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
BLUEGILL	1977	1	0.4	0.92	0.0	0	0.0	0.00	0.0	1	0.1	0.92	0.0	
	1978	6	3.4	83.00	0.9	1	0.8	10.00	10.5	7	2.3	93.00	1.0	
	1979	1	1.2	31.00	0.4	0	0.0	0.00	0.0	1	0.5	31.00	0.4	
	1981	3	2.9	12.00	0.1	1	3.3	2.64	4.5	4	3.0	14.64	0.1	
	1982	1	2.7	45.00	0.6	0	0.0	0.00	0.0	1	1.2	45.00	0.5	
	1984	1	1.4	16.00	0.1	0	0.0	0.00	0.0	1	0.7	16.00	0.1	
	1986	4	1.7	33.07	0.2	1	1.1	2.86	0.5	5	1.5	35.93	0.2	
	1987	1	0.6	6.00	0.0	1	1.4	6.86	3.4	2	0.9	12.86	0.1	
TOTAL	18	1.8	226.99	0.2	4	0.4	22.36	0.9	22	1.0	249.35	0.2		
NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.5	170.39	0.9	
	TOTAL	12	10.0	170.39	1.0	0	0.0	0.00	0.0	12	1.6	170.39	0.9	
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	1	0.2	0.24	0.0	5	0.6	50.28	0.3	
	1978	62	34.8	1050.00	11.2	0	0.0	0.00	0.0	62	20.2	1050.00	11.1	
	1979	21	24.4	533.31	7.4	2	2.7	61.00	17.1	23	14.4	594.31	7.9	
	1981	8	7.7	154.00	0.7	0	0.0	0.00	0.0	8	6.0	154.00	0.7	
	1982	7	18.9	159.00	2.0	1	2.1	7.01	1.9	8	9.5	166.01	2.0	
	1983	5	11.1	87.00	0.7	0	0.0	0.00	0.0	5	10.2	87.00	0.7	
	1984	11	14.9	168.26	1.2	2	2.9	29.62	41.5	13	9.1	197.88	1.4	
	1985	28	21.5	382.76	3.1	5	2.2	61.92	42.6	33	9.3	444.68	3.6	
	1986	80	34.6	1085.59	7.5	4	4.4	103.15	18.2	84	26.2	1188.74	7.9	
	1987	42	25.8	458.31	3.8	2	2.8	41.43	20.8	44	18.7	499.74	4.1	
TOTAL	268	22.9	4128.27	3.2	17	1.3	304.37	11.7	285	11.3	4432.64	3.3		
GREEN X LONGEAR SUNFISH	1979	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1	
	TOTAL	1	1.2	9.00	0.1	0	0.0	0.00	0.0	1	0.6	9.00	0.1	
GREEN SUNFISH HYBRID	1981	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0	
	TOTAL	1	1.0	10.00	0.0	0	0.0	0.00	0.0	1	0.7	10.00	0.0	
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.3	0.09	0.0	2	0.3	0.09	0.0	
	1981	0	0.0	0.00	0.0	1	3.3	0.12	0.2	1	0.7	0.12	0.0	
	1983	0	0.0	0.00	0.0	1	25.0	0.65	10.8	1	2.0	0.65	0.0	
	TOTAL	0	0.0	0.00	0.0	4	0.6	0.86	0.1	4	0.4	0.86	0.0	
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	2.1	2176.05	12.1	
	1978	14	7.9	1140.00	12.1	1	0.8	1.59	1.7	15	4.9	1141.59	12.0	
	1979	8	9.3	1422.00	19.8	0	0.0	0.00	0.0	8	5.0	1422.00	18.8	
	1981	8	7.7	2572.00	11.4	0	0.0	0.00	0.0	8	6.0	2572.00	11.3	
	1982	12	32.4	1938.03	24.4	0	0.0	0.00	0.0	12	14.3	1938.03	23.4	
	1983	8	17.8	727.32	5.5	0	0.0	0.00	0.0	8	16.3	727.32	5.5	
	1984	17	23.0	1804.92	12.8	0	0.0	0.00	0.0	17	11.9	1804.92	12.8	
	1985	48	36.9	2149.59	17.7	8	3.5	22.96	15.8	56	15.7	2172.55	17.7	
	1986	18	7.8	1755.64	12.2	0	0.0	0.00	0.0	18	5.6	1755.64	11.7	
	1987	34	20.9	3041.52	25.3	0	0.0	0.00	0.0	34	18.5	3041.52	24.9	
	TOTAL	183	15.6	18727.07	14.4	9	0.7	24.55	0.9	192	7.6	18751.62	14.1	
	LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	0	0.0	0.00	0.0	1	0.1	8.79	0.0
		1978	2	1.1	5.00	0.1	1	0.8	2.48	2.6	3	1.0	7.48	0.1
1979		1	1.2	2.69	0.0	0	0.0	0.00	0.0	1	0.6	2.69	0.0	
1982		0	0.0	0.00	0.0	3	6.4	5.65	1.6	3	3.6	5.65	0.1	
1983		1	2.2	8.00	0.1	0	0.0	0.00	0.0	1	2.0	8.00	0.1	
1984		0	0.0	0.00	0.0	1	1.4	3.08	4.3	1	0.7	3.08	0.0	
1985		1	0.8	350.00	2.9	0	0.0	0.00	0.0	1	0.3	350.00	2.8	
1986		2	0.9	402.00	2.8	0	0.0	0.00	0.0	2	0.6	402.00	2.7	
1987		2	1.2	95.92	0.8	2	2.8	6.33	3.2	4	1.7	102.25	0.8	
TOTAL		10	0.9	872.40	0.8	7	0.5	17.54	0.7	17	0.7	889.94	0.8	
WHITE CRAPPIE	1979	0	0.0	0.00	0.0	4	5.4	68.76	19.2	4	2.5	68.76	0.9	
	1981	4	3.8	293.00	1.3	0	0.0	0.00	0.0	4	3.0	293.00	1.3	
	1982	0	0.0	0.00	0.0	1	2.1	0.75	0.2	1	1.2	0.75	0.0	
	1984	2	2.7	77.00	0.5	0	0.0	0.00	0.0	2	1.4	77.00	0.5	
	TOTAL	6	2.0	370.00	0.7	5	2.3	69.51	8.2	11	2.1	439.51	0.8	
BLACK CRAPPIE	1977	1	0.4	4.00	0.0	14	2.3	41.09	5.6	15	2.0	45.09	0.3	
	1978	1	0.6	26.00	0.3	0	0.0	0.00	0.0	1	0.3	26.00	0.3	
	1979	0	0.0	0.00	0.0	3	4.1	2.74	0.8	3	1.9	2.74	0.0	
	1981	0	0.0	0.00	0.0	5	16.7	14.70	24.8	5	3.7	14.70	0.1	
	TOTAL	2	0.3	30.00	0.1	22	2.6	58.53	4.7	24	1.8	88.53	0.2	
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.3	0.30	0.0	2	0.3	0.30	0.0	
	1985	0	0.0	0.00	0.0	1	0.4	0.54	0.4	1	0.3	0.54	0.0	
	TOTAL	0	0.0	0.00	0.0	3	0.4	0.84	0.1	3	0.3	0.84	0.0	
BANDIED DARTER	1977	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0	
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.38	0.1	1	0.1	0.38	0.0	
WALLEYE	1977	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3	
	TOTAL	2	1.3	62.00	0.4	0	0.0	0.00	0.0	2	0.2	62.00	0.3	

APPENDIX D-5. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1977	1	0.7	45.00	0.3	0	0.0	0.00	0.0	1	0.1	45.30	0.3	
	1978	0	0.0	0.00	0.0	1	0.3	10.52	2.2	1	0.3	10.52	0.1	
	1981	1	1.1	188.00	1.1	0	0.0	0.00	0.0	1	0.9	188.30	1.1	
	1985	1	0.4	29.00	0.2	0	0.0	0.00	0.0	1	0.1	29.00	0.2	
	TOTAL	3	0.5	262.00	0.5	1	0.1	10.52	0.8	4	0.2	272.52	0.5	
GIZZARD SHAD	1977	2	2.1	9.88	0.1	5	0.8	2.15	0.5	7	0.9	12.03	0.1	
	1978	19	23.2	171.59	2.1	1	0.3	7.55	1.6	20	5.3	179.14	2.1	
	1979	1	1.9	162.00	3.2	0	0.0	0.00	0.0	1	0.5	162.00	3.1	
	1981	3	3.2	48.00	0.3	6	28.6	20.05	17.3	9	7.8	68.05	0.4	
	1982	1	2.9	160.00	1.4	0	0.0	0.00	0.0	1	2.6	160.00	1.4	
	1983	6	12.0	1309.06	8.8	0	0.0	0.00	0.0	6	7.8	1309.06	8.8	
	1984	4	7.5	318.82	3.2	1	2.3	1.13	3.2	5	5.2	319.95	3.2	
	1985	3	1.1	406.25	2.5	0	0.0	0.00	0.0	3	0.4	406.25	2.5	
	1986	3	2.2	229.59	1.5	0	0.0	0.00	0.0	3	1.7	229.59	1.5	
	1987	13	8.7	1204.22	17.2	0	0.0	0.00	0.0	13	5.8	1204.22	16.8	
	TOTAL	55	5.4	4019.41	3.4	13	0.8	30.88	1.9	68	2.5	4050.29	3.3	
	GRASS PICKEREL	1977	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
1978		1	1.2	6.00	0.1	0	0.0	0.00	0.0	1	0.3	6.00	0.1	
1979		1	1.9	9.00	0.2	0	0.0	0.00	0.0	1	0.5	9.00	0.2	
1984		1	1.9	152.00	1.5	0	0.0	0.00	0.0	1	1.0	152.00	1.5	
1986		1	0.7	12.00	0.1	0	0.0	0.00	0.0	1	0.6	12.00	0.1	
TOTAL	5	1.1	185.00	0.3	0	0.0	0.00	0.0	5	0.3	185.00	0.3		
NORTHERN PIKE	1979	1	1.9	75.00	1.5	0	0.0	0.00	0.0	1	0.5	75.00	1.4	
	1982	1	2.9	1560.00	14.0	0	0.0	0.00	0.0	1	2.6	1560.00	14.0	
	1985	1	0.4	425.00	2.6	0	0.0	0.00	0.0	1	0.1	425.00	2.6	
	1986	1	0.7	560.00	3.7	0	0.0	0.00	0.0	1	0.6	560.00	3.7	
	TOTAL	4	0.8	2620.00	5.5	0	0.0	0.00	0.0	4	0.4	2620.00	5.5	
CARP	1977	3	4.1	6565.00	41.8	0	0.0	0.00	0.0	3	0.4	6565.00	40.7	
	1978	1	1.2	1640.00	20.4	0	0.0	0.00	0.0	1	0.3	1640.00	19.2	
	1981	2	2.1	1410.00	8.5	0	0.0	0.00	0.0	2	1.7	1410.00	8.5	
	1982	1	2.9	4313.00	38.7	0	0.0	0.00	0.0	1	2.6	4313.00	38.6	
	1983	2	4.0	1662.00	11.1	0	0.0	0.00	0.0	2	2.6	1662.00	11.1	
	1987	1	0.7	2200.00	31.3	0	0.0	0.00	0.0	1	0.4	2200.00	30.7	
	TOTAL	10	2.1	17790.00	24.2	0	0.0	0.00	0.0	10	0.6	17790.00	23.9	
SILVERJAW MINNOW	1978	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0	
	TOTAL	0	0.0	0.00	0.0	6	2.0	3.00	0.6	6	1.6	3.00	0.0	
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.2	1.19	0.3	1	0.1	1.19	0.0	
	1985	1	0.4	22.00	0.1	2	0.5	1.43	0.5	3	0.4	23.43	0.1	
	1987	0	0.0	0.00	0.0	1	1.4	2.24	1.6	1	0.4	2.24	0.0	
TOTAL	1	0.2	22.00	0.1	4	0.4	4.86	0.6	5	0.3	26.86	0.1		
GOLDEN SHINER	1979	0	0.0	0.00	0.0	2	1.4	0.79	0.7	2	1.0	0.79	0.0	
	1981	2	2.1	15.00	0.1	0	0.0	0.00	0.0	2	1.7	15.00	0.1	
	1982	1	2.9	8.83	0.1	0	0.0	0.00	0.0	1	2.6	8.83	0.1	
TOTAL	3	1.6	23.83	0.1	2	1.2	0.79	0.3	5	1.4	24.62	0.1		
EMERALD SHINER	1985	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0	
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.05	0.0	1	0.1	0.05	0.0	
STRIPED SHINER	1978	0	0.0	0.00	0.0	18	6.1	9.32	1.9	18	4.8	9.32	0.1	
	1979	0	0.0	0.00	0.0	5	3.5	1.02	0.9	5	2.5	1.02	0.0	
	1983	0	0.0	0.00	0.0	24	88.9	4.91	70.6	24	31.2	4.91	0.0	
	1984	0	0.0	0.00	0.0	1	2.3	0.41	1.2	1	1.0	0.41	0.0	
	1985	2	0.7	1.38	0.0	159	40.1	82.62	31.7	161	23.6	84.00	0.5	
TOTAL	2	0.4	1.38	0.0	207	22.9	98.28	10.9	209	14.6	99.66	0.2		
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	19	3.0	7.86	1.9	19	2.7	7.86	0.0	
	1978	3	3.7	2.40	0.0	9	3.1	3.92	0.8	12	3.2	6.32	0.1	
	1979	0	0.0	0.00	0.0	16	11.2	6.16	5.3	16	8.1	6.16	0.1	
	1981	1	1.1	10.00	0.1	0	0.0	0.00	0.0	1	0.9	10.00	0.1	
	1982	1	2.9	1.96	0.0	4	100	1.96	100	5	13.2	3.92	0.0	
	1985	2	0.7	0.80	0.0	34	8.6	11.96	4.6	36	5.3	12.76	0.1	
	1986	2	1.4	2.30	0.0	0	0.0	0.00	0.0	2	1.1	2.30	0.0	
	1987	0	0.0	0.00	0.0	1	1.4	0.04	0.0	1	0.4	0.04	0.0	
	TOTAL	9	1.2	50.99	0.3	310	48.4	263.00	62.0	321	45.0	313.99	1.9	
	SPOTFIN SHINER	1977	11	15.2	3.82	0.0	42	14.3	72.01	15.0	43	11.5	75.83	0.9
		1978	1	1.2	34.25	0.7	96	67.1	93.24	80.3	103	52.3	127.49	2.4
1979		7	13.0	2.00	0.0	11	52.4	13.05	11.3	13	11.3	15.05	0.1	
1981		2	2.1	12.70	0.1	2	7.4	1.85	26.6	7	9.1	14.55	0.1	
1983		5	10.0	0.91	0.0	38	86.4	28.61	81.4	39	40.2	29.52	0.3	
1984		1	1.9	42.75	0.3	65	16.4	26.83	10.3	79	11.6	69.58	0.4	
1985		14	4.9	12.89	0.1	5	11.9	3.98	10.5	17	9.4	16.87	0.1	
1986		12	8.6	56.64	0.8	52	70.3	64.89	46.4	120	53.6	121.53	1.7	
1987		68	45.3	216.95	0.2	621	36.9	567.46	35.1	742	27.9	784.41	0.7	
TOTAL		121	12.4	216.95	0.2	621	36.9	567.46	35.1	742	27.9	784.41	0.7	
SAND SHINER		1977	1	0.7	0.15	0.0	47	7.3	10.69	2.5	48	6.7	10.84	0.1
	1978	0	0.0	0.00	0.0	32	10.9	8.62	1.8	32	8.5	8.62	0.1	
	1979	0	0.0	0.00	0.0	13	9.1	6.35	5.5	13	6.6	6.35	0.1	
	1983	0	0.0	0.00	0.0	1	3.7	0.19	2.7	1	1.3	0.19	0.0	
	1985	0	0.0	0.00	0.0	1	0.3	0.23	0.1	1	0.1	0.23	0.0	
TOTAL	1	0.1	0.15	0.0	94	6.3	26.08	2.0	95	4.6	26.23	0.0		
REDFIN SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.30	0.1	1	0.1	0.30	0.0	
	1978	0	0.0	0.00	0.0	6	2.0	5.08	1.1	6	1.9	5.08	0.1	
	1981	0	0.0	0.00	0.0	1	4.8	0.57	0.5	1	0.9	0.57	0.0	
	1984	0	0.0	0.00	0.0	1	2.3	0.80	2.3	1	1.0	0.80	0.0	
	1985	0	0.0	0.00	0.0	13	3.3	13.98	5.4	13	1.9	13.98	0.1	
	1987	0	0.0	0.00	0.0	4	5.4	3.08	2.2	4	1.8	3.08	0.0	
	TOTAL	0	0.0	0.00	0.0	26	1.8	23.81	1.6	26	1.2	23.81	0.0	
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.2	0.64	0.2	1	0.1	0.64	0.0	
	1986	1	0.7	0.42	0.0	0	0.0	0.00	0.0	1	0.6	0.42	0.0	
	TOTAL	1	0.5	0.42	0.0	1	0.1	0.64	0.1	2	0.2	1.06	0.0	
SUCKERMOUTH MINNOW	1978	1	1.2	0.88	0.0	5	1.7	2.53	0.5	6	1.6	3.41	0.0	
	1983	2	4.0	1.34	0.0	0	0.0	0.00	0.0	2	2.6	1.34	0.0	
	1985	1	0.4	1.50	0.0	0	0.0	0.00	0.0	1	0.1	1.50	0.0	
	TOTAL	4	1.0	3.72	0.0	5	0.7	2.53	0.3	9	0.8	6.25	0.0	

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
BLUNTNOSE MINNOW	1977	2	2.8	5.28	0.0	31	4.8	19.57	4.6	33	4.6	24.85	0.2	
	1978	7	8.5	13.03	0.2	143	48.8	314.99	65.7	150	40.0	328.02	3.8	
	1979	4	7.4	19.57	0.4	4	2.8	2.83	2.4	8	4.1	22.40	0.4	
	1984	0	0.0	0.00	0.0	2	4.5	1.88	5.3	2	2.1	1.88	0.0	
	1985	51	18.0	105.97	0.6	66	16.6	43.99	16.9	117	17.2	149.96	0.9	
	1986	27	19.4	42.12	0.3	33	78.6	30.32	80.0	60	33.1	72.44	0.5	
	1987	13	8.7	19.45	0.3	7	9.5	11.19	8.0	20	3.9	30.64	0.4	
	TOTAL	104	12.5	205.42	0.3	286	17.5	424.77	28.5	390	15.8	630.19	0.8	
	FATHEAD MINNOW	1978	0	0.0	0.00	0.0	1	0.3	1.62	0.3	1	0.3	1.62	0.0
		TOTAL	0	0.0	0.00	0.0	1	0.3	1.62	0.3	1	0.3	1.62	0.0
BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	43	6.7	33.95	8.0	55	7.6	66.96	0.4	
	1978	5	6.1	12.32	0.2	2	0.7	4.89	1.0	7	1.9	17.21	0.2	
	1979	1	1.9	5.08	0.1	0	0.0	0.00	0.0	1	0.5	5.08	0.1	
	1984	2	3.8	8.31	0.1	0	0.0	0.00	0.0	2	2.1	8.31	0.1	
	1985	12	4.2	31.19	0.2	6	1.5	12.22	4.7	18	2.6	43.41	0.3	
	1987	1	0.7	1.59	0.0	2	2.7	1.13	0.8	3	1.3	2.72	0.0	
	TOTAL	33	4.7	91.50	0.1	53	3.3	52.19	3.6	86	3.7	143.69	0.2	
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0	
	TOTAL	0	0.0	0.00	0.0	108	16.8	5.17	1.2	108	15.1	5.17	0.0	
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.1	466.50	2.9	
	1978	9	11.0	3674.00	45.6	0	0.0	0.00	0.0	9	2.4	3674.00	43.1	
	1979	5	9.3	1748.00	34.0	0	0.0	0.00	0.0	5	2.5	1748.00	33.3	
	1981	2	2.1	990.00	6.0	0	0.0	0.00	0.0	2	1.7	990.00	5.9	
	1982	1	2.9	600.00	5.4	0	0.0	0.00	0.0	1	2.6	600.00	5.4	
	1983	14	28.0	9020.00	60.4	0	0.0	0.00	0.0	14	18.2	9020.00	60.4	
	1984	5	9.4	2900.00	29.3	0	0.0	0.00	0.0	5	5.2	2900.00	29.2	
	1985	3	1.1	2295.00	14.1	0	0.0	0.00	0.0	3	0.4	2295.00	13.8	
	1986	1	0.7	700.00	4.7	0	0.0	0.00	0.0	1	0.6	700.00	4.7	
	TOTAL	41	4.8	22393.50	19.9	0	0.0	0.00	0.0	41	1.7	22393.50	19.6	
WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.1	275.00	1.7	
	1981	1	1.1	325.00	2.0	0	0.0	0.00	0.0	1	0.9	325.00	2.0	
	1983	1	2.0	250.00	1.7	0	0.0	0.00	0.0	1	1.3	250.00	1.7	
	TOTAL	3	1.2	850.00	1.8	0	0.0	0.00	0.0	3	0.3	850.00	1.8	
	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.1	377.50	2.3	
NORTHERN HOGSUCKER	1981	4	4.3	1685.00	10.2	0	0.0	0.00	0.0	4	3.5	1685.00	10.1	
	1982	2	5.9	1140.00	10.2	0	0.0	0.00	0.0	2	5.3	1140.00	10.2	
	1983	1	2.0	400.00	2.7	0	0.0	0.00	0.0	1	1.3	400.00	2.7	
	1984	5	9.4	3400.00	34.4	0	0.0	0.00	0.0	5	5.2	3400.00	34.2	
	1985	8	2.8	3696.70	22.7	1	0.3	1.24	0.5	9	1.3	3697.94	22.3	
	1986	1	0.7	670.00	4.5	0	0.0	0.00	0.0	1	0.6	670.00	4.5	
	1987	1	0.7	340.00	4.8	0	0.0	0.00	0.0	1	0.4	340.00	4.7	
	TOTAL	23	2.6	11709.20	11.0	1	0.1	1.24	0.1	24	1.1	11710.44	10.9	
	1979	1	1.9	1505.00	29.3	0	0.0	0.00	0.0	1	0.5	1505.00	28.7	
	1981	1	1.1	1410.00	8.5	0	0.0	0.00	0.0	1	0.9	1410.00	8.5	
1982	2	5.9	1765.00	15.8	0	0.0	0.00	0.0	2	5.3	1765.00	15.8		
1983	1	2.0	891.00	6.0	0	0.0	0.00	0.0	1	1.3	891.00	6.0		
1985	2	0.7	4.68	0.0	0	0.0	0.00	0.0	2	0.3	4.68	0.0		
1986	1	0.7	695.00	4.6	0	0.0	0.00	0.0	1	0.6	695.00	4.6		
TOTAL	8	1.2	6270.68	7.9	0	0.0	0.00	0.0	8	0.6	6270.68	7.9		
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0	1	0.1	63.00	0.4	
	1978	1	1.2	165.00	2.1	0	0.0	0.00	0.0	1	0.3	165.00	1.9	
	1981	4	4.3	5325.00	32.2	0	0.0	0.00	0.0	4	3.5	5325.00	32.0	
	1986	4	2.9	88.00	0.6	0	0.0	0.00	0.0	4	2.2	88.00	0.6	
	TOTAL	10	2.6	5641.00	10.2	0	0.0	0.00	0.0	10	0.7	5641.00	10.0	
BLACK REDHORSE	1983	1	2.0	450.00	3.0	0	0.0	0.00	0.0	1	1.3	450.00	3.0	
	1985	2	0.7	4.39	0.0	0	0.0	0.00	0.0	2	0.3	4.39	0.0	
	TOTAL	3	0.9	454.39	1.5	0	0.0	0.00	0.0	3	0.4	454.39	1.4	
GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0.0	0.00	0.0	5	0.6	1394.00	8.6	
	1978	1	1.2	830.00	10.3	1	0.3	1.34	0.3	2	0.5	831.34	9.7	
	1979	4	7.4	98.00	1.9	0	0.0	0.00	0.0	4	2.0	98.00	1.9	
	1981	3	3.2	629.00	3.8	0	0.0	0.00	0.0	3	2.6	629.00	3.8	
	1982	3	8.8	700.00	6.3	0	0.0	0.00	0.0	3	7.9	700.00	6.3	
	1984	2	3.8	1355.00	13.7	0	0.0	0.00	0.0	2	2.1	1355.00	13.6	
	1985	25	8.8	1028.45	6.3	26	6.5	28.48	10.9	51	7.5	1056.93	6.4	
	1986	13	9.4	3211.03	21.4	0	0.0	0.00	0.0	13	7.2	3211.03	21.4	
	1987	3	2.0	130.65	1.9	0	0.0	0.00	0.0	3	1.3	130.65	1.8	
	TOTAL	59	6.1	9376.13	8.9	27	1.6	29.82	1.9	86	3.3	9405.95	8.8	
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	0.0	4	0.5	1525.50	9.5	
	1981	6	6.4	1623.00	9.8	0	0.0	0.00	0.0	6	5.2	1623.00	9.7	
	1985	13	4.6	22.42	0.1	6	1.5	7.94	3.0	19	2.8	30.36	0.2	
	1986	2	1.4	40.42	0.3	0	0.0	0.00	0.0	2	1.1	40.42	0.3	
	TOTAL	25	4.2	3211.34	5.1	6	0.5	7.94	0.9	31	1.8	3219.28	5.0	
UNIDENTIFIED REDHORSE	1977	3	4.1	9.70	0.1	3	0.5	5.45	1.3	6	0.8	15.15	0.1	
	1978	1	1.2	0.66	0.0	6	2.0	5.19	1.1	7	1.9	5.85	0.1	
	1979	1	1.9	0.92	0.0	0	0.0	0.00	0.0	1	0.5	0.92	0.0	
	1983	2	4.0	1.48	0.0	0	0.0	0.00	0.0	2	2.6	1.48	0.0	
	TOTAL	7	2.7	12.76	0.0	9	0.8	10.64	1.0	16	1.2	23.40	0.1	
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0	0.0	0.00	0.0	1	0.1	300.00	1.9	
	1985	1	0.4	2110.00	12.9	0	0.0	0.00	0.0	1	0.1	2110.00	12.7	
	1986	1	0.7	4082.00	27.2	0	0.0	0.00	0.0	1	0.6	4082.00	27.1	
	TOTAL	3	0.5	6492.00	13.8	0	0.0	0.00	0.0	3	0.2	6492.00	13.6	
STONEC	1977	1	1.4	24.50	0.2	0	0.0	0.00	0.0	1	0.1	24.50	0.2	
	1984	3	5.7	22.98	0.2	0	0.0	0.00	0.0	3	3.1	22.98	0.2	
	TOTAL	4	3.2	47.48	0.2	0	0.0	0.00	0.0	4	0.5	47.48	0.2	
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	1	0.2	0.62	0.1	1	0.1	0.62	0.0	
	1978	0	0.0	0.00	0.0	1	0.3	0.26	0.1	1	0.3	0.26	0.0	
	1986	0	0.0	0.00	0.0	1	2.4	0.21	0.6	1	0.6	0.21	0.0	
	1987	1	0.7	0.26	0.0	0	0.0	0.00	0.0	1	0.4	0.26	0.0	
	TOTAL	1	0.2	0.26	0.0	3	0.3	1.09	0.1	4	0.3	1.35	0.0	

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	10	1.6	6.20	1.5	10	1.4	6.20	0.0	
	1985	1	0.4	0.52	0.0	2	0.5	0.39	0.1	3	0.4	0.91	0.0	
	1986	3	2.2	5.87	0.0	2	4.8	3.17	8.4	5	2.8	9.04	0.1	
	1987	0	0.0	0.00	0.0	2	2.7	0.80	0.6	2	0.9	0.80	0.0	
	TOTAL	4	0.6	6.39	0.0	16	1.4	10.56	1.2	20	1.1	15.95	0.0	
ROCK BASS	1977	4	4.8	186.22	1.2	7	1.1	11.88	2.8	11	1.5	198.10	1.2	
	1978	2	2.4	18.78	0.2	0	0.0	0.00	0.0	2	0.5	18.78	0.2	
	1979	5	9.3	264.31	5.1	0	0.0	0.00	0.0	5	2.5	264.31	5.0	
	1981	8	8.5	849.00	5.1	0	0.0	0.00	0.0	8	7.0	849.00	5.1	
	1982	2	5.9	192.00	1.7	0	0.0	0.00	0.0	2	5.3	192.00	1.7	
	1983	2	4.0	122.00	0.8	0	0.0	0.00	0.0	2	2.6	122.00	0.8	
	1984	1	1.9	205.00	2.1	0	0.0	0.00	0.0	1	1.0	205.00	2.1	
	1985	16	5.6	635.87	3.9	1	0.3	0.49	0.2	17	2.5	636.36	3.8	
	1986	7	5.0	651.00	4.4	0	0.0	0.00	0.0	7	3.9	661.00	4.4	
	1987	4	2.7	225.00	3.2	0	0.0	0.00	0.0	4	1.8	225.00	3.1	
	TOTAL	51	5.0	3359.18	2.8	8	0.5	12.37	0.8	59	2.2	3371.55	2.8	
GREEN SUNFISH	1977	0	0.0	0.00	0.0	1	0.2	0.46	0.1	1	0.1	0.46	0.0	
	1978	1	1.2	7.00	0.1	0	0.0	0.00	0.0	1	0.3	7.00	0.1	
	1979	3	5.6	26.00	0.5	0	0.0	0.00	0.0	3	1.5	26.00	0.5	
	1981	31	33.0	652.00	3.9	1	4.8	1.70	1.5	32	27.8	653.70	3.9	
	1982	12	35.3	298.00	2.7	0	0.0	0.00	0.0	12	31.6	298.00	2.7	
	1983	1	2.0	27.00	0.2	0	0.0	0.00	0.0	1	1.3	27.00	0.2	
	1984	13	24.5	482.60	4.9	0	0.0	0.00	0.0	13	13.4	482.60	4.9	
	1985	28	9.9	1146.87	7.0	0	0.0	0.00	0.0	28	4.1	1146.87	6.9	
	1986	27	19.4	603.20	4.0	0	0.0	0.00	0.0	27	14.9	603.20	4.0	
	1987	5	3.3	90.15	1.3	0	0.0	0.00	0.0	5	2.2	90.15	1.3	
	TOTAL	121	12.0	3332.82	2.8	2	0.1	2.16	0.1	123	4.6	3334.98	2.7	
PUMPKINSEED	1981	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3	
TOTAL	1	1.1	45.00	0.3	0	0.0	0.00	0.0	1	0.9	45.00	0.3		
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	24	3.7	7.42	1.7	24	3.4	7.42	0.0	
	1981	8	8.5	31.00	0.2	0	0.0	0.00	0.0	8	7.0	31.00	0.2	
	1983	3	6.0	53.00	0.4	0	0.0	0.00	0.0	3	3.9	53.00	0.4	
	1985	18	6.3	230.10	1.4	0	0.0	0.00	0.0	18	2.6	230.10	1.4	
	1987	2	1.3	24.80	0.4	0	0.0	0.00	0.0	2	0.9	24.80	0.3	
	TOTAL	31	4.8	338.90	0.5	24	2.1	7.42	0.8	55	3.0	346.32	0.5	
BLUEGILL	1977	0	0.0	0.00	0.0	5	0.8	1.64	0.4	5	0.7	1.64	0.0	
	1978	1	1.2	10.00	0.1	1	0.3	6.96	1.5	2	0.5	16.96	0.2	
	1981	1	1.1	2.00	0.0	0	0.0	0.00	0.0	1	0.9	2.00	0.0	
	1982	1	2.9	52.00	0.5	0	0.0	0.00	0.0	1	2.6	52.00	0.5	
	1983	3	6.0	181.00	1.2	0	0.0	0.00	0.0	3	3.9	181.00	1.2	
	1984	4	7.5	306.00	3.1	0	0.0	0.00	0.0	4	4.1	306.00	3.1	
	1985	8	2.8	607.00	3.7	0	0.0	0.00	0.0	8	1.2	607.00	3.7	
	1986	6	4.3	199.00	1.3	0	0.0	0.00	0.0	6	3.3	199.00	1.3	
	1987	5	3.3	135.00	1.9	0	0.0	0.00	0.0	5	2.2	135.00	1.9	
	TOTAL	29	3.0	1492.00	1.3	6	0.4	8.60	0.6	35	1.4	1500.60	1.3	
	CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1
TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.1	8.25	0.1		
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	6	0.9	2.27	0.5	9	1.3	53.27	0.3	
	1978	8	9.8	108.85	1.4	0	0.0	0.00	0.0	8	2.1	108.85	1.3	
	1979	8	14.8	151.53	3.0	0	0.0	0.00	0.0	8	4.1	151.53	2.9	
	1981	2	2.1	58.00	0.4	0	0.0	0.00	0.0	2	1.7	58.00	0.3	
	1982	3	8.8	90.00	0.8	0	0.0	0.00	0.0	3	7.9	90.00	0.8	
	1983	1	2.0	6.00	0.0	0	0.0	0.00	0.0	1	1.3	6.00	0.0	
	1985	32	11.3	288.96	1.8	2	0.5	16.36	6.3	34	5.0	305.32	1.8	
	1986	8	5.8	67.77	0.5	0	0.0	0.00	0.0	8	4.4	67.77	0.5	
	1987	22	14.7	326.44	4.7	1	1.4	3.44	2.5	23	10.3	329.88	4.6	
	TOTAL	87	9.1	1148.55	1.0	9	0.5	22.07	1.4	96	3.7	1170.62	1.1	
	GREEN SUNFISH X BLUEGILL	1982	1	2.9	60.00	0.5	0	0.0	0.00	0.0	1	2.6	60.00	0.5
1984	1	1.9	118.00	1.2	0	0.0	0.00	0.0	1	1.0	118.00	1.2		
TOTAL	2	2.3	178.00	0.8	0	0.0	0.00	0.0	2	1.5	178.00	0.8		
GREEN X LONGEAR SUNFISH	1981	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.9	14.00	0.1	
TOTAL	1	1.1	14.00	0.1	0	0.0	0.00	0.0	1	0.9	14.00	0.1		
UNIDENTIFIED SUNFISH	1979	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0	
TOTAL	0	0.0	0.00	0.0	2	1.4	0.21	0.2	2	1.0	0.21	0.0		
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	0	0.0	0.00	0.0	17	2.4	3966.92	24.6	
	1978	10	12.2	1319.43	16.4	0	0.0	0.00	0.0	10	2.7	1319.43	15.5	
	1979	9	16.7	843.55	16.4	1	0.7	2.59	2.2	10	5.1	846.14	16.1	
	1981	5	5.3	620.00	3.7	0	0.0	0.00	0.0	5	4.3	620.00	3.7	
	1982	1	2.9	215.00	1.9	0	0.0	0.00	0.0	1	2.6	215.00	1.9	
	1983	5	10.0	542.00	3.6	0	0.0	0.00	0.0	5	6.5	542.00	3.6	
	1984	8	15.1	396.00	4.0	0	0.0	0.00	0.0	8	8.2	396.00	4.0	
	1985	26	9.2	1591.90	9.8	2	0.5	3.85	1.5	28	4.1	1595.75	9.6	
	1986	12	8.6	2019.00	13.5	0	0.0	0.00	0.0	12	6.6	2019.00	13.4	
	1987	7	4.7	1304.09	18.6	2	2.7	52.37	37.5	9	4.0	1356.46	18.9	
	TOTAL	100	9.9	12817.89	10.7	5	0.3	58.81	3.6	105	3.9	12876.70	10.6	
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0	1	0.1	201.00	1.2	
	1978	9	11.0	46.83	0.6	2	0.7	8.35	1.7	11	2.9	55.18	0.6	
	1979	1	1.9	3.38	0.1	0	0.0	0.00	0.0	1	0.5	3.38	0.1	
	1982	1	2.9	2.00	0.0	0	0.0	0.00	0.0	1	2.6	2.00	0.0	
	1984	2	3.8	195.00	2.0	1	2.3	2.32	6.6	3	3.1	197.32	2.0	
	1985	9	3.2	677.08	4.1	0	0.0	0.00	0.0	9	1.3	677.08	4.1	
	1986	6	4.3	1095.62	7.3	0	0.0	0.00	0.0	6	3.3	1095.62	7.3	
	1987	2	1.3	291.48	4.2	0	0.0	0.00	0.0	2	0.9	291.48	4.1	
	TOTAL	31	3.5	2512.89	2.8	3	0.2	10.67	0.7	34	1.3	2523.56	2.8	
	WHITE CRAPPIE	1977	1	0.7	65.00	0.4	6	0.9	3.36	0.8	7	0.9	68.36	0.4
	1978	0	0.0	0.00	0.0	1	0.3	1.53	0.3	1	0.3	1.53	0.0	
1979	2	3.7	190.00	3.7	3	2.1	1.92	1.7	5	2.5	191.92	3.7		
1981	3	3.2	316.00	1.9	0	0.0	0.00	0.0	3	2.6	316.00	1.9		
1984	1	1.9	35.00	0.4	0	0.0	0.00	0.0	1	1.0	35.00	0.4		
1985	1	0.4	121.00	0.7	0	0.0	0.00	0.0	1	0.1	121.00	0.7		
TOTAL	8	1.2	727.00	1.0	10	0.6	6.81	0.5	18	0.8	733.81	1.0		

APPENDIX D-5 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 3R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	12	1.9	40.54	9.6	13	1.8	104.54	0.6
	1978	0	0.0	0.00	0.0	5	1.7	7.63	1.6	5	1.3	7.63	0.1
	1979	0	0.0	0.00	0.0	1	0.7	1.04	0.9	1	0.5	1.04	0.0
	1981	1	1.1	15.00	0.1	1	4.8	80.00	69.1	2	1.7	95.00	0.6
	1987	1	0.7	30.00	0.4	0	0.0	0.00	0.0	1	0.4	30.00	0.4
	TOTAL	3	0.6	109.00	0.2	19	1.6	129.21	10.1	22	1.3	238.21	0.4
JOHNNY DARTER	1978	0	0.0	0.00	0.0	10	3.4	3.89	0.8	10	2.7	3.89	0.0
	1985	0	0.0	0.00	0.0	4	1.0	2.30	0.9	4	0.6	2.30	0.0
	1986	0	0.0	0.00	0.0	1	2.4	0.24	0.6	1	0.6	0.24	0.0
	1987	0	0.0	0.00	0.0	2	2.7	0.61	0.4	2	0.9	0.61	0.0
	TOTAL	0	0.0	0.00	0.0	17	2.1	7.04	0.8	17	1.2	7.04	0.0
YELLOW PERCH	1978	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2
	TOTAL	1	1.2	18.00	0.2	0	0.0	0.00	0.0	1	0.3	18.00	0.2
BLACKSIDE DARTER	1981	0	0.0	0.00	0.0	1	4.8	0.39	0.3	1	0.9	0.39	0.0
	1985	2	0.7	2.41	0.0	4	1.0	3.68	1.4	6	0.9	6.09	0.0
	TOTAL	2	0.5	2.41	0.0	5	1.2	4.07	1.1	7	0.9	6.48	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	2	0.5	2.36	0.9	2	0.3	2.36	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.5	2.36	0.9	2	0.3	2.36	0.0
WALLEYE	1977	1	0.7	20.00	0.1	0	0.0	0.00	0.0	1	0.1	20.00	0.1
	1981	1	1.1	281.00	1.7	0	0.0	0.00	0.0	1	0.9	281.00	1.7
	1985	1	0.4	790.00	4.8	0	0.0	0.00	0.0	1	0.1	790.00	4.8
	TOTAL	3	0.6	1091.00	2.2	0	0.0	0.00	0.0	3	0.2	1091.00	2.2
FRESHWATER DRUM	1987	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9
	TOTAL	1	0.7	640.00	9.1	0	0.0	0.00	0.0	1	0.4	640.00	8.9

APPENDIX D-6. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
LONGNOSE GAR	1978	1	0.6	17.00	0.2	0	0.0	0.00	0.0	1	0.5	17.00	0.2
	1981	1	1.0	4.00	0.0	0	0.0	0.00	0.0	1	0.8	4.00	0.0
	1982	1	1.9	2.00	0.0	0	0.0	0.00	0.0	1	1.4	2.00	0.0
	1985	0	0.0	0.00	0.0	3	1.0	80.00	30.7	3	0.8	80.00	0.7
	TOTAL	3	0.7	23.00	0.1	3	0.8	80.00	16.7	6	0.7	103.00	0.2
GIZZARD SHAD	1977	2	1.3	22.70	0.4	4	0.4	3.86	0.5	6	0.5	26.56	0.1
	1978	4	2.3	44.00	0.4	0	0.0	0.00	0.0	4	1.8	44.00	0.4
	1979	0	0.0	0.00	0.0	1	1.4	0.54	0.4	1	0.7	0.54	0.0
	1984	2	2.9	1370.00	13.0	0	0.0	0.00	0.0	2	0.6	1370.00	12.9
	1987	3	1.8	575.00	5.7	0	0.0	0.00	0.0	3	1.2	575.00	5.7
	TOTAL	11	1.7	2011.70	3.6	5	0.3	4.40	0.4	16	0.7	2016.10	3.5
GRASS PICKEREL	1977	1	0.4	7.00	0.0	3	0.3	44.32	5.5	4	0.3	51.32	0.3
	1978	4	2.3	137.00	1.3	2	4.4	9.00	11.9	6	2.8	146.00	1.4
	1979	1	1.3	9.00	0.1	0	0.0	0.00	0.0	1	0.7	9.00	0.1
	1981	3	3.1	34.00	0.2	2	7.4	18.88	14.1	5	4.0	52.88	0.3
	1983	0	0.0	0.00	0.0	2	10.0	10.82	10.4	2	2.7	10.82	0.1
	1984	1	1.5	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	1	1.0	93.00	0.9	0	0.0	0.00	0.0	1	0.3	93.00	0.8
	1986	1	0.5	42.00	0.2	0	0.0	0.00	0.0	1	0.3	42.00	0.2
	1987	1	0.6	38.00	0.4	0	0.0	0.00	0.0	1	0.4	38.00	0.4
	TOTAL	13	1.2	362.91	0.3	9	0.4	83.02	3.7	22	0.7	445.93	0.4
NORTHERN PIKE	1977	1	0.8	283.00	1.6	0	0.0	0.00	0.0	1	0.1	283.00	1.6
	1978	1	0.6	65.00	0.6	0	0.0	0.00	0.0	1	0.5	65.00	0.6
	1982	1	1.9	350.00	2.9	0	0.0	0.00	0.0	1	1.4	350.00	2.9
	TOTAL	3	0.9	698.00	1.7	0	0.0	0.00	0.0	3	0.2	698.00	1.7
CENTRAL STONEROLLER	1977	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
	TOTAL	1	0.4	1.39	0.0	0	0.0	0.00	0.0	1	0.0	1.39	0.0
CARP	1977	2	1.3	1547.50	9.0	0	0.0	0.00	0.0	2	0.1	1547.50	8.6
	1978	2	1.2	3125.00	29.2	0	0.0	0.00	0.0	2	0.9	3125.00	29.0
	1979	1	1.3	735.00	9.2	0	0.0	0.00	0.0	1	0.7	735.00	9.1
	1981	9	9.2	5876.00	35.0	0	0.0	0.00	0.0	9	7.2	5876.00	34.7
	1982	3	5.8	2930.00	24.3	0	0.0	0.00	0.0	3	4.3	2930.00	24.2
	1983	3	5.6	4690.00	36.6	0	0.0	0.00	0.0	3	4.1	4690.00	36.3
	1984	1	1.5	595.00	5.6	0	0.0	0.00	0.0	1	0.3	595.00	5.6
	TOTAL	21	3.2	19498.50	22.1	0	0.0	0.00	0.0	21	0.9	19498.50	21.8
HORNHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.44	0.1	1	0.1	0.44	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.49	0.4	1	0.7	0.49	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.30	0.1	1	0.3	0.30	0.0
	TOTAL	0	0.0	0.00	0.0	3	0.2	1.23	0.1	3	0.2	1.23	0.0
GOLDEN SHINER	1984	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.52	0.7	1	0.3	0.52	0.0
EMERALD SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.32	0.0	1	0.1	0.32	0.0
	1983	1	1.9	2.84	0.0	0	0.0	0.00	0.0	1	1.4	2.84	0.0
	1985	0	0.0	0.00	0.0	2	0.7	0.19	0.1	2	0.5	0.19	0.0
	TOTAL	1	0.4	2.84	0.0	3	0.2	0.51	0.0	4	0.2	3.35	0.0
STRIPED SHINER	1977	0	0.0	0.00	0.0	21	2.0	12.68	1.6	21	1.8	12.68	0.1
	1978	0	0.0	0.00	0.0	14	31.1	5.61	7.4	14	6.4	5.61	0.1
	1979	0	0.0	0.00	0.0	2	2.8	0.41	0.3	2	1.3	0.41	0.0
	1982	0	0.0	0.00	0.0	10	58.8	3.65	45.6	10	14.5	3.65	0.0
	1984	0	0.0	0.00	0.0	117	40.9	34.68	45.9	117	33.1	34.68	0.3
	1985	0	0.0	0.00	0.0	120	41.2	54.29	20.8	120	30.8	54.29	0.5
	1986	0	0.0	0.00	0.0	1	0.6	0.16	0.0	1	0.3	0.16	0.0
	1987	1	0.6	0.55	0.0	6	6.6	2.69	2.6	7	2.7	3.24	0.0
	TOTAL	1	0.1	0.55	0.0	291	14.3	114.17	5.7	292	9.8	114.72	0.1
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.95	0.1	1	0.1	0.95	0.0
RED SHINER	1977	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	2.16	0.3	1	0.1	2.16	0.0
ROSYFACE SHINER	1977	2	1.3	2.15	0.0	210	19.7	82.24	10.1	212	17.8	84.39	0.5
	1979	0	0.0	0.00	0.0	21	29.6	6.85	5.2	21	13.9	6.85	0.1
	1981	1	1.0	1.14	0.0	1	3.7	0.57	0.4	2	1.6	1.71	0.0
	1982	0	0.0	0.00	0.0	2	11.8	0.72	9.0	2	2.9	0.72	0.0
	1984	0	0.0	0.00	0.0	135	47.2	22.33	29.6	135	38.1	22.33	0.2
	1985	0	0.0	0.00	0.0	16	5.5	4.81	1.8	16	4.1	4.81	0.0
	1987	1	0.6	0.65	0.0	0	0.0	0.00	0.0	1	0.4	0.65	0.0
	TOTAL	4	0.5	3.94	0.0	385	20.8	117.52	7.7	389	15.4	121.46	0.1
SPOTFIN SHINER	1977	6	4.6	17.92	0.1	215	20.2	150.23	18.5	221	18.6	168.15	0.9
	1979	1	1.3	3.51	0.0	0	0.0	0.00	0.0	1	0.7	3.51	0.0
	1983	0	0.0	0.00	0.0	4	14.8	4.48	3.3	4	3.2	4.48	0.0
	1984	3	5.6	7.60	0.1	4	20.0	4.11	4.0	7	9.5	11.71	0.1
	1985	1	1.5	3.89	0.0	5	1.7	5.14	6.8	6	1.7	9.03	0.1
	1986	0	0.0	0.00	0.0	36	12.4	9.54	3.7	36	9.3	9.54	0.1
	1987	7	3.6	19.01	0.1	4	2.3	3.17	0.6	11	3.0	22.18	0.1
	TOTAL	9	5.5	10.83	0.1	52	57.1	9.95	9.3	61	23.8	20.78	0.2
SAND SHINER	1977	27	3.0	62.76	0.1	320	15.8	186.62	8.6	347	11.9	249.38	0.2
	1978	0	0.0	0.00	0.0	18	1.7	5.87	0.7	18	1.5	5.87	0.0
	1984	0	0.0	0.00	0.0	5	1.7	3.92	5.2	5	1.4	3.92	0.0
	1985	0	0.0	0.00	0.0	1	0.3	0.31	0.1	1	0.3	0.31	0.0
	1986	0	0.0	0.00	0.0	1	0.6	0.67	0.1	1	0.3	0.67	0.0
	TOTAL	0	0.0	0.00	0.0	25	1.4	10.77	0.6	25	1.1	10.77	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	116	10.9	20.95	2.6	116	9.8	20.95	0.1
	1979	0	0.0	0.00	0.0	1	1.4	0.72	0.5	1	0.7	0.72	0.0
	1981	0	0.0	0.00	0.0	7	25.9	4.23	3.2	7	5.6	4.23	0.0
	1982	0	0.0	0.00	0.0	1	5.9	0.92	11.5	1	1.4	0.92	0.0
	1985	0	0.0	0.00	0.0	2	0.7	2.52	1.0	2	0.5	2.52	0.0
	1986	1	0.5	1.00	0.0	0	0.0	0.00	0.0	1	0.3	1.00	0.0
	1987	2	1.2	1.61	0.0	0	0.0	0.00	0.0	2	0.8	1.61	0.0
	TOTAL	3	0.4	2.61	0.0	127	7.3	29.34	1.5	130	5.1	31.95	0.0
MIMIC SHINER	1986	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.1	0.75	0.1	2	0.5	0.75	0.0
BLUNTNOSE MINNOW	1977	2	1.7	4.99	0.0	71	6.7	48.79	6.0	73	6.2	53.78	0.3
	1978	11	6.4	24.49	0.2	24	53.3	38.03	50.2	35	16.1	62.52	0.5
	1979	1	1.3	2.06									

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BULLHEAD MINNOW	1977	3	2.5	12.10	0.1	7	0.7	2.57	0.3	10	0.8	14.57	0.1
	1978	3	1.7	6.44	0.1	0	0.0	0.00	0.0	3	1.4	6.44	0.1
	1979	1	1.3	4.00	0.1	0	0.0	0.00	0.0	1	0.7	4.00	0.0
	1982	1	1.9	2.66	0.0	0	0.0	0.00	0.0	1	1.4	2.66	0.0
	1983	0	0.0	0.00	0.0	2	10.0	0.30	0.3	2	2.7	0.30	0.0
	1984	1	1.5	4.15	0.0	1	0.3	0.08	0.1	2	0.6	4.23	0.0
	1985	2	2.0	8.21	0.1	0	0.0	0.00	0.0	2	0.5	8.21	0.1
	1986	0	0.0	0.00	0.0	2	1.1	0.03	0.0	2	0.5	0.03	0.0
	TOTAL	11	1.3	37.56	0.0	12	0.6	2.98	0.1	23	0.8	40.54	0.0
	UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	254	23.8	18.82	2.3	254	21.4	18.82
1978		0	0.0	0.00	0.0	1	2.2	0.04	0.1	1	0.5	0.04	0.0
1986		0	0.0	0.00	0.0	255	23.1	18.86	2.1	255	18.2	18.86	0.1
TOTAL		0	0.0	0.00	0.0	255	23.1	18.86	2.1	255	18.2	18.86	0.1
QUILLBACK	1977	1	0.4	295.00	1.7	0	0.0	0.00	0.0	1	0.0	295.00	1.6
	1978	2	1.2	1490.00	13.9	0	0.0	0.00	0.0	2	0.9	1490.00	13.8
	1979	2	2.5	1085.00	13.6	0	0.0	0.00	0.0	2	1.3	1085.00	13.4
	1982	3	5.4	1850.00	15.3	0	0.0	0.00	0.0	3	4.3	1850.00	15.3
	1983	7	13.0	4530.00	35.4	0	0.0	0.00	0.0	7	9.5	4530.00	35.1
	1984	3	4.4	1400.00	13.3	0	0.0	0.00	0.0	3	0.8	1400.00	13.2
	1985	6	6.1	3645.00	33.4	0	0.0	0.00	0.0	6	1.5	3645.00	32.7
	1986	5	2.6	3172.00	17.5	0	0.0	0.00	0.0	5	1.4	3172.00	17.0
	1987	5	3.0	3800.00	38.0	0	0.0	0.00	0.0	5	2.0	3800.00	37.6
	TOTAL	34	3.3	21267.00	19.3	0	0.0	0.00	0.0	34	1.1	21267.00	18.9
WHITE SUCKER	1981	1	1.0	530.00	3.2	0	0.0	0.00	0.0	1	0.8	530.00	3.1
	1982	1	1.9	140.00	1.2	0	0.0	0.00	0.0	1	1.4	140.00	1.2
TOTAL	2	1.3	670.00	2.3	0	0.0	0.00	0.0	2	1.0	670.00	2.3	
NORTHERN HOGSUCKER	1986	1	0.5	490.00	2.7	0	0.0	0.00	0.0	1	0.3	490.00	2.6
	TOTAL	1	0.5	490.00	2.7	0	0.0	0.00	0.0	1	0.3	490.00	2.6
SMALLMOUTH BUFFALO	1983	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.4	565.00	4.4
	TOTAL	1	1.9	565.00	4.4	0	0.0	0.00	0.0	1	1.4	565.00	4.4
BIGMOUTH BUFFALO	1982	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
	TOTAL	1	1.9	470.00	3.9	0	0.0	0.00	0.0	1	1.4	470.00	3.9
SILVER REDHORSE	1977	1	0.4	810.00	4.7	0	0.0	0.00	0.0	1	0.0	810.00	4.5
	1978	2	1.2	101.00	0.9	0	0.0	0.00	0.0	2	0.9	101.00	0.9
	1982	1	1.9	1100.00	9.1	0	0.0	0.00	0.0	1	1.4	1100.00	9.1
	1984	2	2.9	1150.00	10.9	0	0.0	0.00	0.0	2	0.6	1150.00	10.8
	TOTAL	6	1.3	3161.00	6.3	0	0.0	0.00	0.0	6	0.3	3161.00	6.1
RIVER REDHORSE	1977	5	4.2	553.50	3.2	0	0.0	0.00	0.0	5	0.4	553.50	3.1
	1981	1	1.0	230.00	1.4	0	0.0	0.00	0.0	1	0.8	230.00	1.4
	1986	5	2.6	95.00	0.5	0	0.0	0.00	0.0	5	1.4	95.00	0.5
	TOTAL	11	2.7	878.50	1.7	0	0.0	0.00	0.0	11	0.7	878.50	1.6
BLACK REDHORSE	1983	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
	TOTAL	1	1.9	400.00	3.1	0	0.0	0.00	0.0	1	1.4	400.00	3.1
GOLDEN REDHORSE	1977	21	17.5	6782.50	39.3	0	0.0	0.00	0.0	21	1.8	6782.50	37.5
	1978	10	5.8	1956.05	18.3	0	0.0	0.00	0.0	10	4.6	1956.05	18.2
	1979	10	12.5	1960.00	24.6	0	0.0	0.00	0.0	10	6.6	1960.00	24.2
	1981	9	9.2	2206.00	13.1	0	0.0	0.00	0.0	9	7.2	2206.00	13.0
	1982	5	9.6	2110.00	17.5	0	0.0	0.00	0.0	5	7.2	2110.00	17.5
	1983	3	5.6	1540.00	12.0	0	0.0	0.00	0.0	3	4.1	1540.00	11.9
	1984	12	17.6	3690.00	35.0	0	0.0	0.00	0.0	12	3.4	3690.00	34.8
	1985	3	3.1	1391.00	12.8	0	0.0	0.00	0.0	3	0.8	1391.00	12.5
	1986	20	10.4	7818.46	43.2	0	0.0	0.00	0.0	20	5.4	7818.46	42.0
	1987	4	2.4	1139.00	11.4	0	0.0	0.00	0.0	4	1.6	1139.00	11.3
TOTAL	97	8.8	30593.01	24.1	0	0.0	0.00	0.0	97	3.0	30593.01	23.7	
SHORTHEAD REDHORSE	1977	8	6.7	2433.50	14.1	0	0.0	0.00	0.0	8	0.7	2433.50	13.5
	1978	1	0.6	32.00	0.3	0	0.0	0.00	0.0	1	0.5	32.00	0.3
	1979	2	2.5	964.00	12.1	0	0.0	0.00	0.0	2	1.3	964.00	11.9
	1981	9	9.2	3797.00	22.6	0	0.0	0.00	0.0	9	7.2	3797.00	22.4
	1982	1	1.9	360.00	3.0	0	0.0	0.00	0.0	1	1.4	360.00	3.0
	1986	3	1.6	102.00	0.6	0	0.0	0.00	0.0	3	0.8	102.00	0.5
	TOTAL	24	3.4	7688.50	9.3	0	0.0	0.00	0.0	24	1.1	7688.50	9.1
UNIDENTIFIED REDHORSE	1977	2	1.7	7.16	0.0	3	0.3	5.71	0.7	5	0.4	12.87	0.1
	1978	2	1.2	1.73	0.0	0	0.0	0.00	0.0	2	0.9	1.73	0.0
TOTAL	4	1.4	8.89	0.0	3	0.3	5.71	0.6	7	0.5	14.60	0.1	
YELLOW BULLHEAD	1979	1	1.3	170.00	2.1	0	0.0	0.00	0.0	1	0.7	170.00	2.1
TOTAL	1	1.3	170.00	2.1	0	0.0	0.00	0.0	1	0.7	170.00	2.1	
CHANNEL CATFISH	1977	2	1.3	876.50	5.1	0	0.0	0.00	0.0	2	0.1	876.50	4.8
	1979	1	1.3	605.00	7.6	0	0.0	0.00	0.0	1	0.7	605.00	7.5
TOTAL	3	1.3	1481.50	5.9	0	0.0	0.00	0.0	3	0.2	1481.50	5.7	
STONEC	1977	1	0.4	12.50	0.1	0	0.0	0.00	0.0	1	0.0	12.50	0.1
	1985	1	1.0	5.57	0.1	0	0.0	0.00	0.0	1	0.3	5.57	0.0
TOTAL	2	0.7	18.07	0.1	0	0.0	0.00	0.0	2	0.1	18.07	0.1	
BLACKSTRIFE TOPMINNOW	1977	0	0.0	0.00	0.0	7	0.7	4.51	0.6	7	0.6	4.51	0.0
	1979	0	0.0	0.00	0.0	1	1.4	0.26	0.2	1	0.7	0.26	0.0
	1983	0	0.0	0.00	0.0	4	20.0	5.86	5.7	4	5.4	5.86	0.0
	1984	0	0.0	0.00	0.0	2	0.7	1.66	2.2	2	0.6	1.66	0.0
	1985	0	0.0	0.00	0.0	6	2.1	4.68	1.8	6	1.5	4.68	0.0
	1987	0	0.0	0.00	0.0	10	11.0	2.94	2.8	10	3.9	2.94	0.0
	TOTAL	0	0.0	0.00	0.0	30	1.6	19.91	1.3	30	1.2	19.91	0.0
BROOK SILVERSIDER	1977	3	2.5	3.26	0.0	55	5.2	25.99	3.2	58	4.9	29.25	0.2
	1984	0	0.0	0.00	0.0	14	4.9	2.51	3.3	14	4.0	2.51	0.0
	1985	0	0.0	0.00	0.0	17	5.8	5.49	2.1	17	4.4	5.49	0.0
	1986	1	0.5	1.44	0.0	0	0.0	0.00	0.0	1	0.3	1.44	0.0
	1987	1	0.6	0.63	0.0	2	2.2	0.64	0.6	3	1.2	1.27	0.0
	TOTAL	5	0.8	5.33	0.0	88	4.6	34.63	1.9	93	3.6	39.96	0.1
ROCK BASS	1977	14	11.7	851.92	4.9	4	0.4	2.48	0.3	18	1.5	854.40	4.7
	1978	9	5.2	399.00	3.7	0	0.0	0.00	0.0	9	4.1	399.00	3.7
	1979	13	16.3	676.00	8.5	1	1.4	56.00	42.8	14	9.3	732.00	9.1
	1981	8	8.2	659.00	3.9	4	14.8	9.14	6.8	12	9.6	668.14	3.9
	1982	6	11.5	617.00	5.1	0	0.0	0.00	0.0	6	8.7	617.00	5.1
	1984	3	4.4	230.00	2.2	0	0.0	0.00	0.0	3	0.8	230.00	2.2
	1985	8	8.2	222.13	2.0	0	0.0	0.00	0.0	8	2.1	222.13	2.0
	1986	35	18.1	2433.00	13.5	0	0.0	0.00	0.0	35	9.5	2433.00	13.1
	1987	36	21.8	2240.92	22.4	1							

APPENDIX D-6 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
GREEN SUNFISH	1977	11	9.2	263.27	1.5	3	0.3	13.51	1.7	14	1.2	276.78	1.5	
	1978	30	17.3	645.63	6.0	0	0.0	0.00	0.0	30	13.8	645.63	6.0	
	1979	24	30.0	442.00	5.6	2	2.8	21.12	16.1	26	17.2	463.12	5.7	
	1981	16	16.3	248.00	1.5	0	0.0	0.00	0.0	16	12.8	248.00	1.5	
	1982	12	23.1	192.00	1.6	0	0.0	0.00	0.0	12	17.4	192.00	1.6	
	1983	8	14.8	74.25	0.6	0	0.0	0.00	0.0	8	10.8	74.25	0.6	
	1984	7	10.3	315.82	3.0	0	0.0	0.00	0.0	7	2.0	315.82	3.0	
	1985	5	5.1	365.00	3.3	0	0.0	0.00	0.0	5	1.3	365.00	3.3	
	1986	7	3.6	324.98	1.8	2	1.1	12.01	2.2	9	2.4	336.99	1.8	
	1987	7	4.2	255.10	2.6	1	1.1	0.32	0.3	8	3.1	255.42	2.5	
TOTAL	127	11.5	3126.05	2.5	8	0.4	46.96	2.1	135	4.2	3173.01	2.5		
PUMPKINSEED	1977	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0	
	TOTAL	1	0.4	3.34	0.0	0	0.0	0.00	0.0	1	0.0	3.34	0.0	
ORANGESPOTTED SUNFISH	1977	1	0.8	3.03	0.0	4	0.4	1.35	0.2	5	0.4	4.38	0.0	
	1978	15	8.7	198.00	1.9	0	0.0	0.00	0.0	15	6.9	198.00	1.8	
	1979	3	3.8	46.00	0.6	0	0.0	0.00	0.0	3	2.0	46.00	0.6	
	1981	9	9.2	75.92	0.5	0	0.0	0.00	0.0	9	7.2	75.92	0.4	
	1983	2	3.7	38.00	0.3	0	0.0	0.00	0.0	2	2.7	38.00	0.3	
	1984	5	7.4	61.00	0.6	0	0.0	0.00	0.0	5	1.4	61.00	0.6	
	1985	8	8.2	95.88	0.9	0	0.0	0.00	0.0	8	2.1	95.88	0.9	
	1986	28	14.5	410.73	2.3	11	6.3	118.27	22.0	39	10.6	529.00	2.8	
	1987	11	6.7	132.05	1.3	2	2.2	0.22	0.2	13	5.1	132.27	1.3	
	TOTAL	82	7.8	1060.61	0.9	17	0.8	119.84	5.4	99	3.2	1180.45	1.0	
BLUEGILL	1977	1	0.4	0.92	0.0	2	0.2	0.68	0.1	3	0.2	1.60	0.0	
	1978	8	4.6	79.00	0.7	1	2.2	5.00	6.6	9	4.1	84.00	0.8	
	1979	1	1.3	15.00	0.2	0	0.0	0.00	0.0	1	0.7	15.00	0.2	
	1981	1	1.0	3.00	0.0	0	0.0	0.00	0.0	1	0.8	3.00	0.0	
	1983	1	1.9	26.00	0.2	0	0.0	0.00	0.0	1	1.4	26.00	0.2	
	1984	1	1.5	10.00	0.1	0	0.0	0.00	0.0	1	0.3	10.00	0.1	
	1986	4	2.1	203.27	1.1	4	2.3	12.24	2.3	8	2.2	215.51	1.2	
	1987	5	3.0	71.54	0.7	4	4.4	1.34	1.3	9	3.5	72.88	0.7	
	TOTAL	22	2.3	408.73	0.4	11	0.6	19.26	1.0	33	1.2	427.99	0.4	
	NORTHERN LONGEAR SUNFISH	1977	12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1
TOTAL		12	10.0	170.39	1.0	3	0.3	31.22	3.8	15	1.3	201.61	1.1	
LONGEAR SUNFISH	1977	4	2.9	50.04	0.3	7	0.7	6.99	0.9	11	0.9	57.03	0.3	
	1978	47	27.2	776.40	7.3	1	2.2	15.00	19.8	48	22.0	791.40	7.3	
	1979	10	12.5	154.00	1.9	3	4.2	11.52	8.8	13	8.6	165.52	2.0	
	1981	15	15.3	183.00	1.1	0	0.0	0.00	0.0	15	12.0	183.00	1.1	
	1982	7	13.5	61.32	0.5	0	0.0	0.00	0.0	7	10.1	61.32	0.5	
	1983	5	9.3	57.69	0.5	1	5.0	78.18	75.4	6	8.1	135.87	1.1	
	1984	16	23.5	153.67	1.5	0	0.0	0.00	0.0	16	4.5	153.67	1.4	
	1985	24	24.5	380.78	3.5	3	1.0	20.39	7.8	27	6.9	401.17	3.6	
	1986	51	26.4	949.11	5.2	23	13.1	238.56	44.3	74	20.1	1187.67	6.4	
	1987	60	36.4	837.63	8.4	3	3.3	42.90	40.8	63	24.6	880.53	8.7	
TOTAL	239	21.7	3603.64	2.8	41	2.0	413.54	18.4	280	8.8	4017.18	3.1		
GREEN SUNFISH X BLUEGILL	1985	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8	
TOTAL	1	1.0	88.40	0.8	0	0.0	0.00	0.0	1	0.3	88.40	0.8		
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0	
	1981	0	0.0	0.00	0.0	1	3.7	0.12	0.1	1	0.8	0.12	0.0	
	1982	0	0.0	0.00	0.0	1	5.9	0.15	1.9	1	1.4	0.15	0.0	
	1983	0	0.0	0.00	0.0	3	15.0	0.49	0.5	3	4.1	0.49	0.0	
	TOTAL	0	0.0	0.00	0.0	6	0.5	0.78	0.1	6	0.4	0.78	0.0	
SMALLMOUTH BASS	1977	16	12.9	2176.05	12.6	0	0.0	0.00	0.0	16	1.3	2176.05	12.0	
	1978	17	9.8	1434.24	13.4	0	0.0	0.00	0.0	17	7.8	1434.24	13.3	
	1979	6	7.5	1013.00	12.7	0	0.0	0.00	0.0	6	4.0	1013.00	12.5	
	1981	8	8.2	2524.00	15.0	1	3.7	0.21	0.2	9	7.2	2524.21	14.9	
	1982	6	11.5	1702.00	14.1	0	0.0	0.00	0.0	6	8.7	1702.00	14.1	
	1983	17	31.5	875.11	6.8	0	0.0	0.00	0.0	17	23.0	875.11	6.8	
	1984	9	13.2	1523.00	14.5	0	0.0	0.00	0.0	9	2.5	1523.00	14.4	
	1985	36	36.7	3369.67	30.9	10	3.4	31.05	11.9	46	11.8	3400.72	30.5	
	1986	13	6.7	1585.00	8.8	0	0.0	0.00	0.0	13	3.5	1585.00	8.5	
	1987	13	7.9	879.00	8.8	2	2.2	1.53	1.5	15	5.9	880.53	8.7	
TOTAL	141	12.8	17081.07	13.4	13	0.6	32.79	1.5	154	4.8	17113.86	13.2		
LARGEMOUTH BASS	1977	1	0.8	8.79	0.1	3	0.3	40.97	5.0	4	0.3	49.76	0.3	
	1978	4	2.3	161.78	1.5	1	2.2	2.74	3.6	5	2.3	164.52	1.5	
	1979	0	0.0	0.00	0.0	1	1.4	3.19	2.4	1	0.7	3.19	0.0	
	1981	3	3.1	345.00	2.1	2	7.4	55.35	41.3	5	4.0	400.35	2.4	
	1982	2	3.8	192.84	1.6	1	5.9	1.58	19.8	3	4.3	194.42	1.6	
	1984	2	2.9	20.00	0.2	0	0.0	0.00	0.0	2	0.6	20.00	0.2	
	1985	2	2.0	1230.00	11.3	4	1.4	9.17	3.5	6	1.5	1239.17	11.1	
	1986	4	2.1	421.00	2.3	0	0.0	0.00	0.0	4	1.1	421.00	2.3	
	1987	2	1.2	11.90	0.1	0	0.0	0.00	0.0	2	0.8	11.90	0.1	
	TOTAL	20	1.9	2391.31	2.1	12	0.6	113.00	5.3	32	1.0	2504.31	2.2	
WHITE CRAPPIE	1977	0	0.0	0.00	0.0	4	0.4	6.89	0.8	4	0.3	6.89	0.0	
	1979	1	1.3	54.00	0.7	11	15.5	7.54	5.8	12	7.9	61.54	0.8	
	1981	1	1.0	56.00	0.3	1	3.7	20.00	14.9	2	1.6	76.00	0.4	
	1982	0	0.0	0.00	0.0	1	5.9	0.46	5.8	1	1.4	0.46	0.0	
	1986	0	0.0	0.00	0.0	1	0.6	15.01	2.8	1	0.3	15.01	0.1	
	TOTAL	2	0.4	110.00	0.2	18	1.3	49.90	3.1	20	1.1	159.90	0.2	
	BLACK CRAPPIE	1977	1	0.4	4.00	0.0	40	3.8	275.93	34.0	41	3.4	279.93	1.5
		1979	1	1.3	18.00	0.2	9	12.7	9.47	7.2	10	6.6	27.47	0.3
		1981	0	0.0	0.00	0.0	2	7.4	20.25	15.1	2	1.6	20.25	0.1
		1986	0	0.0	0.00	0.0	1	0.6	17.54	3.3	1	0.3	17.54	0.1
TOTAL		2	0.3	22.00	0.0	52	3.9	323.19	20.0	54	2.9	345.19	0.6	
JOHNNY DARTER	1978	0	0.0	0.00	0.0	1	2.2	0.33	0.4	1	0.5	0.33	0.0	
	1979	0	0.0	0.00	0.0	1	1.4	0.16	0.1	1	0.7	0.16	0.0	
	1986	0	0.0	0.00	0.0	7	4.0	3.09	0.6	7	1.9	3.09	0.0	
	1987	1	0.6	0.56	0.0	0	0.0	0.00	0.0	1	0.4	0.56	0.0	
	TOTAL	1	0.2	0.56	0.0	9	2.4	3.58	0.4	10	1.0	4.14	0.0	
BANDED DARTER	1977	0	0.0	0.00	0.0	7	0.7	2.15	0.3	7	0.6	2.15	0.0	
TOTAL	0	0.0	0.00	0.0	7	0.7	2.15	0.3	7	0.6	2.15	0.0		
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	2	2.8	1.62	1.2	2	1.3	1.62	0.0	
	1985	0	0.0	0.00	0.0	1	0.3	0.86	0.3	1	0.3	0.86	0.0	
	1987	0	0.0	0.00	0.0	1	1.1	1.18	1.1					

APPENDIX D-7. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
LONGNOSE GAR	1977	1	0.7	45.00	0.3	0	0.0	0.00	0.0	1	0.2	45.00	0.3
	1978	1	0.9	29.00	0.7	1	2.1	5.92	22.9	2	1.3	34.92	0.9
	1979	1	1.4	22.00	0.7	0	0.0	0.00	0.0	1	0.5	22.00	0.7
	1985	0	0.0	0.00	0.0	1	0.7	50.00	16.9	1	0.4	50.00	0.8
	TOTAL	3	0.7	96.00	0.3	2	0.4	55.92	9.5	5	0.5	151.92	0.5
GIZZARD SHAD	1977	2	2.1	9.88	0.1	2	0.8	0.93	0.6	4	1.1	10.81	0.1
	1978	18	16.5	116.66	3.0	0	0.0	0.00	0.0	18	11.5	116.66	3.0
	1981	2	2.6	99.00	0.6	0	0.0	0.00	0.0	2	1.7	99.00	0.5
	1986	2	1.5	34.00	0.3	0	0.0	0.00	0.0	2	1.0	34.00	0.3
	1987	2	1.4	221.92	2.8	78	24.3	3.55	0.9	80	17.2	225.47	2.7
	TOTAL	26	4.7	481.46	0.9	80	11.3	4.48	0.4	106	8.5	485.94	0.8
GRASS PICKEREL	1977	1	0.7	6.00	0.0	0	0.0	0.00	0.0	1	0.2	6.00	0.0
	1978	3	2.8	10.00	0.3	0	0.0	0.00	0.0	3	1.9	10.00	0.3
	1979	2	2.8	24.00	0.8	0	0.0	0.00	0.0	2	1.0	24.00	0.7
	1981	3	3.8	44.00	0.2	1	2.7	2.54	1.6	4	3.5	46.54	0.3
	1982	0	0.0	0.00	0.0	1	4.5	2.00	5.2	1	1.5	2.00	0.0
	TOTAL	9	2.3	84.00	0.2	2	0.4	4.54	0.9	11	1.2	88.54	0.2
NORTHERN PIKE	1984	1	1.1	80.00	1.1	0	0.0	0.00	0.0	1	0.8	80.00	1.0
	1987	1	0.7	1700.00	21.7	0	0.0	0.00	0.0	1	0.2	1700.00	20.6
	TOTAL	2	0.9	1780.00	11.5	0	0.0	0.00	0.0	2	0.3	1780.00	11.2
CARP	1977	3	4.1	6565.00	41.8	0	0.0	0.00	0.0	3	0.9	6565.00	41.4
	1978	1	0.9	410.00	10.5	0	0.0	0.00	0.0	1	0.6	410.00	10.4
	1979	1	1.4	910.00	28.5	0	0.0	0.00	0.0	1	0.5	910.00	27.5
	1981	2	2.6	6.00	0.0	0	0.0	0.00	0.0	2	1.7	6.00	0.0
	1982	4	9.1	6620.00	43.6	0	0.0	0.00	0.0	4	6.1	6620.00	43.5
	1983	1	3.3	1455.00	18.1	0	0.0	0.00	0.0	1	1.2	1455.00	18.0
	1987	1	0.7	660.00	8.4	0	0.0	0.00	0.0	1	0.2	660.00	8.0
	TOTAL	13	7.4	14520.00	100.0	0	0.0	0.00	0.0	13	7.4	14520.00	100.0
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	2	0.8	0.75	0.5	2	0.6	0.75	0.0
	1978	0	0.0	0.00	0.0	2	4.3	0.55	2.1	2	1.3	0.55	0.0
	1979	0	0.0	0.00	0.0	2	1.6	0.65	0.6	2	1.0	0.65	0.0
	1987	0	0.0	0.00	0.0	2	0.6	0.47	0.1	2	0.4	0.47	0.0
	TOTAL	0	0.0	0.00	0.0	8	1.1	2.42	0.3	8	0.7	2.42	0.0
GOLDEN SHINER	1981	1	1.3	3.00	0.0	0	0.0	0.00	0.0	1	0.9	3.00	0.0
	TOTAL	1	1.3	3.00	0.0	0	0.0	0.00	0.0	1	0.9	3.00	0.0
EMERALD SHINER	1986	1	0.7	7.42	0.1	0	0.0	0.00	0.0	1	0.5	7.42	0.1
	1987	0	0.0	0.00	0.0	15	4.7	3.75	0.9	15	3.2	3.75	0.0
	TOTAL	1	0.4	7.42	0.0	15	4.0	3.75	0.5	16	2.4	11.17	0.1
STRIPE SHINER	1977	0	0.0	0.00	0.0	1	0.4	0.62	0.4	1	0.3	0.62	0.0
	1978	0	0.0	0.00	0.0	14	29.8	3.65	14.1	14	9.0	3.65	0.1
	1979	0	0.0	0.00	0.0	1	0.8	0.27	0.2	1	0.5	0.27	0.0
	1983	0	0.0	0.00	0.0	27	51.9	8.46	22.7	27	32.9	8.46	0.1
	1985	3	2.8	2.00	0.0	34	25.4	21.41	7.2	37	15.2	23.41	0.4
	1987	1	0.7	0.92	0.0	13	4.0	2.88	0.7	14	3.0	3.80	0.0
	TOTAL	4	0.7	2.92	0.0	90	9.7	37.29	3.6	94	6.4	40.21	0.1
RED SHINER	1979	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.6	1.48	1.3	2	1.0	1.48	0.0
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	24	9.7	10.51	6.9	24	7.5	10.51	0.1
	1978	3	2.8	1.98	0.1	0	0.0	0.00	0.0	3	1.9	1.98	0.1
	1979	0	0.0	0.00	0.0	2	1.6	0.63	0.5	2	1.0	0.63	0.0
	1981	0	0.0	0.00	0.0	1	2.7	1.70	1.0	1	0.9	1.70	0.0
	1982	0	0.0	0.00	0.0	5	22.7	3.54	9.2	5	7.6	3.54	0.0
	1983	2	6.7	0.91	0.0	0	0.0	0.00	0.0	2	2.4	0.91	0.0
	1985	2	1.8	1.24	0.0	32	23.9	12.76	4.3	34	14.0	14.00	0.2
	1987	3	2.1	9.32	0.1	14	4.4	3.82	0.9	17	3.7	13.14	0.2
	TOTAL	10	1.5	13.45	0.0	78	7.9	32.96	2.7	88	5.4	46.41	0.1
SPOTFIN SHINER	1977	11	15.2	50.99	0.3	144	58.1	85.98	56.4	155	48.4	136.97	0.9
	1978	3	2.8	7.94	0.2	3	6.4	4.57	17.7	6	3.8	12.51	0.3
	1979	5	6.9	18.88	0.6	83	66.9	78.76	68.2	88	44.9	97.64	2.9
	1981	3	3.8	9.05	0.1	18	48.6	25.34	15.4	21	18.3	34.39	0.2
	1982	0	0.0	0.00	0.0	1	4.5	1.64	4.3	1	1.5	1.64	0.0
	1983	0	0.0	0.00	0.0	22	42.3	27.77	74.4	22	26.8	27.77	0.3
	1984	17	18.5	36.17	0.5	24	92.3	28.50	49.9	41	34.7	64.67	0.8
	1985	0	0.0	0.00	0.0	29	21.6	32.79	11.1	29	11.9	32.79	0.5
	1986	5	3.6	4.17	0.0	21	38.9	14.74	3.6	26	13.6	18.91	0.2
	1987	41	28.7	56.29	0.7	49	15.3	39.94	9.9	90	19.4	96.23	1.2
	TOTAL	85	9.6	183.49	0.2	394	37.0	340.03	20.0	479	24.5	523.52	0.5
SAND SHINER	1977	1	0.7	0.15	0.0	14	5.6	6.29	4.1	15	4.5	6.44	0.0
	1978	0	0.0	0.00	0.0	8	17.0	2.12	8.2	8	5.1	2.12	0.1
	1979	0	0.0	0.00	0.0	5	4.0	2.35	2.0	5	2.6	2.35	0.1
	1981	0	0.0	0.00	0.0	1	2.7	1.28	0.8	1	0.9	1.28	0.0
	1984	0	0.0	0.00	0.0	1	3.8	0.13	0.2	1	0.8	0.13	0.0
	1986	0	0.0	0.00	0.0	5	9.3	2.18	0.5	5	2.6	2.18	0.0
	TOTAL	1	0.1	0.15	0.0	34	6.3	14.35	1.6	35	3.1	14.50	0.0
REDFIN SHINER	1977	0	0.0	0.00	0.0	2	0.8	0.38	0.2	2	0.6	0.38	0.0
	1978	0	0.0	0.00	0.0	1	2.1	1.15	4.4	1	0.6	1.15	0.0
	1981	0	0.0	0.00	0.0	8	21.6	4.00	2.4	8	7.0	4.00	0.0
	1982	0	0.0	0.00	0.0	3	13.6	2.94	7.7	3	4.5	2.94	0.0
	1987	1	0.7	1.39	0.0	2	0.6	1.75	0.4	3	0.6	3.14	0.0
	TOTAL	1	0.2	1.39	0.0	16	2.4	10.22	1.3	17	1.5	11.61	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.4	0.13	0.1	1	0.3	0.13	0.0
	1981	0	0.0	0.00	0.0	1	2.7	0.40	0.2	1	0.9	0.40	0.0
	1986	0	0.0	0.00	0.0	1	1.9	0.34	0.1	1	0.5	0.34	0.0
	1987	0	0.0	0.00	0.0	47	14.6	25.16	6.2	47	10.1	25.16	0.3
	TOTAL	0	0.0	0.00	0.0	50	7.6	26.03	2.3	50	4.6	26.03	0.0

APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES		ELECTROFISHING				SEINING				TOTAL				
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	1	2.1	0.28	1.1	1	0.6	0.28	0.0	
	1979	0	0.0	0.00	0.0	2	1.6	1.17	1.0	2	1.0	1.17	0.0	
	TOTAL	0	0.0	0.00	0.0	3	1.8	1.45	1.0	3	0.9	1.45	0.0	
BLUNTNOSTE MINNOW	1977	2	2.8	5.28	0.0	13	5.2	11.48	7.5	15	4.7	16.76	0.1	
	1978	1	0.9	4.00	0.1	12	25.5	4.72	18.3	13	8.3	8.72	0.2	
	1979	5	6.9	21.66	0.7	7	5.6	11.72	10.2	12	6.1	33.38	1.0	
	1983	0	0.0	0.00	0.0	1	1.9	0.54	1.4	1	1.2	0.54	0.0	
	1984	2	2.2	4.43	0.1	0	0.0	0.00	0.0	2	1.7	4.43	0.1	
	1985	8	7.3	19.32	0.3	13	9.7	11.17	3.8	21	8.6	30.49	0.5	
	1986	5	3.6	7.92	0.1	16	29.6	12.34	3.0	21	11.0	20.26	0.2	
	1987	22	15.4	27.85	0.4	28	8.7	26.32	6.5	50	10.8	54.17	0.7	
	TOTAL	45	5.9	90.46	0.1	90	8.9	78.29	5.2	135	7.6	168.75	0.3	
	BULLHEAD MINNOW	1977	12	15.9	33.01	0.2	7	2.8	1.85	1.2	19	5.8	34.86	0.2
1978		1	0.9	1.04	0.0	0	0.0	0.00	0.0	1	0.6	1.04	0.0	
1979		2	2.8	12.00	0.4	2	1.6	3.96	3.4	4	2.0	15.96	0.5	
1981		1	1.3	4.40	0.0	2	5.4	0.87	0.5	3	2.6	5.27	0.0	
1984		1	1.1	4.38	0.1	0	0.0	0.00	0.0	1	0.8	4.38	0.1	
1986		1	0.7	1.17	0.0	1	1.9	1.00	0.2	2	1.0	2.17	0.0	
1987		1	0.7	2.22	0.0	1	0.3	2.11	0.5	2	0.4	4.33	0.1	
TOTAL		19	2.6	58.22	0.1	13	1.5	9.79	0.7	32	2.0	68.01	0.1	
CREEK CHUB		1979	0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0
TOTAL		0	0.0	0.00	0.0	1	0.8	0.41	0.4	1	0.5	0.41	0.0	
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0	
	TOTAL	0	0.0	0.00	0.0	19	7.7	1.16	0.8	19	5.9	1.16	0.0	
QUILLBACK	1977	1	1.4	466.50	3.0	0	0.0	0.00	0.0	1	0.3	466.50	2.9	
	1981	1	1.3	350.00	2.0	0	0.0	0.00	0.0	1	0.9	350.00	1.9	
	1982	2	4.5	1035.00	6.8	0	0.0	0.00	0.0	2	3.0	1035.00	6.8	
	1983	7	23.3	4265.00	53.1	0	0.0	0.00	0.0	7	8.5	4265.00	52.8	
	1984	4	4.3	2860.00	37.6	0	0.0	0.00	0.0	4	3.4	2860.00	37.3	
	1985	1	0.9	770.00	12.7	0	0.0	0.00	0.0	1	0.4	770.00	12.1	
	1986	2	1.5	1535.00	13.9	0	0.0	0.00	0.0	2	1.0	1535.00	13.4	
	1987	2	1.4	1305.00	16.7	0	0.0	0.00	0.0	2	0.4	1305.00	15.8	
	TOTAL	20	2.8	12586.50	14.1	0	0.0	0.00	0.0	20	1.3	12586.50	13.8	
	WHITE SUCKER	1977	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7
TOTAL	1	0.7	275.00	1.8	0	0.0	0.00	0.0	1	0.2	275.00	1.7		
NORTHERN HOGSUCKER	1977	1	0.7	377.50	2.4	0	0.0	0.00	0.0	1	0.2	377.50	2.4	
	1979	1	1.4	36.00	1.1	0	0.0	0.00	0.0	1	0.5	36.00	1.1	
	1981	1	1.3	320.00	1.8	0	0.0	0.00	0.0	1	0.9	320.00	1.8	
	1982	1	2.3	515.00	3.4	0	0.0	0.00	0.0	1	1.5	515.00	3.4	
	1984	3	3.3	1995.00	26.2	0	0.0	0.00	0.0	3	2.5	1995.00	26.0	
	1986	1	0.7	236.00	2.1	0	0.0	0.00	0.0	1	0.5	236.00	2.1	
	1987	1	0.7	560.00	7.1	0	0.0	0.00	0.0	1	0.2	560.00	6.8	
	TOTAL	9	1.3	4039.50	5.1	0	0.0	0.00	0.0	9	0.6	4039.50	5.1	
	SMALLMOUTH BUFFALO	1987	0	0.0	0.00	0.0	1	0.3	3.24	0.8	1	0.2	3.24	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.3	3.24	0.8	1	0.2	3.24	0.0	
SILVER REDHORSE	1978	2	1.8	113.00	2.9	0	0.0	0.00	0.0	2	1.3	113.00	2.9	
	1982	1	2.3	215.00	1.4	0	0.0	0.00	0.0	1	1.5	215.00	1.4	
	1983	1	3.3	86.00	1.1	0	0.0	0.00	0.0	1	1.2	86.00	1.1	
	TOTAL	4	2.2	414.00	1.5	0	0.0	0.00	0.0	4	1.3	414.00	1.5	
RIVER REDHORSE	1977	1	1.4	63.00	0.4	0	0.0	0.00	0.0	1	0.3	63.00	0.4	
	1978	2	1.8	192.00	4.9	0	0.0	0.00	0.0	2	1.3	192.00	4.9	
	1981	6	7.7	2700.00	15.1	0	0.0	0.00	0.0	6	5.2	2700.00	14.9	
	1982	1	2.3	525.00	3.5	0	0.0	0.00	0.0	1	1.5	525.00	3.5	
	1985	1	0.9	2.38	0.0	0	0.0	0.00	0.0	1	0.4	2.38	0.0	
	1986	7	5.1	135.00	1.2	0	0.0	0.00	0.0	7	3.7	135.00	1.2	
	TOTAL	18	3.3	3617.38	5.2	0	0.0	0.00	0.0	18	1.6	3617.38	5.1	
	GOLDEN REDHORSE	1977	5	6.2	1394.00	8.9	0	0.0	0.00	0.0	5	4.4	1394.00	8.8
		1978	7	6.4	477.00	12.2	0	0.0	0.00	0.0	7	4.5	477.00	12.1
		1979	14	19.4	708.00	22.1	0	0.0	0.00	0.0	14	7.1	708.00	21.4
1981		6	7.7	1906.00	10.6	0	0.0	0.00	0.0	6	5.2	1906.00	10.5	
1982		8	18.2	3690.00	24.3	0	0.0	0.00	0.0	8	12.1	3690.00	24.3	
1983		1	3.3	430.00	5.3	0	0.0	0.00	0.0	1	1.2	430.00	5.3	
1984		5	5.4	617.00	8.1	0	0.0	0.00	0.0	5	4.2	617.00	8.1	
1985		9	8.3	1762.14	29.0	2	1.5	2.97	1.0	11	4.5	1765.11	27.7	
1986		22	16.1	4770.10	43.1	1	1.9	365.00	89.4	23	12.0	5135.10	44.7	
TOTAL		82	9.2	16955.24	17.6	3	0.3	367.97	21.7	85	4.3	17323.21	17.6	
SHORTHEAD REDHORSE	1977	4	4.8	1525.50	9.7	0	0.0	0.00	0.0	4	1.1	1525.50	9.6	
	1978	3	2.8	557.09	14.2	0	0.0	0.00	0.0	3	1.9	557.09	14.1	
	1979	2	2.8	82.00	2.6	0	0.0	0.00	0.0	2	1.0	82.00	2.5	
	1981	18	23.1	6930.00	38.6	0	0.0	0.00	0.0	18	15.7	6930.00	38.3	
	1983	1	3.3	75.00	0.9	0	0.0	0.00	0.0	1	1.2	75.00	0.9	
	1985	6	5.5	14.44	0.2	0	0.0	0.00	0.0	6	2.5	14.44	0.2	
	1986	3	2.2	523.00	4.7	0	0.0	0.00	0.0	3	1.6	523.00	4.6	
	TOTAL	37	6.0	9707.03	14.7	0	0.0	0.00	0.0	37	2.8	9707.03	14.5	
	UNIDENTIFIED REDHORSE	1977	3	4.1	9.70	0.1	2	0.8	2.77	1.8	5	1.6	12.47	0.1
	TOTAL	3	4.1	9.70	0.1	2	0.8	2.77	1.8	5	1.6	12.47	0.1	
CHANNEL CATFISH	1977	1	0.7	300.00	1.9	0	0.0	0.00	0.0	1	0.2	300.00	1.9	
	1981	1	1.3	1140.00	6.4	0	0.0	0.00	0.0	1	0.9	1140.00	6.3	
	TOTAL	2	1.0	1440.00	4.3	0	0.0	0.00	0.0	2	0.3	1440.00	4.2	
STONEC	1977	1	1.4	24.50	0.2	0	0.0	0.00	0.0	1	0.3	24.50	0.2	
	1979	2	2.8	33.00	1.0	0	0.0	0.00	0.0	2	1.0	33.00	1.0	
	1984	1	1.1	16.00	0.2	1	3.8	28.48	49.9	2	1.7	44.48	0.6	
	1987	1	0.7	25.00	0.3	0	0.0	0.00	0.0	1	0.2	25.00	0.3	
	TOTAL	5	1.3	98.50	0.3	1	0.1	28.48	3.9	6	0.5	126.98	0.4	
PIRATE PERCH	1987	1	0.7	2.25	0.0	0	0.0	0.00	0.0	1	0.2	2.25	0.0	
TOTAL	1	0.7	2.25	0.0	0	0.0	0.00	0.0	1	0.2	2.25	0.0		
BLACKSTRIPED TOPMINNOW	1978	0	0.0	0.00	0.0	2	4.3	0.53	2.1	2	1.3	0.53	0.0	
	1979	0	0.0	0.00	0.0	1	0.8	0.28	0.2	1	0.5	0.28	0.0	
	1983	0	0.0	0.00	0.0	2	3.8	0.58	1.6	2	2.4	0.58	0.0	
	1985	0	0.0	0.00	0.0	2	1.5	0.91	0.3	2	0.8	0.91	0.0	
	TOTAL	0	0.0	0.00	0.0	7	2.0	2.30	0.5	7	1.0	2.30	0.0	
BROOK SILVERSIDE	1977	0	0.0	0.00	0.0	4	1.6	2.22	1.5	4	1.2	2.22	0.0	
	1985	1	0.9	0.37	0.0	3	2.2	0.69	0.2	4	1.6	1.06	0.0	
	1986	4	2.9	9.82	0.1	3	5.6	4.77	1.2	7	3.7	14.59	0.1	
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APPENDIX D-7 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 4R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
ROCK BASS	1977	4	4.8	186.22	1.2	2	0.8	1.24	0.8	6	1.7	187.46	1.2
	1978	10	9.2	713.16	18.2	0	0.0	0.00	0.0	10	6.4	713.16	18.1
	1979	6	8.3	552.00	17.3	0	0.0	0.00	0.0	6	3.1	552.00	15.7
	1981	8	10.3	644.00	3.6	1	2.7	120.00	73.1	9	7.8	764.00	4.2
	1982	8	18.2	306.00	2.0	0	0.0	0.00	0.0	8	12.1	306.00	2.0
	1983	1	3.3	98.00	1.2	0	0.0	0.00	0.0	1	1.2	98.00	1.2
	1985	11	10.1	471.00	7.8	1	0.7	84.00	28.4	12	4.9	555.00	8.7
	1986	5	3.6	724.00	6.5	0	0.0	0.00	0.0	5	2.6	724.00	6.3
	1987	8	5.6	578.00	7.4	2	0.6	108.93	27.0	10	2.2	686.93	8.3
	TOTAL	61	7.6	4272.38	4.8	6	0.6	314.17	19.1	67	3.6	4586.55	5.1
GREEN SUNFISH	1978	10	9.2	126.24	3.2	0	0.0	0.00	0.0	10	6.4	126.24	3.2
	1979	4	5.6	45.00	1.4	1	0.8	0.16	0.1	5	2.6	45.16	1.4
	1981	6	7.7	57.00	0.3	0	0.0	0.00	0.0	6	5.2	57.00	0.3
	1982	4	9.1	128.00	0.8	0	0.0	0.00	0.0	4	6.1	128.00	0.8
	1983	6	20.0	211.00	2.6	0	0.0	0.00	0.0	6	7.3	211.00	2.6
	1984	22	23.9	647.15	8.5	0	0.0	0.00	0.0	22	18.6	647.15	8.4
	1985	21	19.3	733.37	12.1	0	0.0	0.00	0.0	21	8.6	733.37	11.5
	1986	35	25.5	971.97	8.8	0	0.0	0.00	0.0	35	18.3	971.97	8.5
	1987	5	3.5	79.70	1.0	0	0.0	0.00	0.0	5	1.1	79.70	1.0
	TOTAL	113	13.9	2999.43	3.7	1	0.1	0.16	0.0	114	7.0	2999.59	3.6
PUMPKINSEED	1986	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9
TOTAL	3	2.2	101.57	0.9	0	0.0	0.00	0.0	3	1.6	101.57	0.9	
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	1	0.4	0.07	0.0	1	0.0	0.07	0.0
	1981	2	2.6	31.00	0.2	1	2.7	7.04	4.3	3	2.6	38.04	2.7
	1982	0	0.0	0.00	0.0	3	13.6	20.37	53.1	3	4.5	20.37	0.1
	1985	7	6.4	86.00	1.4	0	0.0	0.00	0.0	7	2.9	86.00	1.4
	1986	2	1.5	23.00	0.2	0	0.0	0.00	0.0	2	1.0	23.00	0.2
TOTAL	11	1.9	140.00	0.2	6	0.7	29.00	2.0	17	1.2	169.00	0.2	
BLUEGILL	1977	0	0.0	0.00	0.0	3	1.2	1.33	0.9	3	0.9	1.33	0.0
	1978	2	1.8	22.00	0.6	0	0.0	0.00	0.0	2	1.3	22.00	0.6
	1982	1	2.3	11.00	0.1	0	0.0	0.00	0.0	1	1.5	11.00	0.1
	1983	5	16.7	230.00	2.9	0	0.0	0.00	0.0	5	6.1	230.00	2.8
	1984	3	3.3	38.14	0.5	0	0.0	0.00	0.0	3	2.5	38.14	0.5
	1986	5	3.6	49.00	0.4	0	0.0	0.00	0.0	5	2.6	49.00	0.4
	1987	2	1.4	6.13	0.1	14	4.4	5.35	1.3	16	3.4	11.48	0.1
TOTAL	18	2.9	356.27	0.5	17	2.2	6.68	0.6	35	2.5	362.95	0.5	
CENTRAL LONGEAR SUNFISH	1977	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1
TOTAL	1	1.4	8.25	0.1	0	0.0	0.00	0.0	1	0.3	8.25	0.1	
LONGEAR SUNFISH	1977	3	4.1	51.00	0.3	0	0.0	0.00	0.0	3	0.9	51.00	0.3
	1978	23	21.1	340.96	8.7	0	0.0	0.00	0.0	23	14.7	340.96	8.6
	1979	16	22.2	219.72	6.9	0	0.0	0.00	0.0	16	8.2	219.72	6.6
	1981	2	2.6	45.00	0.3	0	0.0	0.00	0.0	2	1.7	45.00	0.2
	1982	7	15.9	78.21	0.5	0	0.0	0.00	0.0	7	10.6	78.21	0.5
	1984	18	19.6	187.25	2.5	0	0.0	0.00	0.0	18	15.3	187.25	2.4
	1985	22	20.2	229.82	3.8	3	2.2	46.47	15.7	25	10.3	276.29	4.3
	1986	17	12.4	427.06	3.9	1	1.9	1.87	0.5	18	9.4	428.93	3.7
	1987	31	21.7	457.27	5.8	9	2.8	139.70	34.6	40	8.6	596.97	7.2
	TOTAL	139	16.2	2036.29	2.3	13	1.3	188.04	11.3	152	8.1	2224.33	2.5
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0
TOTAL	0	0.0	0.00	0.0	1	2.7	0.23	0.1	1	0.9	0.23	0.0	
SMALLMOUTH BASS	1977	17	23.4	3966.92	25.2	2	0.8	23.69	15.5	19	5.9	3990.61	25.2
	1978	16	14.7	722.99	18.4	0	0.0	0.00	0.0	16	10.3	722.99	18.3
	1979	10	13.9	458.16	14.3	1	0.8	3.47	3.0	11	5.6	461.63	13.9
	1981	13	16.7	3489.00	19.5	0	0.0	0.00	0.0	13	11.3	3489.00	19.3
	1982	4	9.1	1661.00	10.9	0	0.0	0.00	0.0	4	6.1	1661.00	10.9
	1983	5	16.7	1187.06	14.8	0	0.0	0.00	0.0	5	6.1	1187.06	14.7
	1984	11	12.0	548.00	7.2	0	0.0	0.00	0.0	11	9.3	548.00	7.2
	1985	16	14.7	1519.00	25.0	2	1.5	13.66	4.6	18	7.4	1532.66	24.1
	1986	13	9.5	1292.00	11.7	0	0.0	0.00	0.0	13	6.8	1292.00	11.3
	1987	11	7.7	776.00	9.9	0	0.0	0.00	0.0	11	2.4	776.00	9.4
TOTAL	116	13.1	15620.13	16.2	5	0.5	40.82	2.4	121	6.2	15660.95	15.9	
LARGEMOUTH BASS	1977	1	0.7	201.00	1.3	0	0.0	0.00	0.0	1	0.2	201.00	1.3
	1978	2	1.8	5.43	0.1	0	0.0	0.00	0.0	2	1.3	5.43	0.1
	1979	0	0.0	0.00	0.0	1	0.8	3.29	2.8	1	0.5	3.29	0.1
	1982	0	0.0	0.00	0.0	3	13.6	4.01	10.4	3	4.5	4.01	0.0
	1984	2	2.2	34.00	0.4	0	0.0	0.00	0.0	2	1.7	34.00	0.4
	1985	1	0.9	455.00	7.5	5	3.7	12.56	4.2	6	2.5	467.56	7.3
	1986	4	2.9	223.00	2.0	0	0.0	0.00	0.0	4	2.1	223.00	1.9
	1987	3	2.1	164.00	2.1	2	0.6	16.62	4.1	5	1.1	180.62	2.2
	TOTAL	13	1.6	1082.43	1.5	11	1.1	36.48	2.4	24	1.3	1118.91	1.6
	WHITE CRAPPIE	1977	1	0.7	65.00	0.4	3	1.2	0.62	0.4	4	1.1	65.62
1979		1	1.4	54.00	1.7	8	6.5	4.27	3.7	9	4.6	58.27	1.8
1981		2	2.6	160.00	0.9	2	5.4	0.70	0.4	4	3.5	160.70	0.9
1982		2	4.5	370.00	2.4	2	9.1	1.19	3.1	4	6.1	371.19	2.4
1984		1	1.1	113.00	1.5	0	0.0	0.00	0.0	1	0.8	113.00	1.5
TOTAL	7	1.8	762.00	1.3	15	3.3	6.78	1.3	22	2.6	768.78	1.3	
BLACK CRAPPIE	1977	1	0.7	64.00	0.4	0	0.0	0.00	0.0	1	0.2	64.00	0.4
	1978	1	0.9	69.00	1.8	2	4.3	1.83	7.1	3	1.9	70.83	1.8
	1979	0	0.0	0.00	0.0	3	2.4	1.94	1.7	3	1.5	1.94	0.1
	1982	1	2.3	18.00	0.1	4	18.2	2.69	7.0	5	7.6	20.69	0.1
TOTAL	3	0.8	151.00	0.4	9	2.0	6.46	1.9	12	1.6	157.46	0.4	
JOHNNY DARTER	1977	0	0.0	0.00	0.0	1	0.4	0.33	0.2	1	0.3	0.33	0.0
	1978	0	0.0	0.00	0.0	1	2.1	0.53	2.1	1	0.6	0.53	0.0
	1979	0	0.0	0.00	0.0	1	0.8	0.11	0.1	1	0.5	0.11	0.0
	1985	0	0.0	0.00	0.0	1	0.7	0.23	0.1	1	0.4	0.23	0.0
	1986	0	0.0	0.00	0.0	3	5.6	0.73	0.2	3	1.6	0.73	0.0
	1987	0	0.0	0.00	0.0	1	0.3	0.29	0.1	1	0.2	0.29	0.0
	TOTAL	0	0.0	0.00	0.0	8	0.9	2.22	0.2	8	0.5	2.22	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.4	0.19	0.1	1	0.3	0.19	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.4	0.19	0.1	1	0.3	0.19	0.0
BLACKSIDE DARTER	1979	0	0.0	0.00	0.0	1	0.8	0.52	0.5	1	0.5	0.52	0.0
	1985	0	0.0	0.00	0.0	3	2.2	2.71	0.9	3	1.2	2.71	0.0
	1986	0	0.0	0.00	0.0	1	1.9	3.69	0.9	1	0.5	3.69	0.0
	1987	0	0.0	0.00	0.0	1	0.3	0.70	0.2	1	0.2	0.70	0.0

APPENDIX D-8. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)				
LONGNOSE GAR	1977	2	0.6	145.00	0.6	0	0.0	0.00	0.0	2	0.2	145.00	0.6
	1978	1	0.2	13.00	0.1	0	0.0	0.00	0.0	1	0.2	13.00	0.1
	1979	1	0.5	35.00	0.2	0	0.0	0.00	0.0	1	0.3	35.00	0.2
	1981	1	0.5	4.00	0.0	0	0.0	0.00	0.0	1	0.3	4.00	0.0
	1983	2	1.8	164.00	0.7	0	0.0	0.00	0.0	2	0.8	164.00	0.7
	1985	1	0.5	25.00	0.2	4	0.2	68.00	3.6	5	0.2	93.00	0.5
	1986	0	0.0	0.00	0.0	1	0.9	1.09	0.2	1	0.2	1.09	0.0
	TOTAL	8	0.4	386.00	0.3	5	0.1	69.09	1.5	13	0.2	455.09	0.3
BOWFIN	1978	1	0.2	50.00	0.3	0	0.0	0.00	0.0	1	0.2	50.00	0.3
	1981	3	1.4	320.00	1.1	0	0.0	0.00	0.0	3	1.0	320.00	1.0
	1982	2	2.2	1510.00	6.6	0	0.0	0.00	0.0	2	1.3	1510.00	6.5
	1987	2	0.6	1465.00	6.6	0	0.0	0.00	0.0	2	0.3	1465.00	6.5
	TOTAL	8	0.7	3345.00	3.6	0	0.0	0.00	0.0	8	0.4	3345.00	3.5
GIZZARD SHAD	1977	114	35.5	1697.14	7.0	41	4.6	79.74	13.3	155	12.9	1776.88	7.1
	1978	200	42.2	2274.95	12.8	3	4.5	39.71	12.0	203	37.5	2314.66	12.7
	1979	10	5.3	1384.00	8.5	0	0.0	0.00	0.0	10	3.4	1384.00	8.3
	1981	14	6.4	607.00	2.0	1	1.1	2.42	0.3	15	4.9	609.42	2.0
	1982	26	29.2	1841.25	8.0	1	1.5	4.97	4.7	27	17.3	1846.22	8.0
	1983	25	21.9	4837.23	20.7	0	0.0	0.00	0.0	25	10.1	4837.23	20.7
	1984	34	23.0	4065.77	22.1	0	0.0	0.00	0.0	34	6.7	4065.77	21.9
	1985	37	19.8	4873.11	29.4	0	0.0	0.00	0.0	37	1.6	4873.11	26.4
	1986	74	19.7	7855.13	39.9	4	3.8	8.50	1.8	78	16.2	7863.63	39.0
	1987	75	22.8	8008.74	36.2	0	0.0	0.00	0.0	75	9.4	8008.74	35.7
	TOTAL	609	24.9	37444.32	17.7	50	1.1	135.34	2.7	659	9.5	37579.66	17.3
GRASS PICKEREL	1977	3	0.9	49.00	0.2	0	0.0	0.00	0.0	3	2.0	49.00	0.2
	1978	9	1.9	163.35	0.9	2	3.0	13.59	4.1	11	2.0	176.94	1.0
	1979	2	1.1	23.00	0.1	0	0.0	0.00	0.0	2	0.7	23.00	0.1
	1981	6	2.7	71.00	0.2	1	1.1	8.32	1.0	7	2.3	79.32	0.3
	1983	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.4	8.00	0.0
	1984	1	0.7	11.00	0.1	1	0.3	16.98	9.3	2	0.4	27.98	0.2
	1986	5	1.3	28.68	0.1	6	5.7	48.27	9.9	11	2.3	76.95	0.4
	1987	0	0.0	0.00	0.0	1	0.2	11.48	3.8	1	0.1	11.48	0.1
	TOTAL	27	1.2	354.03	0.2	11	0.5	98.64	3.2	38	0.9	452.67	0.3
NORTHERN PIKE	1978	2	0.4	46.00	0.3	0	0.0	0.00	0.0	2	0.4	46.00	0.3
	1979	0	0.0	0.00	0.0	1	1.0	30.00	10.9	1	0.3	30.00	0.2
	1981	2	0.9	130.00	0.4	2	2.3	105.00	13.0	4	1.3	235.00	0.8
	1982	1	1.1	530.00	2.3	0	0.0	0.00	0.0	1	0.6	530.00	2.3
	1983	2	1.8	444.00	1.9	0	0.0	0.00	0.0	2	0.8	444.00	1.9
	1984	1	0.7	36.00	0.2	0	0.0	0.00	0.0	1	0.2	36.00	0.2
	1986	1	0.3	41.00	0.2	0	0.0	0.00	0.0	1	0.2	41.00	0.2
	TOTAL	9	0.6	1227.00	0.8	3	0.3	135.00	6.0	12	0.5	1362.00	0.9
CENTRAL STONEROLLER	1982	0	0.0	0.00	0.0	1	1.5	0.96	0.9	1	0.6	0.96	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.51	0.7	1	0.4	0.51	0.0
	TOTAL	0	0.0	0.00	0.0	2	1.0	1.47	0.8	2	0.5	1.47	0.0
GOLDFISH	1981	1	0.5	165.00	0.5	0	0.0	0.00	0.0	1	0.3	165.00	0.5
	TOTAL	1	0.5	165.00	0.5	0	0.0	0.00	0.0	1	0.3	165.00	0.5
CARP	1977	18	5.6	11005.00	45.3	0	0.0	0.00	0.0	18	1.5	11005.00	44.2
	1978	16	3.4	4091.00	22.9	1	1.5	73.80	22.2	17	3.1	4164.80	22.9
	1979	6	3.2	4180.00	25.6	0	0.0	0.00	0.0	6	2.1	4180.00	25.2
	1981	17	7.7	11543.09	38.0	2	2.3	366.24	45.2	19	6.2	11909.33	38.2
	1982	7	7.9	6420.00	27.9	0	0.0	0.00	0.0	7	4.5	6420.00	27.7
	1983	8	7.0	2380.46	10.2	0	0.0	0.00	0.0	8	3.2	2380.46	10.2
	1984	8	5.4	2187.00	11.9	0	0.0	0.00	0.0	8	1.6	2187.00	11.8
	1985	2	1.1	3237.00	19.5	0	0.0	0.00	0.0	2	0.1	3237.00	17.5
	1986	2	0.5	44.00	0.2	1	0.9	0.71	0.1	3	0.6	44.71	0.2
	1987	7	2.1	3112.00	14.1	0	0.0	0.00	0.0	7	0.9	3112.00	13.9
	TOTAL	91	3.7	48199.55	22.7	4	0.1	440.75	8.7	95	1.4	48640.30	22.4
SILVERJAW MINNOW	1987	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.08	0.0	1	0.1	0.08	0.0
HORNHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.1	0.22	0.0	1	0.1	0.22	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.22	0.3	1	0.4	0.22	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.04	0.0	1	0.2	0.04	0.0
	1985	0	0.0	0.00	0.0	2	0.1	1.01	0.1	2	0.1	1.01	0.0
	1987	0	0.0	0.00	0.0	1	0.2	0.10	0.0	1	0.1	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	6	0.1	1.59	0.1	6	0.1	1.59	0.0
PALLIO CHUB	1979	0	0.0	0.00	0.0	4	4.0	1.99	0.7	4	1.4	1.99	0.0
	1981	0	0.0	0.00	0.0	2	2.3	0.56	0.1	2	0.7	0.56	0.0
	1982	0	0.0	0.00	0.0	2	3.0	0.62	0.6	2	1.3	0.62	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.46	0.7	1	0.4	0.46	0.0
	1984	0	0.0	0.00	0.0	48	13.4	8.97	4.9	48	9.5	8.97	0.0
	1985	1	0.5	0.63	0.0	3	0.1	1.30	0.1	4	0.2	1.93	0.0
	1986	0	0.0	0.00	0.0	2	1.9	0.54	0.1	2	0.4	0.54	0.0
	TOTAL	1	0.1	0.63	0.0	62	2.0	14.44	0.4	63	1.4	15.07	0.0
GOLDEN SHINER	1977	2	0.6	45.00	0.2	0	0.0	0.00	0.0	2	0.2	45.00	0.2
	1978	5	1.1	47.73	0.3	1	1.5	1.46	0.4	6	1.1	49.19	0.3
	1979	5	2.6	61.02	0.4	6	5.9	4.98	1.8	11	3.0	66.00	0.4
	1981	1	0.5	50.00	0.2	1	1.1	0.27	0.0	2	0.7	50.27	0.2
	1982	1	1.1	7.28	0.0	4	6.0	4.09	3.9	5	3.2	11.37	0.0
	1983	1	0.9	7.48	0.0	0	0.0	0.00	0.0	1	0.4	7.48	0.0
	1984	3	2.0	28.00	0.2	0	0.0	0.00	0.0	3	0.6	28.00	0.2
	1985	2	1.1	39.50	0.2	1	0.0	5.65	0.3	3	0.1	45.15	0.2
	1986	1	0.3	2.48	0.0	0	0.0	0.00	0.0	1	0.2	2.48	0.0
	1987	4	1.2	32.84	0.1	0	0.0	0.00	0.0	4	0.5	32.84	0.1
	TOTAL	25	1.0	321.33	0.2	13	0.3	16.45	0.3	38	0.6	337.78	0.2
EMERALD SHINER	1977	1	0.3	4.37	0.0	0	0.0	0.00	0.0	1	0.1	4.37	0.0
	1985	0	0.0	0.00	0.0	6	0.3	0.44	0.0	6	0.3	0.44	0.0
	TOTAL	1	0.2	4.37	0.0	6	0.2	0.44	0.0	7	0.2	4.81	0.0
GHOST SHINER	1981	0	0.0	0.00	0.0	1	1.1	0.46	0.1	1	0.3	0.46	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.1	0.46	0.1	1	0.3	0.46	0.0
STRIPED SHINER	1978	0	0.0	0.00	0.0	7	10.4	1.85	0.6	7	1.3	1.85	0.0
	1979	0	0.0	0.00	0.0	10	9.9	1.69	0.6	10	3.4	1.69	0.0
	1982	0	0.0	0.00	0.0	1	1.5	0.42	0.4	1	0.6	0.	

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
RED SHINER	1981	2	0.9	6.50	0.0	0	0.0	0.00	0.0	2	0.7	6.50	0.0	
	1985	0	0.0	0.00	0.0	1	0.0	2.03	0.1	1	0.0	2.03	0.0	
	TOTAL	2	0.5	6.50	0.0	1	0.0	2.03	0.1	3	0.7	8.53	0.0	
ROSYFACE SHINER	1977	0	0.0	0.00	0.0	11	1.2	3.63	0.6	11	0.9	3.63	0.0	
	1979	0	0.0	0.00	0.0	12	11.9	3.34	1.2	12	4.1	3.34	0.0	
	1982	1	1.1	0.69	0.0	0	0.0	0.00	0.0	1	0.6	0.69	0.0	
	1983	7	6.1	3.70	0.0	0	0.0	0.00	0.0	7	2.8	3.70	0.0	
	1984	0	0.0	0.00	0.0	15	4.2	1.36	0.7	15	3.0	1.36	0.0	
	1985	4	2.1	1.34	0.0	10	0.5	0.92	0.0	14	0.6	2.26	0.0	
	1987	3	0.9	6.07	0.0	0	0.0	0.00	0.0	3	0.4	6.07	0.0	
	TOTAL	15	1.1	11.80	0.0	48	1.1	9.25	0.3	63	1.1	21.05	0.0	
SPOTFIN SHINER	1977	6	1.9	15.65	0.1	59	6.7	27.99	4.7	65	5.4	43.64	0.2	
	1978	2	0.4	6.93	0.0	0	0.0	0.00	0.0	2	0.4	6.93	0.0	
	1979	1	0.5	1.74	0.0	16	15.8	16.19	5.9	17	5.9	17.93	0.1	
	1981	1	0.5	3.02	0.0	7	8.0	5.53	0.7	8	2.6	8.55	0.0	
	1982	0	0.0	0.00	0.0	1	1.5	0.08	0.1	1	0.6	0.08	0.0	
	1983	5	4.4	15.84	0.1	1	0.7	1.79	2.6	6	2.4	17.63	0.1	
	1984	1	0.7	1.16	0.0	8	2.2	4.43	2.4	9	1.8	5.59	0.0	
	1985	11	5.9	44.07	0.3	98	4.5	16.96	0.9	109	4.6	61.03	0.3	
	1986	2	0.5	6.40	0.0	4	3.8	0.09	0.0	6	1.2	6.49	0.0	
	1987	17	5.2	31.67	0.1	90	19.2	12.78	4.2	107	13.4	44.45	0.2	
	TOTAL	46	1.9	126.48	0.1	284	6.4	85.84	1.7	330	4.8	212.32	0.1	
	SAND SHINER	1977	0	0.0	0.00	0.0	53	6.0	9.58	1.6	53	4.4	9.58	0.0
		1978	0	0.0	0.00	0.0	1	1.9	0.12	0.0	1	0.2	0.12	0.0
		1979	0	0.0	0.00	0.0	1	1.0	0.77	0.3	1	0.3	0.77	0.0
1983		0	0.0	0.00	0.0	5	3.7	2.25	3.3	5	2.0	2.25	0.0	
1984		0	0.0	0.00	0.0	1	0.3	0.11	0.1	1	0.2	0.11	0.0	
1985		0	0.0	0.00	0.0	295	13.5	46.62	2.5	295	12.4	46.62	0.3	
1986		0	0.0	0.00	0.0	8	7.5	0.37	0.1	8	1.7	0.37	0.0	
1987		5	1.5	4.85	0.0	48	10.2	14.62	4.8	53	6.6	19.47	0.1	
TOTAL		5	0.2	4.85	0.0	412	9.6	74.44	1.8	417	6.5	79.29	0.0	
REDFIN SHINER		1977	0	0.0	0.00	0.0	4	0.5	0.47	0.1	4	0.3	0.47	0.0
	1982	1	1.1	1.93	0.0	0	0.0	0.00	0.0	1	0.6	1.93	0.0	
	1985	0	0.0	0.00	0.0	1	0.0	0.14	0.0	1	0.0	0.14	0.0	
TOTAL	1	0.2	1.93	0.0	5	0.2	0.61	0.0	6	0.2	2.54	0.0		
MIMIC SHINER	1977	0	0.0	0.00	0.0	1	0.1	0.19	0.0	1	0.1	0.19	0.0	
	1981	0	0.0	0.00	0.0	1	1.1	0.17	0.0	1	0.3	0.17	0.0	
TOTAL	0	0.0	0.00	0.0	2	0.2	0.36	0.0	2	0.1	0.36	0.0		
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	2	3.0	0.46	0.1	2	0.4	0.46	0.0	
	1981	0	0.0	0.00	0.0	1	1.1	0.23	0.0	1	0.3	0.23	0.0	
	1983	0	0.0	0.00	0.0	3	2.2	1.39	2.0	3	1.2	1.39	0.0	
	1984	0	0.0	0.00	0.0	7	2.0	1.82	1.0	7	1.4	1.82	0.0	
	1985	0	0.0	0.00	0.0	13	0.6	9.29	0.5	13	0.5	9.29	0.1	
	1987	1	0.3	1.11	0.0	3	0.6	2.59	0.9	4	0.5	3.70	0.0	
	TOTAL	1	0.1	1.11	0.0	29	0.9	15.78	0.4	30	0.6	16.89	0.0	
BLUNTNOSE MINNOW	1977	6	1.9	11.30	0.0	130	14.7	79.37	13.3	136	11.3	90.67	0.4	
	1978	28	5.9	73.62	0.4	11	16.4	10.65	3.2	39	7.2	84.27	0.5	
	1979	5	2.6	16.39	0.1	18	17.8	14.28	5.2	23	7.9	30.67	0.2	
	1981	1	0.5	3.00	0.0	15	17.2	8.87	1.1	16	5.2	11.87	0.0	
	1982	0	0.0	0.00	0.0	12	17.9	9.07	8.6	12	7.7	9.07	0.0	
	1983	3	2.6	2.80	0.0	64	47.8	21.11	31.0	67	27.0	23.91	0.1	
	1984	4	2.7	8.56	0.0	58	16.2	36.53	20.1	62	12.3	45.09	0.2	
	1985	9	4.8	34.49	0.2	1291	59.1	948.89	50.2	1300	54.8	983.38	5.3	
	1986	11	2.9	18.58	0.1	25	23.6	22.71	4.7	36	7.5	41.29	0.2	
	1987	24	7.3	57.70	0.3	85	18.1	37.78	12.4	109	13.7	95.48	0.4	
	TOTAL	91	3.7	226.44	0.1	1709	38.3	1189.26	23.6	1800	26.1	1415.70	0.7	
FATHEAD MINNOW	1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	1	0.0	0.30	0.0	
	1986	0	0.0	0.00	0.0	1	0.9	0.57	0.1	1	0.2	0.57	0.0	
TOTAL	0	0.0	0.00	0.0	2	0.1	0.87	0.0	2	0.1	0.87	0.0		
BULLHEAD MINNOW	1977	17	5.3	39.50	0.2	222	25.1	97.72	16.3	239	19.9	137.22	0.6	
	1978	1	0.2	1.07	0.0	0	0.0	0.00	0.0	1	0.2	1.07	0.0	
	1979	3	1.6	9.22	0.1	3	3.0	1.45	0.5	6	2.1	10.67	0.1	
	1981	0	0.0	0.00	0.0	6	6.9	2.82	0.3	6	2.0	2.82	0.0	
	1983	2	1.8	6.76	0.0	9	6.7	1.01	1.5	11	4.4	7.77	0.0	
	1984	0	0.0	0.00	0.0	193	53.9	20.75	11.4	193	38.1	20.75	0.1	
	1985	8	4.3	30.45	0.2	131	6.0	136.22	7.2	139	5.9	166.67	0.9	
	1986	1	0.3	0.69	0.0	0	0.0	0.00	0.0	1	0.2	0.69	0.0	
	1987	21	6.4	27.89	0.1	191	40.7	36.70	12.1	212	26.6	64.59	0.3	
	TOTAL	53	2.2	115.58	0.1	755	17.2	296.67	6.0	808	12.0	412.25	0.2	
	CREEK CHUB	1983	0	0.0	0.00	0.0	2	1.5	0.73	1.1	2	0.8	0.73	0.0
1985		0	0.0	0.00	0.0	2	0.1	0.51	0.0	2	0.1	0.51	0.0	
1987		0	0.0	0.00	0.0	4	0.2	1.24	0.1	4	0.2	1.24	0.0	
TOTAL		0	0.0	0.00	0.0	8	0.2	2.48	0.1	8	0.2	2.48	0.0	
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	282	31.9	18.43	3.1	282	23.4	18.43	0.1	
	1983	0	0.0	0.00	0.0	3	2.2	0.15	0.2	3	1.2	0.15	0.0	
	1984	0	0.0	0.00	0.0	2	0.6	0.12	0.1	2	0.4	0.12	0.0	
	TOTAL	0	0.0	0.00	0.0	287	20.9	18.70	2.2	287	14.7	18.70	0.0	
QUILLBACK	1977	6	1.9	936.15	3.9	1	0.1	7.14	1.2	7	0.6	943.29	3.8	
	1978	16	3.4	5345.27	30.0	0	0.0	0.00	0.0	16	3.0	5345.27	29.4	
	1979	6	3.2	2101.41	12.9	0	0.0	0.00	0.0	6	2.1	2101.41	12.7	
	1981	8	3.6	2910.00	9.6	0	0.0	0.00	0.0	8	2.6	2910.00	9.3	
	1982	15	16.9	7270.00	31.6	0	0.0	0.00	0.0	15	9.6	7270.00	31.4	
	1983	18	15.8	10461.08	44.8	0	0.0	0.00	0.0	18	7.3	10461.08	44.7	
	1984	12	8.1	6960.00	37.9	0	0.0	0.00	0.0	12	2.4	6960.00	37.5	
	1985	4	2.1	2750.00	16.6	0	0.0	0.00	0.0	4	0.2	2750.00	14.9	
	1986	4	1.1	929.91	4.7	3	2.8	9.99	2.1	7	1.5	939.90	4.7	
	1987	3	0.9	1553.70	7.0	0	0.0	0.00	0.0	3	0.4	1553.70	6.9	
	TOTAL	92	3.8	41217.52	19.4	4	0.1	17.13	0.3	96	1.4	41234.65	19.0	
	WHITE SUCKER	1978	1	0.2	7.00	0.0	0	0.0	0.00	0.0	1	0.2	7.00	0.0
		1979	1	0.5	252.00	1.5	0	0.0	0.00	0.0	1	0.3	252.00	1.5
		1982	1	1.1	14.59	0.1	0	0.0	0.00	0.0	1	0.6	14.59	0.1
1983		1	0.9	65.00	0.3	0	0.0	0.00	0.0	1	0.4	65.00	0.3	
1985		0	0.0	0.00	0.0	1	0.0	3.50	0.2	1	0.0	3.50	0.0	
1986		1	0.3	430.00	2.2	0	0.0	0.00	0.0	1	0.2	430.00	2.1	
TOTAL		5	0.3	768.59	0.7	1	0.0	3.50	0.1					

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
NORTHERN HOGSUCKER	1977	1	0.3	267.00	1.1	0	0.0	0.00	0.0	1	0.1	267.00	1.1
	1981	2	0.9	735.00	2.4	0	0.0	0.00	0.0	2	0.7	735.00	2.4
	1982	2	2.2	920.00	4.0	0	0.0	0.00	0.0	2	1.3	920.00	4.0
	1983	2	1.8	1080.00	4.6	0	0.0	0.00	0.0	2	0.8	1080.00	4.6
	1984	1	0.7	240.00	1.3	0	0.0	0.00	0.0	1	0.2	240.00	1.3
	1986	1	0.3	34.00	0.2	0	0.0	0.00	0.0	1	0.2	34.00	0.2
	TOTAL	9	0.7	3276.00	2.4	0	0.0	0.00	0.0	9	0.3	3276.00	2.3
BIGMOUTH BUFFALO	1978	2	0.4	426.00	2.4	0	0.0	0.00	0.0	2	0.4	426.00	2.3
	1979	1	0.5	465.00	2.8	0	0.0	0.00	0.0	1	0.3	465.00	2.8
	1981	1	0.5	400.00	1.3	0	0.0	0.00	0.0	1	0.3	400.00	1.3
	1983	3	2.6	1486.00	6.4	0	0.0	0.00	0.0	3	1.2	1486.00	6.3
	TOTAL	7	0.7	2777.00	3.2	0	0.0	0.00	0.0	7	0.5	2777.00	3.1
SPOTTED SUCKER	1978	1	0.2	42.00	0.2	0	0.0	0.00	0.0	1	0.2	42.00	0.2
	1981	1	0.5	510.00	1.7	0	0.0	0.00	0.0	1	0.3	510.00	1.6
	1986	2	0.5	39.44	0.2	0	0.0	0.00	0.0	2	0.4	39.44	0.2
	TOTAL	4	0.4	591.44	0.9	0	0.0	0.00	0.0	4	0.3	591.44	0.9
SILVER REDHORSE	1978	2	0.4	106.00	0.6	0	0.0	0.00	0.0	2	0.4	106.00	0.6
	1979	2	1.1	256.00	1.6	0	0.0	0.00	0.0	2	0.7	256.00	1.5
	1981	1	0.5	9.00	0.0	0	0.0	0.00	0.0	1	0.3	9.00	0.0
	1982	2	2.2	1415.00	6.1	0	0.0	0.00	0.0	2	1.3	1415.00	6.1
	1983	1	0.9	24.00	0.1	0	0.0	0.00	0.0	1	0.4	24.00	0.1
	1984	1	0.7	600.00	3.3	0	0.0	0.00	0.0	1	0.2	600.00	3.2
	1985	9	4.8	524.45	3.2	11	0.5	37.59	2.0	20	0.8	562.04	3.0
	1986	3	0.8	198.00	1.0	0	0.0	0.00	0.0	3	0.6	198.00	1.0
	TOTAL	21	1.2	3132.45	1.9	11	0.4	37.59	0.9	32	0.7	3170.04	1.9
RIVER REDHORSE	1977	7	2.2	430.00	1.8	0	0.0	0.00	0.0	7	0.6	430.00	1.7
	1979	5	2.6	455.00	2.8	0	0.0	0.00	0.0	5	1.7	455.00	2.7
	1981	2	0.9	840.00	2.8	0	0.0	0.00	0.0	2	0.7	840.00	2.7
	1986	8	2.1	210.00	1.1	0	0.0	0.00	0.0	8	1.7	210.00	1.0
	TOTAL	22	2.0	1935.00	2.1	0	0.0	0.00	0.0	22	1.0	1935.00	2.1
GOLDEN REDHORSE	1977	6	1.9	1096.00	4.5	0	0.0	0.00	0.0	6	0.5	1096.00	4.4
	1978	6	1.3	743.00	4.2	0	0.0	0.00	0.0	6	1.1	743.00	4.1
	1979	12	6.3	1072.00	6.6	0	0.0	0.00	0.0	12	4.1	1072.00	6.5
	1981	7	3.2	2072.00	6.8	0	0.0	0.00	0.0	7	2.3	2072.00	6.6
	1982	9	10.1	1520.00	6.6	0	0.0	0.00	0.0	9	5.8	1520.00	6.6
	1983	1	0.9	130.00	0.6	0	0.0	0.00	0.0	1	0.4	130.00	0.6
	1984	11	7.4	241.33	1.3	0	0.0	0.00	0.0	11	2.2	241.33	1.3
	1985	9	4.8	576.36	3.5	86	3.9	108.12	5.7	95	4.0	684.48	3.7
	1986	23	6.1	782.54	4.0	0	0.0	0.00	0.0	23	4.8	782.54	3.9
	1987	16	4.9	1284.87	5.8	0	0.0	0.00	0.0	16	2.0	1284.87	5.7
	TOTAL	100	4.1	9518.10	4.5	86	1.9	108.12	2.1	186	2.7	9626.22	4.4
SHORTHEAD REDHORSE	1977	5	1.6	390.00	1.6	0	0.0	0.00	0.0	5	0.0	390.00	1.6
	1978	10	2.1	681.00	3.8	0	0.0	0.00	0.0	10	1.8	681.00	3.7
	1979	4	2.1	362.00	2.2	0	0.0	0.00	0.0	4	1.4	362.00	2.2
	1981	8	3.6	2914.00	9.6	0	0.0	0.00	0.0	8	2.6	2914.00	9.3
	1985	4	2.1	303.97	1.8	4	0.2	6.20	0.3	8	0.3	310.17	1.7
	1986	11	2.9	362.91	1.8	0	0.0	0.00	0.0	11	2.3	362.91	1.8
	TOTAL	42	2.4	5013.88	4.0	4	0.1	6.20	0.1	46	0.9	5020.08	3.9
UNIDENTIFIED REDHORSE	1977	2	0.6	7.40	0.0	2	0.2	4.87	0.8	4	0.3	12.27	0.0
	1978	4	0.8	4.49	0.0	0	0.0	0.00	0.0	4	0.7	4.49	0.0
	1981	0	0.0	0.00	0.0	1	1.1	0.24	0.0	1	0.3	0.24	0.0
	1982	0	0.0	0.00	0.0	2	3.0	1.90	1.8	2	1.3	1.90	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.80	1.2	1	0.4	0.80	0.0
	TOTAL	6	0.5	11.89	0.0	6	0.5	7.81	0.4	12	0.5	19.70	0.0
BLACK BULLHEAD	1981	1	0.5	121.00	0.4	0	0.0	0.00	0.0	1	0.3	121.00	0.4
	1985	1	0.5	53.00	0.3	0	0.0	0.00	0.0	1	0.0	53.00	0.3
	1986	1	0.3	97.00	0.5	0	0.0	0.00	0.0	1	0.2	97.00	0.5
	TOTAL	3	0.4	271.00	0.4	0	0.0	0.00	0.0	3	0.1	271.00	0.4
YELLOW BULLHEAD	1984	1	0.7	200.00	1.1	0	0.0	0.00	0.0	1	0.2	200.00	1.1
	TOTAL	1	0.7	200.00	1.1	0	0.0	0.00	0.0	1	0.2	200.00	1.1
CHANNEL CATFISH	1977	1	0.3	1245.00	5.1	0	0.0	0.00	0.0	1	0.1	1245.00	5.0
	1978	1	0.2	940.00	5.3	0	0.0	0.00	0.0	1	0.2	940.00	5.2
	1982	1	1.1	450.00	2.0	0	0.0	0.00	0.0	1	0.6	450.00	1.9
	1983	0	0.0	0.00	0.0	1	0.7	1.58	2.3	1	0.4	1.58	0.0
	1986	0	0.0	0.00	0.0	1	0.9	1.40	0.3	1	0.2	1.40	0.0
	TOTAL	3	0.2	2635.00	2.4	2	0.2	2.98	0.2	5	0.2	2637.98	2.4
STONEC	1978	1	0.2	18.00	0.1	0	0.0	0.00	0.0	1	0.2	18.00	0.1
	1979	1	0.5	36.00	0.2	0	0.0	0.00	0.0	1	0.3	36.00	0.2
	1981	1	0.5	12.00	0.0	0	0.0	0.00	0.0	1	0.3	12.00	0.0
	1982	1	1.1	20.00	0.1	0	0.0	0.00	0.0	1	0.6	20.00	0.1
	1986	1	0.3	22.00	0.1	0	0.0	0.00	0.0	1	0.2	22.00	0.1
	TOTAL	5	0.4	108.00	0.1	0	0.0	0.00	0.0	5	0.3	108.00	0.1
TADPOLE MADTOM	1987	0	0.0	0.00	0.0	2	0.4	0.74	0.2	2	0.3	0.74	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.4	0.74	0.2	2	0.3	0.74	0.0
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	5	0.6	2.42	0.4	5	0.4	2.42	0.0
	1978	0	0.0	0.00	0.0	2	3.0	0.42	0.1	2	0.4	0.42	0.0
	1979	0	0.0	0.00	0.0	1	1.0	0.09	0.0	1	0.3	0.09	0.0
	1981	1	0.5	0.00	0.0	0	0.0	0.00	0.0	1	0.3	0.00	0.0
	1982	0	0.0	0.00	0.0	1	1.5	1.36	1.3	1	0.6	1.36	0.0
	1983	0	0.0	0.00	0.0	1	0.7	0.12	0.2	1	0.4	0.12	0.0
	1984	0	0.0	0.00	0.0	2	0.6	0.34	0.2	2	0.4	0.34	0.0
	1986	0	0.0	0.00	0.0	1	0.9	0.14	0.0	1	0.2	0.14	0.0
	1987	0	0.0	0.00	0.0	2	0.4	0.43	0.1	2	0.3	0.43	0.0
	TOTAL	1	0.0	0.00	0.0	15	0.7	5.32	0.2	16	0.4	5.32	0.0
BROOK SILVERSID	1977	4	1.2	3.86	0.0	40	4.5	14.01	2.3	44	3.7	17.87	0.1
	1979	0	0.0	0.00	0.0	1	1.0	0.09	0.0	1	0.3	0.09	0.0
	1984	0	0.0	0.00	0.0	7	2.0	1.12	0.6	7	1.4	1.12	0.0
	1985	1	0.5	0.15	0.0	10	0.5	1.31	0.1	11	0.5	1.46	0.0
	1986	2	0.5	1.22	0.0	0	0.0	0.00	0.0	2	0.4	1.22	0.0
	1987	1	0.3	0.83	0.0	0	0.0	0.00	0.0	1	0.1	0.83	0.0
	TOTAL	8	0.5	6.06	0.0	58	1.4	16.53	0.4	66	1.2	22.59	0.0

APPENDIX D-8 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
YELLOW BASS	1987	2	0.6	12.15	0.1	0	0.0	0.00	0.0	2	0.3	12.15	0.1
	1982	2	0.6	12.15	0.1	0	0.0	0.00	0.0	2	0.3	12.15	0.1
ROCK BASS	1977	19	5.9	1399.00	6.6	1	0.1	35.00	5.9	20	1.7	1634.00	6.6
	1978	18	3.8	461.00	2.6	1	1.5	50.00	15.1	19	3.5	511.00	2.3
	1979	40	21.2	3238.91	19.9	0	0.0	0.00	0.0	40	13.3	3238.91	19.5
	1981	22	10.0	2640.00	8.7	0	0.0	0.00	0.0	22	7.2	2640.00	8.5
	1983	1	0.9	270.00	1.2	0	0.0	0.00	0.0	1	0.4	270.00	1.2
	1984	4	2.7	187.00	1.0	0	0.0	0.00	0.0	4	0.8	187.00	1.0
	1985	8	4.3	1053.00	6.4	2	0.1	4.47	0.2	10	0.4	1057.47	5.7
	1986	49	13.0	3744.25	19.0	1	0.9	0.36	0.1	50	10.4	3744.61	18.6
	1987	35	10.6	3064.21	13.9	0	0.0	0.00	0.0	35	4.4	3064.21	13.7
	TOTAL	196	8.3	16257.37	8.6	5	0.1	89.83	1.8	201	3.0	16347.20	8.4
GREEN SUNFISH	1977	34	10.6	770.71	3.2	3	0.3	3.15	0.5	37	3.1	773.86	3.1
	1978	57	12.0	1095.48	6.1	11	16.4	115.08	34.7	68	12.6	1210.56	6.7
	1979	38	20.1	986.00	6.0	3	3.0	42.27	15.4	41	14.1	1028.27	6.2
	1981	47	21.4	1306.00	4.3	1	1.1	75.00	9.3	48	15.6	1381.00	4.4
	1982	3	3.4	102.00	0.4	2	3.0	29.60	28.0	5	3.2	131.60	0.6
	1983	1	0.9	44.00	0.2	0	0.0	0.00	0.0	1	0.4	44.00	0.2
	1984	13	8.8	390.01	2.1	1	0.3	58.00	31.8	14	2.8	448.01	2.4
	1985	0	0.0	0.00	0.0	6	0.3	179.20	9.5	6	0.3	179.20	1.0
	1986	29	7.7	1386.25	7.0	14	13.2	297.65	61.3	43	8.9	1683.90	8.4
	1987	30	9.1	1054.51	4.8	11	2.3	135.14	44.4	41	5.1	1189.65	5.3
	TOTAL	252	10.3	7134.96	3.4	52	1.2	935.09	18.5	304	4.4	8070.05	3.7
PUMPKINSEED	1981	0	0.0	0.00	0.0	1	1.1	8.87	1.1	1	0.3	8.87	0.0
	1985	2	1.1	56.91	0.3	0	0.0	0.00	0.0	2	0.1	56.91	0.3
	TOTAL	2	0.5	56.91	0.1	1	0.0	8.87	0.3	3	0.1	65.78	0.1
ORANGESPOTTED SUNFISH	1977	7	2.2	40.55	0.2	5	0.6	0.78	0.1	12	1.0	41.33	0.2
	1978	34	7.2	356.00	2.0	2	3.0	11.00	3.3	36	6.7	367.00	2.0
	1979	16	8.5	209.63	1.3	5	5.0	40.06	14.6	21	7.2	249.69	1.5
	1981	31	14.1	258.00	0.8	13	14.9	37.18	4.6	44	14.3	295.18	0.9
	1982	7	7.9	71.00	0.3	6	9.0	12.37	11.7	13	8.3	83.37	0.4
	1983	4	3.5	46.41	0.2	0	0.0	0.00	0.0	4	1.6	46.41	0.2
	1984	21	14.2	147.88	0.8	1	0.3	1.20	0.7	22	4.3	149.08	0.8
	1985	13	7.0	167.10	1.0	24	1.1	115.78	6.1	37	1.6	282.88	1.5
	1986	89	23.7	1117.41	5.7	14	13.2	59.79	12.3	103	21.4	1177.20	5.8
	1987	19	5.8	183.19	0.8	3	0.6	5.31	1.7	22	2.8	188.50	0.8
	TOTAL	241	9.8	2597.17	1.2	73	1.6	283.47	5.6	314	4.5	2880.64	1.3
BLUEGILL	1977	1	0.3	6.00	0.0	0	0.0	0.00	0.0	1	0.1	6.00	0.0
	1978	4	0.8	29.13	0.2	2	3.0	0.32	0.1	6	1.1	29.45	0.2
	1981	3	1.4	12.00	0.0	0	0.0	0.00	0.0	3	1.0	12.00	0.0
	1982	2	2.2	9.00	0.0	0	0.0	0.00	0.0	2	1.3	9.00	0.0
	1985	2	1.1	90.00	0.5	17	0.8	3.30	0.2	19	0.8	93.30	0.5
	1986	7	1.9	196.93	1.0	14	13.2	20.62	4.2	21	4.4	217.55	1.1
	1987	11	3.3	115.78	0.5	12	2.6	8.44	2.8	23	2.9	124.22	0.6
	TOTAL	30	1.5	458.84	0.3	45	1.2	32.68	0.7	75	1.3	491.52	0.3
NORTHERN LONGEAR SUNFISH	1977	10	3.1	148.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
	TOTAL	10	3.1	148.00	0.6	1	0.1	11.13	1.9	11	0.9	159.13	0.6
LONGEAR SUNFISH	1977	8	2.5	87.11	0.4	7	0.8	25.19	4.2	15	2.0	112.30	0.5
	1978	26	5.5	313.00	1.8	0	0.0	0.00	0.0	26	4.8	313.00	1.7
	1979	6	3.2	67.00	0.4	0	0.0	0.00	0.0	6	2.1	67.00	0.4
	1981	3	1.4	11.00	0.0	3	3.4	4.12	0.5	6	2.0	15.12	0.0
	1984	6	4.1	100.00	0.5	2	0.6	11.55	6.3	8	1.6	111.55	0.6
	1985	5	2.7	114.50	0.7	0	0.0	0.00	0.0	5	0.2	114.50	0.6
	1986	30	8.0	382.47	1.9	2	1.9	9.49	2.0	32	6.6	391.96	1.9
	1987	21	6.4	479.08	2.2	7	1.5	29.10	9.6	28	3.5	508.18	2.3
	TOTAL	105	4.7	1554.16	0.9	21	0.5	79.45	1.6	126	1.9	1633.61	1.0
ORANGESPOTTED XLONGEAR SUNFISH	1981	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
	TOTAL	3	1.4	27.00	0.1	0	0.0	0.00	0.0	3	1.0	27.00	0.1
GREEN X LONGEAR SUNFISH	1981	2	0.9	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
	TOTAL	2	0.9	55.00	0.2	0	0.0	0.00	0.0	2	0.7	55.00	0.2
UNIDENTIFIED HYBRIO SUNFISH	1982	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
	TOTAL	0	0.0	0.00	0.0	1	1.5	5.31	5.0	1	0.6	5.31	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	1	0.1	0.02	0.0	1	0.1	0.02	0.0
	1979	0	0.0	0.00	0.0	2	2.0	0.23	0.1	2	0.7	0.23	0.0
	1981	0	0.0	0.00	0.0	3	3.4	0.29	0.0	3	1.0	0.29	0.0
	1982	0	0.0	0.00	0.0	10	14.9	2.21	2.1	10	6.4	2.21	0.0
	1983	1	0.9	0.70	0.0	22	16.4	5.76	8.5	23	9.3	6.46	0.0
	1984	0	0.0	0.00	0.0	6	1.7	0.69	0.4	6	1.2	0.69	0.0
	TOTAL	1	0.1	0.70	0.0	44	2.7	9.20	0.5	45	1.7	9.90	0.0
SMALLMOUTH BASS	1977	16	5.0	2983.00	12.3	0	0.0	0.00	0.0	16	1.3	2983.00	12.0
	1978	10	2.1	374.31	2.1	0	0.0	0.00	0.0	10	1.8	374.31	2.1
	1979	15	7.9	848.00	5.2	3	3.0	9.37	3.4	18	6.2	857.37	5.2
	1981	8	3.6	1525.00	5.0	0	0.0	0.00	0.0	8	2.6	1525.00	4.9
	1982	5	5.6	748.00	3.2	0	0.0	0.00	0.0	5	3.2	748.00	3.2
	1983	18	15.8	1265.14	5.4	0	0.0	0.00	0.0	18	7.3	1265.14	5.4
	1984	22	14.9	2283.00	12.4	0	0.0	0.00	0.0	22	4.3	2283.00	12.3
	1985	51	27.3	2349.05	14.2	23	1.1	85.66	4.5	74	3.1	2434.71	13.2
	1986	13	3.5	1086.00	5.5	0	0.0	0.00	0.0	13	2.7	1086.00	5.4
	1987	13	4.0	744.77	3.4	0	0.0	0.00	0.0	13	1.6	744.77	3.3
	TOTAL	171	7.0	14206.27	6.7	26	0.6	95.03	1.9	197	2.9	14301.30	6.6
LARGEMOUTH BASS	1977	7	2.2	99.00	0.4	2	0.2	31.23	5.2	9	0.7	130.23	0.5
	1978	13	2.7	49.85	0.3	2	3.0	6.40	1.9	15	2.8	56.25	0.3
	1979	4	2.1	30.00	0.2	2	2.0	8.70	3.2	6	2.1	38.70	0.2
	1981	3	1.4	175.00	0.6	4	4.6	18.28	2.3	7	2.3	193.28	0.6
	1982	1	1.1	9.00	0.0	9	13.4	16.55	15.7	10	6.4	25.55	0.1
	1983	5	4.4	450.00	1.9	5	3.7	26.59	39.0	10	4.0	476.59	2.0
	1984	3	2.0	570.00	3.1	3	0.8	17.73	9.7	6	1.2	587.73	3.2
	1985	3	1.6	248.32	1.5	2	0.1	40.02	2.1	5	0.2	288.34	1.6
	1986	1	0.3	480.00	2.4	0	0.0	0.00	0.0	1	0.2	480.00	2.4
	1987	17	5.2	727.57	3.3	1	0.2	5.85	1.9	18	2.3	733.42	3.3
	TOTAL	57	2.3										

APPENDIX D-8 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5L OF THE BRAIDWOOD
 AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
BLACK CRAPPIE	1977	7	2.2	499.36	2.1	9	1.0	142.19	23.8	16	1.3	641.55	2.6
	1978	0	0.0	0.00	0.0	3	4.5	1.21	0.4	3	0.6	1.21	0.0
	1981	5	2.3	384.00	1.3	10	11.5	6.91	0.9	15	4.9	390.91	1.3
	1982	0	0.0	0.00	0.0	4	6.0	11.18	10.6	4	2.6	11.18	0.0
	1986	0	0.0	0.00	0.0	1	0.9	1.21	0.2	1	0.2	1.21	0.0
TOTAL	12	0.8	883.36	0.8	27	2.2	162.70	7.0	39	1.4	1046.06	0.9	
RAINBOW CARTER	1977	1	0.3	0.58	0.0	0	0.0	0.00	0.0	1	0.1	0.58	0.0
	TOTAL	1	0.3	0.58	0.0	0	0.0	0.00	0.0	1	0.1	0.58	0.0
JOHNNY CARTER	1978	0	0.0	0.00	0.0	13	19.4	4.97	1.5	13	2.4	4.97	0.0
	1979	0	0.0	0.00	0.0	3	3.0	0.99	0.4	3	1.0	0.99	0.0
	1982	0	0.0	0.00	0.0	8	11.9	3.77	3.6	8	5.1	3.77	0.0
	1983	0	0.0	0.00	0.0	9	6.7	2.74	4.0	9	3.6	2.74	0.0
	1984	0	0.0	0.00	0.0	1	0.3	0.11	0.1	1	0.2	0.11	0.0
	1985	0	0.0	0.00	0.0	55	2.5	39.53	2.1	55	2.3	39.53	0.2
	1986	0	0.0	0.00	0.0	2	1.9	1.14	0.2	2	0.4	1.14	0.0
	1987	0	0.0	0.00	0.0	3	0.6	1.69	0.6	3	0.4	1.69	0.0
	TOTAL	0	0.0	0.00	0.0	94	2.7	54.94	1.5	94	1.7	54.94	0.0
	1978	1	0.2	27.00	0.2	0	0.0	0.00	0.0	1	0.2	27.00	0.1
1979	1	0.5	22.00	0.1	0	0.0	0.00	0.0	1	0.3	22.00	0.1	
1981	1	0.5	16.00	0.1	0	0.0	0.00	0.0	1	0.3	16.00	0.1	
1983	1	0.9	49.00	0.2	0	0.0	0.00	0.0	1	0.4	49.00	0.2	
TOTAL	4	0.4	114.00	0.1	0	0.0	0.00	0.0	4	0.3	114.00	0.1	
LOG PERCH	1987	1	0.3	3.23	0.0	0	0.0	0.00	0.0	1	0.1	3.23	0.0
	TOTAL	1	0.3	3.23	0.0	0	0.0	0.00	0.0	1	0.1	3.23	0.0
BLACKSIDE CARTER	1979	0	0.0	0.00	0.0	1	1.0	0.70	0.3	1	0.3	0.70	0.0
	1982	0	0.0	0.00	0.0	2	3.0	1.27	1.2	2	1.3	1.27	0.0
	1985	0	0.0	0.00	0.0	1	0.0	1.71	0.1	1	0.0	1.71	0.0
TOTAL	0	0.0	0.00	0.0	4	0.2	3.68	0.2	4	0.1	3.68	0.0	
WALLEYE	1977	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4
	TOTAL	7	2.2	350.00	1.4	0	0.0	0.00	0.0	7	0.6	350.00	1.4

APPENDIX D-9. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL						
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT			
LONGHOSE GAR	1979	2	2.8	34.53	0.2	0	0.0	0.00	0.0	2	0.3	34.53	0.2		
	1981	1	0.5	520.00	2.1	0	0.0	0.00	0.0	1	0.2	520.00	2.0		
	1982	0	0.0	0.00	0.0	1	1.3	4.82	7.4	1	0.9	4.82	0.0		
	1985	6	4.0	165.00	1.0	0	0.0	0.00	0.0	6	0.4	165.00	1.0		
	1987	2	1.9	118.00	2.2	0	0.0	0.00	0.0	2	0.4	118.00	2.1		
	TOTAL	11	1.9	837.53	1.1	1	0.0	4.82	0.2	12	0.4	842.35	1.1		
	GIZZARD SHAD	1977	15	9.3	466.73	2.3	2	0.2	14.58	2.4	17	1.5	481.31	2.3	
		1978	116	50.4	449.56	3.5	1	0.2	7.71	2.3	117	16.1	457.27	3.4	
		1979	6	8.3	770.41	5.0	0	0.0	0.00	0.0	6	0.9	770.41	4.8	
		1981	49	22.7	607.40	2.4	8	2.9	26.76	4.9	57	11.5	634.16	2.5	
1982		13	43.3	993.00	7.8	0	0.0	0.00	0.0	13	12.1	993.00	7.7		
1983		9	11.7	642.91	3.4	0	0.0	0.00	0.0	9	2.1	642.91	3.4		
1984		1	1.6	310.00	1.4	0	0.0	0.00	0.0	1	0.4	310.00	1.4		
1985		7	4.6	323.06	2.0	0	0.0	0.00	0.0	7	0.5	323.06	1.9		
1986		32	19.3	4375.54	34.9	1	1.0	0.26	0.1	33	12.6	4375.80	34.3		
1987		18	17.0	1654.00	31.5	1	0.3	1.77	0.5	19	4.1	1655.77	29.4		
TOTAL	266	20.9	10592.61	6.6	13	0.3	51.08	1.3	279	4.7	10643.69	6.4			
GRASS PICKEREL	1981	11	5.1	150.00	0.6	2	0.7	24.29	4.4	13	2.6	174.29	0.7		
	1984	0	0.0	0.00	0.0	1	0.5	8.05	5.7	1	0.4	8.05	0.0		
	1986	4	2.4	25.61	0.2	1	1.0	10.44	4.7	5	1.9	36.05	0.3		
	TOTAL	15	3.4	175.61	0.3	4	0.7	42.78	4.7	19	1.9	218.39	0.4		
	NORTHERN PIKE	1979	1	1.4	65.00	0.4	0	0.0	0.00	0.0	1	0.1	65.00	0.4	
		1981	4	1.9	1432.00	5.7	0	0.0	0.00	0.0	4	0.8	1432.00	5.5	
		1983	1	1.3	21.00	0.1	0	0.0	0.00	0.0	1	0.2	21.00	0.1	
		1984	1	1.6	430.00	1.9	0	0.0	0.00	0.0	1	0.4	430.00	1.9	
		1985	3	2.0	433.00	2.7	0	0.0	0.00	0.0	3	0.2	433.00	2.6	
		1986	1	0.6	800.00	6.4	0	0.0	0.00	0.0	1	0.4	800.00	6.3	
TOTAL		11	1.5	3181.00	2.9	0	0.0	0.00	0.0	11	0.3	3181.00	2.8		
CARP		1977	14	8.7	11021.00	54.1	0	0.0	0.00	0.0	14	1.3	11021.00	52.5	
		1978	5	2.2	8582.00	66.4	0	0.0	0.00	0.0	5	0.7	8582.00	64.7	
		1979	4	5.6	3370.00	21.7	0	0.0	0.00	0.0	4	0.6	3370.00	21.0	
	1981	16	7.4	10966.73	43.4	1	0.4	1.11	0.2	17	3.4	10967.84	42.5		
	1982	2	6.7	2280.00	17.8	0	0.0	0.00	0.0	2	1.9	2280.00	17.7		
	1983	2	2.6	2220.00	11.7	0	0.0	0.00	0.0	2	0.5	2220.00	11.6		
	1984	2	3.2	1438.00	6.5	0	0.0	0.00	0.0	2	0.7	1438.00	6.4		
	1985	3	2.0	4390.00	27.7	0	0.0	0.00	0.0	3	0.2	4390.00	26.1		
	TOTAL	48	4.8	44267.73	30.8	1	0.0	1.11	0.0	49	0.9	44268.84	30.1		
	SILVERJAW MINNOW	1977	0	0.0	0.00	0.0	1	0.1	0.38	0.1	1	0.1	0.38	0.0	
1978		0	0.0	0.00	0.0	3	0.6	0.73	0.2	3	0.4	0.73	0.0		
1979		0	0.0	0.00	0.0	3	0.5	1.02	0.2	3	0.4	1.02	0.0		
1983		0	0.0	0.00	0.0	1	0.3	0.43	0.2	1	0.2	0.43	0.0		
1986		1	0.6	0.57	0.0	0	0.0	0.00	0.0	1	0.4	0.57	0.0		
TOTAL		1	0.1	0.57	0.0	8	0.3	2.56	0.1	9	0.3	3.13	0.0		
HORNYHEAD CHUB		1977	0	0.0	0.00	0.0	4	0.4	2.18	0.4	4	0.4	2.18	0.0	
		1979	0	0.0	0.00	0.0	4	0.7	2.27	0.5	4	0.6	2.27	0.0	
		1983	0	0.0	0.00	0.0	1	0.3	0.22	0.1	1	0.2	0.22	0.0	
		1984	0	0.0	0.00	0.0	3	1.5	1.01	0.7	3	1.1	1.01	0.0	
	1985	0	0.0	0.00	0.0	43	3.4	34.16	3.3	43	3.1	34.16	0.2		
	TOTAL	0	0.0	0.00	0.0	55	1.6	39.84	1.6	55	1.4	39.84	0.0		
	PALLID CHUB	1978	0	0.0	0.00	0.0	1	0.2	0.42	0.1	1	0.1	0.42	0.0	
		1979	0	0.0	0.00	0.0	5	0.8	1.82	0.4	5	0.7	1.82	0.0	
		1981	0	0.0	0.00	0.0	1	0.4	0.23	0.0	1	0.2	0.23	0.0	
		1984	0	0.0	0.00	0.0	1	0.5	0.31	0.2	1	0.4	0.31	0.0	
1985		0	0.0	0.00	0.0	11	0.9	5.26	0.5	11	0.8	5.26	0.0		
TOTAL		0	0.0	0.00	0.0	19	0.7	8.04	0.3	19	0.5	8.04	0.0		
GOLDEN SHINER		1979	1	1.4	14.00	0.1	0	0.0	0.00	0.0	1	0.1	14.00	0.1	
		1981	1	0.5	2.50	0.0	0	0.0	0.00	0.0	1	0.2	2.50	0.0	
		1985	1	0.7	3.15	0.0	0	0.0	0.00	0.0	1	0.1	3.15	0.0	
		TOTAL	3	0.7	19.65	0.0	0	0.0	0.00	0.0	3	0.1	19.65	0.0	
	EMERALD SHINER	1977	1	0.6	4.98	0.0	0	0.0	0.00	0.0	1	0.1	4.98	0.0	
		1983	1	1.3	4.40	0.0	0	0.0	0.00	0.0	1	0.2	4.40	0.0	
		1985	0	0.0	0.00	0.0	1	0.1	0.11	0.0	1	0.1	0.11	0.0	
		TOTAL	2	0.5	9.38	0.0	1	0.0	0.11	0.0	3	0.1	9.49	0.0	
		STRIPED SHINER	1978	0	0.0	0.00	0.0	5	1.0	1.41	0.4	5	0.7	1.41	0.0
			1979	0	0.0	0.00	0.0	19	3.1	3.76	0.8	19	2.8	3.76	0.0
1982			0	0.0	0.00	0.0	2	2.6	0.66	1.0	2	1.9	0.66	0.0	
1983			0	0.0	0.00	0.0	6	1.7	2.45	1.3	6	1.4	2.45	0.0	
1984			0	0.0	0.00	0.0	21	10.2	5.68	4.0	21	7.9	5.68	0.0	
1985			1	0.7	0.79	0.0	103	8.2	37.25	3.6	104	7.4	38.04	0.2	
1986	3		1.8	3.30	0.0	4	4.2	8.18	3.7	7	2.7	11.48	0.1		
TOTAL	4		0.5	4.09	0.0	160	5.2	59.39	2.4	164	4.2	63.48	0.1		
RED SHINER	1981		0	0.0	0.00	0.0	1	0.4	2.21	0.4	1	0.2	2.21	0.0	
	1985		0	0.0	0.00	0.0	2	0.2	1.73	0.2	2	0.1	1.73	0.0	
	TOTAL	0	0.0	0.00	0.0	3	0.2	3.94	0.3	3	0.2	3.94	0.0		
	ROSYFACE SHINER	1977	1	0.6	3.62	0.0	37	3.9	15.93	2.6	38	3.4	19.55	0.1	
		1978	0	0.0	0.00	0.0	1	0.2	0.65	0.2	1	0.1	0.65	0.0	
		1979	0	0.0	0.00	0.0	24	3.9	9.10	1.8	24	3.5	9.10	0.1	
		1981	1	0.5	0.87	0.0	0	0.0	0.00	0.0	1	0.2	0.87	0.0	
		1982	0	0.0	0.00	0.0	2	2.6	0.50	0.8	2	1.9	0.50	0.0	
		1985	0	0.0	0.00	0.0	31	2.5	5.64	0.6	31	2.2	5.64	0.0	
		1987	0	0.0	0.00	0.0	2	0.6	0.34	0.1	2	0.4	0.34	0.0	
TOTAL		2	0.2	4.49	0.0	97	2.4	32.16	0.9	99	2.0	36.65	0.0		
SPOTFIN SHINER		1977	8	5.0	24.96	0.1	110	11.7	65.11	10.6	118	10.7	90.07	0.4	
		1978	6	2.6	23.50	0.2	13	2.6	24.96	7.4	19	2.6	48.46	0.4	
	1979	2	2.8	13.48	0.1	320	52.2	221.17	44.5	322	47.0	234.65	1.5		
	1981	7	3.2	16.85	0.1	14	5.0	5.23	1.0	21	4.2	22.08	0.1		
	1982	1	3.3	5.99	0.0	10	13.0	23.97	36.8	11	10.3	29.96	0.2		
	1983	8	10.4	24.27	0.1	25	7.2	16.24	8.5	33	7.8	40.51	0.2		
	1984	6	9.7	16.91	0.1	57	27.8	32.58	23.2	63	23.6	49.49	0.2		
	1985	3	2.0	15.05	0.1	448	35.8	114.26	11.2	451	32.1	129.31	0.3		
	1986	8	4.8	14.47	0.1	1	1.0	0.90	0.4	9	3.4	15.37	0.1		
	1987	8	7.5	14.69	0.3	109	30.1	26.80	7.0	117	25.0	41.49	0.7		
TOTAL	57	4.5	170.17	0.1	1107	23.7	531.22	13.2	1164	19.6	701.39	0.4			
SAND SHINER	1977	1	0.6	1.97	0.0	56	5.9	19.18	3.1	57	5.2	21.15	0.1		
	1978	0	0.0												

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
REDFIN SHINER	1977	0	0.0	0.00	0.0	4	0.4	0.63	0.1	4	0.4	0.63	0.0
	1978	1	0.4	1.86	0.0	0	0.0	0.00	0.0	1	0.1	1.86	0.0
	1986	0	0.0	0.00	0.0	2	2.1	1.61	0.7	2	0.8	1.61	0.0
	TOTAL	1	0.2	1.86	0.0	6	0.4	2.24	0.2	7	0.3	4.10	0.0
MIMIC SHINER	1977	0	0.0	0.00	0.0	5	0.5	0.78	0.1	5	0.5	0.78	0.0
	1981	0	0.0	0.00	0.0	4	1.4	1.39	0.3	4	0.8	1.39	0.0
	TOTAL	0	0.0	0.00	0.0	9	0.7	2.17	0.2	9	0.6	2.17	0.0
SUCKERMOUTH MINNOW	1978	1	0.4	0.29	0.0	6	1.2	3.14	0.9	7	1.0	3.43	0.0
	1979	0	0.0	0.00	0.0	17	2.8	5.96	1.2	17	2.5	5.96	0.0
	1981	0	0.0	0.00	0.0	13	4.7	2.54	0.5	13	2.6	2.54	0.0
	1982	0	0.0	0.00	0.0	6	7.8	2.19	3.4	6	5.6	2.19	0.0
	1983	0	0.0	0.00	0.0	30	8.7	13.54	7.1	30	7.1	13.54	0.1
	1984	0	0.0	0.00	0.0	8	3.9	2.71	1.9	8	3.0	2.71	0.0
	1985	0	0.0	0.00	0.0	10	0.8	6.90	0.7	10	0.7	6.90	0.0
	1986	3	1.8	2.38	0.0	4	4.2	1.17	0.5	7	2.7	3.55	0.0
	1987	1	0.9	0.69	0.0	9	2.5	7.04	1.8	10	2.1	7.73	0.1
	TOTAL	5	0.5	3.36	0.0	103	2.8	45.19	1.3	108	2.2	48.55	0.0
BLUNTNNOSE MINNOW	1977	11	6.8	21.84	0.1	184	19.5	113.34	18.4	195	17.7	135.18	0.6
	1978	11	4.8	28.67	0.2	180	36.2	135.13	39.9	191	26.3	163.80	1.2
	1979	1	1.4	4.29	0.0	25	4.1	10.46	2.1	26	3.8	14.75	0.1
	1981	1	0.5	1.00	0.0	43	15.4	21.07	3.9	44	8.9	22.07	0.1
	1982	0	0.0	0.00	0.0	14	18.2	8.08	12.4	14	13.1	8.08	0.1
	1983	0	0.0	0.00	0.0	53	15.4	19.11	10.0	53	12.6	19.11	0.1
	1984	0	0.0	0.00	0.0	14	6.8	4.97	3.5	14	5.2	4.97	0.0
	1985	11	7.3	36.20	0.2	149	11.9	78.42	7.7	160	11.4	114.62	0.7
	1986	30	18.1	27.93	0.2	50	52.1	22.96	10.3	80	30.5	50.89	0.4
	1987	9	8.5	9.62	0.2	53	14.6	37.38	9.7	62	13.2	47.00	0.8
	TOTAL	74	5.8	129.55	0.1	765	16.4	450.92	11.2	839	14.1	580.47	0.4
FATHEAD MINNOW	1979	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	3.36	0.7	1	0.1	3.36	0.0
BULLHEAD MINNOW	1977	14	8.7	38.73	0.2	189	20.0	104.63	17.0	203	18.4	143.36	0.7
	1978	8	3.5	14.99	0.1	44	8.9	47.51	14.0	52	7.2	62.50	0.5
	1979	11	15.3	34.37	0.2	36	5.9	38.97	7.8	47	6.9	73.34	0.5
	1981	3	1.4	10.95	0.0	96	34.4	55.54	10.2	99	20.0	66.49	0.3
	1982	1	3.3	2.88	0.0	8	10.4	7.51	11.5	9	8.4	10.39	0.1
	1983	3	3.9	5.97	0.0	37	10.7	13.76	7.2	40	9.5	19.73	0.1
	1984	2	3.2	8.25	0.0	30	14.6	5.72	4.1	32	12.0	13.97	0.1
	1985	2	1.3	9.68	0.1	22	1.8	36.97	3.6	24	1.7	46.65	0.3
	1986	2	1.2	3.98	0.0	1	1.0	0.78	0.3	3	1.1	4.76	0.0
	1987	3	2.8	3.72	0.1	35	9.7	33.50	8.7	38	8.1	37.22	0.7
	TOTAL	49	3.9	133.52	0.1	498	10.7	344.89	8.6	547	9.2	478.41	0.3
CREEK CHUB	1983	0	0.0	0.00	0.0	11	3.2	4.38	2.3	11	2.6	4.38	0.0
	1985	0	0.0	0.00	0.0	6	0.5	4.08	0.4	6	0.4	4.08	0.0
	TOTAL	0	0.0	0.00	0.0	17	1.1	8.46	0.7	17	0.9	8.46	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	274	29.1	14.20	2.3	274	24.8	14.20	0.1
	1978	0	0.0	0.00	0.0	2	0.4	0.04	0.0	2	0.3	0.04	0.0
	1982	0	0.0	0.00	0.0	1	1.3	0.06	0.1	1	0.9	0.06	0.0
	1983	0	0.0	0.00	0.0	5	1.4	0.40	0.2	5	1.2	0.40	0.0
	1984	0	0.0	0.00	0.0	1	0.5	0.05	0.0	1	0.4	0.05	0.0
	TOTAL	0	0.0	0.00	0.0	283	13.7	14.75	1.1	283	10.8	14.75	0.0
QUILLBACK	1977	4	2.5	20.29	0.1	1	0.1	3.48	0.6	5	0.5	23.77	0.1
	1978	10	4.3	1994.00	15.4	0	0.0	0.00	0.0	10	1.4	1994.00	15.0
	1979	10	13.9	4667.00	30.0	0	0.0	0.00	0.0	10	1.5	4667.00	29.1
	1981	10	4.6	3685.00	14.6	0	0.0	0.00	0.0	10	2.0	3685.00	14.3
	1982	1	3.3	750.00	5.9	0	0.0	0.00	0.0	1	0.9	750.00	5.8
	1983	23	29.9	13247.00	70.0	0	0.0	0.00	0.0	23	5.5	13247.00	69.3
	1984	26	41.9	15476.00	69.6	0	0.0	0.00	0.0	26	9.7	15476.00	69.2
	1985	5	3.3	568.99	3.6	1	0.1	5.36	0.5	6	0.4	574.35	3.4
	1986	7	4.2	4069.00	32.4	0	0.0	0.00	0.0	7	2.7	4069.00	31.9
	1987	3	2.8	2020.00	38.5	0	0.0	0.00	0.0	3	0.6	2020.00	35.9
	TOTAL	99	7.8	46497.28	28.8	2	0.0	8.84	0.2	101	1.7	46506.12	28.1
NORTHERN HOGSUCKER	1983	1	1.3	435.00	2.3	0	0.0	0.00	0.0	1	0.2	435.00	2.3
	1984	1	1.6	600.00	2.7	0	0.0	0.00	0.0	1	0.4	600.00	2.7
	1985	1	0.7	3.86	0.0	0	0.0	0.00	0.0	1	0.1	3.86	0.0
	TOTAL	3	1.0	1038.86	1.8	0	0.0	0.00	0.0	3	0.1	1038.86	1.8
SMALLMOUTH BUFFALO	1981	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.3
	TOTAL	1	0.5	345.00	1.4	0	0.0	0.00	0.0	1	0.2	345.00	1.3
BIGMOUTH BUFFALO	1982	1	3.3	600.00	4.7	0	0.0	0.00	0.0	1	0.9	600.00	4.7
	1984	1	1.6	1140.00	5.1	0	0.0	0.00	0.0	1	0.4	1140.00	5.1
	TOTAL	2	2.2	1740.00	5.0	0	0.0	0.00	0.0	2	0.5	1740.00	4.9
SILVER REDHORSE	1977	1	0.6	705.00	3.5	0	0.0	0.00	0.0	1	0.1	705.00	3.4
	1978	1	0.4	910.00	7.0	0	0.0	0.00	0.0	1	0.1	910.00	6.9
	1979	0	0.0	0.00	0.0	1	0.2	2.60	0.5	1	0.1	2.60	0.0
	1981	1	0.5	150.00	0.6	1	0.4	24.39	4.5	2	0.4	174.39	0.7
	1982	6	20.0	3840.00	30.0	0	0.0	0.00	0.0	6	5.6	3840.00	29.9
	1984	3	4.8	1210.00	5.4	0	0.0	0.00	0.0	3	1.1	1210.00	5.4
	1985	3	2.0	2430.00	15.4	3	0.2	3.57	0.3	6	0.4	2433.57	14.4
	1986	2	1.2	95.00	0.8	0	0.0	0.00	0.0	2	0.8	95.00	0.7
	TOTAL	17	1.6	9340.00	6.8	5	0.1	30.56	0.9	22	0.4	9370.56	6.6
RIVER REDHORSE	1982	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
	TOTAL	1	3.3	3178.00	24.9	0	0.0	0.00	0.0	1	0.9	3178.00	24.7
GOLOEN REDHORSE	1977	3	1.9	140.00	0.7	0	0.0	0.00	0.0	3	0.3	140.00	0.7
	1978	3	1.3	25.27	0.2	0	0.0	0.00	0.0	3	0.4	25.27	0.2
	1979	8	11.1	959.00	6.2	1	0.2	30.00	6.0	9	1.3	989.00	6.2
	1981	3	1.4	840.00	3.3	0	0.0	0.00	0.0	3	0.6	840.00	3.3
	1982	1	3.3	470.00	3.7	0	0.0	0.00	0.0	1	0.9	470.00	3.7
	1983	1	1.3	405.00	2.1	0	0.0	0.00	0.0	1	0.2	405.00	2.1
	1984	2	3.2	725.00	3.3	0	0.0	0.00	0.0	2	0.7	725.00	3.2
	1985	8	5.3	2149.05	13.6	58	4.6	54.57	5.3	66	4.7	2203.62	13.1
	1986	7	4.2	1837.05	14.6	0	0.0	0.00	0.0	7	2.7	1837.05	14.4
	1987	5	4.7	568.34	10.8	13	3.6	13.64	3.6	18	3.8	581.98	10.3

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SHORTHEAD REDHORSE	1977	4	2.5	336.00	1.6	0	0.0	0.00	0.0	4	0.4	336.00	1.6
	1981	6	2.8	2215.00	8.8	0	0.0	0.00	0.0	6	1.2	2215.00	8.8
	1982	1	3.3	440.00	3.4	0	0.0	0.00	0.0	1	0.9	440.00	3.4
	1985	1	0.7	2.34	0.0	4	0.3	6.30	0.6	5	0.4	8.64	0.1
	TOTAL	12	2.2	2993.34	4.0	4	0.2	6.30	0.3	16	0.5	2999.64	3.9
UNIDENTIFIED REOHORSE	1977	3	1.9	10.67	0.1	0	0.0	0.00	0.0	3	0.3	10.67	0.1
	1978	1	0.4	1.25	0.0	29	5.8	17.65	5.2	30	4.1	18.90	0.1
	1979	0	0.0	0.00	0.0	6	1.0	3.56	0.7	6	0.9	3.56	0.0
	1981	0	0.0	0.00	0.0	6	2.2	1.83	0.3	6	1.2	1.83	0.0
	1983	0	0.0	0.00	0.0	10	2.9	4.96	2.6	10	2.4	4.96	0.0
	TOTAL	4	0.5	11.92	0.0	51	1.9	28.00	1.3	55	1.6	39.92	0.0
CHANNEL CATFISH	1977	3	1.9	1684.00	8.3	0	0.0	0.00	0.0	3	0.3	1684.00	8.0
	1979	2	2.8	4158.00	26.7	0	0.0	0.00	0.0	2	0.3	4158.00	25.9
	1986	0	0.0	0.00	0.0	1	1.0	0.15	0.1	1	0.4	0.15	0.0
	1987	0	0.0	0.00	0.0	3	0.8	3.43	0.9	3	0.6	3.43	0.1
	TOTAL	5	1.0	5842.00	10.9	4	0.2	3.58	0.2	9	0.4	5845.58	10.5
STONEC	1985	1	0.7	28.00	0.2	0	0.0	0.00	0.0	1	0.1	28.00	0.2
	1987	1	0.9	20.00	0.4	0	0.0	0.00	0.0	1	0.2	20.00	0.4
	TOTAL	2	0.8	48.00	0.2	0	0.0	0.00	0.0	2	0.1	48.00	0.2
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	3	0.3	0.84	0.1	3	0.3	0.84	0.0
	1978	0	0.0	0.00	0.0	1	0.2	0.23	0.1	1	0.1	0.23	0.0
	1981	0	0.0	0.00	0.0	1	0.4	0.24	0.0	1	0.2	0.24	0.0
	1985	0	0.0	0.00	0.0	21	1.7	12.38	1.2	21	1.5	12.38	0.1
	1987	0	0.0	0.00	0.0	2	0.6	1.51	0.4	2	0.4	1.51	0.0
	TOTAL	0	0.0	0.00	0.0	28	0.8	15.20	0.5	28	0.7	15.20	0.0
BROOK SILVERSID	1977	0	0.0	0.00	0.0	2	0.2	0.76	0.1	2	0.2	0.76	0.0
	1985	0	0.0	0.00	0.0	23	1.8	4.94	0.5	23	1.6	4.94	0.0
	1986	4	2.4	8.07	0.1	0	0.0	0.00	0.0	4	1.5	8.07	0.1
	1987	0	0.0	0.00	0.0	1	0.3	0.49	0.1	1	0.2	0.49	0.0
	TOTAL	4	0.7	8.07	0.0	26	1.0	6.19	0.3	30	0.9	14.26	0.0
YELLOW BASS	1978	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
	TOTAL	1	0.4	16.00	0.1	0	0.0	0.00	0.0	1	0.1	16.00	0.1
ROCK BASS	1977	15	9.3	1439.00	7.1	4	0.4	92.14	15.0	19	1.7	1531.14	7.3
	1978	1	0.4	102.00	0.8	0	0.0	0.00	0.0	1	0.1	102.00	0.8
	1979	6	8.3	583.00	3.7	0	0.0	0.00	0.0	6	0.9	583.00	3.6
	1981	8	3.7	780.00	3.1	1	0.4	0.16	0.0	9	1.3	780.16	3.0
	1983	2	2.6	208.00	1.1	0	0.0	0.00	0.0	2	0.5	208.00	1.1
	1984	1	1.6	205.00	0.9	1	0.5	0.05	0.0	2	0.7	205.05	0.9
	1985	3	2.0	48.75	0.3	10	0.8	34.17	3.3	13	0.9	82.92	0.5
	1986	2	1.2	43.59	0.3	0	0.0	0.00	0.0	2	0.8	43.59	0.3
	1987	2	1.9	90.00	1.7	0	0.0	0.00	0.0	2	0.4	90.00	1.6
	TOTAL	40	3.2	3499.34	2.4	16	0.3	126.52	3.2	56	1.0	3625.86	2.4
GREEN SUNFISH	1977	7	4.3	166.21	0.8	2	0.2	0.82	0.1	9	0.8	167.03	0.8
	1978	2	0.9	18.00	0.1	0	0.0	0.00	0.0	2	0.3	18.00	0.1
	1979	4	5.6	60.00	0.4	0	0.0	0.00	0.0	4	0.6	60.00	0.4
	1981	16	7.4	301.00	1.2	0	0.0	0.00	0.0	16	3.2	301.00	1.2
	1984	2	3.2	35.10	0.2	1	0.5	53.00	37.8	3	1.1	88.10	0.4
	1985	9	6.0	465.03	2.9	0	0.0	0.00	0.0	9	0.6	465.03	2.8
	1986	3	1.8	106.21	0.8	0	0.0	0.00	0.0	3	1.1	106.21	0.8
	1987	0	0.0	0.00	0.0	1	0.3	4.25	1.1	1	0.2	4.25	0.1
	TOTAL	43	3.7	1151.55	0.9	4	0.1	58.07	1.5	47	0.9	1209.62	0.9
PUMPKINSEED	1986	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
	TOTAL	1	0.6	52.00	0.4	0	0.0	0.00	0.0	1	0.4	52.00	0.4
ORANGESPOTTED SUNFISH	1977	2	1.2	14.88	0.1	15	1.6	5.37	0.9	17	1.5	20.25	0.1
	1978	3	1.3	24.00	0.2	0	0.0	0.00	0.0	3	0.4	24.00	0.2
	1979	5	6.9	36.00	0.2	1	0.2	18.00	3.6	6	0.9	54.00	0.3
	1981	23	10.6	168.06	0.7	16	5.7	58.07	10.6	39	7.9	226.13	0.9
	1984	1	1.6	12.00	0.1	0	0.0	0.00	0.0	1	0.4	12.00	0.1
	1985	9	6.0	95.31	0.6	4	0.3	22.57	2.2	13	0.9	117.88	0.7
	1986	3	1.8	35.03	0.3	15	15.6	71.81	32.2	18	6.9	106.84	0.8
	1987	1	0.9	14.00	0.3	4	1.1	23.34	6.1	5	1.1	37.34	0.7
	TOTAL	47	4.0	399.28	0.3	55	1.3	199.16	5.3	102	1.9	598.44	0.4
BLUEGILL	1977	2	1.2	128.12	0.6	4	0.4	1.77	0.3	6	0.5	129.89	0.6
	1978	8	3.5	85.00	0.7	0	0.0	0.00	0.0	8	1.1	85.00	0.5
	1981	6	2.8	176.00	0.7	0	0.0	0.00	0.0	6	1.2	176.00	0.7
	1982	1	3.3	24.00	0.2	0	0.0	0.00	0.0	1	0.9	24.00	0.2
	1983	7	9.1	317.00	1.7	1	0.3	21.48	11.2	8	1.9	338.48	1.8
	1985	2	1.3	91.00	0.6	7	0.6	0.94	0.1	9	0.6	91.94	0.5
	1986	14	8.4	244.63	1.9	2	2.1	4.47	2.0	16	6.1	249.10	2.0
	1987	3	2.8	48.00	0.9	2	0.6	1.48	0.4	5	1.1	49.48	0.9
	TOTAL	43	3.8	1113.75	0.9	16	0.4	30.14	0.9	59	1.2	1143.89	0.9
CENTRAL LONGEAR SUNFISH	1977	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
	TOTAL	3	1.9	58.00	0.3	1	0.1	10.68	1.7	4	0.4	68.68	0.3
NORTHERN LONGEAR SUNFISH	1977	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
	TOTAL	4	2.5	40.01	0.2	3	0.3	17.57	2.9	7	0.6	57.58	0.3
LONGEAR SUNFISH	1977	11	6.8	124.72	0.6	13	1.4	5.03	0.8	24	2.2	129.77	0.6
	1978	19	8.3	280.00	2.2	3	0.6	9.97	2.9	22	3.0	289.97	2.2
	1981	8	3.7	88.68	0.4	11	3.9	20.26	3.7	19	3.8	108.94	0.4
	1983	1	1.3	23.00	0.1	0	0.0	0.00	0.0	1	0.2	23.00	0.1
	1984	1	1.6	4.11	0.0	0	0.0	0.00	0.0	1	0.4	4.11	0.0
	1985	21	13.9	227.57	1.4	36	2.9	150.01	14.7	57	4.1	377.58	2.2
	1986	24	14.5	316.23	2.5	12	12.5	95.37	42.7	36	13.7	411.60	3.2
	1987	33	31.1	438.46	8.4	15	4.1	74.74	19.5	48	10.3	513.20	9.1
	TOTAL	118	10.1	1502.77	1.1	90	2.3	355.40	10.3	208	4.0	1858.17	1.4
GREEN SUNFISH X BLUEGILL	1977	1	0.6	68.00	0.3	0	0.0	0.00	0.0	1	0.1	68.00	0.3
	1983	1	1.3	38.00	0.2	0	0.0	0.00	0.0	1	0.2	38.00	0.2
	TOTAL	2	0.8	106.00	0.3	0	0.0	0.00	0.0	2	0.1	106.00	0.3
GREEN X LONGEAR SUNFISH	1981	1	0.5	5.00	0.0	0	0.0	0.00	0.0	1	0.2	5.00	0.0
	1985	1	0.7	46.00	0.3	0	0.0	0.00	0.0	1	0.1	46.00	0.3
	TOTAL	2	0.5	51.00	0.1	0	0.0	0.00	0.0	2	0.1	51.00	0.1

APPENDIX D-9 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 5R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
GREEN SUNFISH HYBRID	1981	2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
TOTAL		2	0.9	5.00	0.0	0	0.0	0.00	0.0	2	0.4	5.00	0.0
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	3	0.3	0.07	0.0	3	0.3	0.07	0.0
1981	0	0.0	0.00	0.0	1	0.4	0.17	0.0	1	0.2	0.17	0.0	
1982	0	0.0	0.00	0.0	1	1.3	0.17	0.3	1	0.9	0.17	0.0	
1983	0	0.0	0.00	0.0	27	7.8	3.01	1.6	27	6.4	3.01	0.0	
TOTAL		0	0.0	0.00	0.0	32	1.9	3.42	0.2	32	1.5	3.42	0.0
SMALLMOUTH BASS	1977	15	9.3	3259.16	16.0	2	0.2	63.51	10.3	17	1.5	3322.67	15.8
1978	6	2.6	87.84	0.7	0	0.0	0.00	0.0	6	0.8	87.84	0.7	
1979	4	5.5	443.31	2.9	5	0.8	14.99	3.0	9	1.3	458.30	2.9	
1981	5	2.3	90.00	0.4	7	2.5	48.55	8.9	12	2.4	138.55	0.5	
1982	0	0.0	0.00	0.0	2	2.6	5.09	7.8	2	1.9	5.09	0.0	
1983	8	10.4	826.00	4.4	0	0.0	0.00	0.0	8	1.9	826.00	4.3	
1984	9	14.5	612.84	2.8	0	0.0	0.00	0.0	9	3.4	612.84	2.7	
1985	36	23.8	3857.74	24.4	10	0.8	234.03	22.9	46	3.3	4091.77	24.3	
1986	10	6.0	387.00	3.1	0	0.0	0.00	0.0	10	3.8	387.00	3.0	
1987	3	2.8	209.00	4.0	0	0.0	0.00	0.0	3	0.6	209.00	3.7	
TOTAL		96	7.6	9772.89	6.0	26	0.6	366.17	9.1	122	2.1	10139.06	6.1
LARGEMOUTH BASS	1977	7	4.3	143.74	0.7	1	0.1	23.71	3.9	8	0.7	167.45	0.8
1978	23	10.0	194.43	1.5	7	1.4	25.04	7.4	30	4.1	219.47	1.7	
1979	1	1.4	96.00	0.6	0	0.0	0.00	0.0	1	0.1	96.00	0.6	
1981	9	4.2	1262.00	5.0	2	0.7	173.00	31.7	11	2.2	1435.00	5.6	
1983	5	6.5	238.00	1.3	2	0.6	12.57	6.6	7	1.7	250.57	1.3	
1984	2	3.2	6.91	0.0	0	0.0	0.00	0.0	2	0.7	6.91	0.0	
1985	13	8.6	433.09	2.7	11	0.9	65.15	6.4	24	1.7	498.24	3.0	
1986	3	1.8	99.63	0.8	1	1.0	4.67	2.1	4	1.5	104.30	0.8	
1987	5	4.7	28.61	0.5	6	1.7	56.97	14.8	11	2.4	85.58	1.5	
TOTAL		68	5.5	2502.41	1.7	30	0.7	361.11	9.1	98	1.7	2863.52	1.9
WHITE CRAPPIE	1977	1	0.6	0.32	0.0	2	0.2	2.44	0.4	3	0.3	2.76	0.0
1979	4	5.6	242.00	1.6	3	0.5	73.50	14.8	7	1.0	315.50	2.0	
1981	22	10.2	1435.00	5.7	3	1.1	38.72	7.1	25	5.1	1473.72	5.7	
1982	1	3.3	200.00	1.6	1	1.3	0.55	0.8	2	1.9	200.55	1.6	
1983	2	2.6	265.00	1.4	0	0.0	0.00	0.0	2	0.5	265.00	1.4	
TOTAL		30	5.4	2142.32	2.3	9	0.4	115.21	6.0	39	1.4	2257.53	2.4
BLACK CRAPPIE	1977	10	6.2	464.86	2.3	8	0.8	24.54	4.0	18	1.6	489.40	2.3
1981	1	0.5	10.00	0.0	7	2.5	17.42	3.2	8	1.6	27.42	0.1	
1987	0	0.0	0.00	0.0	1	0.3	30.82	8.0	1	0.2	30.82	0.5	
TOTAL		11	2.3	474.86	0.9	16	1.0	72.78	4.7	27	1.3	547.64	1.0
RAINBOW DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
TOTAL		0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.1	0.43	0.0
JOHNNY DARTER	1977	0	0.0	0.00	0.0	8	0.8	5.75	0.9	8	0.7	5.75	0.0
1978	1	0.4	0.42	0.0	14	2.8	6.02	1.8	15	2.1	6.44	0.0	
1979	0	0.0	0.00	0.0	36	5.9	9.64	1.9	36	5.3	9.64	0.1	
1982	0	0.0	0.00	0.0	11	14.3	3.58	5.5	11	10.3	3.58	0.0	
1983	0	0.0	0.00	0.0	18	5.2	5.49	2.9	18	4.3	5.49	0.0	
1984	0	0.0	0.00	0.0	12	5.9	4.92	3.5	12	4.5	4.92	0.0	
1985	1	0.7	0.80	0.0	35	2.8	21.67	2.1	36	2.6	22.47	0.1	
1986	1	0.6	0.23	0.0	1	1.0	0.40	0.2	2	0.8	0.63	0.0	
1987	0	0.0	0.00	0.0	10	2.8	4.57	1.2	10	2.1	4.57	0.1	
TOTAL		3	0.3	1.45	0.0	145	3.3	62.04	1.8	148	2.7	63.49	0.0
YELLOW PERCH	1978	3	1.3	87.00	0.7	0	0.0	0.00	0.0	3	0.4	87.00	0.7
1985	0	0.0	0.00	0.0	1	0.1	1.84	0.2	1	0.1	1.84	0.0	
TOTAL		3	0.8	87.00	0.3	1	0.1	1.84	0.1	4	0.2	88.84	0.3
LOG PERCH	1987	1	0.9	1.52	0.0	0	0.0	0.00	0.0	1	0.2	1.52	0.0
TOTAL		1	0.9	1.52	0.0	0	0.0	0.00	0.0	1	0.2	1.52	0.0
BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.1	2.14	0.3	1	0.1	2.14	0.0
1978	0	0.0	0.00	0.0	3	0.6	2.82	0.8	3	0.4	2.82	0.0	
1979	0	0.0	0.00	0.0	6	1.0	3.24	0.7	6	0.9	3.24	0.0	
1982	0	0.0	0.00	0.0	3	3.9	2.36	3.6	3	2.8	2.36	0.0	
1983	0	0.0	0.00	0.0	4	1.2	3.22	1.7	4	0.9	3.22	0.0	
1985	0	0.0	0.00	0.0	17	1.4	24.04	2.4	17	1.2	24.04	0.1	
TOTAL		0	0.0	0.00	0.0	34	0.9	37.82	1.4	34	0.8	37.82	0.0
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	3	0.3	2.39	0.4	3	0.3	2.39	0.0
1979	0	0.0	0.00	0.0	1	0.2	0.39	0.1	1	0.1	0.39	0.0	
1985	0	0.0	0.00	0.0	3	0.2	0.98	0.1	3	0.2	0.98	0.0	
TOTAL		0	0.0	0.00	0.0	7	0.2	3.76	0.2	7	0.2	3.76	0.0

APPENDIX D-10. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1977	1	0.4	90.00	0.2	0	0.0	0.00	0.0	1	0.2	90.00	0.2	
	1978	1	0.3	190.00	1.1	0	0.0	0.00	0.0	1	0.3	190.00	1.1	
	1986	0	0.0	0.00	0.0	1	1.3	0.54	0.1	1	0.3	0.54	0.0	
	TOTAL	2	0.2	280.00	0.3	1	0.3	0.54	0.1	3	0.2	280.54	0.3	
BOWFIN	1978	1	0.3	66.00	0.4	0	0.0	0.00	0.0	1	0.3	66.00	0.4	
	TOTAL	1	0.3	66.00	0.4	0	0.0	0.00	0.0	1	0.3	66.00	0.4	
GIZZARD SHAD	1977	1	0.4	5.23	0.0	2	0.7	0.93	0.2	3	0.5	6.16	0.0	
	1978	54	14.4	431.66	2.5	0	0.0	0.00	0.0	54	14.0	431.66	2.5	
	1981	5	1.6	22.00	0.0	0	0.0	0.00	0.0	5	1.5	22.00	0.0	
	1982	7	7.2	637.75	2.6	0	0.0	0.00	0.0	7	4.0	637.75	2.5	
	1983	1	0.9	240.00	0.8	0	0.0	0.00	0.0	1	0.3	240.00	0.8	
	1984	1	0.8	198.00	0.5	0	0.0	0.00	0.0	1	0.4	198.00	0.5	
	1985	1	0.4	4.80	0.0	0	0.0	0.00	0.0	1	0.2	4.80	0.0	
	1986	2	0.7	255.00	1.0	0	0.0	0.00	0.0	2	0.6	255.00	0.9	
	1987	8	3.7	576.58	1.9	0	0.0	0.00	0.0	8	2.7	576.58	1.9	
	TOTAL	80	3.9	2371.02	0.7	2	0.1	0.93	0.1	82	2.4	2371.95	0.7	
	GRASS PICKEREL	1978	6	1.6	106.00	0.6	0	0.0	0.00	0.0	6	1.6	106.00	0.6
		1981	0	0.0	0.00	0.0	1	4.3	2.04	0.6	1	0.3	2.04	0.0
		1985	1	0.4	62.00	0.1	0	0.0	0.00	0.0	1	0.2	62.00	0.1
1986		0	0.0	0.00	0.0	3	3.9	60.19	13.2	3	0.8	60.19	0.2	
1987		0	0.0	0.00	0.0	1	1.3	5.08	11.4	1	0.3	5.08	0.0	
TOTAL		7	0.5	168.00	0.1	5	0.9	67.31	7.2	12	0.6	235.31	0.1	
NORTHERN PIKE	1978	1	0.3	37.00	0.2	0	0.0	0.00	0.0	1	0.3	37.00	0.2	
	1981	1	0.3	525.00	0.7	0	0.0	0.00	0.0	1	0.3	525.00	0.7	
	1982	1	1.0	30.00	0.1	0	0.0	0.00	0.0	1	0.6	30.00	0.1	
	1984	1	0.8	49.00	0.1	0	0.0	0.00	0.0	1	0.4	49.00	0.1	
	TOTAL	5	0.4	950.00	0.8	0	0.0	0.00	0.0	5	0.3	950.00	0.8	
CARP	1977	10	3.8	11285.50	21.9	0	0.0	0.00	0.0	10	1.8	11285.50	21.8	
	1978	3	0.8	3515.00	20.5	0	0.0	0.00	0.0	3	0.8	3515.00	20.5	
	1979	6	2.2	6560.00	21.8	0	0.0	0.00	0.0	6	1.7	6560.00	21.6	
	1981	12	3.9	8819.00	11.5	0	0.0	0.00	0.0	12	3.7	8819.00	11.5	
	1982	3	3.1	2140.00	8.6	0	0.0	0.00	0.0	3	1.7	2140.00	8.5	
	1984	1	0.8	1100.00	2.7	0	0.0	0.00	0.0	1	0.4	1100.00	2.7	
	TOTAL	35	2.4	33419.50	13.9	0	0.0	0.00	0.0	35	1.7	33419.50	13.8	
HORNYHEAD CHUB	1977	0	0.0	0.00	0.0	1	0.3	0.16	0.0	1	0.2	0.16	0.0	
	1978	0	0.0	0.00	0.0	1	9.1	0.25	5.0	1	0.3	0.25	0.0	
	1979	0	0.0	0.00	0.0	3	4.1	1.24	0.3	3	0.9	1.24	0.0	
	TOTAL	0	0.0	0.00	0.0	5	1.3	1.65	0.2	5	0.4	1.65	0.0	
EMERALD SHINER	1977	2	0.8	12.19	0.0	0	0.0	0.00	0.0	2	0.4	12.19	0.0	
	1985	0	0.0	0.00	0.0	5	1.3	0.35	0.4	5	0.8	0.35	0.0	
	TOTAL	2	0.4	12.19	0.0	5	0.7	0.35	0.1	7	0.6	12.54	0.0	
STRIPED SHINER	1977	0	0.0	0.00	0.0	2	0.7	1.84	0.5	2	0.4	1.84	0.0	
	1978	3	0.8	17.35	0.1	6	54.5	1.45	28.9	9	2.3	18.80	0.1	
	1979	0	0.0	0.00	0.0	13	17.6	2.79	0.8	13	3.8	2.79	0.0	
	1981	0	0.0	0.00	0.0	1	4.3	0.27	0.1	1	0.3	0.27	0.0	
	1982	1	1.0	7.07	0.0	43	56.6	39.44	66.8	44	25.4	46.51	0.2	
	1983	0	0.0	0.00	0.0	248	90.5	76.30	90.5	248	64.4	76.30	0.2	
	1984	0	0.0	0.00	0.0	111	86.0	24.50	81.7	111	42.7	24.50	0.1	
	1985	3	1.1	17.79	0.0	137	35.5	49.92	53.3	140	21.3	67.71	0.1	
	1986	1	0.4	5.20	0.0	23	29.9	5.68	1.2	24	6.8	10.88	0.0	
	1987	8	3.7	4.60	0.0	28	35.4	8.10	18.2	36	12.2	12.70	0.0	
	TOTAL	16	0.7	52.01	0.0	612	42.6	210.29	11.3	628	16.8	262.30	0.1	
	ROSYFACE SHINER	1977	1	0.4	6.09	0.0	14	4.6	6.39	1.7	15	2.6	12.48	0.0
		1979	0	0.0	0.00	0.0	19	25.7	6.33	1.7	19	5.5	6.33	0.0
1982		0	0.0	0.00	0.0	30	39.5	12.06	20.4	30	17.3	12.06	0.0	
1983		1	0.9	0.78	0.0	3	1.1	0.17	0.2	4	1.0	0.95	0.0	
1984		0	0.0	0.00	0.0	1	0.8	0.22	0.7	1	0.4	0.22	0.0	
1985		2	0.7	0.70	0.0	23	6.0	3.00	3.2	25	3.8	3.70	0.0	
1987		5	2.3	5.83	0.0	1	1.3	0.03	0.1	6	2.0	5.86	0.0	
TOTAL		9	0.7	13.40	0.0	91	6.9	28.20	2.7	100	3.7	41.60	0.0	
SPOTFIN SHINER		1977	11	4.2	47.53	0.1	110	35.8	97.21	25.5	121	21.3	144.74	0.3
		1978	5	1.3	17.12	0.1	1	9.1	1.28	25.5	6	1.6	18.40	0.1
	1979	1	0.4	1.97	0.0	8	10.8	8.78	2.4	9	2.6	10.75	0.0	
	1981	1	0.3	3.50	0.0	11	47.8	14.13	4.3	12	3.7	17.63	0.0	
	1982	2	2.1	7.76	0.0	1	1.3	4.00	6.8	3	1.7	11.76	0.0	
	1983	9	8.1	30.34	0.1	4	1.5	1.85	2.2	13	3.4	32.19	0.1	
	1984	0	0.0	0.00	0.0	8	6.2	4.63	15.4	8	3.1	4.63	0.0	
	1985	22	8.1	86.36	0.2	7	1.8	0.55	0.6	29	4.4	86.91	0.2	
	1987	22	10.2	31.36	0.1	31	39.2	11.15	25.1	53	18.0	42.51	0.1	
	TOTAL	73	3.6	225.94	0.1	181	13.3	143.58	10.3	254	7.5	369.52	0.1	
	SAND SHINER	1977	0	0.0	0.00	0.0	21	6.8	2.68	0.7	21	3.7	2.68	0.0
		1979	0	0.0	0.00	0.0	1	1.4	0.22	0.1	1	0.3	0.22	0.0
		1986	4	1.4	3.56	0.0	0	0.0	0.00	0.0	4	1.1	3.56	0.0
TOTAL		4	0.5	3.56	0.0	22	4.8	2.90	0.2	26	2.1	6.46	0.0	
REDFIN SHINER	1977	0	0.0	0.00	0.0	8	2.6	1.19	0.3	8	1.4	1.19	0.0	
	1987	1	0.5	0.86	0.0	0	0.0	0.00	0.0	1	0.3	0.86	0.0	
	TOTAL	1	0.2	0.86	0.0	8	2.1	1.19	0.3	9	1.0	2.05	0.0	
MIMIC SHINER	1986	1	0.4	0.54	0.0	0	0.0	0.00	0.0	1	0.3	0.54	0.0	
	1987	7	3.3	6.53	0.0	3	3.8	2.17	4.9	10	3.4	8.70	0.0	
	TOTAL	8	1.6	7.07	0.0	3	1.9	2.17	0.4	11	1.7	9.24	0.0	
SUCKERMOUTH MINNOW	1979	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0	
	TOTAL	1	0.4	0.65	0.0	0	0.0	0.00	0.0	1	0.3	0.65	0.0	
BLUNTNOSE MINNOW	1977	3	1.2	11.33	0.0	27	8.8	21.25	5.6	30	5.3	32.58	0.1	
	1978	31	8.3	62.76	0.4	2	18.2	1.55	30.9	33	8.5	64.31	0.4	
	1979	6	2.2	26.32	0.1	17	23.0	14.31	3.9	23	6.6	40.63	0.1	
	1981	1	0.3	2.90	0.0	2	8.7	1.53	0.5	3	0.9	4.43	0.0	
	1982	1	1.0	4.50	0.0	1	1.3	2.46	4.2	2	1.2	6.96	0.0	
	1985	4	1.5	9.62	0.0	5	1.3	1.66	1.8	9	1.4	11.28	0.0	
	1986	11	4.0	19.11	0.1	11	14.3	10.34	2.3	22	6.2	29.45	0.1	
	TOTAL	67	2.8	139.18	0.0	71	6.9	59.97	3.4	130	4.2	199.15	0.1	

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
FATHEAD MINNOW	1981	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
	TOTAL	1	0.3	3.80	0.0	0	0.0	0.00	0.0	1	0.3	3.80	0.0
BULLHEAD MINNOW	1977	1	0.4	2.52	0.0	24	7.8	9.80	2.6	25	4.4	12.32	0.0
	1978	1	0.3	1.88	0.0	0	0.0	0.00	0.0	1	0.3	1.88	0.0
	1979	1	0.4	3.25	0.0	0	0.0	0.00	0.0	1	0.3	3.25	0.0
	1983	1	0.9	2.91	0.0	0	0.0	0.00	0.0	1	0.3	2.91	0.0
	1985	4	1.5	11.97	0.0	0	0.0	0.00	0.0	4	0.6	11.97	0.0
	TOTAL	8	0.6	22.53	0.0	24	2.3	9.80	1.0	32	1.4	32.33	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	60	19.5	3.23	0.8	60	10.6	3.23	0.0
	1983	0	0.0	0.00	0.0	15	5.5	0.68	0.8	15	3.9	0.68	0.0
	1984	0	0.0	0.00	0.0	5	3.9	0.34	1.1	5	1.9	0.34	0.0
	TOTAL	0	0.0	0.00	0.0	80	11.3	4.25	0.9	80	6.6	4.25	0.0
QUILLBACK	1977	5	1.9	3184.00	6.2	0	0.0	0.00	0.0	5	0.9	3184.00	6.1
	1978	5	1.3	2014.00	11.8	0	0.0	0.00	0.0	5	1.3	2014.00	11.8
	1979	7	2.6	1358.00	4.5	0	0.0	0.00	0.0	7	2.0	1358.00	4.5
	1981	1	0.3	600.00	0.8	0	0.0	0.00	0.0	1	0.3	600.00	0.8
	1982	5	5.2	2220.00	8.9	0	0.0	0.00	0.0	5	2.9	2220.00	8.9
	1983	31	27.9	15742.00	50.3	0	0.0	0.00	0.0	31	8.1	15742.00	50.2
	1984	20	15.3	11306.00	27.8	0	0.0	0.00	0.0	20	7.7	11306.00	27.8
	1985	18	6.6	9705.00	20.4	0	0.0	0.00	0.0	18	2.7	9705.00	20.4
	1986	3	1.1	1785.00	6.7	0	0.0	0.00	0.0	3	0.8	1785.00	6.6
	1987	6	2.8	4330.00	14.4	0	0.0	0.00	0.0	6	2.0	4330.00	14.4
	TOTAL	101	4.4	52244.00	13.9	0	0.0	0.00	0.0	101	2.7	52244.00	13.8
NORTHERN HOGSUCKER	1979	2	0.7	1046.00	3.5	0	0.0	0.00	0.0	2	0.6	1046.00	3.4
	1981	4	1.3	1365.00	1.8	0	0.0	0.00	0.0	4	1.2	1365.00	1.8
	1982	5	5.2	2005.00	8.0	0	0.0	0.00	0.0	5	2.9	2005.00	8.0
	1983	3	2.7	1186.00	3.8	0	0.0	0.00	0.0	3	0.8	1186.00	3.8
	1984	12	9.2	5204.00	12.8	0	0.0	0.00	0.0	12	4.6	5204.00	12.8
	1985	7	2.6	2279.00	4.8	0	0.0	0.00	0.0	7	1.1	2279.00	4.8
	1986	4	1.4	401.00	1.3	0	0.0	0.00	0.0	4	1.1	401.00	1.5
	1987	4	1.9	1050.00	3.5	0	0.0	0.00	0.0	4	1.4	1050.00	3.5
	TOTAL	41	2.4	14536.00	4.7	0	0.0	0.00	0.0	41	1.5	14536.00	4.7
BIGHOUTH BUFFALO	1979	1	0.4	2155.00	7.2	0	0.0	0.00	0.0	1	0.3	2155.00	7.1
	TOTAL	1	0.4	2155.00	7.2	0	0.0	0.00	0.0	1	0.3	2155.00	7.1
SPOTTED SUCKER	1985	1	0.4	0.91	0.0	0	0.0	0.00	0.0	1	0.2	0.91	0.0
	TOTAL	1	0.4	0.91	0.0	0	0.0	0.00	0.0	1	0.2	0.91	0.0
SILVER REDHORSE	1977	3	1.2	795.27	1.5	0	0.0	0.00	0.0	3	0.5	795.27	1.5
	1978	1	0.3	54.00	0.3	0	0.0	0.00	0.0	1	0.3	54.00	0.3
	1979	2	0.7	1503.00	5.0	0	0.0	0.00	0.0	2	0.6	1503.00	4.9
	1981	13	4.3	6083.00	8.0	0	0.0	0.00	0.0	13	4.0	6083.00	7.9
	1982	7	7.2	7020.00	28.1	0	0.0	0.00	0.0	7	4.0	7020.00	28.0
	1983	7	6.3	4085.00	13.1	0	0.0	0.00	0.0	7	1.8	4085.00	13.0
	1984	7	5.3	7535.00	18.5	0	0.0	0.00	0.0	7	2.7	7535.00	18.5
	1985	1	0.4	185.00	0.4	0	0.0	0.00	0.0	1	0.2	185.00	0.4
	1986	2	0.7	2860.00	10.8	0	0.0	0.00	0.0	2	0.6	2860.00	10.6
	TOTAL	43	2.0	30120.27	8.7	0	0.0	0.00	0.0	43	1.2	30120.27	8.7
RIVER REDHORSE	1977	17	6.5	1872.00	3.6	1	0.3	2.52	0.7	18	3.2	1874.52	3.6
	1978	3	0.8	203.00	1.2	0	0.0	0.00	0.0	3	0.8	203.00	1.2
	1979	20	7.4	492.30	1.6	0	0.0	0.00	0.0	20	5.8	492.30	1.6
	1981	5	1.6	2099.00	2.7	0	0.0	0.00	0.0	5	1.5	2099.00	2.7
	1982	3	3.1	1590.00	6.4	0	0.0	0.00	0.0	3	1.7	1590.00	6.3
	1983	1	0.9	56.00	0.2	0	0.0	0.00	0.0	1	0.3	56.00	0.2
	1985	1	0.4	45.00	0.1	0	0.0	0.00	0.0	1	0.2	45.00	0.1
	1986	29	10.5	2374.18	8.9	0	0.0	0.00	0.0	29	8.2	2374.18	8.8
	1987	11	5.1	1776.00	5.9	0	0.0	0.00	0.0	11	3.7	1776.00	5.9
	TOTAL	90	4.1	10507.48	3.1	1	0.1	2.52	0.1	91	2.6	10510.00	3.1
GOLDEN REDHORSE	1977	38	14.6	10406.00	20.2	0	0.0	0.00	0.0	38	6.7	10406.00	20.1
	1978	11	2.9	581.00	3.4	0	0.0	0.00	0.0	11	2.8	581.00	3.4
	1979	50	18.4	4623.68	15.4	1	1.4	13.24	3.6	51	14.7	4636.92	15.2
	1981	70	23.0	11136.90	14.6	0	0.0	0.00	0.0	70	21.4	11136.90	14.5
	1982	11	11.3	1938.00	7.8	0	0.0	0.00	0.0	11	6.4	1938.00	7.7
	1983	16	14.4	5629.00	18.0	0	0.0	0.00	0.0	16	4.2	5629.00	17.9
	1984	37	28.2	6473.00	15.9	0	0.0	0.00	0.0	37	14.2	6473.00	15.9
	1985	51	18.8	12331.51	25.9	0	0.0	0.00	0.0	51	7.8	12331.51	25.9
	1986	74	26.7	8139.46	30.6	3	3.9	56.74	12.5	77	21.8	8196.20	30.3
	1987	56	26.0	7569.43	25.2	0	0.0	0.00	0.0	56	19.0	7569.43	25.2
	TOTAL	414	17.9	68827.98	18.3	4	0.3	69.98	3.8	418	11.1	68897.96	18.2
SHORTHEAD REDHORSE	1977	27	10.4	6797.34	13.2	0	0.0	0.00	0.0	27	4.8	6797.34	13.1
	1978	2	0.5	27.32	0.2	0	0.0	0.00	0.0	2	0.5	27.32	0.2
	1979	9	3.3	1151.80	3.8	0	0.0	0.00	0.0	9	2.6	1151.80	3.8
	1981	67	22.0	28420.00	37.2	0	0.0	0.00	0.0	67	20.5	28420.00	37.0
	1982	5	5.2	1650.00	6.6	0	0.0	0.00	0.0	5	2.9	1650.00	6.6
	1983	2	1.8	130.00	0.4	0	0.0	0.00	0.0	2	0.5	130.00	0.4
	1984	4	3.1	210.00	0.5	0	0.0	0.00	0.0	4	1.3	210.00	0.5
	1985	13	4.8	2788.07	9.9	0	0.0	0.00	0.0	13	2.0	2788.07	9.9
	1986	24	8.7	846.00	3.2	0	0.0	0.00	0.0	24	6.8	846.00	3.1
	1987	1	0.5	56.00	0.2	0	0.0	0.00	0.0	1	0.3	56.00	0.2
	TOTAL	154	6.7	42076.53	11.2	0	0.0	0.00	0.0	154	4.1	42076.53	11.1
UNIDENTIFIED REDHORSE	1977	10	3.8	39.84	0.1	0	0.0	0.00	0.0	10	1.8	39.84	0.1
	1978	17	4.5	14.14	0.1	0	0.0	0.00	0.0	17	4.4	14.14	0.1
	1979	1	0.4	1.02	0.0	2	2.7	1.14	0.3	3	0.9	2.16	0.0
	TOTAL	28	3.1	55.00	0.1	2	0.5	1.14	0.2	30	2.3	56.14	0.1
BLACK BULLHEAD	1981	1	0.3	140.00	0.2	0	0.0	0.00	0.0	1	0.3	140.00	0.2
	TOTAL	1	0.3	140.00	0.2	0	0.0	0.00	0.0	1	0.3	140.00	0.2
CHANNEL CATFISH	1977	7	2.7	3132.16	6.1	0	0.0	0.00	0.0	7	1.2	3132.16	6.0
	1979	2	0.7	1015.00	3.4	0	0.0	0.00	0.0	2	0.6	1015.00	3.3
	1981	1	0.3	2530.00	3.3	0	0.0	0.00	0.0	1	0.3	2530.00	3.3
	1984	2	1.5	2637.00	6.5	0	0.0	0.00	0.0	2	0.8	2637.00	6.5
	1987	1	0.5	3648.00	12.1	0	0.0	0.00	0.0	1	0.3	3648.00	12.1
	TOTAL	13	1.1	12962.16	5.7	0	0.0	0.00	0.0	13	0.7	12962.16	5.6
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APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES		ELECTROFISHING			SEINING			TOTAL					
		NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)			
BROOK SILVERSIDE	1977	0	0.0	0.00	18	5.9	8.59	2.3	18	3.2	9.59	0.0	
	1984	0	0.0	0.00	4	3.1	0.31	1.0	4	1.5	0.31	0.0	
	1985	0	0.0	0.00	207	53.6	28.16	30.1	207	31.5	28.16	0.1	
	1986	0	0.0	0.00	4	5.2	0.65	0.1	4	1.1	0.65	0.0	
	1987	3	1.4	5.84	0	0.0	0.00	0.0	3	1.0	5.84	0.0	
	TOTAL	3	0.3	5.84	233	23.8	37.71	3.8	236	11.1	43.55	0.0	
ROCK BASS	1977	38	14.6	3831.00	7.4	1	0.3	0.68	39	6.9	3831.68	7.4	
	1978	38	10.1	3334.00	19.5	0	0.0	0.00	38	9.8	3334.00	19.5	
	1979	43	15.8	3269.00	10.9	2	2.7	240.00	45	13.0	3509.00	11.5	
	1981	51	16.8	7666.00	10.0	0	0.0	0.00	51	15.6	7666.00	10.0	
	1982	4	4.1	729.00	2.9	0	0.0	0.00	4	2.3	729.00	2.9	
	1983	3	2.7	380.00	1.2	0	0.0	0.00	3	0.8	380.00	1.2	
	1984	3	2.3	325.00	0.8	0	0.0	0.00	3	1.2	325.00	0.8	
	1985	21	7.7	2060.00	4.3	0	0.0	0.00	21	3.2	2060.00	4.3	
	1986	38	13.7	5040.72	19.0	3	3.9	82.00	41	11.6	5122.72	19.3	
	1987	25	11.6	3261.00	10.9	0	0.0	0.00	25	8.5	3261.00	10.8	
	TOTAL	264	11.4	29895.72	7.9	6	0.4	322.68	270	7.2	30218.40	8.0	
GREEN SUNFISH	1977	3	1.2	43.00	0.1	1	0.3	0.22	4	0.7	43.22	0.1	
	1978	31	8.3	483.91	2.8	0	0.0	0.00	31	8.0	483.91	2.8	
	1979	10	3.7	196.00	0.7	0	0.0	0.00	10	2.9	196.00	0.6	
	1981	13	4.3	233.00	0.3	0	0.0	0.00	13	4.0	233.00	0.3	
	1982	6	6.2	75.03	0.3	0	0.0	0.00	6	3.5	75.03	0.3	
	1983	2	1.8	67.00	0.2	0	0.0	0.00	2	0.5	67.00	0.2	
	1986	1	0.4	5.58	0.0	1	1.3	78.00	2	0.6	83.58	0.3	
	1987	1	0.5	1.12	0.0	0	0.0	0.00	1	0.3	1.12	0.0	
	TOTAL	67	3.5	1104.64	0.4	2	0.2	78.22	69	2.4	1182.86	0.4	
	ORANGESPOTTED SUNFISH	1977	2	0.8	15.97	0.0	4	1.3	0.88	6	1.1	16.85	0.0
1978		5	1.3	30.00	0.2	0	0.0	0.00	5	1.3	30.00	0.2	
1979		5	1.8	43.93	0.1	0	0.0	0.00	5	1.4	43.93	0.1	
1981		3	1.0	15.00	0.0	0	0.0	0.00	3	0.9	15.00	0.0	
1982		1	1.0	10.00	0.0	0	0.0	0.00	1	0.6	10.00	0.0	
1986		5	1.8	33.45	0.1	3	3.9	14.54	8	2.3	47.99	0.2	
1987		3	1.4	36.00	0.1	0	0.0	0.00	3	1.0	36.00	0.1	
TOTAL		24	1.3	184.35	0.1	7	1.1	15.42	31	1.3	199.77	0.1	
BLUEGILL		1977	0	0.0	0.00	0.0	3	1.0	0.62	3	0.5	0.62	0.0
		1978	6	1.6	67.00	0.4	0	0.0	0.00	6	1.6	67.00	0.4
	1982	2	2.1	32.00	0.1	0	0.0	0.00	2	1.2	32.00	0.1	
	1983	1	0.9	11.44	0.0	0	0.0	0.00	1	0.3	11.44	0.0	
	1986	1	0.4	0.87	0.0	8	10.4	38.40	9	2.5	39.27	0.1	
	1987	2	0.9	6.23	0.0	2	2.5	9.88	4	1.4	16.11	0.1	
TOTAL	12	0.9	117.54	0.1	13	1.6	48.90	25	1.2	166.44	0.1		
CENTRAL LONGEAR SUNFISH	1977	2	0.8	24.02	0.0	0	0.0	0.00	2	0.4	24.02	0.0	
TOTAL	2	0.8	24.02	0.0	0	0.0	0.00	2	0.4	24.02	0.0		
NORTHERN LONGEAR SUNFISH	1977	22	8.5	394.87	0.8	0	0.0	0.00	22	3.9	394.87	0.8	
TOTAL	22	8.5	394.87	0.8	0	0.0	0.00	22	3.9	394.87	0.8		
LONGEAR SUNFISH	1978	77	20.5	1458.00	8.5	0	0.0	0.00	77	19.9	1458.00	8.5	
	1979	36	13.2	809.73	2.7	4	5.4	77.98	40	11.6	887.71	2.9	
	1981	23	7.6	533.00	0.7	2	8.7	7.98	25	7.6	540.98	0.7	
	1982	11	11.3	301.00	1.2	0	0.0	0.00	11	6.4	301.00	1.2	
	1983	3	2.7	57.82	0.2	0	0.0	0.00	3	0.8	57.82	0.2	
	1984	3	2.3	39.00	0.1	0	0.0	0.00	3	1.2	39.00	0.1	
	1985	7	2.6	101.26	0.2	0	0.0	0.00	7	1.1	101.26	0.2	
	1986	16	5.8	244.40	0.9	9	11.7	104.11	25	7.1	348.51	1.3	
	1987	9	4.2	184.26	0.6	0	0.0	0.00	9	3.1	184.26	0.6	
	TOTAL	185	9.0	3728.47	1.1	15	1.3	190.07	200	6.3	3918.54	1.2	
ORANGESPOTTED XLONGEAR SUNFISH	1981	1	0.3	9.00	0.0	0	0.0	0.00	1	0.3	9.00	0.0	
TOTAL	1	0.3	9.00	0.0	0	0.0	0.00	1	0.3	9.00	0.0		
UNIDENTIFIED SUNFISH	1981	0	0.0	0.00	0.0	3	13.0	0.36	3	0.9	0.36	0.0	
	1983	0	0.0	0.00	0.0	1	0.4	0.15	1	0.3	0.15	0.0	
	TOTAL	0	0.0	0.00	0.0	4	1.3	0.51	4	0.6	0.51	0.0	
SMALLMOUTH BASS	1977	48	18.5	9306.00	18.1	1	0.3	3.28	49	8.6	9309.28	18.0	
	1978	61	16.3	4244.21	24.8	0	0.0	0.00	61	15.8	4244.21	24.8	
	1979	63	23.2	5428.89	18.1	0	0.0	0.00	63	18.2	5428.89	17.8	
	1981	14	4.6	2978.00	3.9	0	0.0	0.00	14	4.3	2978.00	3.9	
	1982	19	19.6	4427.00	17.7	0	0.0	0.00	19	11.0	4427.00	17.7	
	1983	25	22.5	3170.00	10.1	0	0.0	0.00	25	6.5	3170.00	10.1	
	1984	40	30.5	5558.00	13.7	0	0.0	0.00	40	15.4	5558.00	13.7	
	1985	112	41.3	17865.15	37.6	2	0.5	9.98	114	17.4	17875.13	37.5	
	1986	58	20.9	3780.82	14.2	0	0.0	0.00	58	16.4	3780.82	14.0	
	1987	36	16.7	6492.00	21.6	0	0.0	0.00	36	12.2	6492.00	21.6	
	TOTAL	476	20.6	63250.07	16.8	3	0.2	13.26	479	12.8	63263.33	16.7	
LARGEMOUTH BASS	1977	7	2.7	137.00	0.3	1	0.3	28.85	8	1.4	165.85	0.3	
	1978	11	2.9	159.51	0.9	0	0.0	0.00	11	2.8	159.51	0.9	
	1979	1	0.4	3.59	0.0	1	1.4	3.00	2	0.6	6.59	0.0	
	1981	3	1.0	345.00	0.5	0	0.0	0.00	3	0.9	345.00	0.4	
	1982	2	2.1	6.92	0.0	0	0.0	0.00	2	1.2	6.92	0.0	
	1983	1	0.9	7.00	0.0	0	0.0	0.00	1	0.2	7.00	0.0	
	1985	1	0.4	7.32	0.0	0	0.0	0.00	1	0.2	7.32	0.0	
	1987	2	0.9	53.64	0.2	0	0.0	0.00	2	0.7	53.64	0.2	
	TOTAL	28	1.5	719.98	0.2	2	0.2	31.85	30	1.0	751.83	0.2	
	WHITE CRAPPIE	1977	1	0.4	2.51	0.0	0	0.0	0.00	1	0.2	2.51	0.0
1979		2	0.7	163.00	0.5	0	0.0	0.00	2	0.6	163.00	0.5	
1981		10	3.3	998.00	1.3	3	13.0	305.00	13	4.0	1303.00	1.7	
1982		1	1.0	162.00	0.6	0	0.0	0.00	1	0.6	162.00	0.6	
1983		2	1.8	313.00	1.0	0	0.0	0.00	2	0.5	313.00	1.0	
TOTAL	16	1.5	1638.51	0.8	3	0.4	305.00	19	1.1	1943.51	0.9		
BLACK CRAPPIE	1977	0	0.0	0.00	0.0	6	2.0	190.04	6	1.1	190.04	0.4	
	1978	0	0.0	0.00	0.0	1	9.1	0.49	1	0.3	0.49	0.7	
	1979	2	0.7	201.00	0.7	1	1.4	1.28	3	0.9	202.28	0.7	
	1981	2	0.7	621.00	0.8	0	0.0	0.00	2	0.6	621.00	0.8	
	1982	0	0.0	0.00	0.0	1	1.3	1.09	1	0.6	1.09	0.0	
	1986	2	0.7	442.00	1.7	0	0.0	0.00	2	0.6	442.00	1.6	
	TOTAL	6	0.4	1264.00	0.6	9	1.6	192.90	15	0.7	1456.90	0.6	
JOHNNY DARTER	1977	0	0.0	0.00	0.0	2	0.7	0.58	2	0.4	0.58	0.0	
	1978	1	0.3	0.41	0.0	0	0.0	0.00	1	0.3	0.41	0.0	
	1979	0	0.0	0.00	0.0	2	2.7	0.62	2	0.6	0.62	0.0	
	1987	0	0.0	0.00	0.0	1	1.3	0.35	1	0.3	0.35	0.0	
TOTAL	1	0.1	0.41	0.0	5	1.1	1.55	6	0.4	1.56	0.0		
YELLOW PERCH	1979	1	0.4	0.94	0.0	0	0.0	0.00	1	0.3	0.94	0.0	
	TOTAL	1	0.4	0.94	0.0	0	0.0	0.00	1	0.3	0.94	0.0	

APPENDIX D-10 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6L OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
LOG PERCH	1987	1	0.5	3.21	0.0	0	0.0	0.00	0.0	1	0.3	3.21	0.0
	TOTAL	1	0.5	3.21	0.0	0	0.0	0.00	0.0	1	0.3	3.21	0.0
SLENDERHEAD DARTER	1985	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98	0.0
	TOTAL	1	0.4	0.98	0.0	0	0.0	0.00	0.0	1	0.2	0.98	0.0
WALLEYE	1981	1	0.3	1230.00	1.6	0	0.0	0.00	0.0	1	0.3	1230.00	1.6
	1983	1	0.9	160.00	0.5	0	0.0	0.00	0.0	1	0.3	160.00	0.5
	TOTAL	2	0.5	1390.00	1.3	0	0.0	0.00	0.0	2	0.3	1390.00	1.3
FRESHWATER DRUM	1986	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2
	TOTAL	1	0.4	325.00	1.2	0	0.0	0.00	0.0	1	0.3	325.00	1.2

APPENDIX D-11. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD
AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES		ELECTROFISHING				SEINING				TOTAL			
		NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT
LONGNOSE GAR	1977	2	2.5	115.00	0.6	0	0.0	0.00	0.0	2	0.2	115.00	0.6
	1983	0	0.0	0.00	0.0	1	1.4	9.37	17.2	1	0.7	9.37	0.1
	TOTAL	2	1.3	115.00	0.3	1	0.1	9.37	1.0	3	0.2	124.37	0.4
GIZZARD SHAD	1977	1	1.2	9.83	0.1	2	0.2	0.23	0.0	3	0.2	10.06	0.1
	1981	1	0.9	25.00	0.1	0	0.0	0.00	0.0	1	0.5	25.00	0.1
	1982	1	3.7	6.00	0.1	0	0.0	0.00	0.0	1	2.7	6.00	0.1
	1985	1	0.5	21.00	0.1	0	0.0	0.00	0.0	1	0.1	21.00	0.1
	1986	1	1.0	93.00	1.5	0	0.0	0.00	0.0	1	0.4	93.00	1.5
	1987	1	1.6	107.00	1.8	0	0.0	0.00	0.0	1	0.8	107.00	1.8
	TOTAL	6	1.0	261.83	0.3	2	0.1	0.23	0.0	8	0.3	262.06	0.3
GRASS PICKEREL	1981	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.9	2.66	0.5	1	0.5	2.66	0.0
NORTHERN PIKE	1984	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00	6.0
	TOTAL	2	3.4	1021.00	6.0	0	0.0	0.00	0.0	2	2.1	1021.00	6.0
CENTRAL STONEROLLER	1986	0	0.0	0.00	0.0	1	0.7	0.82	0.4	1	0.4	0.82	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.7	0.82	0.4	1	0.4	0.82	0.0
GOLDFISH	1987	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00	0.9
	TOTAL	1	1.6	52.00	0.9	0	0.0	0.00	0.0	1	0.8	52.00	0.9
CARP	1977	2	2.5	3919.00	20.6	0	0.0	0.00	0.0	2	0.2	3919.00	19.7
	1978	2	5.3	1580.00	31.4	0	0.0	0.00	0.0	2	2.5	1580.00	31.0
	1979	1	1.5	630.00	4.6	0	0.0	0.00	0.0	1	0.3	630.00	4.5
	1981	4	3.6	5250.00	15.1	0	0.0	0.00	0.0	4	1.8	5250.00	14.9
	1982	4	14.8	2665.00	27.0	0	0.0	0.00	0.0	4	10.8	2665.00	27.0
	1983	2	2.7	2900.00	20.1	0	0.0	0.00	0.0	2	1.4	2900.00	20.1
	1984	1	1.7	2637.00	15.4	0	0.0	0.00	0.0	1	1.0	2637.00	15.4
TOTAL	18	2.0	810.00	13.3	0	0.0	0.00	0.0	2	0.8	810.00	12.9	
SILVERJAW MINNOW	1979	0	0.0	0.00	0.0	1	0.3	0.34	0.1	1	0.7	0.34	0.1
	TOTAL	0	0.0	0.00	0.0	1	0.3	0.34	0.1	1	0.1	0.34	0.0
HORNYHEAD CHUB	1985	0	0.0	0.00	0.0	1	0.2	1.95	0.3	1	0.1	1.95	0.0
	TOTAL	0	0.0	0.00	0.0	2	0.2	2.29	0.2	2	0.2	2.29	0.0
PALLID CHUB	1979	0	0.0	0.00	0.0	4	1.3	2.97	0.9	4	1.1	2.97	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.24	0.8	1	1.0	0.24	0.0
	1985	0	0.0	0.00	0.0	6	1.1	5.03	0.7	6	0.8	5.03	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.19	0.1	1	0.4	0.19	0.0
TOTAL	0	0.0	0.00	0.0	12	1.1	8.43	0.7	12	0.8	8.43	0.0	
GOLDEN SHINER	1985	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.2	0.07	0.0	1	0.1	0.07	0.0
EMERALD SHINER	1985	1	0.5	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
	TOTAL	1	0.5	8.74	0.1	0	0.0	0.00	0.0	1	0.1	8.74	0.1
STRIPED SHINER	1985	0	0.0	0.00	0.0	3	0.5	0.34	0.0	3	0.4	0.34	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	0.39	0.0	4	0.4	0.39	0.0
RED SHINER	1978	0	0.0	0.00	0.0	6	15.0	2.14	3.4	6	7.7	2.14	0.0
	1979	0	0.0	0.00	0.0	2	0.7	0.56	0.2	2	0.5	0.56	0.0
	1982	0	0.0	0.00	0.0	1	10.0	0.08	0.5	1	2.7	0.08	0.0
	1983	0	0.0	0.00	0.0	26	37.1	7.16	13.2	26	18.2	7.16	0.0
	1984	0	0.0	0.00	0.0	4	10.5	0.56	1.9	4	4.1	0.56	0.0
	1985	3	1.4	9.66	0.1	88	15.6	44.84	6.3	91	11.6	54.50	0.3
	1986	8	8.0	20.57	0.3	2	1.4	0.42	0.2	10	4.1	20.99	0.3
TOTAL	11	1.9	30.23	0.0	129	11.1	55.76	3.9	140	8.0	85.99	0.1	
ROSYFACE SHINER	1983	3	4.1	5.98	0.0	0	0.0	0.00	0.0	3	2.1	5.98	0.0
	1985	2	0.9	10.54	0.1	1	0.2	1.41	0.2	3	0.4	11.95	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.61	1.4	1	0.8	0.61	0.0
	TOTAL	5	1.4	16.52	0.0	2	0.3	2.02	0.2	7	0.7	18.54	0.1
SPOTFIN SHINER	1977	1	1.2	1.05	0.0	5	0.4	2.17	0.2	6	0.5	3.22	0.0
	1979	0	0.0	0.00	0.0	11	3.7	4.42	1.3	11	3.0	4.42	0.0
	1981	0	0.0	0.00	0.0	2	1.9	2.26	0.4	2	0.9	2.26	0.0
	1984	0	0.0	0.00	0.0	1	2.6	0.10	0.3	1	1.0	0.10	0.0
	1985	1	0.5	2.05	0.0	23	4.1	5.53	0.8	24	3.1	7.58	0.0
	1986	3	3.0	5.39	0.1	4	2.8	0.16	0.1	7	2.9	5.55	0.1
	1987	1	1.6	4.66	0.1	0	0.0	0.00	0.0	1	0.8	4.66	0.1
TOTAL	6	0.9	13.15	0.0	46	1.9	14.64	0.5	52	1.7	27.79	0.0	
SAND SHINER	1977	6	7.4	34.32	0.2	159	13.9	84.92	9.2	165	13.5	119.24	0.6
	1978	6	15.8	26.32	0.5	10	25.0	27.48	44.0	16	20.5	53.80	1.1
	1979	4	6.0	16.99	0.1	177	59.0	157.43	45.7	181	49.3	174.42	1.3
	1981	4	3.6	26.68	0.1	26	24.5	22.63	4.0	30	13.8	49.31	0.1
	1982	1	3.7	4.64	0.0	0	0.0	0.00	0.0	1	2.7	4.64	0.0
	1983	29	39.7	127.68	0.9	7	10.0	12.36	22.7	36	25.2	140.04	1.0
	1984	6	10.2	15.71	0.1	23	60.5	22.04	75.3	29	29.9	37.75	0.2
1985	20	9.1	76.88	0.5	99	17.5	147.95	20.8	119	15.2	224.83	1.4	
1986	9	9.0	19.15	0.3	12	8.5	13.07	6.2	21	8.7	32.22	0.5	
1987	8	13.1	12.67	0.2	39	60.0	20.85	47.8	47	37.3	33.52	0.6	
TOTAL	93	11.1	361.04	0.3	552	22.2	508.73	17.2	645	19.4	869.77	0.6	
REDFIN SHINER	1977	0	0.0	0.00	0.0	73	6.4	15.56	1.7	73	6.0	15.56	0.1
	1978	0	0.0	0.00	0.0	3	7.5	0.71	1.1	3	3.8	0.71	0.0
	1979	0	0.0	0.00	0.0	56	18.7	33.60	9.8	56	15.3	33.60	0.2
	1983	0	0.0	0.00	0.0	7	10.0	3.35	6.2	7	4.9	3.35	0.0
	1984	0	0.0	0.00	0.0	6	15.8	3.49	11.9	6	6.2	3.49	0.0
	1985	1	0.5	1.82	0.0	67	11.9	65.87	9.2	68	8.7	67.69	0.4
	1986	2	2.0	2.35	0.0	33	23.2	13.91	6.6	35	14.5	16.26	0.3
TOTAL	3	0.4	4.17	0.0	250	10.6	141.01	5.9	253	8.3	145.18	0.1	
MIMIC SHINER	1977	0	0.0	0.00	0.0	2	0.2	0.44	0.0	2	0.2	0.44	0.0
	1981	0	0.0	0.00	0.0	6	5.7	2.85	0.5	6	2.8	2.85	0.0
	1982	0	0.0	0.00	0.0	1	10.0	1.01	6.3	1	2.7	1.01	0.0
	1985	0	0.0	0.00	0.0	1	0.2	0.89	0.1	1	0.1	0.89	0.0
1986	0	0.0	0.00	0.0	2	1.4	1.83	0.9	2	0.8	1.83	0.0	
1987	0	0.0	0.00	0.0	5	7.7	2.96	6.8	5	4.0	2.96	0.1	
TOTAL	0	0.0	0.00	0.0	15	1.7	9.54	0.6	15	1.1	9.54	0.0	
SUCKERMOUTH MINNOW	1978	0	0.0	0.00	0.0	3	7.5	0.83	1.3	3	3.8	0.83	0.0
	1979	0	0.0	0.00	0.0	5	1.7	2.31	0.7	5	1.4	2.31	0.0
	1981	0	0.0	0.00	0.0	1	0.9	0.44	0.1	1	0.5	0.44	0.0
	1983	0	0.0	0.00	0.0	3	4.3	1.84	3.4	3	2.1	1.84	0.0
	1985	0	0.0	0.00	0.0	3	0.5	3.70	0.8	3	0.4	3.70	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.51	0.2	1	0.4	0.51	0.0
TOTAL	0	0.0	0.00	0.0	16	1.3	11.63	0.6	16	0.9	11.63	0.0	

APPENDIX D-11 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING			SEINING			TOTAL							
	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)	NO.	%NO.	WT(G)					
BLUNTNONE MINNOW	1977	2	2.5	3.68	0.0	97	8.5	59.99	6.5	99	8.1	63.67	0.3	
	1978	0	0.0	0.00	0.0	4	10.0	1.15	1.8	4	5.1	1.15	0.0	
	1979	0	0.0	0.00	0.0	10	3.3	11.28	3.3	10	2.7	11.28	0.1	
	1981	0	0.0	0.00	0.0	12	11.3	9.08	1.6	12	5.5	9.08	0.0	
	1982	0	0.0	0.00	0.0	3	30.0	4.52	28.2	3	8.1	4.52	0.0	
	1983	1	1.4	1.17	0.0	21	30.0	13.92	25.6	22	15.4	15.09	0.1	
	1984	0	0.0	0.00	0.0	2	5.3	2.14	7.3	2	2.1	2.14	0.0	
	1985	9	4.1	21.83	0.1	45	8.0	10.66	4.3	54	6.9	52.49	0.3	
	1986	15	15.0	29.99	0.5	75	52.8	85.32	40.7	90	37.2	115.31	1.8	
	1987	3	4.9	5.89	0.1	12	18.5	13.32	30.5	15	11.9	19.21	0.3	
TOTAL	30	3.6	62.56	0.0	281	11.3	231.38	7.8	311	9.4	293.94	0.2		
FATHEAD MINNOW	1981	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.5	8.00	0.0	
	TOTAL	1	0.9	8.00	0.0	0	0.0	0.00	0.0	1	0.5	8.00	0.0	
BULLHEAD MINNOW	1977	5	6.2	15.43	0.1	188	16.4	157.96	17.1	193	15.7	173.39	0.9	
	1978	1	2.6	2.19	0.0	4	10.0	4.60	7.4	5	6.4	6.79	0.1	
	1979	2	3.0	3.77	0.0	17	5.7	33.14	9.6	19	5.2	36.91	0.3	
	1981	0	0.0	0.00	0.0	19	17.9	17.98	3.1	19	8.7	17.98	0.0	
	1982	0	0.0	0.00	0.0	1	10.0	3.49	21.8	1	2.7	3.49	0.0	
	1983	1	1.4	1.53	0.0	0	0.0	0.00	0.0	1	0.7	1.53	0.0	
	1984	0	0.0	0.00	0.0	1	2.6	0.70	2.4	1	1.0	0.70	0.0	
	1985	18	8.2	53.32	0.3	106	18.8	236.80	33.2	124	15.8	290.12	1.8	
	1986	3	3.0	3.59	0.1	2	1.4	3.67	1.8	5	2.1	7.26	0.1	
	TOTAL	30	3.9	79.83	0.1	338	14.0	457.94	15.7	368	11.5	537.77	0.4	
CREEK CHUB	1978	0	0.0	0.00	0.0	4	10.0	2.44	3.9	4	5.1	2.44	0.0	
	1979	0	0.0	0.00	0.0	6	2.0	5.64	1.6	6	1.6	5.64	0.0	
	1985	0	0.0	0.00	0.0	7	1.2	11.58	1.6	7	0.9	11.58	0.1	
	TOTAL	0	0.0	0.00	0.0	17	1.9	19.66	1.8	17	1.4	19.66	0.1	
	1977	0	0.0	0.00	0.0	530	46.3	35.13	3.8	530	43.2	35.13	0.2	
UNIDENTIFIED MINNOWS	1982	0	0.0	0.00	0.0	1	10.0	0.04	0.3	1	2.7	0.04	0.0	
	TOTAL	0	0.0	0.00	0.0	531	46.0	35.17	3.7	531	42.0	35.17	0.1	
	QUILLBACK	1977	7	8.6	1788.27	9.4	0	0.0	0.00	0.0	7	0.6	1788.27	8.9
		1978	2	5.3	114.00	2.3	0	0.0	0.00	0.0	2	2.6	114.00	2.2
		1979	8	11.9	2282.00	16.8	0	0.0	0.00	0.0	8	2.2	2282.00	16.4
		1981	4	3.6	1775.00	5.1	0	0.0	0.00	0.0	4	1.8	1775.00	5.0
		1982	1	3.7	620.00	6.3	0	0.0	0.00	0.0	1	2.7	620.00	6.3
		1983	7	9.6	5290.00	36.7	0	0.0	0.00	0.0	7	4.9	5290.00	36.6
		1984	11	18.6	6445.00	37.7	0	0.0	0.00	0.0	11	11.3	6445.00	37.6
		1985	3	1.4	2090.00	13.4	0	0.0	0.00	0.0	3	0.4	2090.00	12.8
1986		4	6.6	2410.00	41.2	0	0.0	0.00	0.0	4	3.2	2410.00	40.9	
TOTAL		47	6.4	22814.27	16.9	0	0.0	0.00	0.0	47	1.5	22814.27	16.5	
NORTHERN HOGSUCKER	1981	1	0.9	460.00	1.3	0	0.0	0.00	0.0	1	0.5	460.00	1.3	
	1982	1	3.7	490.00	5.0	0	0.0	0.00	0.0	1	2.7	490.00	5.0	
	1983	2	2.7	540.00	3.7	0	0.0	0.00	0.0	2	1.4	540.00	3.7	
	1985	2	0.9	98.01	0.6	0	0.0	0.00	0.0	2	0.3	98.01	0.6	
	1986	3	3.0	544.00	8.9	0	0.0	0.00	0.0	3	0.2	544.00	8.6	
	TOTAL	9	1.7	2132.01	2.6	0	0.0	0.00	0.0	9	0.6	2132.01	2.6	
	SILVER REDHORSE	1977	3	3.7	2694.91	14.1	0	0.0	0.00	0.0	3	0.2	2694.91	13.4
		1978	3	7.9	1171.04	23.2	1	2.5	0.55	0.9	4	5.1	1171.59	23.0
		1979	1	1.5	2.00	0.0	0	0.0	0.00	0.0	1	0.3	2.00	0.0
		1981	4	3.6	2645.00	7.6	0	0.0	0.00	0.0	4	1.8	2645.00	7.5
1982		0	0.0	0.00	0.0	1	10.0	1.63	10.2	1	2.7	1.63	0.0	
1984		3	5.1	1393.00	8.1	0	0.0	0.00	0.0	3	3.1	1393.00	8.1	
1986		1	1.0	60.00	1.0	0	0.0	0.00	0.0	1	0.4	60.00	1.0	
TOTAL		15	3.1	7965.95	7.6	2	0.1	2.18	0.1	17	0.8	7968.13	7.4	
RIVER REDHORSE		1977	1	1.2	67.00	0.4	0	0.0	0.00	0.0	1	0.1	67.00	0.3
		1979	2	3.0	1005.00	7.4	0	0.0	0.00	0.0	2	0.5	1005.00	7.2
	1981	2	1.8	385.00	1.1	0	0.0	0.00	0.0	2	0.9	385.00	1.1	
	1982	2	7.4	1150.00	11.7	0	0.0	0.00	0.0	2	5.4	1150.00	11.7	
	1985	11	5.0	500.03	3.2	0	0.0	0.00	0.0	11	1.4	500.03	3.1	
	1986	4	4.0	455.00	7.5	0	0.0	0.00	0.0	4	1.7	455.00	7.2	
	1987	2	3.3	295.00	5.0	0	0.0	0.00	0.0	2	1.6	295.00	5.0	
	TOTAL	24	3.6	3857.03	3.7	0	0.0	0.00	0.0	24	0.8	3857.03	3.6	
	GOLDEN REDHORSE	1977	5	6.2	2046.00	10.7	0	0.0	0.00	0.0	5	0.4	2046.00	10.2
		1979	6	9.0	2512.00	18.5	0	0.0	0.00	0.0	6	1.6	2512.00	18.1
1981		30	26.8	9435.00	27.2	2	1.9	105.95	18.8	32	14.7	9540.95	27.1	
1982		5	18.5	1345.00	13.6	0	0.0	0.00	0.0	5	13.5	1345.00	13.6	
1983		2	2.7	1035.00	7.2	0	0.0	0.00	0.0	2	1.4	1035.00	7.2	
1984		12	20.3	3325.00	19.5	0	0.0	0.00	0.0	12	12.4	3325.00	19.4	
1985		43	19.6	5911.58	37.9	70	12.4	94.41	13.3	113	14.4	6005.99	36.9	
1986		6	6.0	1075.51	17.7	0	0.0	0.00	0.0	6	2.5	1075.51	17.1	
1987		3	4.9	1560.00	26.7	0	0.0	0.00	0.0	3	2.4	1560.00	26.5	
TOTAL		112	14.0	28245.09	20.7	72	2.9	200.36	6.9	184	5.7	28445.45	20.4	
SHORTHEAD REDHORSE	1977	10	12.3	4257.46	22.3	0	0.0	0.00	0.0	10	0.8	4257.46	21.2	
	1978	2	5.3	69.00	1.4	0	0.0	0.00	0.0	2	2.6	69.00	1.4	
	1979	3	4.5	1840.00	13.6	0	0.0	0.00	0.0	3	0.8	1840.00	13.2	
	1981	24	21.4	8957.00	25.8	0	0.0	0.00	0.0	24	11.0	8957.00	25.4	
	1982	5	18.5	2520.00	25.6	0	0.0	0.00	0.0	5	13.5	2520.00	25.5	
	1983	7	9.6	2988.00	20.7	0	0.0	0.00	0.0	7	4.9	2988.00	20.7	
	1984	1	1.7	480.00	2.8	0	0.0	0.00	0.0	1	1.0	480.00	2.8	
	1985	6	2.7	152.13	1.0	1	0.2	0.85	0.1	7	0.9	152.98	0.9	
	1986	1	1.0	505.00	8.3	0	0.0	0.00	0.0	1	0.4	505.00	8.0	
	TOTAL	59	7.6	21768.99	16.1	1	0.0	0.85	0.0	60	1.9	21769.44	15.7	
UNIDENTIFIED REDHORSE	1977	1	1.2	4.75	0.0	1	0.1	2.17	0.2	2	0.2	6.92	0.0	
	1979	0	0.0	0.00	0.0	1	0.3	0.61	0.2	1	0.3	0.61	0.0	
	1981	0	0.0	0.00	0.0	4	3.8	1.03	0.2	4	1.8	1.03	0.0	
	TOTAL	1	0.4	4.75	0.0	6	0.4	3.81	0.2	7	0.4	8.56	0.0	
CHANNEL CATFISH	1977	1	1.2	640.00	3.3	0	0.0	0.00	0.0	1	0.3	1890.00	13.6	
	1979	1	1.3	1890.00	13.9	0	0.0	0.00	0.0	1	0.5	3000.00	8.5	
	1981	1	0.9	3000.00	8.7	0	0.0	0.00	0.0	3	0.2	5530.00	8.0	
	TOTAL	3	1.2	5530.00	8.2	0	0.0	0.00	0.0	1	0.3	13.73	0.1	
STONEC	1979	1	1.5	13.73	0.1	0	0.0	0.00	0.0	1	0.1	15.00	0.1	
	1985	1	0.5	15.00	0.1	0	0.0	0.00	0.0	2	0.2	28.73	0.1	
	TOTAL	2	0.7	28.73	0.1	0	0.0	0.00	0.0	2	0.4	0.10	0.0	
BLACKSTRIPED TOPMINNOW	1986	0	0.0											

APPENDIX D-11 (CONT.), TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT STATION 6R OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
ROCK BASS	1977	12	14.8	1222.00	6.4	34	3.0	347.36	37.6	46	3.8	1569.35	7.8
	1978	7	18.4	1178.00	23.4	0	0.0	0.00	0.0	7	9.0	1178.00	23.4
	1979	9	13.4	1041.00	7.7	0	0.0	0.00	0.0	9	2.5	1041.00	7.5
	1981	11	9.8	1291.00	3.7	1	0.9	230.00	40.9	12	5.5	1521.00	4.3
	1982	1	3.7	18.00	0.2	0	0.0	0.00	0.0	1	2.7	18.00	0.2
	1983	3	4.1	310.00	2.2	0	0.0	0.00	0.0	3	2.1	310.00	2.1
	1984	3	5.1	293.00	1.7	0	0.0	0.00	0.0	3	3.1	293.00	1.7
	1985	28	12.8	1876.00	12.0	0	0.0	0.00	0.0	28	3.6	1876.00	11.5
	1986	7	7.0	507.45	8.3	1	0.7	23.00	11.0	8	3.3	530.45	8.4
	1987	8	13.1	316.00	5.4	0	0.0	0.00	0.0	8	6.3	316.00	5.4
	TOTAL	89	10.6	8052.45	5.7	36	1.5	600.36	20.3	125	3.8	8652.81	6.0
GREEN SUNFISH	1977	1	1.2	22.00	0.1	3	0.3	54.66	5.9	4	0.3	76.66	0.4
	1978	1	2.6	6.00	0.1	0	0.0	0.00	0.0	1	1.3	6.00	0.1
	1979	5	7.5	184.00	1.4	0	0.0	0.00	0.0	5	1.4	184.00	1.3
	1981	4	3.6	34.00	0.1	0	0.0	0.00	0.0	4	1.8	34.00	0.1
	1982	2	7.4	16.00	0.2	0	0.0	0.00	0.0	2	5.4	16.00	0.2
	1983	5	6.8	93.00	0.6	1	1.4	0.02	0.0	6	4.2	93.02	0.6
	1984	5	8.5	145.00	0.8	0	0.0	0.00	0.0	5	5.2	145.00	0.8
	1985	3	1.4	155.00	1.0	0	0.0	0.00	0.0	3	0.4	155.00	1.0
	1986	4	4.0	139.00	2.3	1	2.1	0.78	0.1	5	2.8	142.11	2.4
	1987	5	8.2	142.11	2.4	0	0.0	0.00	0.0	5	4.0	142.11	2.4
	TOTAL	35	4.2	936.11	0.7	7	0.3	54.86	1.9	42	1.3	990.97	0.7
ORANGESPOTTED SUNFISH	1977	0	0.0	0.00	0.0	4	0.3	0.66	0.1	4	0.3	0.66	0.0
	1981	1	0.9	1.00	0.0	20	18.9	54.61	9.7	21	9.6	55.61	0.2
	1986	3	3.0	24.31	0.4	0	0.0	0.00	0.0	3	1.2	24.31	0.4
	TOTAL	4	1.4	25.31	0.0	24	1.7	55.27	3.3	28	1.7	80.58	0.1
BLUEGILL	1977	0	0.0	0.00	0.0	4	0.3	1.60	0.2	4	0.3	1.60	0.0
	1979	1	1.5	22.00	0.2	0	0.0	0.00	0.0	1	0.3	22.00	0.2
	1983	1	1.4	29.00	0.2	0	0.0	0.00	0.0	1	0.7	29.00	0.2
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	1985	1	0.5	11.00	0.1	1	0.2	0.15	0.0	2	0.3	11.15	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0.03	0.1	1	0.8	0.03	0.0
	TOTAL	4	0.7	111.00	0.1	6	0.3	1.78	0.1	10	0.4	112.78	0.1
NORTHERN LONGEAR SUNFISH	1977	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
	TOTAL	4	4.9	77.80	0.4	4	0.3	61.47	6.7	8	0.7	139.27	0.7
LONGEAR SUNFISH	1977	0	0.0	0.00	0.0	5	0.4	9.30	1.0	5	0.4	9.30	0.0
	1978	8	21.1	185.00	3.7	1	2.5	15.92	25.5	9	11.5	200.92	3.9
	1979	9	13.4	157.00	1.2	0	0.0	0.00	0.0	9	2.5	157.00	1.1
	1981	5	4.5	128.00	0.4	3	2.8	14.14	2.5	8	3.7	142.14	0.4
	1982	1	3.7	45.00	0.5	0	0.0	0.00	0.0	1	2.7	45.00	0.5
	1983	5	6.8	150.68	1.0	0	0.0	0.00	0.0	5	3.5	150.68	1.0
	1984	6	10.2	86.00	0.5	0	0.0	0.00	0.0	6	6.2	86.00	0.5
	1985	17	7.8	267.90	1.7	0	0.0	0.00	0.0	17	2.2	267.90	1.6
	1986	17	17.0	295.01	4.8	2	1.4	66.00	31.5	19	7.9	361.01	5.7
	1987	14	23.0	185.12	3.2	0	0.0	0.00	0.0	14	11.1	185.12	3.1
	TOTAL	82	9.8	1499.71	1.1	11	0.4	105.36	3.6	93	2.8	1605.07	1.1
UNIDENTIFIED SUNFISH	1977	0	0.0	0.00	0.0	2	0.2	0.08	0.0	2	0.2	0.08	0.0
	1981	1	0.9	0.91	0.0	0	0.0	0.00	0.0	1	0.5	0.91	0.0
	TOTAL	1	0.5	0.91	0.0	2	0.2	0.08	0.0	3	0.2	0.99	0.0
SMALLMOUTH BASS	1977	9	11.1	1907.00	10.0	5	0.4	36.73	4.0	14	1.1	1943.73	9.7
	1978	5	13.2	703.00	13.9	0	0.0	0.00	0.0	5	6.4	703.00	13.8
	1979	8	11.9	1273.26	9.4	0	0.0	0.00	0.0	8	2.2	1273.26	9.2
	1981	6	5.4	649.00	1.9	4	3.8	0.92	0.2	10	4.6	649.92	1.8
	1982	2	7.4	885.00	9.0	1	10.0	2.19	13.7	3	8.1	887.19	9.0
	1983	4	5.5	860.00	6.0	0	0.0	0.00	0.0	4	2.8	860.00	5.9
	1984	6	10.2	564.00	3.3	0	0.0	0.00	0.0	6	6.2	564.00	3.3
	1985	40	18.3	4135.02	26.5	13	2.3	38.63	5.4	53	6.8	4173.65	25.6
	1986	11	11.0	1501.00	24.6	0	0.0	0.00	0.0	11	4.5	1501.00	23.8
	1987	11	18.0	762.13	13.0	0	0.0	0.00	0.0	11	8.7	762.13	12.9
	TOTAL	102	12.2	13239.41	9.4	23	0.9	78.47	2.7	125	3.8	13317.88	9.2
LARGEMOUTH BASS	1977	3	3.7	43.34	0.2	1	0.1	18.30	2.0	4	0.3	61.64	0.3
	1978	1	2.6	5.00	0.1	2	5.0	6.37	10.2	3	3.8	11.37	0.2
	1981	0	0.0	0.00	0.0	1	0.9	0.84	0.1	1	0.5	0.84	0.0
	1982	0	0.0	0.00	0.0	1	10.0	3.04	19.0	1	2.7	3.04	0.0
	1983	0	0.0	0.00	0.0	1	1.4	4.07	7.5	1	0.7	4.07	0.0
	1985	5	2.3	49.91	0.3	0	0.0	0.00	0.0	5	0.6	49.91	0.3
	TOTAL	9	1.6	98.25	0.1	6	0.3	32.62	1.4	15	0.6	130.87	0.1
WHITE CRAPPIE	1979	4	6.0	211.00	1.6	4	1.3	45.01	13.1	8	2.2	256.01	1.8
	1981	5	4.5	350.00	1.0	3	2.8	89.00	15.8	8	3.7	439.00	1.2
	1982	1	3.7	90.00	0.9	0	0.0	0.00	0.0	1	2.7	90.00	0.9
	1983	1	1.4	77.00	0.5	0	0.0	0.00	0.0	1	0.7	77.00	0.5
	1984	1	1.7	49.00	0.3	0	0.0	0.00	0.0	1	1.0	49.00	0.3
	TOTAL	12	3.6	777.00	0.9	7	1.3	134.01	13.3	19	2.2	911.01	1.0
BLACK CRAPPIE	1977	1	1.2	54.00	0.3	7	0.6	27.79	3.0	8	0.7	81.79	0.4
	1979	1	1.5	107.00	0.8	1	0.3	45.00	13.1	2	0.5	152.00	1.1
	1981	3	2.7	238.00	0.7	1	0.9	8.59	1.5	4	1.8	246.59	0.7
	TOTAL	5	1.9	399.00	0.6	9	0.6	81.38	4.4	14	0.8	480.38	0.7
JOHNNY DARTER	1977	0	0.0	0.00	0.0	11	1.0	5.98	0.6	11	0.9	5.98	0.0
	1978	0	0.0	0.00	0.0	1	2.5	0.17	0.3	1	1.3	0.17	0.0
	1979	0	0.0	0.00	0.0	5	1.7	2.05	0.6	5	1.4	2.05	0.0
	1983	0	0.0	0.00	0.0	2	2.9	1.47	2.7	2	1.4	1.47	0.0
	1985	0	0.0	0.00	0.0	4	0.7	2.61	0.4	4	0.5	2.61	0.0
	1986	0	0.0	0.00	0.0	1	0.7	0.20	0.1	1	0.4	0.20	0.0
	1987	0	0.0	0.00	0.0	1	1.5	0.40	0.9	1	0.8	0.40	0.0
	TOTAL	0	0.0	0.00	0.0	25	1.1	12.88	0.5	25	0.8	12.88	0.0
BANDED DARTER	1977	0	0.0	0.00	0.0	1	0.1	0.20	0.0	1	0.1	0.20	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.1	0.20	0.0	1	0.1	0.20	0.0
BLACKSIDE DARTER	1983	0	0.0	0.00	0.0	1	1.4	0.80	1.5	1	0.7	0.80	0.0
	1985	0	0.0	0.00	0.0	3	0.5	3.81	0.5	3	0.4	3.81	0.0
	TOTAL	0	0.0	0.00	0.0	4	0.6	4.61	0.6	4	0.4	4.61	0.0
SLENDERHEAD DARTER	1985	0	0.0	0.00	0.0	11	1.9	11.30	1.6	11	1.4	11.30	0.1
	1987	0	0.0	0.00	0.0	1	1.5	0					

APPENDIX O-12. TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
LONGNOSE GAR	1977	7	0.3	521.00	0.2	0	0.0	0.00	0.0	7	0.1	521.00	0.2	
	1978	4	0.2	249.00	0.2	3	0.2	25.48	1.5	7	0.2	274.48	0.2	
	1979	6	0.4	2059.53	1.2	1	0.0	11.67	0.3	7	0.2	2071.20	1.2	
	1981	6	0.3	717.67	0.2	0	0.0	0.00	0.0	6	0.2	717.67	0.2	
	1982	1	0.1	2.00	0.0	1	0.3	4.82	0.6	2	0.2	6.82	0.0	
	1983	2	0.2	164.00	0.1	1	0.1	9.37	1.1	3	0.1	173.37	0.1	
	1984	0	0.0	0.00	0.0	1	0.1	1.42	0.2	1	0.0	1.42	0.0	
	1985	14	0.5	397.00	0.2	8	0.1	198.00	3.1	22	0.2	595.00	0.3	
	1986	1	0.0	2.00	0.0	2	0.2	1.63	0.0	3	0.1	3.63	0.0	
	1987	6	0.2	186.00	0.1	0	0.0	0.00	0.0	6	0.1	186.00	0.1	
	TOTAL	47	0.2	4298.20	0.2	17	0.1	252.39	0.8	64	0.1	4550.59	0.2	
	BOWFIN	1978	2	0.1	116.00	0.1	0	0.0	0.00	0.0	2	0.1	116.00	0.1
1981		3	0.1	320.00	0.1	0	0.0	0.00	0.0	3	0.1	320.00	0.1	
1982		2	0.3	1510.00	0.7	0	0.0	0.00	0.0	2	0.2	1510.00	0.7	
1987		2	0.1	1465.00	0.9	0	0.0	0.00	0.0	2	0.0	1465.00	0.9	
TOTAL		9	0.1	3411.00	0.4	0	0.0	0.00	0.0	9	0.1	3411.00	0.4	
GIZZARD SHAD		1977	438	18.1	5928.28	2.1	120	1.3	205.07	3.0	558	4.8	6133.35	2.1
	1978	592	25.4	4759.11	3.7	5	0.4	54.97	3.2	597	16.1	4814.08	3.7	
	1979	17	1.2	2318.41	1.3	2	0.1	0.94	0.0	19	0.4	2317.35	1.3	
	1981	164	8.0	10396.09	2.7	15	1.2	49.23	1.3	179	5.5	10445.32	2.7	
	1982	65	9.2	5600.31	2.5	1	0.3	4.97	0.7	66	6.2	5605.28	2.5	
	1983	42	4.1	7269.20	3.5	0	0.0	0.00	0.0	42	1.9	7269.20	3.5	
	1984	42	2.9	6262.99	2.9	1	0.1	1.13	0.1	43	1.5	6263.72	2.9	
	1985	54	2.1	5678.42	2.7	0	0.0	0.00	0.0	54	0.5	5678.42	2.6	
	1986	129	5.0	14697.04	7.2	5	0.5	8.76	0.2	134	3.8	14705.80	7.1	
	1987	203	8.2	23863.76	14.3	80	3.5	23.99	0.9	283	6.0	23887.35	14.1	
	TOTAL	1746	9.1	86771.21	3.9	229	0.8	348.66	1.1	1975	4.2	87119.87	3.9	
	CENTRAL MUDMINNOW	1982	1	0.1	4.44	0.0	0	0.0	0.00	0.0	1	0.1	4.44	0.0
TOTAL		1	0.1	4.44	0.0	0	0.0	0.00	0.0	1	0.1	4.44	0.0	
GRASS PICKEREL	1977	12	0.5	240.00	0.1	6	0.1	119.32	1.7	18	0.2	359.32	0.1	
	1978	34	1.5	750.35	0.6	5	0.4	25.20	1.5	39	1.0	775.55	0.6	
	1979	10	0.7	326.00	0.2	0	0.0	0.00	0.0	10	0.2	326.00	0.2	
	1981	32	1.6	528.00	0.1	10	0.8	78.64	2.2	42	1.3	606.64	0.2	
	1982	0	0.0	0.00	0.0	1	0.3	2.00	0.3	1	0.1	2.00	0.0	
	1983	3	0.3	141.00	0.1	2	0.2	10.82	1.3	5	0.2	151.82	0.1	
	1984	10	0.7	281.91	0.1	2	0.1	25.03	2.7	12	0.4	306.94	0.1	
	1985	6	0.2	494.00	0.2	0	0.0	0.00	0.0	6	0.1	494.00	0.2	
	1986	16	0.6	167.50	0.1	11	1.1	132.92	3.4	27	0.8	300.42	0.1	
	1987	6	0.2	164.55	0.1	3	0.1	31.09	1.2	9	0.2	195.64	0.1	
	TOTAL	129	0.7	3093.31	0.1	40	0.1	425.02	1.4	169	0.4	3518.33	0.2	
	NORTHERN PIKE	1977	6	0.2	1704.00	0.6	0	0.0	0.00	0.0	6	0.1	1704.00	0.6
1978		5	0.2	678.00	0.5	1	0.1	25.00	1.5	6	0.2	703.00	0.5	
1979		11	0.8	2863.00	1.7	1	0.0	30.00	0.9	12	0.3	2893.00	1.6	
1981		13	0.6	6136.00	1.6	3	0.2	265.00	7.3	16	0.5	6401.00	1.6	
1982		9	1.3	6652.00	3.0	1	0.3	335.00	45.1	10	0.9	6987.00	3.2	
1983		5	0.5	2176.00	1.1	0	0.0	0.00	0.0	5	0.2	2176.00	1.1	
1984		12	0.8	2389.00	1.1	0	0.0	0.00	0.0	12	0.4	2389.00	1.1	
1985		5	0.2	1468.00	0.7	0	0.0	0.00	0.0	5	0.1	1468.00	0.7	
1986		8	0.3	2616.00	1.3	0	0.0	0.00	0.0	8	0.2	2616.00	1.3	
1987		9	0.4	7820.00	4.7	0	0.0	0.00	0.0	9	0.2	7820.00	4.6	
TOTAL		83	0.4	34502.00	1.6	6	0.0	655.00	2.1	89	0.2	35157.00	1.6	
CENTRAL STONEROLLER		1977	1	0.0	2.79	0.0	0	0.0	0.00	0.0	1	0.0	2.79	0.0
	1979	0	0.0	0.00	0.0	2	0.1	1.20	0.0	2	0.0	1.20	0.0	
	1982	0	0.0	0.00	0.0	1	0.3	0.96	0.1	1	0.1	0.96	0.0	
	1983	0	0.0	0.00	0.0	1	0.1	0.51	0.1	1	0.0	0.51	0.0	
	1985	4	0.2	6.35	0.0	4	0.1	6.34	0.1	8	0.1	12.69	0.0	
	1986	1	0.0	1.02	0.0	1	0.1	0.82	0.0	2	0.1	1.84	0.0	
	TOTAL	6	0.1	10.16	0.0	9	0.0	9.83	0.0	15	0.0	19.99	0.0	
GOLDFISH	1981	1	0.0	165.00	0.0	0	0.0	0.00	0.0	1	0.0	165.00	0.0	
	1987	1	0.0	52.00	0.0	0	0.0	0.00	0.0	1	0.0	52.00	0.0	
	TOTAL	2	0.0	217.00	0.0	0	0.0	0.00	0.0	2	0.0	217.00	0.0	
	CARP	1977	92	3.8	71317.47	24.8	4	0.0	60.43	0.9	96	0.8	71377.90	24.2
		1978	40	1.7	29569.00	22.8	2	0.1	185.80	11.0	42	1.1	29754.80	22.6
		1979	25	1.8	24420.00	14.1	0	0.0	0.00	0.0	25	0.6	24420.00	13.9
1981		89	4.3	63990.82	16.5	3	0.2	367.35	10.1	92	2.8	64358.17	16.5	
1982		49	7.0	59589.00	27.0	0	0.0	0.00	0.0	49	4.6	59589.00	26.9	
1983		29	2.8	22068.60	10.7	0	0.0	0.00	0.0	29	1.3	22068.60	10.7	
1984		17	1.2	10082.00	4.7	0	0.0	0.00	0.0	17	0.6	10082.00	4.7	
1985		10	0.4	20438.00	9.5	0	0.0	0.00	0.0	10	0.1	20438.00	9.3	
1986		9	0.3	13610.00	6.7	1	0.1	0.71	0.0	10	0.3	13610.71	6.6	
1987		13	0.5	13185.00	7.9	0	0.0	0.00	0.0	13	0.3	13185.00	7.8	
TOTAL		373	2.0	328270	14.9	10	0.0	614.29	2.0	383	0.8	328884.18	14.7	
SILVERJAW MINNOW		1977	0	0.0	0.00	0.0	1	0.0	0.38	0.0	1	0.0	0.38	0.0
	1978	4	0.2	3.21	0.0	21	1.5	9.84	0.6	25	0.7	13.05	0.0	
	1979	0	0.0	0.00	0.0	41	1.3	22.26	0.6	41	0.9	22.26	0.0	
	1982	1	0.1	1.44	0.0	0	0.0	0.00	0.0	1	0.1	1.44	0.0	
	1983	0	0.0	0.00	0.0	1	0.1	0.43	0.1	1	0.0	0.43	0.0	
	1984	1	0.1	1.63	0.0	0	0.0	0.00	0.0	1	0.0	1.63	0.0	
	1985	0	0.0	0.00	0.0	8	0.1	3.83	0.1	8	0.1	3.83	0.0	
	1986	1	0.0	0.57	0.0	0	0.0	0.00	0.0	1	0.0	0.57	0.0	
	1987	0	0.0	0.00	0.0	4	0.2	0.74	0.0	4	0.1	0.74	0.0	
	TOTAL	7	0.0	6.85	0.0	76	0.3	37.48	0.1	83	0.2	44.33	0.0	
	HORNYHEAD CHUB	1977	1	0.0	15.28	0.0	18	0.2	8.92	0.1	19	0.2	24.20	0.0
		1978	0	0.0	0.00	0.0	4	0.3	1.23	0.1	4	0.1	1.23	0.0
1979		1	0.1	5.17	0.0	19	0.6	10.50	0.3	20	0.5	15.67	0.0	
1983		0	0.0	0.00	0.0	2	0.2	0.44	0.1	2	0.1	0.44	0.0	
1984		0	0.0	0.00	0.0	8	0.5	1.79	0.2	8	0.3	1.79	0.0	
1985		13	0.5	104.77	0.0	69	0.9	57.10	0.9	82	0.8	161.87	0.1	
1986		1	0.0	6.61	0.0	2	0.2	7.91	0.2	3	0.1	14.52	0.0	
1987		2	0.1	26.67	0.0	7	0.3	4.39	0.2	9	0.2	31.06	0.0	
TOTAL		18	0.1	158.50	0.0	129	0.5	92.28	0.3	147	0.3	250.78	0.0	
PALLID CHUB		1978	0	0.0	0.00	0.0	1	0.1	0.42	0.0	1	0.0	0.42	0.0
		1979	0	0.0	0.00	0.0	9	0.3	3.81	0.1	9	0.2	3.81	0.0
		1981	0	0.0	0.									

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
GOLDEN SHINER	1977	2	0.1	45.00	0.0	2	0.0	0.87	0.0	4	0.0	45.87	0.0	
	1978	5	0.2	47.73	0.0	1	0.1	1.46	0.1	5	0.2	49.19	0.0	
	1979	6	0.4	75.02	0.0	8	0.3	5.77	0.2	14	0.3	80.79	0.0	
	1981	6	0.3	81.50	0.0	1	0.1	0.27	0.0	7	0.2	81.77	0.0	
	1982	2	0.3	16.11	0.0	4	1.1	4.09	0.6	6	0.6	20.20	0.0	
	1983	1	0.1	7.48	0.0	0	0.0	0.00	0.0	1	0.0	7.48	0.0	
	1984	3	0.2	28.00	0.0	1	0.1	0.52	0.1	4	0.1	28.52	0.0	
	1985	4	0.2	51.39	0.0	1	0.0	5.65	0.1	5	0.1	57.04	0.0	
	1986	1	0.0	2.48	0.0	0	0.0	0.00	0.0	1	0.0	2.48	0.0	
	1987	4	0.2	32.84	0.0	0	0.0	0.00	0.0	4	0.1	32.84	0.0	
	TOTAL	34	0.2	387.55	0.0	18	0.1	18.63	0.1	52	0.1	406.18	0.0	
EMERALD SHINER	1977	10	0.4	43.91	0.0	5	0.1	2.61	0.0	15	0.1	46.52	0.0	
	1979	1	0.1	14.00	0.0	0	0.0	0.00	0.0	1	0.0	14.00	0.0	
	1983	3	0.3	16.74	0.0	0	0.0	0.00	0.0	3	0.1	16.74	0.0	
	1984	3	0.2	8.69	0.0	0	0.0	0.00	0.0	3	0.1	8.69	0.0	
	1985	0	0.0	0.00	0.0	29	0.4	2.89	0.0	29	0.3	2.89	0.0	
	1986	1	0.0	7.42	0.0	2	0.2	0.37	0.0	3	0.1	7.79	0.0	
	1987	0	0.0	0.00	0.0	16	0.7	3.76	0.1	16	0.3	3.76	0.0	
	TOTAL	18	0.1	90.76	0.0	52	0.2	9.63	0.0	70	0.2	100.39	0.0	
	GHOST SHINER	1981	0	0.0	0.00	0.0	1	0.1	0.46	0.0	1	0.0	0.46	0.0
		TOTAL	0	0.0	0.00	0.0	1	0.1	0.46	0.0	1	0.0	0.46	0.0
		STRIPED SHINER	1977	0	0.0	0.00	0.0	119	1.3	63.72	0.9	119	1.0	63.72
1978			4	0.2	21.96	0.0	164	11.8	59.66	3.5	168	4.5	81.62	0.1
1979			0	0.0	0.00	0.0	99	3.3	21.49	0.6	99	2.2	21.49	0.0
1981			0	0.0	0.00	0.0	1	0.1	0.27	0.0	1	0.0	0.27	0.0
1982			1	0.1	7.07	0.0	82	22.2	58.86	7.9	83	7.7	65.93	0.0
1983			1	0.1	0.47	0.0	393	33.7	122.02	14.5	394	18.0	122.49	0.1
1984			2	0.1	7.94	0.0	276	19.0	71.34	7.7	278	9.5	79.28	0.0
1985			39	1.5	119.85	0.1	840	11.5	385.61	6.1	879	8.9	505.46	0.2
1986			18	0.7	70.53	0.0	48	5.0	21.27	0.6	66	1.9	91.80	0.0
1987	18		0.7	50.70	0.0	62	2.7	17.00	0.6	80	1.7	67.70	0.0	
TOTAL	83		0.4	278.52	0.0	2084	7.3	821.24	2.6	2167	4.6	1099.76	0.0	
BIGMOUTH SHINER	1977	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0	
	TOTAL	0	0.0	0.00	0.0	2	0.0	1.01	0.0	2	0.0	1.01	0.0	
	RED SHINER	1977	0	0.0	0.00	0.0	1	0.0	2.16	0.0	1	0.0	2.16	0.0
		1979	0	0.0	0.00	0.0	2	0.1	1.48	0.0	2	0.0	1.48	0.0
		1981	2	0.1	6.50	0.0	1	0.1	2.21	0.1	3	0.1	8.71	0.0
		1983	3	0.3	5.98	0.0	0	0.0	0.00	0.0	3	0.1	5.98	0.0
		1984	0	0.0	0.00	0.0	1	0.1	0.45	0.0	1	0.0	0.45	0.0
		1985	3	0.1	15.82	0.0	8	0.1	10.13	0.2	11	0.1	25.95	0.0
		1986	0	0.0	0.00	0.0	1	0.1	0.88	0.0	1	0.0	0.88	0.0
		1987	0	0.0	0.00	0.0	1	0.0	0.61	0.0	1	0.0	0.61	0.0
		TOTAL	8	0.0	28.30	0.0	15	0.1	17.92	0.1	23	0.1	46.22	0.0
ROSYFACE SHINER		1977	20	0.8	26.22	0.0	609	6.6	244.62	3.5	629	5.4	270.84	0.1
		1978	7	0.3	8.58	0.0	96	6.9	44.16	2.6	103	2.8	52.74	0.0
	1979	1	0.1	2.05	0.0	139	4.6	50.09	1.4	140	3.2	52.14	0.0	
	1981	4	0.2	12.99	0.0	5	0.4	5.96	0.2	9	0.3	18.95	0.0	
	1982	3	0.4	3.38	0.0	67	18.2	27.32	3.7	70	6.5	30.70	0.0	
	1983	11	1.1	5.59	0.0	4	0.3	0.47	0.1	15	0.7	6.06	0.0	
	1984	0	0.0	0.00	0.0	157	10.8	24.86	2.7	157	5.4	24.86	0.0	
	1985	11	0.4	6.13	0.0	317	4.4	79.48	1.2	328	3.3	85.61	0.0	
	1986	19	0.7	27.64	0.0	8	0.8	1.14	0.0	27	0.8	28.78	0.0	
	1987	20	0.8	35.46	0.0	18	0.8	4.23	0.2	38	0.8	39.69	0.0	
	TOTAL	96	0.5	128.04	0.0	1420	5.0	482.33	1.5	1516	3.2	610.37	0.0	
SPOTFIN SHINER	1977	130	5.4	552.18	0.2	1929	20.9	1430.48	20.6	2059	17.7	1982.66	0.7	
	1978	50	2.1	184.55	0.1	87	6.3	154.85	9.1	137	3.7	339.40	0.3	
	1979	32	2.3	130.37	0.1	1010	33.2	828.88	23.9	1042	23.5	955.25	0.5	
	1981	51	2.5	164.91	0.0	283	23.2	261.00	7.2	334	10.2	425.91	0.1	
	1982	21	3.0	89.41	0.0	20	5.4	37.94	7.8	41	3.8	147.35	0.1	
	1983	89	8.3	279.17	0.1	170	14.6	183.91	21.8	259	11.6	463.08	0.2	
	1984	56	3.8	134.70	0.1	361	24.8	345.98	37.3	417	14.3	480.68	0.2	
	1985	147	5.6	540.48	0.3	1195	16.4	701.92	11.0	1342	13.5	1242.40	0.6	
	1986	79	3.0	145.99	0.1	87	9.0	88.03	2.3	166	4.7	234.02	0.1	
	1987	369	14.9	448.48	0.3	669	29.7	355.20	13.2	1038	21.9	803.68	0.5	
	TOTAL	1020	5.3	2670.24	0.1	5811	20.5	4404.19	14.1	6831	14.4	7074.43	0.3	
SAND SHINER	1977	5	0.2	5.09	0.0	615	6.7	234.11	3.4	620	5.3	239.20	0.1	
	1978	3	0.1	3.72	0.0	270	19.5	87.61	5.2	273	7.3	91.33	0.1	
	1979	0	0.0	0.00	0.0	491	16.1	282.14	8.2	491	11.1	282.14	0.2	
	1981	3	0.1	2.15	0.0	165	13.5	99.25	2.7	168	5.1	101.40	0.0	
	1982	2	0.3	6.29	0.0	19	5.1	7.02	0.9	21	2.0	13.31	0.0	
	1983	28	2.7	36.07	0.0	136	11.7	81.46	9.7	164	7.5	117.53	0.1	
	1984	6	0.4	5.68	0.0	89	6.1	37.90	4.1	95	3.2	43.58	0.0	
	1985	26	1.0	36.84	0.0	792	10.9	300.41	4.7	818	8.3	337.25	0.2	
	1986	57	2.2	57.84	0.0	56	5.8	26.34	0.7	113	3.2	84.18	0.0	
	1987	54	2.2	39.78	0.0	212	9.4	119.03	4.4	266	5.6	158.81	0.1	
	TOTAL	184	1.0	193.46	0.0	2845	10.0	1275.27	4.1	3029	6.4	1468.73	0.1	
REDFIN SHINER	1977	0	0.0	0.00	0.0	222	2.4	42.26	0.6	222	1.9	42.26	0.0	
	1978	1	0.0	1.86	0.0	9	0.6	8.58	0.5	10	0.3	10.44	0.0	
	1979	0	0.0	0.00	0.0	7	0.2	5.99	0.2	7	0.2	5.99	0.0	
	1981	0	0.0	0.00	0.0	51	4.2	31.12	0.9	51	1.6	31.12	0.0	
	1982	1	0.1	1.93	0.0	7	1.9	6.29	0.8	8	0.7	8.22	0.0	
	1984	1	0.1	1.11	0.0	5	0.3	4.34	0.5	6	0.2	5.45	0.0	
	1985	1	0.0	0.86	0.0	17	0.2	17.65	0.3	18	0.2	18.51	0.0	
	1986	6	0.2	5.62	0.0	23	2.4	17.33	0.4	29	0.8	22.95	0.0	
	1987	10	0.4	7.53	0.0	18	0.8	12.70	0.5	28	0.6	20.23	0.0	
	TOTAL	20	0.1	18.91	0.0	359	1.3	146.26	0.5	379	0.8	165.17	0.0	
	MIMIC SHINER	1977	0	0.0	0.00	0.0	29	0.3	12.22	0.2	29	0.2	12.22	0.0
1981		0	0.0	0.00	0.0	32	2.6	14.32	0.4	32	1.0	14.32	0.0	
1982		0	0.0	0.00	0.0	4	1.1	4.35	0.6	4	0.4	4.35	0.0	
1984		3	0.2	3.24	0.0	0	0.0	0.00	0.0	3	0.1	3.24	0.0	
1985		1	0.0	0.80	0.0	8	0.1	8.77	0.1	9	0.1	9.57	0.0	
1986		6	0.2	5.69	0.0	10	1.0	7.11	0.2	16	0.4	12.80	0.0	
1987		63	2.5	49.90	0.0	128	5.7	83.91	3.1	191	4.0	133.81	0.1	
TOTAL		73	0.5	59.63	0.0	211	0.9	130.						

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
 BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING			SEINING			TOTAL						
	NO.	WT (G)	%WT	NO.	WT (G)	%WT	NO.	WT (G)	%WT				
BLUNTNOSE MINNOW	1977	50	2.1	118.56	0.1	1199	13.0	647.37	9.3	1249	10.7	765.93	0.3
	1978	113	4.9	261.19	0.2	447	32.2	559.78	33.0	560	15.1	821.17	0.6
	1979	37	2.7	133.25	0.1	777	25.5	740.86	21.4	814	18.3	874.11	0.5
	1981	16	0.8	40.26	0.0	236	19.3	181.40	5.0	252	7.7	221.66	0.1
	1982	8	1.1	21.25	0.0	39	10.6	34.55	4.7	47	4.4	55.80	0.0
	1983	30	2.9	45.10	0.0	185	15.9	118.36	14.0	215	9.8	163.46	0.1
	1984	69	4.7	115.32	0.1	148	10.2	83.61	9.0	217	7.4	198.93	0.1
	1985	222	8.4	524.24	0.2	2134	29.3	1522.10	23.9	2356	23.8	2046.34	0.9
	1986	320	12.3	502.13	0.2	422	43.6	407.34	10.5	742	20.8	909.47	0.4
	1987	236	9.5	327.50	0.2	388	17.2	296.30	11.0	624	13.2	623.80	0.4
	TOTAL	1101	5.8	2089.00	0.1	5975	21.1	4591.67	14.7	7076	14.9	6680.67	3.3
FATHEAD MINNOW	1977	0	0.0	0.00	0.0	1	0.0	0.50	0.0	1	0.0	0.50	0.0
	1978	0	0.0	0.00	0.0	1	0.1	1.62	0.1	1	0.0	1.62	0.0
	1979	0	0.0	0.00	0.0	1	0.0	3.36	0.1	1	0.0	3.36	0.0
	1981	2	0.1	11.80	0.0	0	0.0	0.00	0.0	2	0.1	11.80	0.0
	1985	0	0.0	0.00	0.0	1	0.0	0.30	0.0	1	0.0	0.30	0.0
	1986	0	0.0	0.00	0.0	1	0.1	0.57	0.0	1	0.0	0.57	0.0
	TOTAL	2	0.0	11.80	0.0	5	0.0	6.35	0.0	7	0.0	18.15	0.0
BULLHEAD MINNOW	1977	147	6.1	399.03	0.1	1058	11.5	779.30	11.2	1205	10.4	1178.33	0.4
	1978	35	1.5	84.63	0.1	52	3.7	60.66	3.6	87	2.3	145.29	0.1
	1979	25	1.8	83.50	0.0	62	2.0	84.05	2.4	87	2.0	167.55	0.1
	1981	6	0.3	29.18	0.0	142	11.6	90.01	2.5	148	4.5	119.19	0.0
	1982	2	0.3	5.54	0.0	12	3.3	11.33	1.5	14	1.3	16.87	0.0
	1983	8	0.8	19.74	0.0	51	4.4	20.15	2.4	59	2.7	39.89	0.0
	1984	11	0.7	41.28	0.0	229	15.7	35.22	3.8	240	8.2	76.50	0.0
	1985	53	2.0	174.53	0.1	338	4.6	561.68	8.8	391	3.9	736.21	0.3
	1986	8	0.3	11.30	0.0	9	0.9	9.77	0.3	17	0.5	21.07	0.0
	1987	31	1.3	44.27	0.0	243	10.8	77.43	2.9	274	5.8	121.70	0.1
	TOTAL	326	1.7	893.00	0.0	2196	7.7	1729.60	5.5	2522	5.3	2622.60	0.1
CREEK CHUB	1978	2	0.1	2.97	0.0	8	0.6	5.47	0.3	10	0.3	8.44	0.0
	1979	0	0.0	0.00	0.0	18	0.6	11.01	0.3	18	0.4	11.01	0.0
	1982	0	0.0	0.00	0.0	1	0.3	0.54	0.1	1	0.1	0.54	0.0
	1983	0	0.0	0.00	0.0	13	1.1	5.11	0.6	13	0.6	5.11	0.0
	1985	2	0.1	2.78	0.0	70	1.0	63.80	1.0	72	0.7	66.58	0.0
	1987	1	0.0	1.05	0.0	0	0.0	0.00	0.0	1	0.0	1.05	0.0
	TOTAL	5	0.0	6.80	0.0	110	0.7	85.93	0.5	115	0.4	92.73	0.0
UNIDENTIFIED MINNOWS	1977	0	0.0	0.00	0.0	2462	26.7	153.68	2.2	2462	21.2	153.68	0.1
	1978	0	0.0	0.00	0.0	8	0.6	0.49	0.0	8	0.2	0.49	0.0
	1979	0	0.0	0.00	0.0	2	0.1	0.03	0.0	2	0.0	0.03	0.0
	1982	0	0.0	0.00	0.0	2	0.5	0.10	0.0	2	0.2	0.10	0.0
	1983	0	0.0	0.00	0.0	24	2.1	1.30	0.2	24	1.1	1.30	0.0
	1984	0	0.0	0.00	0.0	12	0.8	0.83	0.1	12	0.4	0.83	0.0
	TOTAL	0	0.0	0.00	0.0	2510	15.1	156.43	1.1	2510	9.7	156.43	0.0
RIVER CARPSUCKER	1977	0	0.0	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	2.15	0.0	1	0.0	2.15	0.0
QUILLBACK	1977	42	1.7	13604.33	4.7	4	0.0	14.95	0.2	46	0.4	13618.88	4.6
	1978	52	2.2	20226.27	15.6	0	0.0	0.00	0.0	52	1.4	20226.27	15.4
	1979	47	3.4	16040.41	9.3	0	0.0	0.00	0.0	47	1.1	16040.41	9.1
	1981	45	2.2	16877.00	4.4	0	0.0	0.00	0.0	45	1.4	16877.00	4.3
	1982	43	6.1	20665.00	9.4	0	0.0	0.00	0.0	43	4.0	20665.00	9.3
	1983	138	13.5	79032.08	38.4	0	0.0	0.00	0.0	138	6.3	79032.08	38.3
	1984	106	7.2	60676.00	28.3	0	0.0	0.00	0.0	106	3.6	60676.00	28.2
	1985	59	2.2	29829.99	13.9	5	0.1	9.31	0.1	64	0.6	29839.30	13.5
	1986	46	1.8	27467.91	13.5	3	0.3	9.99	0.3	49	1.4	27477.90	13.3
	1987	36	1.5	22748.70	13.6	0	0.0	0.00	0.0	36	0.8	22748.70	13.4
	TOTAL	614	3.2	307168	13.9	12	0.0	33.85	0.1	626	1.3	307201.54	13.8
WHITE SUCKER	1977	15	0.6	3904.00	1.4	1	0.0	35.00	0.8	16	0.1	3959.00	1.3
	1978	2	0.1	372.00	0.3	0	0.0	0.00	0.0	2	0.1	372.00	0.3
	1979	11	0.8	3609.00	2.1	1	0.0	0.40	0.0	12	0.3	3609.40	2.0
	1981	5	0.2	1740.00	0.4	0	0.0	0.00	0.0	5	0.2	1740.00	0.4
	1982	8	1.1	3119.59	1.4	0	0.0	0.00	0.0	8	0.7	3119.59	1.4
	1983	18	1.8	6693.00	3.3	0	0.0	0.00	0.0	18	0.8	6693.00	3.2
	1984	2	0.1	885.00	0.4	0	0.0	0.00	0.0	2	0.1	885.00	0.4
	1985	9	0.3	2246.62	1.0	2	0.0	5.15	0.1	11	0.1	2251.77	1.0
	1986	1	0.0	430.00	0.2	0	0.0	0.00	0.0	1	0.0	430.00	0.2
	1987	1	0.0	320.00	0.2	0	0.0	0.00	0.0	1	0.0	320.00	0.2
	TOTAL	72	0.4	23319.21	1.1	4	0.0	60.55	0.2	76	0.2	23379.76	1.0
LAKE CHUBSUCKER	1977	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
	TOTAL	0	0.0	0.00	0.0	1	0.0	0.10	0.0	1	0.0	0.10	0.0
NORTHERN HOGSUCKER	1977	3	0.1	1346.00	0.5	0	0.0	0.00	0.0	3	0.0	1346.00	0.5
	1978	3	0.1	935.56	0.7	0	0.0	0.00	0.0	3	0.1	935.56	0.7
	1979	8	0.6	3050.00	1.8	3	0.1	4.25	0.1	11	0.2	3054.25	1.7
	1981	18	0.9	7615.00	2.0	0	0.0	0.00	0.0	18	0.6	7615.00	1.9
	1982	18	2.6	6793.94	3.1	0	0.0	0.00	0.0	18	1.7	6793.94	3.1
	1983	27	2.6	8475.64	4.1	0	0.0	0.00	0.0	27	1.2	8475.64	4.1
	1984	33	2.2	16421.00	7.7	0	0.0	0.00	0.0	33	1.1	16421.00	7.6
	1985	37	1.4	10931.79	5.1	8	0.1	18.47	0.3	45	0.5	10950.26	5.0
	1986	21	0.8	5285.00	2.6	0	0.0	0.00	0.0	21	0.6	5285.00	2.6
	1987	10	0.4	3835.00	2.3	0	0.0	0.00	0.0	10	0.2	3835.00	2.3
	TOTAL	178	0.9	64688.93	2.9	11	0.0	22.72	0.1	189	0.4	64711.65	2.9
SMALLMOUTH BUFFALO	1977	1	0.0	570.00	0.2	0	0.0	0.00	0.0	1	0.0	570.00	0.2
	1981	1	0.0	345.00	0.1	0	0.0	0.00	0.0	1	0.0	345.00	0.1
	1983	1	0.1	565.00	0.3	0	0.0	0.00	0.0	1	0.0	565.00	0.3
	1987	0	0.0	0.00	0.0	1	0.0	3.24	0.1	1	0.0	3.24	0.0
	TOTAL	3	0.0	1480.00	0.1	1	0.0	3.24	0.0	4	0.0	1483.24	0.1
BIGMOUTH BUFFALO	1978	2	0.1	426.00	0.3	0	0.0	0.00	0.0	2	0.1	426.00	0.3
	1979	2	0.1	2620.00	1.5	0	0.0	0.00	0.0	2	0.0	2620.00	1.5
	1981	1	0.0	400.00	0.1	0	0.0	0.00	0.0	1	0.0	400.00	0.1
	1982	2	0.3	1070.00	0.5	0	0.0	0.00	0.0	2	0.2	1070.00	0.5
	1983	4	0.4	4891.00	2								

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL					
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT		
SILVER REDHORSE	1977	19	0.8	8060.38	2.3	3	0.0	16.70	0.2	22	0.2	8077.08	2.7	
	1978	24	1.0	11947.04	9.2	3	0.2	1.69	0.1	27	0.7	11948.73	9.1	
	1979	20	1.4	11038.00	6.4	4	0.1	7.56	0.2	24	0.5	11045.56	6.3	
	1981	54	2.6	27963.00	7.2	1	0.1	24.39	0.7	55	1.7	27987.39	7.2	
	1982	45	6.4	39061.00	17.7	1	0.3	1.63	0.2	46	4.3	39062.63	17.5	
	1983	22	2.1	12184.00	5.9	0	0.0	0.00	0.0	22	1.0	12184.00	5.9	
	1984	38	2.6	28824.00	13.5	0	0.0	0.00	0.0	38	1.3	28824.00	13.4	
	1985	25	0.9	4468.75	2.1	16	0.2	45.27	0.7	41	0.4	4514.02	2.0	
	1986	18	0.7	7724.00	3.8	0	0.0	0.00	0.0	18	0.5	7724.00	3.7	
	TOTAL	265	1.6	151270	7.4	28	0.1	97.24	0.3	293	0.7	151367.41	7.3	
RIVER REDHORSE	1977	69	2.9	5718.00	2.0	1	0.0	2.52	0.0	70	0.6	5720.52	1.9	
	1978	10	0.4	1324.00	1.0	0	0.0	0.00	0.0	10	0.3	1324.00	1.0	
	1979	46	3.3	3697.30	2.1	0	0.0	0.00	0.0	46	1.0	3697.30	2.1	
	1981	26	1.3	12476.00	3.2	0	0.0	0.00	0.0	26	0.8	12476.00	3.2	
	1982	10	1.4	9143.00	4.1	0	0.0	0.00	0.0	10	0.9	9143.00	4.1	
	1983	4	0.4	1142.00	0.6	0	0.0	0.00	0.0	4	0.2	1142.00	0.6	
	1984	5	0.3	4230.00	2.0	0	0.0	0.00	0.0	5	0.2	4230.00	2.0	
	1985	18	0.7	622.58	0.3	0	0.0	0.00	0.0	18	0.2	622.58	0.3	
	1986	102	3.9	5664.12	2.8	1	0.1	21.00	0.5	103	2.9	5685.12	2.0	
	1987	17	0.7	2633.00	1.6	0	0.0	0.00	0.0	17	0.4	2633.00	1.5	
TOTAL	307	1.6	46650.00	2.1	2	0.0	23.52	0.1	309	0.7	46673.52	2.1		
BLACK REDHORSE	1979	10	0.7	862.00	0.5	0	0.0	0.00	0.0	10	0.2	862.00	0.5	
	1981	6	0.3	1340.00	0.3	0	0.0	0.00	0.0	6	0.2	1340.00	0.3	
	1982	3	0.4	755.00	0.3	0	0.0	0.00	0.0	3	0.3	755.00	0.3	
	1983	4	0.4	1308.00	0.6	0	0.0	0.00	0.0	4	0.2	1308.00	0.6	
	1985	6	0.2	648.21	0.3	0	0.0	0.00	0.0	6	0.1	648.21	0.3	
	1986	2	0.1	238.02	0.1	0	0.0	0.00	0.0	2	0.1	238.02	0.1	
	TOTAL	31	0.3	5151.23	0.4	0	0.0	0.00	0.0	31	0.1	5151.23	0.4	
	1977	221	9.1	55900.61	19.4	2	0.0	87.50	1.3	223	1.9	55988.11	19.0	
GOLDEN REDHORSE	1978	83	3.6	12786.32	9.9	1	0.1	1.34	0.1	84	2.3	12787.66	9.7	
	1979	175	12.5	25711.68	14.9	2	0.1	43.24	1.3	177	4.0	25754.92	14.6	
	1981	317	15.5	50659.70	15.1	2	0.2	105.95	2.9	319	9.8	50765.65	15.0	
	1982	83	11.8	26005.00	11.8	0	0.0	0.00	0.0	83	7.7	26005.00	11.7	
	1983	67	6.5	25387.00	12.3	0	0.0	0.00	0.0	67	3.1	25387.00	12.3	
	1984	205	13.9	40427.25	18.9	0	0.0	0.00	0.0	205	7.0	40427.25	18.8	
	1985	252	9.6	36241.04	16.9	388	5.3	491.56	7.7	640	6.5	36732.60	16.7	
	1986	323	12.4	54488.32	26.9	10	1.0	498.16	12.9	333	9.3	54986.48	26.6	
	1987	181	7.3	28136.06	16.8	14	0.6	14.58	0.5	195	4.1	28150.64	16.6	
	TOTAL	1907	10.0	363743	16.5	419	1.5	1242.33	4.0	2326	4.9	364985.31	16.3	
SHORTHEAD REDHORSE	1977	157	6.5	31169.69	10.8	0	0.0	0.00	0.0	157	1.3	31169.69	10.6	
	1978	49	2.1	2676.97	2.1	0	0.0	0.00	0.0	49	1.3	2676.97	2.0	
	1979	46	3.3	10543.80	6.1	0	0.0	0.00	0.0	46	1.0	10543.80	6.0	
	1981	223	10.9	87046.00	22.5	0	0.0	0.00	0.0	223	6.8	87046.00	22.3	
	1982	22	3.1	10325.00	4.7	0	0.0	0.00	0.0	22	2.1	10325.00	4.7	
	1983	15	1.5	4627.00	2.2	0	0.0	0.00	0.0	15	0.7	4627.00	2.2	
	1984	16	1.1	1332.00	0.6	0	0.0	0.00	0.0	16	0.5	1332.00	0.6	
	1985	71	2.7	6187.91	2.9	29	0.4	48.42	0.8	100	1.0	6236.33	2.8	
	1986	74	2.8	7197.82	3.6	0	0.0	0.00	0.0	74	2.1	7197.82	3.5	
	1987	7	0.3	2848.19	1.7	0	0.0	0.00	0.0	7	0.1	2848.19	1.7	
TOTAL	680	3.6	163954	7.4	29	0.1	48.42	0.2	709	1.5	164002.80	7.3		
UNIDENTIFIED REDHORSE	1977	52	2.2	166.87	0.1	36	0.4	70.99	1.0	88	0.8	237.86	0.1	
	1978	32	1.4	31.25	0.0	42	3.0	27.47	1.6	74	2.0	58.72	0.0	
	1979	2	0.1	1.94	0.0	78	2.6	54.93	1.6	80	1.8	56.87	0.0	
	1981	0	0.0	0.00	0.0	28	2.3	8.76	0.2	28	0.9	8.76	0.0	
	1982	0	0.0	0.00	0.0	2	0.5	1.90	0.3	2	0.2	1.90	0.0	
	1983	7	0.7	6.03	0.0	23	2.0	15.53	1.8	30	1.4	21.56	0.0	
	1984	0	0.0	0.00	0.0	1	0.1	0.58	0.1	1	0.0	0.58	0.0	
	TOTAL	93	0.8	206.09	0.0	210	1.2	180.16	1.0	303	1.0	386.25	0.0	
	BLACK BULLHEAD	1981	2	0.1	261.00	0.1	0	0.0	0.00	0.0	2	0.1	261.00	0.1
		1985	1	0.0	53.00	0.0	0	0.0	0.00	0.0	1	0.0	53.00	0.0
1986		1	0.0	97.00	0.0	0	0.0	0.00	0.0	1	0.0	97.00	0.0	
TOTAL		4	0.1	411.00	0.1	0	0.0	0.00	0.0	4	0.0	411.00	0.1	
1979		1	0.1	170.00	0.1	0	0.0	0.00	0.0	1	0.0	170.00	0.1	
YELLOW BULLHEAD	1982	1	0.1	60.00	0.0	0	0.0	0.00	0.0	1	0.1	60.00	0.0	
	1984	1	0.1	200.00	0.1	0	0.0	0.00	0.0	1	0.0	200.00	0.1	
	1985	2	0.1	242.00	0.1	0	0.0	0.00	0.0	2	0.0	242.00	0.1	
	1986	1	0.0	30.00	0.0	0	0.0	0.00	0.0	1	0.0	30.00	0.0	
	1987	1	0.0	57.00	0.0	0	0.0	0.00	0.0	1	0.0	57.00	0.0	
	TOTAL	7	0.1	759.00	0.1	0	0.0	0.00	0.0	7	0.0	759.00	0.1	
	CHANNEL CATFISH	1977	21	0.9	11958.16	4.2	0	0.0	0.00	0.0	21	0.2	11958.16	4.1
		1978	5	0.2	3560.00	2.7	0	0.0	0.00	0.0	5	0.1	3560.00	2.7
1979		10	0.7	9246.00	5.4	0	0.0	0.00	0.0	10	0.2	9246.00	5.2	
1981		6	0.3	9710.00	2.5	1	0.1	0.22	0.0	7	0.2	9710.22	2.5	
1982		1	0.1	450.00	0.2	0	0.0	0.00	0.0	1	0.1	450.00	0.2	
1983		0	0.0	0.00	0.0	1	0.1	1.58	0.2	1	0.0	1.58	0.0	
1984		3	0.2	3697.00	1.7	0	0.0	0.00	0.0	3	0.1	3697.00	1.7	
1985		1	0.0	2110.00	1.0	0	0.0	0.00	0.0	1	0.0	2110.00	1.0	
1986		2	0.1	4462.00	2.2	2	0.2	1.55	0.0	4	0.1	4463.55	2.2	
1987		3	0.1	5178.00	3.1	3	0.1	3.43	0.1	6	0.1	5181.43	3.0	
TOTAL	52	0.3	50371.16	2.3	7	0.0	6.78	0.0	59	0.1	50377.94	2.3		
STONEC	1977	6	0.2	127.00	0.0	0	0.0	0.00	0.0	6	0.1	127.00	0.0	
	1978	4	0.2	121.00	0.1	0	0.0	0.00	0.0	4	0.1	121.00	0.1	
	1979	7	0.5	181.73	0.1	0	0.0	0.00	0.0	7	0.2	181.73	0.1	
	1981	2	0.1	52.00	0.0	0	0.0	0.00	0.0	2	0.1	52.00	0.0	
	1982	1	0.1	20.00	0.0	0	0.0	0.00	0.0	1	0.1	20.00	0.0	
	1983	2	0.2	78.63	0.0	0	0.0	0.00	0.0	2	0.1	78.63	0.0	
	1984	9	0.6	166.98	0.1	1	0.1	28.48	3.1	10	0.3	195.46	0.1	
	1985	7	0.3	92.26	0.0	0	0.0	0.00	0.0	7	0.1	92.26	0.0	
	1986	1	0.0	22.00	0.0	0	0.0	0.00	0.0	1	0.0	22.00	0.0	
	1987	3	0.1	52.36	0.0	0	0.0	0.00	0.0	3	0.1	52.36	0.0	
TOTAL	42	0.2	913.96	0.0	1	0.0	28.48	0.1	43	0.1	942.44	0.0		

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING				SEINING				TOTAL				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
TADPOLE MADTOM	1987	0	0.0	0.00	0	0.0	0.00	0.00	2	0.0	0.74	0.00	
TOTAL		0	0.0	0.00	0	0.0	0.00	0.00	2	0.0	0.74	0.00	
PIRATE PERCH	1978	1	0.0	2.28	0.0	0	0.0	0.00	1	0.0	2.28	0.00	
1987	1	0.0	2.25	0.0	0	0.0	0.00	0.00	1	0.0	2.25	0.00	
TOTAL		2	0.0	4.53	0.0	0	0.0	0.00	2	0.0	4.53	0.00	
BLACKSTRIPE TOPMINNOW	1977	0	0.0	0.00	0.0	28	0.3	12.15	0.2	28	0.2	12.15	0.00
1978	0	0.0	0.00	0.0	8	0.6	2.99	0.2	8	0.2	2.99	0.00	
1979	0	0.0	0.00	0.0	5	0.2	2.86	0.1	5	0.1	2.86	0.00	
1981	1	0.0	0.00	0.0	3	0.2	2.57	0.1	4	0.1	2.57	0.00	
1982	0	0.0	0.00	0.0	1	0.3	1.36	0.2	1	0.1	1.36	0.00	
1983	1	0.1	1.31	0.0	13	1.1	13.89	1.6	14	0.6	15.20	0.00	
1984	0	0.0	0.00	0.0	4	0.3	2.00	0.2	4	0.1	2.00	0.00	
1985	0	0.0	0.00	0.0	37	0.5	19.64	0.3	37	0.4	19.64	0.00	
1986	2	0.1	4.53	0.0	11	1.1	4.14	0.1	13	0.4	8.67	0.00	
1987	3	0.1	2.87	0.0	28	1.2	10.83	0.4	31	0.7	13.70	0.00	
TOTAL		7	0.0	8.71	0.0	138	0.5	72.43	0.2	145	0.3	81.14	0.00
BROOK SILVERSIDE	1977	11	0.5	11.13	0.0	196	2.1	92.74	1.3	207	1.8	103.87	0.00
1978	1	0.0	2.03	0.0	1	0.1	0.09	0.0	2	0.1	2.12	0.00	
1979	1	0.1	2.28	0.0	1	0.0	0.09	0.0	2	0.0	2.37	0.00	
1984	0	0.0	0.00	0.0	42	2.9	7.64	0.8	42	1.4	7.64	0.00	
1985	3	0.1	1.04	0.0	350	4.8	63.66	1.0	353	3.6	64.70	0.00	
1986	16	0.6	29.52	0.0	9	0.9	8.59	0.2	25	0.7	38.11	0.00	
1987	7	0.3	10.26	0.0	53	2.3	24.63	0.9	60	1.3	34.89	0.00	
TOTAL		39	0.3	56.26	0.0	652	2.5	197.44	0.8	691	1.7	253.70	0.00
YELLOW BASS	1978	1	0.0	16.00	0.0	0	0.0	0.00	0.00	1	0.0	16.00	0.00
1987	2	0.1	12.15	0.0	0	0.0	0.00	0.00	2	0.0	12.15	0.00	
TOTAL		3	0.1	28.15	0.0	0	0.0	0.00	0.00	3	0.0	28.15	0.00
ROCK BASS	1977	196	8.1	14831.46	5.2	77	0.8	1026.31	14.8	273	2.3	15857.77	5.4
1978	159	6.8	9652.94	7.4	3	0.2	50.41	3.0	162	4.4	9703.35	7.4	
1979	205	14.7	16202.22	9.4	7	0.2	476.45	13.8	212	4.8	16678.67	9.5	
1981	181	8.8	21112.00	5.4	18	1.5	362.69	9.9	199	6.1	21474.69	5.5	
1982	43	6.1	3446.00	1.6	0	0.0	0.00	0.0	43	4.0	3446.00	1.6	
1983	56	5.5	5612.03	2.7	0	0.0	0.00	0.0	56	2.6	5612.03	2.7	
1984	66	4.5	4567.42	2.1	1	0.1	0.05	0.0	67	2.3	4567.47	2.1	
1985	364	13.8	17950.45	8.4	16	0.2	151.04	2.4	380	3.8	18101.49	8.2	
1986	243	9.3	19730.25	9.7	26	2.7	749.16	19.4	269	7.5	20479.41	9.9	
1987	220	8.9	15731.14	9.4	4	0.2	174.06	6.5	224	4.7	15905.20	9.4	
TOTAL		1733	9.1	128836	5.9	152	0.5	2990.17	9.6	1885	4.0	131826.08	5.9
GREEN SUNFISH	1977	105	4.3	2144.01	0.7	20	0.2	100.90	1.5	125	1.1	2244.91	0.8
1978	200	8.6	4040.26	3.1	11	0.8	115.08	6.8	211	5.7	4155.34	3.2	
1979	130	9.3	2889.00	1.7	6	0.2	63.55	1.8	136	3.1	2952.55	1.7	
1981	177	8.6	3951.15	1.0	4	0.3	80.66	2.2	181	5.5	4031.81	1.0	
1982	73	10.4	1347.90	0.6	2	0.5	29.60	4.0	75	7.0	1377.50	0.6	
1983	87	8.5	1586.41	0.8	1	0.1	0.02	0.0	88	4.0	1586.43	0.8	
1984	228	15.5	5315.37	2.5	2	0.1	111.00	12.0	230	7.9	5426.37	2.5	
1985	185	7.0	6002.78	2.8	6	0.1	179.20	2.8	191	1.9	6181.98	2.8	
1986	177	6.8	5357.94	2.6	22	2.3	387.90	10.0	199	5.6	5745.84	2.8	
1987	137	5.5	2883.75	1.7	22	1.0	282.80	10.5	159	3.4	3166.55	1.9	
TOTAL		1499	7.8	35518.57	1.6	96	0.3	1350.71	4.3	1595	3.4	36869.28	1.7
PUMPKINSEED	1977	1	0.0	6.69	0.0	0	0.0	0.00	0.00	1	0.0	6.69	0.00
1981	1	0.0	45.00	0.0	1	0.1	8.87	0.2	2	0.1	53.87	0.00	
1985	2	0.1	56.91	0.0	0	0.0	0.00	0.0	2	0.0	56.91	0.00	
1986	4	0.2	153.57	0.1	0	0.0	0.00	0.0	4	0.1	153.57	0.1	
TOTAL		8	0.1	262.17	0.0	1	0.0	8.87	0.0	9	0.0	271.04	0.00
WARMOUTH	1987	1	0.0	16.00	0.0	0	0.0	0.00	0.00	1	0.0	16.00	0.00
TOTAL		1	0.0	16.00	0.0	0	0.0	0.00	0.00	1	0.0	16.00	0.00
ORANGESPOTTED SUNFISH	1977	15	0.6	93.12	0.0	77	0.8	20.65	0.3	92	0.8	113.77	0.00
1978	64	2.7	709.88	0.5	2	0.1	11.00	0.6	66	1.8	720.88	0.5	
1979	34	2.4	414.56	0.2	6	0.2	58.06	1.7	40	0.9	472.62	0.3	
1981	87	4.2	642.83	0.2	60	4.9	183.16	5.0	147	4.5	825.99	0.2	
1982	8	1.1	81.00	0.0	11	3.0	33.12	4.5	19	1.8	114.12	0.1	
1983	11	1.1	172.41	0.1	0	0.0	0.00	0.0	11	0.5	172.41	0.1	
1984	29	2.0	255.91	0.1	1	0.1	1.20	0.1	30	1.0	257.11	0.1	
1985	71	2.7	821.33	0.4	28	0.4	138.35	2.2	99	1.0	959.68	0.4	
1986	170	6.5	2087.18	1.0	44	4.5	275.29	7.1	214	6.0	2362.47	1.1	
1987	39	1.6	430.13	0.3	11	0.5	31.18	1.2	50	1.1	461.31	0.3	
TOTAL		528	2.8	5708.35	0.3	240	0.8	752.01	2.4	768	1.6	4460.34	0.3
BLUEGILL	1977	4	0.2	135.96	0.0	49	0.5	13.23	0.2	53	0.5	149.19	0.1
1978	5	2.2	511.13	0.4	5	0.4	22.28	1.3	56	1.5	533.41	0.4	
1979	5	0.4	99.00	0.1	0	0.0	0.00	0.0	5	0.1	99.00	0.1	
1981	30	1.5	984.46	0.3	2	0.2	5.36	0.1	32	1.0	989.82	0.3	
1982	10	1.4	199.00	0.1	0	0.0	0.00	0.0	10	0.9	199.00	0.1	
1983	32	3.1	983.67	0.5	1	0.1	21.48	2.5	33	1.5	1005.15	0.5	
1984	38	2.6	1010.96	0.5	1	0.1	10.90	1.2	39	1.3	1021.86	0.5	
1985	15	0.6	927.00	0.4	50	0.7	7.10	0.1	65	0.7	934.10	0.4	
1986	94	2.1	1172.45	0.6	30	3.1	163.59	4.2	84	2.4	1336.04	0.6	
1987	67	2.7	778.00	0.5	49	2.2	44.16	1.6	116	2.5	822.16	0.5	
TOTAL		306	1.6	6801.63	0.3	187	0.7	288.10	0.9	493	1.0	7089.73	0.3
CENTRAL LONGEAR SUNFISH	1977	8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
TOTAL		8	0.3	149.52	0.1	1	0.0	10.68	0.2	9	0.1	160.20	0.1
NORTHERN LONGEAR SUNFISH	1977	121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
TOTAL		121	5.0	1853.88	0.6	12	0.1	129.73	1.9	133	1.1	1983.61	0.7
LONGEAR SUNFISH	1977	42	1.7	550.11	0.2	62	0.7	59.89	0.9	104	0.9	610.00	0.2
1978	347	14.9	5800.04	4.5	5	0.4	40.89	2.4	352	9.5	5840.93	4.4	
1979	172	12.3	3335.01	1.9	10	0.3	156.94	4.5	182	4.1	3491.95	2.0	
1981	131	6.4	3256.66	0.8	28	2.3	145.12	4.0	159	4.9	3401.78	0.9	
1982	48	6.8	1002.53	0.5	2	0.5	27.01	3.6	50	4.7	1029.54	0.5	
1983	42	4.1	775.37	0.4	1	0.1	78.18	9.3	43	2.0	853.55	0.4	
1984	200	13.6	2016.67	0.9	4	0.3	41.17	4.4	204	7.0	2057.84	1.0	
1985	263	10.0	3326.46	1.6	52	0.7	348.23	5.5	315	3.2	3674.69	1.7	
1986	396	15.2	6000.77	3.0	72	7.4	921.18	23.8	468	13.1	6921.95	3.4	
1987	410	16.5	5424.60	3.2	83	3.7	744.42	2					

APPENDIX D-12 (CONT.) TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	ELECTROFISHING			SEINING			TOTAL							
	NO.	WGT(G)	WGT	NO.	WGT(G)	WGT	NO.	WGT(G)	WGT					
ORANGESPOTTED XLONGEAR SUNFISH	1977	1	0.0	7.39	0.0	0	0.0	0.00	0.0	1	0.0	7.39	0.0	
	1981	4	0.2	36.00	0.0	0	0.0	0.00	0.0	4	0.2	36.00	0.0	
	TOTAL	5	0.2	43.39	0.0	0	0.0	0.00	0.0	5	0.2	43.39	0.0	
GREEN X LONGEAR SUNFISH	1979	1	0.1	9.00	0.0	0	0.0	0.00	0.0	1	0.0	9.00	0.0	
	1981	4	0.2	74.00	0.0	0	0.0	0.00	0.0	4	0.2	74.00	0.0	
	TOTAL	5	0.3	83.00	0.0	0	0.0	0.00	0.0	5	0.2	83.00	0.0	
GREEN SUNFISH HYBRID	1981	5	0.2	30.00	0.0	0	0.0	0.00	0.0	5	0.2	30.00	0.0	
	TOTAL	5	0.2	30.00	0.0	0	0.0	0.00	0.0	5	0.2	30.00	0.0	
	UNIDENTIFIED HYBRID SUNFISH	1982	0	0.0	0.00	0.0	1	0.3	5.31	0.7	1	0.1	5.31	0.7
UNIDENTIFIED SUNFISH	TOTAL	0	0.0	0.00	0.0	1	0.3	5.31	0.7	1	0.1	5.31	0.7	
	1977	0	0.0	0.00	0.0	24	0.3	1.39	0.0	24	0.2	1.39	0.0	
	1979	0	0.0	0.00	0.0	4	0.1	0.44	0.0	4	0.1	0.44	0.0	
	1981	1	0.0	0.91	0.0	14	1.1	1.89	0.1	15	0.5	2.80	0.0	
	1982	0	0.0	0.00	0.0	13	3.5	2.58	0.3	13	1.2	2.58	0.0	
	1983	2	0.2	20.70	0.0	54	4.6	10.06	1.2	56	2.6	30.76	0.0	
	1984	0	0.0	0.00	0.0	7	0.5	0.74	0.1	7	0.2	0.74	0.0	
	TOTAL	3	0.0	21.61	0.0	116	0.7	17.10	0.1	119	0.5	38.71	0.0	
	SMALLMOUTH BASS	1977	279	11.5	50341.59	17.5	14	0.1	147.30	2.1	293	2.5	50488.89	17.1
		1978	241	10.3	16781.63	12.9	1	0.1	1.59	0.1	242	8.3	16783.22	12.8
1979		239	17.1	27021.01	15.6	11	0.4	34.37	1.0	250	5.5	27055.38	15.4	
1981		175	8.5	32789.00	8.5	15	1.2	70.99	1.9	190	5.8	32859.99	9.4	
1982		95	13.5	22215.30	10.1	5	1.4	13.02	1.8	100	9.3	22228.32	10.1	
1983		185	18.1	17718.55	8.6	0	0.0	0.00	0.0	185	8.4	17718.55	8.6	
1984		223	15.2	20684.47	9.7	2	0.1	42.46	4.6	225	7.7	20726.93	9.5	
1985		558	21.2	56493.11	26.4	100	1.4	561.00	8.8	658	6.6	57054.11	25.9	
1986		223	8.6	19045.39	9.4	2	0.2	26.97	0.7	225	6.3	19072.36	7.2	
TOTAL		216	8.7	25618.72	15.3	5	0.2	110.49	4.1	221	4.7	25729.21	15.1	
LARGEMOUTH BASS	TOTAL	2434	12.7	288709	13.1	155	0.5	1008.19	3.2	2589	5.5	289716.96	13.0	
	1977	43	1.8	1127.59	0.4	11	0.1	175.68	2.5	54	0.5	1303.27	0.4	
	1978	80	3.4	746.54	0.6	17	1.2	56.91	3.4	97	2.6	803.45	0.6	
	1979	12	0.9	166.96	0.1	6	0.2	20.74	0.6	18	0.4	187.70	0.1	
	1981	51	2.5	6243.00	1.6	10	0.8	249.03	6.8	61	1.9	6492.03	1.7	
	1982	9	1.3	249.83	0.1	17	4.6	30.83	4.2	26	2.4	280.66	0.1	
	1983	27	2.6	1014.94	0.5	8	0.7	43.23	5.1	35	1.6	1058.17	0.5	
	1984	16	1.1	987.28	0.5	5	0.3	23.13	2.5	21	0.7	1010.41	0.5	
	1985	45	1.7	3515.96	1.6	22	0.3	126.90	2.0	67	0.7	3642.86	1.7	
	1986	25	1.0	3119.25	1.5	1	0.1	4.67	0.1	26	0.7	3123.92	1.5	
1987	46	1.9	1528.01	0.9	20	0.9	132.57	4.9	66	1.4	1660.58	1.0		
TOTAL	354	1.9	18699.36	0.8	117	0.4	863.69	2.8	471	1.0	19563.05	0.9		
UNIDENTIFIED BLACK BASS	1983	0	0.0	0.00	0.0	3	0.3	0.16	0.0	3	0.1	0.16	0.0	
	TOTAL	0	0.0	0.00	0.0	3	0.3	0.16	0.0	3	0.1	0.16	0.0	
	WHITE CRAPPIE	1977	6	0.2	477.06	0.2	26	0.3	22.20	0.3	32	0.3	499.26	0.2
1978	2	0.1	52.00	0.0	8	0.6	5.25	0.3	10	0.3	57.25	0.0		
1979	23	1.6	1422.55	0.8	44	1.4	300.39	8.7	67	1.5	1722.94	1.0		
1981	74	3.6	5708.00	1.5	28	2.3	791.69	21.7	102	3.1	6499.69	1.7		
1982	6	0.9	992.00	0.4	5	1.4	2.95	0.4	11	1.0	994.95	0.4		
1983	7	0.7	798.00	0.4	2	0.2	72.32	8.6	9	0.4	870.32	0.4		
1984	12	0.8	716.00	0.3	0	0.0	0.00	0.0	12	0.4	716.00	0.3		
1985	1	0.0	121.00	0.1	0	0.0	0.00	0.0	1	0.0	121.00	0.1		
1986	2	0.1	165.00	0.1	2	0.2	15.86	0.4	4	0.1	180.86	0.1		
1987	1	0.0	139.00	0.1	0	0.0	0.00	0.0	1	0.0	139.00	0.1		
TOTAL	134	0.7	10590.61	0.5	115	0.4	1210.66	3.9	249	0.5	11801.27	0.5		
BLACK CRAPPIE	1977	24	1.0	1206.87	0.4	130	1.4	839.82	12.1	154	1.3	2046.69	0.7	
	1978	3	0.1	126.00	0.1	11	0.8	11.16	0.7	14	0.4	137.16	0.1	
	1979	8	0.6	700.00	0.4	22	0.7	65.05	1.9	30	0.7	765.05	0.4	
	1981	15	0.7	1655.00	0.4	36	2.9	156.42	4.3	51	1.6	1811.42	0.5	
	1982	1	0.1	18.00	0.0	9	2.4	14.96	2.0	10	0.9	32.96	0.0	
	1986	2	0.1	442.00	0.2	2	0.2	18.75	0.5	4	0.1	460.75	0.2	
	1987	4	0.2	227.00	0.1	1	0.0	30.82	1.1	5	0.1	257.82	0.2	
	TOTAL	57	0.4	4374.87	0.3	211	1.1	1136.98	4.9	268	0.8	5511.35	0.3	
	RAINBOW DARTER	1977	1	0.0	0.58	0.0	1	0.0	0.43	0.0	2	0.0	1.01	0.0
		TOTAL	1	0.0	0.58	0.0	1	0.0	0.43	0.0	2	0.0	1.01	0.0
JOHNNY DARTER		1977	2	0.1	2.09	0.0	36	0.4	20.26	0.3	38	0.3	22.35	0.0
1978	3	0.1	1.39	0.0	62	4.5	24.42	1.4	65	1.7	25.81	0.0		
1979	0	0.0	0.00	0.0	53	1.7	15.09	0.4	53	1.2	15.09	0.0		
1982	0	0.0	0.00	0.0	20	5.4	7.79	1.0	20	1.9	7.79	0.0		
1983	0	0.0	0.00	0.0	34	2.9	10.99	1.3	34	1.6	10.99	0.0		
1984	0	0.0	0.00	0.0	29	2.0	9.42	1.0	29	1.0	9.42	0.0		
1985	2	0.1	1.28	0.0	214	2.9	113.02	1.8	216	2.2	114.30	0.1		
1986	1	0.0	0.23	0.0	26	2.7	9.82	0.3	27	0.8	10.05	0.0		
1987	2	0.1	1.15	0.0	86	3.8	34.56	1.3	88	1.9	35.71	0.0		
TOTAL	10	0.1	6.14	0.0	560	2.1	245.37	0.9	570	1.3	251.51	0.0		
BANDED DARTER	1977	0	0.0	0.00	0.0	11	0.1	3.05	0.0	11	0.1	3.05	0.0	
	TOTAL	0	0.0	0.00	0.0	11	0.1	3.05	0.0	11	0.1	3.05	0.0	
	YELLOW PERCH	1977	2	0.1	11.46	0.0	1	0.0	7.53	0.1	3	0.0	18.99	0.0
1978	5	0.2	132.00	0.1	0	0.0	0.00	0.0	5	0.1	132.00	0.1		
1979	2	0.1	22.94	0.0	0	0.0	0.00	0.0	2	0.0	22.94	0.0		
1981	1	0.0	16.00	0.0	0	0.0	0.00	0.0	1	0.0	16.00	0.0		
1983	2	0.2	86.00	0.0	0	0.0	0.00	0.0	2	0.1	86.00	0.0		
1985	0	0.0	0.00	0.0	1	0.0	1.84	0.0	1	0.0	1.84	0.0		
TOTAL	12	0.1	268.40	0.0	2	0.0	9.37	0.0	14	0.0	277.77	0.0		
LOG PERCH	1987	4	0.2	11.02	0.0	2	0.1	3.02	0.1	6	0.1	14.04	0.0	
	TOTAL	4	0.2	11.02	0.0	2	0.1	3.02	0.1	6	0.1	14.04	0.0	
	BLACKSIDE DARTER	1977	0	0.0	0.00	0.0	1	0.0	2.14	0.0	1	0.0	2.14	0.0
1978	1	0.0	2.08	0.0	3	0.2	2.82	0.2	4	0.1	4.90	0.0		
1979	0	0.0	0.00	0.0	10	0.3	6.08	0.2	10	0.2	6.08	0.0		
1981	0	0.0	0.00	0.0	1	0.1	0.39	0.0	1	0.0	0.39	0.0		
1982	0	0.0	0.00	0.0	5	1.4	3.63	0.5	5	0.5	3.63	0.0		
1983	3	0.3	1.83	0.0	5	0.4	4.02	0.5	8	0.4	5.85	0.0		
1984	1	0.1	0.64	0.0	0	0.0	0.00	0.0	1	0.0	0.64	0.0		
1985	3	0.1	3.83	0.0	35	0.5	44.08	0.7	38	0.4	47.91	0.0		
1986	0	0.0	0.00	0.0	1	0.1	3.69	0.1	1	0.0	3.69	0.0		
1987	3	0.1	3.48	0.0	9	0.4	9.30	0.3	12	0.3	12.78	0.0		
TOTAL	11													

APPENDIX D-12 (CONT.). TOTAL CATCH (BY METHOD) FOR EACH SPECIES COLLECTED AT ALL STATIONS OF THE
 BRAIDWOOD AQUATIC MONITORING AREA DURING AUGUST 1977-79, AUGUST 1981-83, JULY/AUGUST 1984-85, AND AUGUST 1986-87.

SPECIES	---ELECTROFISHING---				---SEINING---				---TOTAL---				
	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	NO.	%NO.	WT(G)	%WT	
SLENDERHEAD DARTER	1977	0	0.0	0.00	0.0	4	0.0	3.07	0.0	4	0.0	3.07	0.0
	1979	0	0.0	0.00	0.0	1	0.0	0.39	0.0	1	0.0	0.39	0.0
	1985	1	0.0	0.98	0.0	24	0.3	22.71	0.4	25	0.3	23.69	0.0
	1986	1	0.0	2.01	0.0	5	0.5	7.02	0.2	6	0.2	9.03	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.92	0.0	1	0.0	0.92	0.0
TOTAL	2	0.0	2.99	0.0	35	0.2	34.11	0.1	37	0.1	37.10	0.0	
WALLEYE	1977	27	1.1	1297.00	0.5	0	0.0	0.00	0.0	27	0.2	1297.00	0.4
	1979	5	0.4	1218.00	0.7	0	0.0	0.00	0.0	5	0.1	1218.00	0.1
	1981	7	0.3	3239.00	0.8	0	0.0	0.00	0.0	7	0.2	3239.00	0.8
	1982	1	0.1	5.47	0.0	0	0.0	0.00	0.0	1	0.1	5.47	0.0
	1983	2	0.2	305.00	0.1	0	0.0	0.00	0.0	2	0.1	305.00	0.1
	1984	1	0.1	590.00	0.3	0	0.0	0.00	0.0	1	0.0	590.00	0.3
	1985	4	0.2	905.00	0.4	0	0.0	0.00	0.0	4	0.0	905.00	0.4
	1987	3	0.1	117.61	0.1	0	0.0	0.00	0.0	3	0.1	117.61	0.1
	TOTAL	50	0.4	7677.08	0.4	0	0.0	0.00	0.0	50	0.1	7677.08	0.4
	1984	1	0.1	425.00	0.2	0	0.0	0.00	0.0	1	0.0	425.00	0.2
1986	1	0.0	325.00	0.2	0	0.0	0.00	0.0	1	0.0	325.00	0.2	
1987	1	0.0	640.00	0.4	0	0.0	0.00	0.0	1	0.0	640.00	0.4	
TOTAL	3	0.0	1390.00	0.2	0	0.0	0.00	0.0	3	0.0	1390.00	0.2	
FRESHWATER DRUM	1977	0	0.0	0.00	0.0	4	0.0	3.07	0.0	4	0.0	3.07	0.0
	1979	0	0.0	0.00	0.0	1	0.0	0.39	0.0	1	0.0	0.39	0.0
	1985	1	0.0	0.98	0.0	24	0.3	22.71	0.4	25	0.3	23.69	0.0
	1986	1	0.0	2.01	0.0	5	0.5	7.02	0.2	6	0.2	9.03	0.0
	1987	0	0.0	0.00	0.0	1	0.0	0.92	0.0	1	0.0	0.92	0.0
TOTAL	2	0.0	2.99	0.0	35	0.2	34.11	0.1	37	0.1	37.10	0.0	