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ECOLOGICAL STUDIES OF THE CONNECTICUT RIVER VERNON / VERMONT

REPORT XVIII

SUMMARY AND DATA

JANUARY 1988 - DECEMBER 1988

prepared for

VERMONT YANKEE NUCLEAR POWER CORPORATION
BRATTLEBORO, VERMONT

by

AQUATEC, INC.
SOUTH BURLINGTON, VERMONT

MAY 1989

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1. INTRODUCTION

This report was prepared to fulfill requirements of Vermont Yankee Nuclear Power Plant's discharge permit, NPDES No. VT0000264, which was issued on 9 January 1986 and will be in effect until 31 December 1990. A copy of the NPDES permit is in Appendix G.

Material in this report demonstrates compliance with thermal criteria defined in Part I, Effluent Limitations and Monitoring Requirements, of the NPDES permit. Results of the environmental monitoring program defined in Appendix A, Section I, Routine Monitoring of the permit, are also reported in this document. Appendix A, Section II, defines goals that will be addressed before 1990. A final proposal for goal-oriented studies during 1988 was submitted to members of the Environmental Advisory Committee (EAC) on 29 February 1988. This program was approved and conducted in 1988 and results will be published in future analytical bulletins.

This is the third annual report produced under requirements of the five-year permit. This report discusses thermal standards, water quality, plankton, macroinvertebrates, and fish. Environmental sample stations referred to in the following sections of this report are presented in Figures 1.1 and 6.1.

Analysis of environmental impact and evaluations relevant to the Vermont Yankee/Connecticut River system are presented separately in analytical bulletins. During 1988, bulletins 19, 20 and 21 were completed.

<u>Analytical Bulletin 19</u>
Temporal and Spatial Distribution
of Macroinvertebrates in
Upper Turners Falls Pool
by Susan M. Wood

<u>Analytical Bulletin 20</u>
Temporal and Spatial Distribution
of Zooplankton in
Upper Turners Falls Pool
by Maria J. Timmons

Analytical Bulletin 21

Age-Growth of Juvenile American Shad (*Alosa sapidissima* (Wilson)) Collected in Different Habitats in Upper Turners Falls Pool

by Philip C. Downey

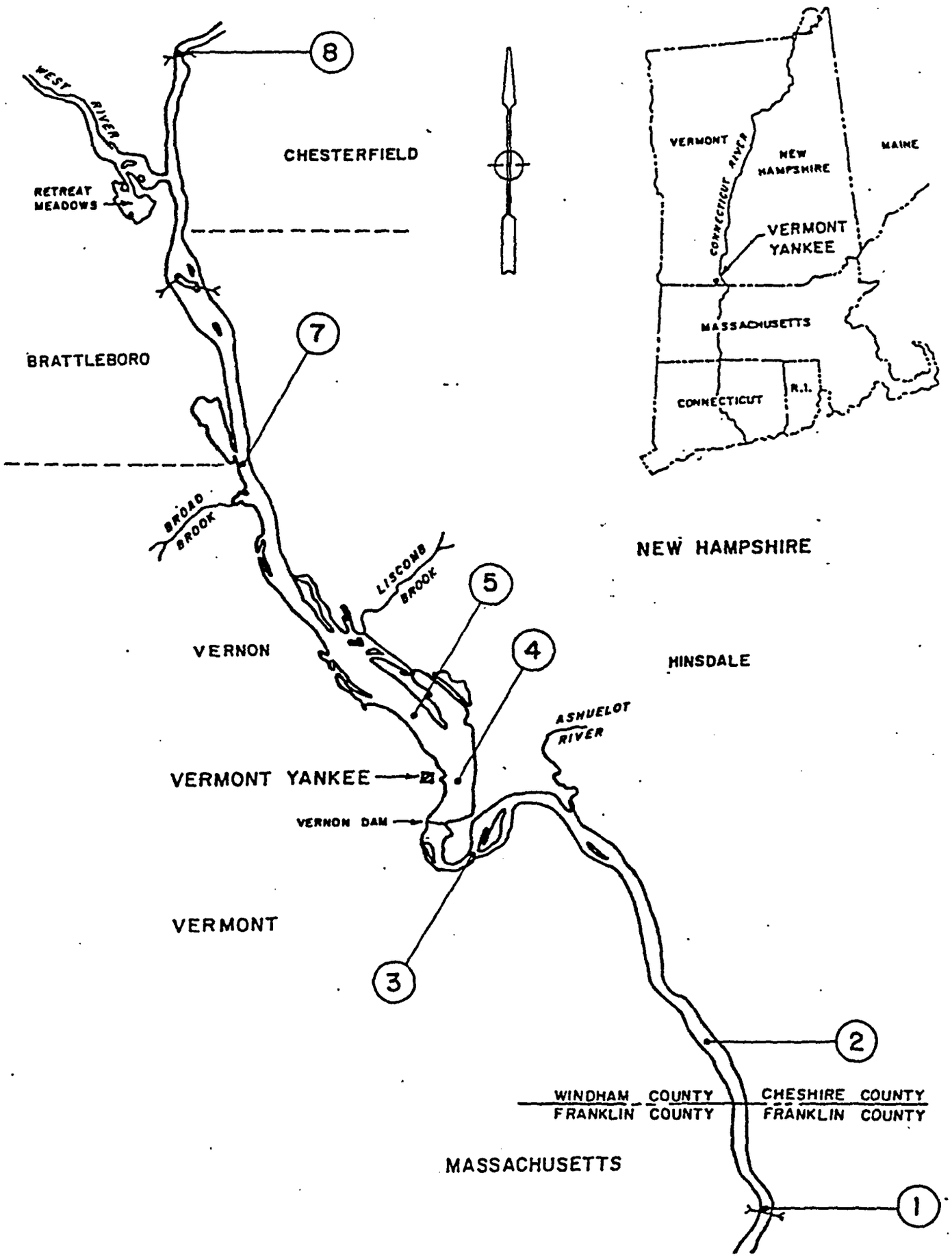

Figure I.I ENVIRONMENTAL SAMPLE STATIONS

2. COMPLIANCE WITH THERMAL STANDARDS

2.1 Thermal Standards

The operational mode of Vermont Yankee's cooling water system is related to calendar dates. In the 1986-1990 permit, hybrid cycle cooling is permitted from 16 May through 14 October. At least a 1°F increase, attributable to Vermont Yankee, in mixed river temperature is allowed at all times, which is consistent with the State of Vermont's classification of this portion of the Connecticut River as a coldwater fishery. For testing purposes, the thermal criteria which apply to warmwater fisheries are permitted until 31 December 1990. These criteria allow up to a 5°F temperature increase when upstream temperatures are less than 55°F. The allowable temperature increase is reduced from 5°F in increments of one degree as the upstream river temperature rises. When the upstream river temperature exceeds 66°F, only a 1°F increase is allowed.

During the period of 15 October through 15 May, Vermont Yankee is permitted to discharge heat to the Connecticut River within the following thermal standards (section b.(3) of the NPDES permit). These criteria are the same as those in the previous NPDES permit.

1. The temperature at Monitor 3 during open cycle operation shall not exceed 65°F.

2. The rate of change of temperature at Monitor 3 shall not exceed 5°F per hour.

3. The increase in temperature above ambient at Monitor 3 shall not exceed 13.4°F.

The river discharge near Vernon is regulated to remain at or above 1200 cubic feet per second (cfs). Since the theoretical increase in temperature due to Vermont Yankee's thermal discharge at a river flow of 1200 cfs is 13.4°F, these standards, in effect, permit open cycle condenser cooling without cooling tower operation when ambient river temperatures are less than 51.6°F. If ambient river temperatures are greater than 51.6°F, the amount of heat discharged to the river can be reduced by utilizing the cooling towers.

2.2 Methods of Demonstrating Compliance

Compliance with the criterion that limits open cycle operation to times when the downstream temperature is less than 65°F was demonstrated by examination of river temperature and plant operating records.

Rate of change of temperature is defined in the NPDES permit as the difference between consecutive hourly average temperatures. Measurements at Station 3 were used to calculate these differences.

Increase in temperature above ambient is defined in the NPDES permit as a plant-induced temperature increase as calculated by equation 1-1 in the report 316 Demonstration (Binkerd et al. 1978). This equation is based on the principle of conservation of energy, a principle which was integral to a computer simulation of the Vermont Yankee/Connecticut River system. Using measured temperature, gross and net electrical power and core thermal power, the amount of heat discharged to the river was calculated. Then, using thermodynamic and hydrodynamic principles and the river discharge information, the mixed river temperature increase was calculated.

2.3 Thermal Impact

Figures in this section illustrate the principle of conservation of energy as applied to the Vermont Yankee/Connecticut River system. Figure 2.1 depicts core thermal, gross, and net power produced by Vermont Yankee in 1988. These data were obtained from hourly records supplied by Vermont Yankee. Gross and net electrical power records were obtained from Meter Data Sheets, VYAPF 0158.01. Core thermal power data were obtained from Core Exposure Log Work Sheets, VYDPF 0415.02. The licensed maximum reactor core thermal power is limited to 1593 MW (megawatts). About one-third of this power was converted to electrical power, and the remainder was transferred as heat to the atmosphere via the cooling towers or to the river. Figure 2.2 depicts heat discharged to the river.

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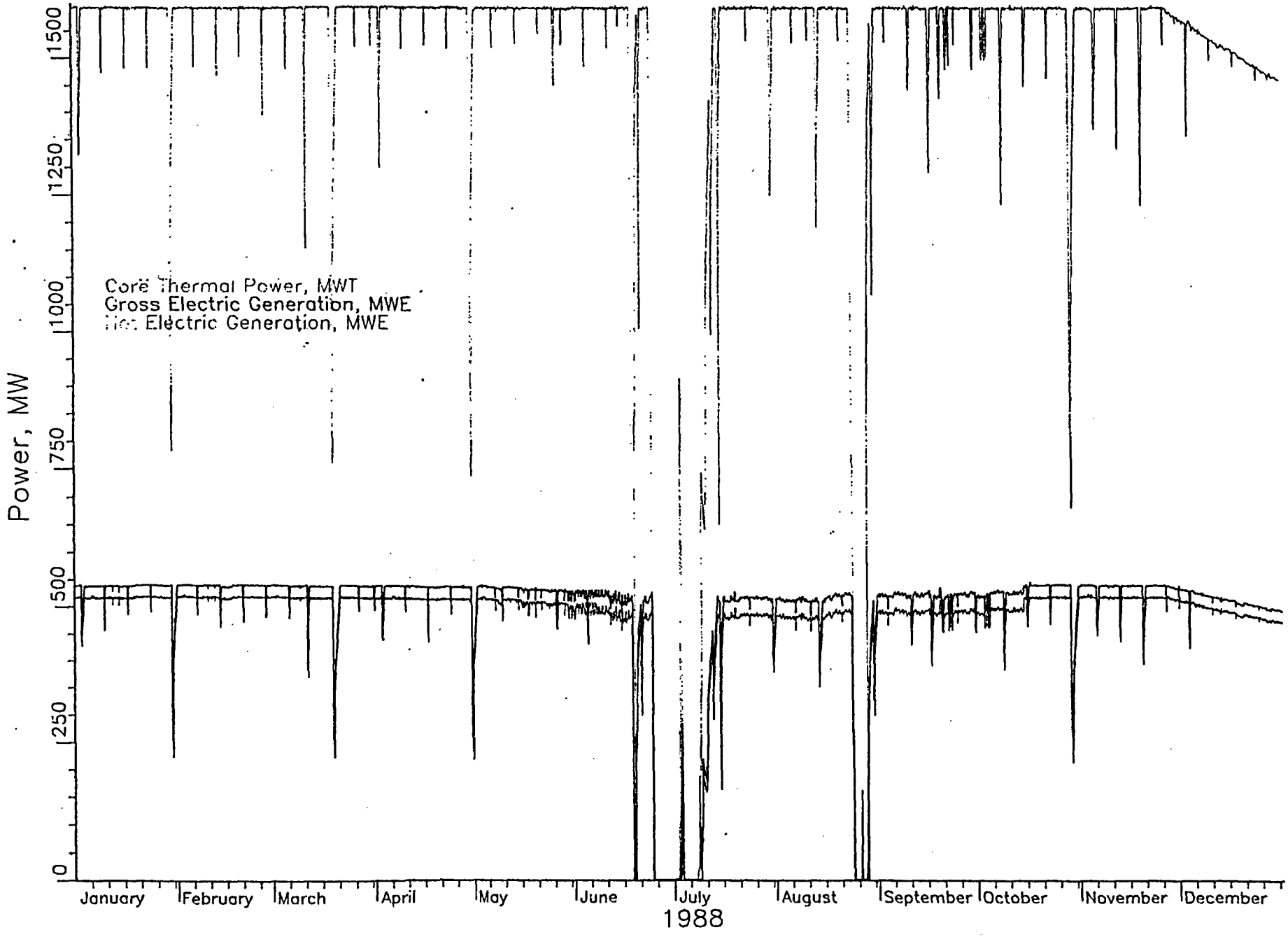

Figure 2.1 Vermont Yankee Power, 1988

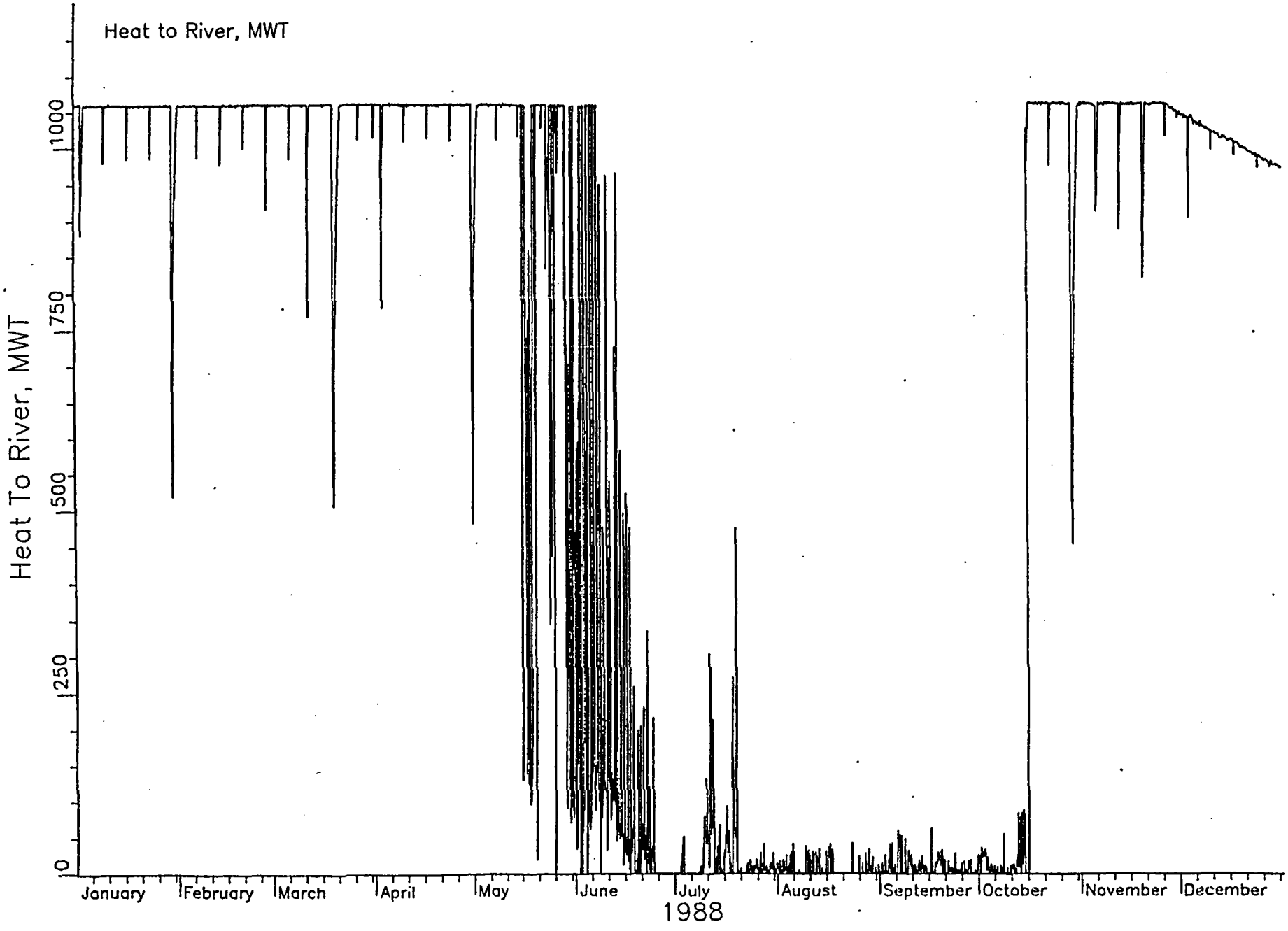

Figure 2.2 Vermont Yankee Discharged Heat, 1988

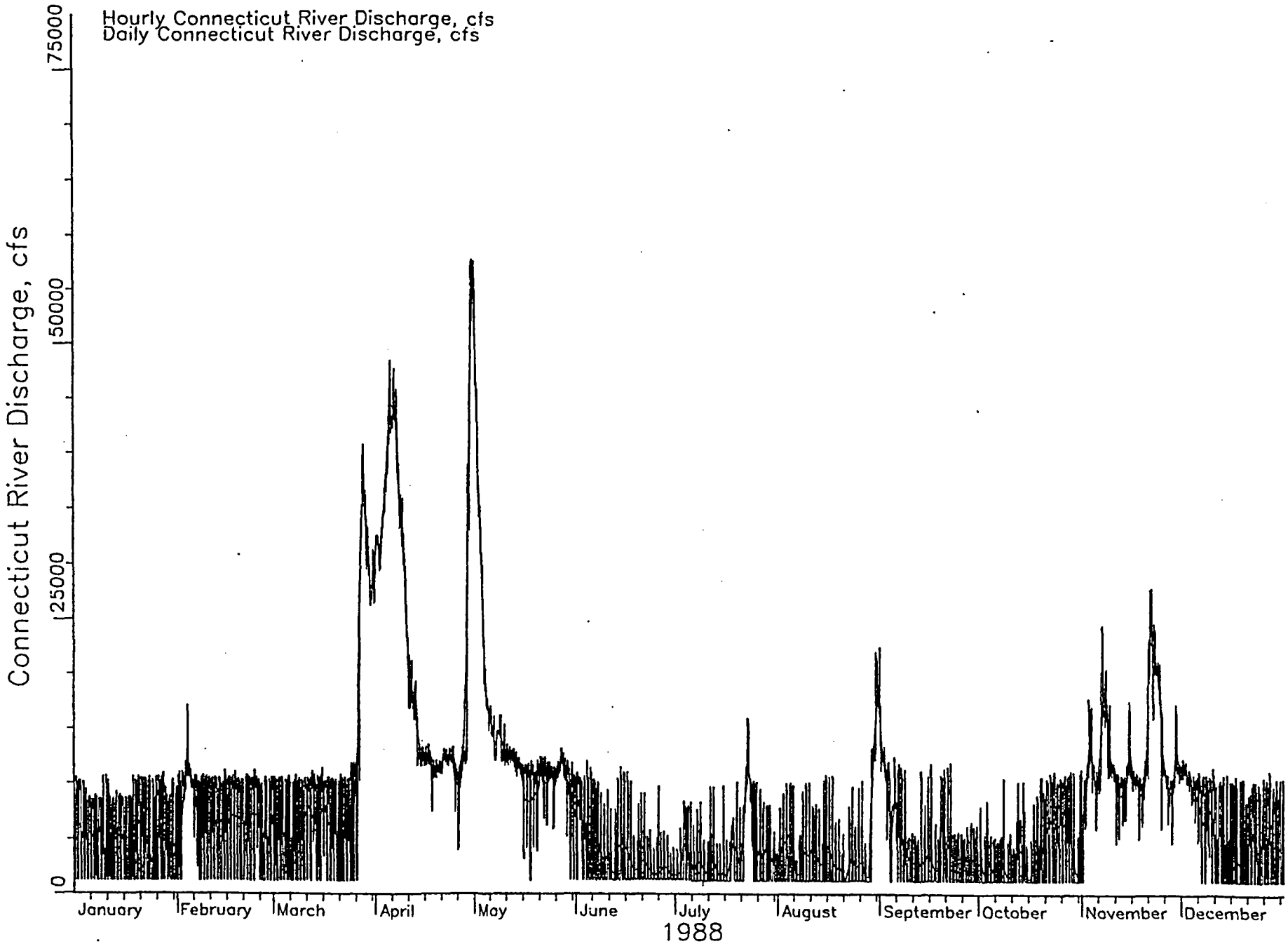

Figure 2.3 Connecticut River Discharge, 1988

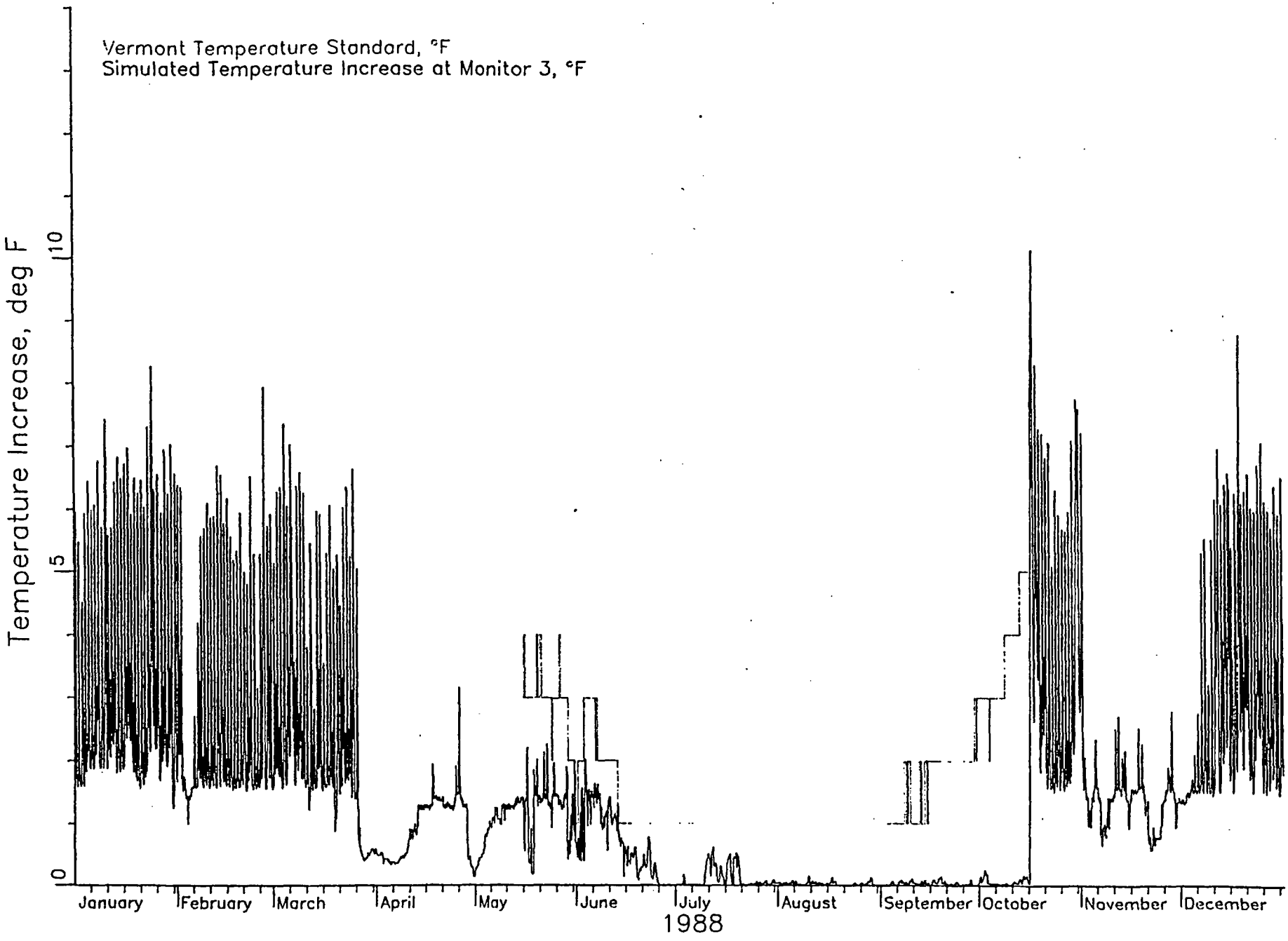

Figure 2.4 Connecticut River Temperature Increase, 1988

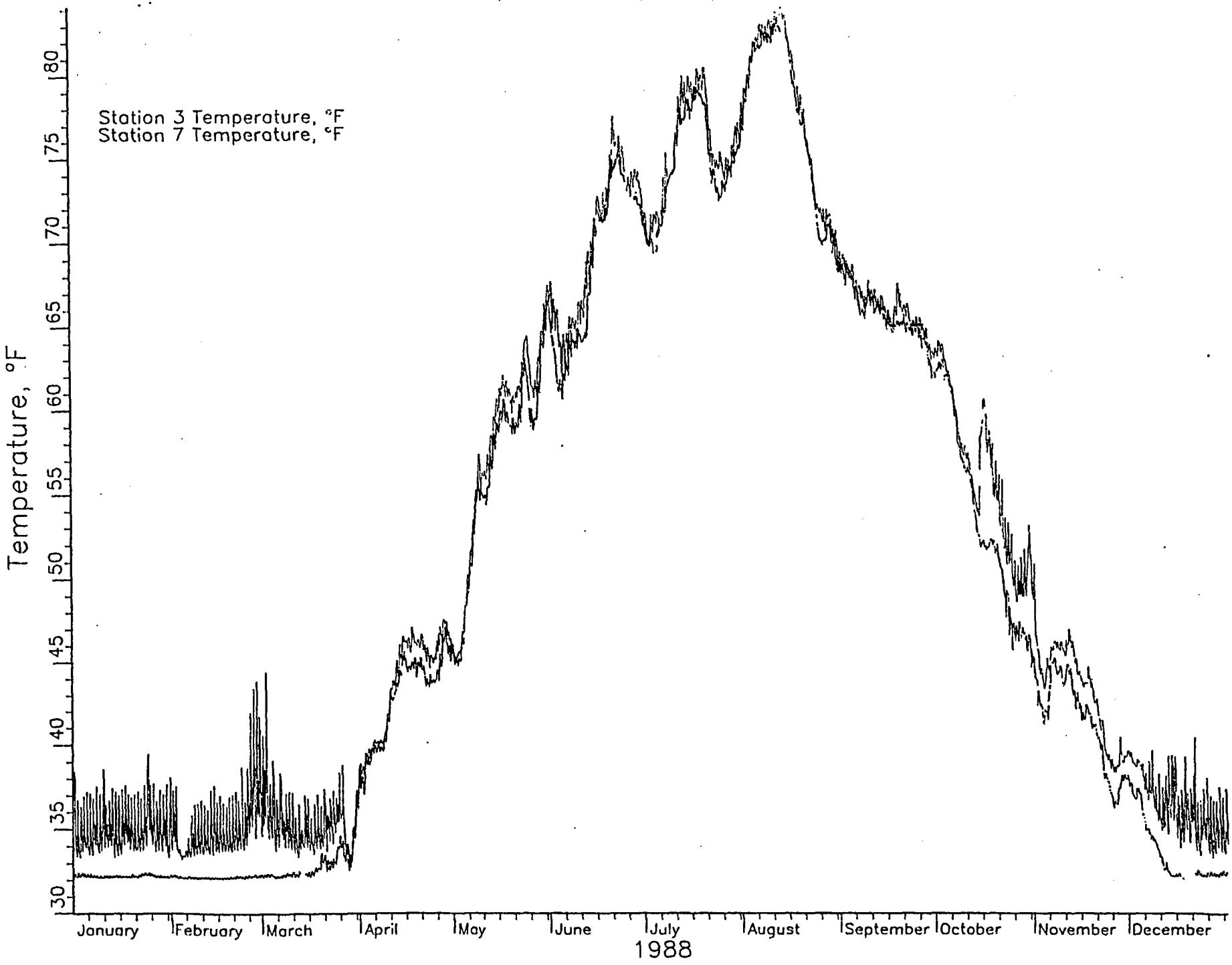

Figure 2.5 Connecticut River Temperatures, 1988

3. WATER QUALITY

Water quality analyses were conducted monthly during 1988 at Monitors 3 and 7. Analyses were also done monthly at the plant discharge when the plant was operating. The only water quality parameter monitored on a continuous basis was water temperature. These data, as well as Connecticut River flow values, are tabulated in Appendix A. The results of Biochemical Oxygen Demand (BOD) analyses, performed monthly on upstream river water, also appear in Appendix A as plots of oxygen depletion versus time.

Vermont Yankee, as part of its NPDES permit, is required to operate its circulating water system to maintain the pH of the discharge to the Connecticut River within the following limits:

Open Cycle pH = 6.5 - 8.0
Hybrid Cycle pH = 6.5 - 8.0
Closed Cycle = 6.5 - 8.5

Monitoring of pH is required on a continuous basis, but if a continuous pH monitoring system is inoperable, a daily grab sample is required. Measurements of pH in discharge water in 1988 and reporting of these results to the Vermont Agency of Natural Resources have been done by Vermont Yankee personnel.

Vermont Yankee personnel have historically measured circulating water pH continuously after the condensers and before the cooling tower forebay. This system used to monitor pH was inoperable during 1988, so grab sampling of the discharge was initiated. This sampling occurred at various points depending upon the operational mode, including the cooling tower forebay, the discharge forebay, and the spray pond. It was during this period of grab sampling that measured pH values exceeded those specified in the permit.

As reported by Vermont Yankee, the highest value measured while on hybrid cycle was a pH of 8.38. On four occasions pH exceeded 8.0 during hybrid cycle operation. The durations of exceedences was less

than two hours on all occasions. Administrative and technical measures were implemented to control pH to below the 8.0 limit, but they were not entirely successful. Vermont Yankee management decided to operate on closed cycle cooling mode on 19 July 1988 and remained in this mode of condenser cooling through 14 October 1988. With the plant in closed cycle mode the permit allows circulating water discharge up to a pH of 8.5. After 14 October 1988, the plant operated in an open cycle mode and the discharge pH was essentially the same as river pH.

3.1 Methods of Collection and Processing

Water quality grab samples were collected twelve times in 1988 at Monitors 3, 7, and from the plant discharge, since the plant was operating during each month of 1988. The samples collected from Monitor 3 and plant discharge were analyzed for thirteen parameters each, while samples from Monitor 7 were analyzed for twenty-eight parameters. These parameters and their corresponding analytical method are listed in Appendix A.

3.2 Summary

During 1988, pH values reported by Vermont Yankee exceeded the technical standard listed for hybrid cycle operation. Concentrations observed for all additional parameters in 1988 at both Monitors 3 and 7 were within the range observed in samples from earlier years of study except for a high nitrate concentration (1.64 mg/l) at Monitor 7 on 15 August 1988.

4. PLANKTON STUDIES

4.1 Phytoplankton Studies

Under the current NPDES permit, monthly phytoplankton collections are required when Vermont Yankee is operating in open or hybrid cycle from April through November at the intake and discharge or in front of the intake structure only if the plant is not operating. Duplicate samples were taken and analyzed for proportions of living organisms when the plant was operating. When the plant was not operating, duplicate samples were collected at the intake and preserved for subsequent identification and enumeration.

4.1.1 Methods of Collection and Processing

During open or hybrid cycle (April-July and October-November), plankton samples were collected by filtering 40 liters of river water through a #20 mesh Wisconsin plankton net. Samples were analyzed immediately for living organisms using a Sedgewick-Rafter counting cell and a compound microscope at 150 magnification. Phytoplankton cells were counted as living if chloroplasts were intact and healthy or if movement was observed. The remainder of the sample was preserved with formalin for subsequent confirmation of identification.

For the closed cycle operation of August and September, 250 ml whole water grab samples were obtained for phytoplankton enumeration and preserved with Lugol's solution. Grab samples were analyzed using a sedimentation tube and chamber with an inverted scope at 200 magnification.

All organisms were identified to the lowest feasible taxonomic level. References used in phytoplankton identification included Prescott (1962), Patrick and Reimer (1966, 1975), and Bourrelly (1970, 1972, 1981).

Entrainment data for zooplankton are displayed in Table 4.4. The percentage of living organisms in the intake samples ranged from 13% to 79%. In the discharge samples, the percentage of living organisms ranged from 1% to 58%.

Table 4.1 Checklist of phytoplankton of the Connecticut River near Vernon, Vermont in 1988.

CYANOCHLORONTA
- Cyanophyceae
  - Chroococcales
    - Chroococcaceae
      - *Aphanothece* sp.
      - *Gomphosphaeria* sp.
      - *Gomphosphaeria aponina*
      - *Gomphosphaeria lacustris*
      - *Microcystis* sp.
  - Nostocales
    - Nostocaceae
      - *Anabaena* sp.
      - *Anabaena planctonica*
      - *Aphanizomenon flos-aquae*
    - Oscillatoriaceae
      - *Lyngbya* sp.
      - *Oscillatoria* sp.
      - *Oscillatoria limnetica*
      - *Phormidium* sp.

CHLOROPHYCOPHYTA
- Chlorophyceae
  - Volvocales
    - Chlamydomonaceae
      - *Chlamydomonas* sp.
    - Volvocaceae
      - *Eudorina* sp.
      - *Gonium* sp.
      - *Pandorina* sp.
  - Chlorococcales
    - Chlorococcaceae
      - *Schroederia* sp.
      - *Tetraedron* sp.
      - *Tetraedron caudatum* var. *longispinum*
      - *Tetraedron minimum*
    - Palmellaceae
      - *Gloeocystis* sp.
      - *Gloeocystis gigas*
      - *Sphaerocystis* sp.
      - *Sphaerocystis Schroeteri*
    - Oocystaceae
      - *Ankistrodesmus* sp.
      - *Ankistrodesmus convolutus*
      - *Ankistrodesmus falcatus*
      - *Kirchneriella* sp.
      - *Nephrocytium* sp.
      - *Oocystis* sp.
      - *Quadrigula* sp.
      - *Selenastrum* sp.

Table 4.1 (continued)

- *Selenastrum minutum*
- *Treubaria* sp.
- *Westella linearis*

Micractinaceae
- *Micractinium pusillum*

Dictyosphaeriaceae
- *Dictyosphaerium* sp.
- *Dictyosphaerium pulchellum*

Scenedesmaceae
- *Coelastrum* sp.
- *Crucigenia* sp.
- *Crucigenia crucifera*
- *Crucigenia quadrata*
- *Scenedesmus* sp.
- *Scenedesmus arcuatus*
- *Scenedesmus dimorphus*
- *Scenedesmus quadricauda*

Hydrodictyaceae
- *Pediastrum* sp.
- *Pediastrum Boryanum*
- *Pediastrum duplex*
- *Pediastrum duplex* var. *gracilimum*
- *Pediastrum simplex*

Coccomyxaceae
- *Elakatothrix viridis*

Zygnematales

Zygnemataceae
- *Mougeotia* sp.
- *Spirogyra* sp.

Desmidiaceae
- *Cosmarium* sp.
- *Staurastrum* sp.

Oedogoniales

Oedogoniaceae
- *Bulbochaeta* sp.

Tetrasporales

Tetrasporaceae
- *Tetraspora* sp.

EUGLENOPHYCOPHYTA

Euglenophyceae

Euglenales

Euglenaceae
- *Euglena* sp.
- *Phacus* sp.
- *Trachelomonas* sp.

CHRYSOPHYCOPHYTA

Chrysophyceae

Ochromonadales

Dinobryaceae

Table 4.1 (continued)

- *Dinobryon* sp.
- *Dinobryon bavaricum*
- *Dinobryon divergens*
- *Dinobryon sertularia*
- Synuraceae
  - *Mallomonas* sp.
  - *Mallomonas pseudocoronata*
  - *Synura uvella*
- Xanthophyceae
  - Heterococcales
    - Chlorotheciaceae
      - *Centritractus* sp.
- BACILLARIOPHYCOPHYTA
  - Bacillariophyceae
    - Fragilariales
      - Fragilariaceae
        - *Asterionella* sp.
        - *Asterionella formosa*
        - *Fragilaria* sp.
        - *Fragilaria crotonensis*
        - *Synedra* sp.
        - *Synedra ulna*
        - *Tabellaria* sp.
        - *Tabellaria fenestrata*
    - Naviculales
      - Naviculaceae
      - Cymbellaceae
        - *Cymbella* sp.
    - Surirellales
      - Surirellaceae
        - *Surirella* sp.
        - *Surirella ovalis*
    - Coscinodiscales
      - Coscinodiscaceae
        - *Melosira* sp.
        - *Melosira varians*
    - Rhizosoleniales
      - Rhizosoleniaceae
        - *Rhizosolenia* sp.
    - Biddulphiales
      - Chaetoceraceae
        - *Attheya* sp.
- PYRROPHYCOPHYTA
  - Dinophyceae
    - Peridiniales
      - Peridinaceae
        - *Peridinium* sp.
      - Ceratiaceae
        - *Ceratium hirundinella*
      - Glenodinaceae
        - *Glenodinium* sp.

Table 4.1 (continued)

CRYPTOPHYCOPHYTA
- Cryptophyceae
  - Cryptomonadales
    - Cryptomonadaceae
      - *Chroomonas* sp.
      - *Cryptomonas* sp.
      - *Cryptomonas ovata*

RHODOPHYCOPHYTA
- Rhodophyceae
  - Nemalionales
    - Batrachospermaceae
      - *Batrachospermum* sp.

Table 4.2 Summary of phytoplankton entrainment in 1988.

Vermont Yankee Intake

Date	Units Counted	% Live	Dominant Live Organism(s)
12 April	50	56	Fragilaria sp.
	73	85	Fragilaria sp.
12 May	235	84	Fragilaria sp.
	200	96	Oscillatoria sp.
13 June	193	50	Anabaena sp.
	96	49	Anabaena sp.
13 July	423	88	Tabellaria sp.
	321	94	Tabellaria sp.
24 August*	368	-	Chroomonas spp.
	299	-	Chroomonas spp.
14 September*	298	-	Chroomonas spp.
	299	-	Chroomonas spp.
17 October	167	86	Melosira sp.
	166	47	Melosira sp.
14 November	53	28	Fragilaria sp.
	113	40	Melosira sp.

Vermont Yankee Discharge

12 April	153	84	Oscillatoria sp.
	127	89	Oscillatoria sp.
12 May	211	92	Oscillatoria sp.
	210	85	Oscillatoria sp.
13 June	146	72	Oscillatoria sp.
	202	91	Oscillatoria sp.
13 July	340	76	Tabellaria sp.
	337	91	Tabellaria sp.
17 October	147	42	Melosira sp.
	131	66	Fragilaria sp.
14 November	155	26	Fragilaria sp.
	121	26	Fragilaria sp.

* Whole water samples, plant on closed cycle.

Table 4.3 Checklist of zooplankton of the Connecticut River near Vernon, Vermont in 1988.

PROTOZOA
- Sarcodina
  - Testacida
    - Arcellidae
      - *Arcella vulgaris*
    - Difflugidae
      - *Difflugia* sp.
      - *Difflugia acuminata*
      - *Difflugia corona*
    - Centropyxidae
      - *Centropyxis aculeata*
  - Heliozoida
    - Actinophryidae
      - *Actinosphaerium eichhorni*
    - Myriophryidae
      - *Myriophrys paradoxa*
- Mastigophora
  - Phytomonadina
    - Volvocidae
      - *Volvox aureus*
- Ciliata
  - Gymnostomatida
    - Didiniidae
      - *Didinium* sp.
      - *Didinium nasutum*
    - Tracheliidae
      - *Paradileptus* sp.
  - Heterotrichida
    - Stentoridae
      - *Stentor* sp.
  - Hymenostomatida
    - Parameciidae
      - *Paramecium* sp.
  - Hypotrichida
    - Euplotidae
      - *Euplotes* sp.
  - Oligotrichida
    - Halteridae
      - *Strombidium* sp.
    - Tintinnidae
      - *Codonella cratera*
      - *Tintinnidium* sp.
  - Peritrichida
    - Vorticellidae
      - *Vorticella* sp.
    - Epistylidae
      - *Epistylis* sp.
    - Astylozoonidae
      - *Opisthonecta* sp.

Table 4.3 (continued)

NEMATODA
ROTATORIA
- Digononta
  - Bdelloida
    - Philodinidae
      - *Philodina* sp.
      - *Rotaria* sp.
- Monogononta
  - Floscularíacea
    - Conochilidae
      - *Conochilus unicornis*
    - Testudinellidae
      - *Filinia* sp.
      - *Filinia longiseta*
      - *Pompholyx sulcata*
      - *Testudinella* sp.
  - Collothecacea
    - Collothecidae
      - *Collotheca* sp.
      - *Collotheca mutabilis*
      - *Collotheca pelagica*
  - Ploima
    - Notommatidae
      - *Cephalodella gibba*
      - *Notommata* sp.
    - Synchaetidae
      - *Polyarthra* sp.
      - *Synchaeta* sp.
    - Ploesomatidae
      - *Ploesoma hudsoni*
      - *Ploesoma lenticulare*
      - *Ploesoma truncatum*
    - Gastropodidae
      - *Gastropus* sp.
      - *Gastropus stylifer*
    - Trichocercidae
      - *Trichocerca* sp.
      - *Trichocerca cylindrica*
      - *Trichocerca multicrinis*
      - *Trichocerca rattus*
      - *Trichocerca rousseleti*
    - Asplanchnidae
      - *Asplanchna* sp.
      - *Asplanchna priodonta*
    - Brachionidae
      - *Brachionus* sp.
      - *Brachionus angularis*
      - *Brachionus quadridentata*
      - *Euchlanis* sp.

Table 4.3 (continued)

- *Kellicottia bostoniensis*
- *Kellicottia longispina*
- *Keratella* sp.
- *Keratella cochlearis*
- *Keratella hiemalis*
- *Keratella serrulata*
- *Lecane leontina*
- *Lecane luna*
- *Lecane mira*
- *Lepadella* sp.
- *Lepadella ovalis*
- *Lepadella patella*
- *Macrochaetus* sp.
- *Monostyla lunaris*
- *Monostyla quadridentata*
- *Mytilina ventralis*
- *Notholca* sp.
- *Notholca acuminata*
- *Platyias patulus*
- *Trichotria pocillum*
- *Trichotria tetractis*

TARDIGRADA

ANNELIDA

ARTHROPODA

- Crustacea
  - Cladocera
    - Leptodoridae
      - *Leptodora kindtii*
    - Sididae
      - *Diaphanosoma brachyurum*
      - *Sida crystallina*
    - Daphnidae
      - *Ceriodaphnia* sp.
      - *Daphnia* sp.
      - *Scapholeberis* sp.
    - Bosminidae
      - *Bosmina longirostris*
    - Macrothricidae
      - *Ilyocryptus spinifer*
    - Chydoridae
      - *Alona* sp.
      - *Alona affinis*
      - *Alona costata*
      - *Alona guttata*
      - *Alona quadrangularis*
      - *Alonella* sp.
      - *Alonella excisa*
      - *Camptocercus rectirostris*
      - *Chydorus* sp.

Table 4.3 (continued)

- *Chydorus gibbus*
- *Chydorus sphaericus*
- *Graptoleberis testudinaria*
- *Pleuroxus denticulatus*
- *Pleuroxus striatus*
- Polyphemidae
  - *Polyphemus pediculus*
- Ostracoda
- Eucopepoda
  - Copepoda
    - *Copepoda nauplii*
    - *Copepoda adult*

Table 4.4 Summary of zooplankton entrainment in 1988.

Vermont Yankee Intake

Date	Units Counted	% Live	Dominant Live Organism(s)
12 April	30	53	
	33	61	
12 May	33	76	
	67	36	
13 June	254	71	*Synchaeta* sp.
	117	58	*Synchaeta* sp.
13 July	117	13	
	98	30	
24 August*	138	-	
	103	-	
14 September*	86	-	
	88	-	
17 October	198	79	
	101	29	
14 November	15	53	
	24	71	

Vermont Yankee Discharge

12 April	42	29	
	32	22	
12 May	26	50	
	30	33	
13 June	241	11	*Synchaeta* sp.
	199	6	*Synchaeta* sp.
13 July	186	2	
	211	1	
17 October	25	16	
	28	43	
14 November	33	58	
	20	35	

* Plant operating on closed cycle.

5. MACROINVERTEBRATE STUDIES

Collection of macroinvertebrates by Ekman dredge is required by the 1986 NPDES permit in June, August and October at four river stations. These dredge samples are supplemented with two collections taken by cages set for 30-60 days at the same river stations.

5.1 Methods of Collection and Processing

Macroinvertebrates were collected in 1988 using an Ekman dredge and cage samplers. The nine-inch square Ekman dredge collects organisms resident on the river bottom. Three samples consisting of three hauls each were collected, for a total of nine hauls per station. Ekman dredge samples were taken in June, August, and October at river quarter points (Vermont, mid-stream, and New Hampshire) of two stations upstream (Stations 4 and 5) and two stations downstream (Stations 2 and 3) of Vernon Dam.

A cage sampler collects organisms that have colonized the artificial substrate over an extended period of time. The cage samplers consisted of a modified minnow trap (1/4-inch wire mesh) filled with rocks two to three inches in diameter obtained from the river. Duplicate cage samplers were set near the Vermont shore of Stations 2,3,4, and 5 in June and August. In order to retrieve the required set of samples at each station, additional cages were set at Station 4 in September. Vandalism of cage samplers in 1988 occurred at Stations 2 and 4 but did not prevent the recovery of two collections at each station. The cages and associated organisms were retrieved in August, September and October. Three samples were collected after a period of 70-71 days, and the remaining five samples were collected after periods of 32-50 days.

Materials collected in the field by dredging or in the cages were concentrated through a set of standard sieves to reduce the amount of debris. Large debris and rocks retained by the larger mesh sieves were thoroughly examined for attached organisms before discarding. A

#30 USGS standard sieve was used to concentrate the final portion of the sample. Material retained by this sieve was preserved with 70% alcohol solution.

In the laboratory, preserved samples were examined with a 2 magnification hand lens and organisms were removed for taxonomic identification. If the sample contained large quantities of chironomid larvae, the total number of larvae was determined and a subsample of these organisms was identified taxonomically below the family level. Cladocerans, which were occasionally collected in large numbers in association with the cage samples, were not included as part of the macroinvertebrate summaries. These organisms are more appropriately classified as zooplankton. Bryozoans were quantified by their relative abundance within a sample (light, moderate, or heavy) and were not included in the macroinvertebrate summaries.

Identification of organisms to the lowest feasible taxonomic level was made with a dissecting microscope and/or an inverted microscope. Representative samples of chironomid larvae and oligochaetes were mounted on slides using a clearing mountant and examined under higher magnification (80x-1000x). Identification, taxonomy, and phylogeny of the invertebrates were consistent with Pennak (1978) and Merritt and Cummins (1984). Identifications were supplemented with the following keys: Jaques (1947), Mason (1973), Lewis (1974), Usinger (1974), Burks (1975), Parrish (1975), Johannsen (1977), Wiggins (1978), Schuster and Etnier (1978), and Simpson and Bode (1980).

5.2 Summary

During 1988, 108 Ekman dredge samples and eight cage samples were collected. From these samples 14,482 macroinvertebrates were identified, representing nine invertebrate phyla (Table 5.1). Organisms collected by dredge and cage samples comprised 55% and 45% of the total, respectively. Macroinvertebrate collection data are presented in Appendix D.

The composition of macroinvertebrates captured by sampling gear is presented in Figure 5.1. Organisms collected by dredge primarily consisted of dipterans (36%), oligochaetes (29%), and clams (20%). The composition of invertebrates colonizing the cage samplers was predominantly dipterans (72%). Hydrozoans and flat worms (Tricladida) were more frequently encountered in the cage samples than the dredge samples. Crustaceans and snails (Gastropoda) were rarely collected in both the cage samples and the dredge samples.

Organisms collected upstream by Ekman dredge represented 83% of the total numbers collected by dredge. The composition of macroinvertebrates was similar at Station 4 and 5 (Table 5.2). Dipterans, oligochaetes and clams were the dominant invertebrate taxa at both stations.

Over 90% of the total organisms captured upstream by cage sampler were collected at Station 5. Dipterans dominated (79%) the samples taken at Station 5 (Table 5.3). The macroinvertebrate community inhabiting the cage samplers at Station 4 consisted of dipterans (49%), trichopterans (17%), and oligochaetes (14%).

The majority of organisms (71%) collected downstream by Ekman dredge was found at Station 2 (Table 5.2). Dipterans were the most common organisms at both downstream stations, comprising 32% and 35% of total numbers at Station 2 and 3, respectively. In addition to the dipterans, the composition of macroinvertebrates at each station was evenly distributed among five additional taxa at Station 2, and three additional taxa at Station 3.

Invertebrates collected by cage sampler at Station 3 comprised 79% of the organisms captured in the downstream cage samples (Table 5.3). Dipterans dominated collections taken at Station 3, while at Station 2, the invertebrate community was represented by dipterans (30%), hydrozoans (25%), oligochaetes (15%), and trichopterans (11%).

Table 5.1 Checklist of macroinvertebrates of the Connecticut River near Vernon, Vermont in 1988.

PORIFERA
- Demospongea
  - Haplosclerina
    - Spongillidae

COELENTERATA
- Hydrozoa
  - Hydroida
    - Hydridae
      - *Hydra* sp.

PLATYHELMINTHES
- Turbellaria
  - Tricladida
    - Planariidae
      - *Dugesia tigrina*

NEMATODA

BRYOZOA
- Gymnolaemata
  - Ctenostomata
    - Paludicellidae
      - *Paludicella articulata*
  - Phylactolaemata
    - Fredericellidae
      - *Fredericella sultana*
    - Plumatellidae
      - *Plumatella* sp.
      - *Plumatella repens*
    - Lophopodidae
      - *Lophopodella carteri*
    - Pectinatellidae
      - *Pectinatella magnifica*

ANNELIDA
- Oligochaeta
  - Haplotaxida
    - Naididae
      - *Dero* sp.
      - *Pristina* sp.
      - *Stylaria lacustris*
    - Tubificidae
      - *Branchiura sowerbyi*
  - Lumbriculida
    - Lumbriculidae
      - *Lumbriculus* sp.
- Hirudinea
  - Rhynchobdellida
    - Glossiphonidae
      - *Actinobdella* sp.
      - *Helobdella elongata*
      - *Helobdella stagnalis*
      - *Placobdella* sp.

Table 5.1 (continued)

- Polychaeta
  - Sabellidae
    - *Manayunkia speciosa*
- ARTHROPODA
  - Arachnoidea
    - Araneae
    - Hydracarina
      - Arrenuridae
        - *Arrenurus* sp.
  - Crustacea
    - Cladocera
      - Leptodoridae
    - Isopoda
      - Asellidae
        - *Asellus* sp.
        - *Asellus racovitzai*
    - Amphipoda
      - Gammaridae
        - *Synurella* sp.
      - Talitridae
        - *Hyalella azteca*
    - Decapoda
      - Cambaridae
        - Cambarinae
          - *Orconectes* sp.
          - *Orconectes limosus*
    - Ostracoda
  - Insecta
    - Collembola
      - Entomobryidae
        - *Tomocerus* sp.
    - Plecoptera
      - Taeniopterygidae
        - *Taeniopteryx* sp.
      - Perlidae
        - *Acroneuria* sp.
    - Ephemeroptera
      - Baetidae
        - *Centroptilum* sp.
        - *Cloeon* sp.
        - *Pseudocloeon* sp.
      - Caenidae
        - *Brachycercus* sp.
        - *Caenis* sp.
      - Ephemerellidae
        - *Eurylophella bicolor*
      - Ephemeridae
        - *Hexagenia* sp.
        - *Hexagenia bilineata*
        - *Hexagenia limbata*
        - *Litobrancha recurvata*

Table 5.1 (continued)

- Heptageniidae
  - *Heptagenia flavescens*
  - *Leucrocuta* sp.
  - *Nixe* sp.
  - *Stenacron* sp.
  - *Stenonema* sp.
- Polymitarcidae
  - *Ephoron* sp.
- Tricorythidae
  - *Tricorythodes* sp.

Odonata
- Aeschnidae
  - *Basiaeschna* sp.
  - *Boyeria* sp.
- Coenagrionidae
  - *Argia* sp.
  - *Enallagma* sp.
- Corduliidae
  - *Epicordulia* sp.
  - *Neurocordulia* sp.
  - *Tetragoneuria* sp.
- Gomphidae
  - *Dromogomphus* sp.
  - *Ophiogomphus* sp.
  - *Stylurus* sp.
- Macromiidae
  - *Macromia* sp.

Megaloptera
- Sialidae
  - *Sialis* sp.

Neuroptera
- Sisyridae
  - *Climacia* sp.

Trichoptera
- Hydropsychidae
  - *Cheumatopsyche* sp.
  - *Hydropsyche* sp.
  - *Hydropsyche phalerata*
- Hydroptilidae
  - Hydroptilinae
    - *Agraylea* sp.
    - *Hydroptila* sp.
    - *Oxyethira* sp.
  - Orthotrichiinae
    - *Orthotrichia* sp.
- Leptoceridae
  - *Ceraclea* sp.
  - *Mystacides* sp.
  - *Nectopsyche* sp.
  - *Oecetis* sp.
  - *Triaenodes* sp.

Table 5.1 (continued)

- Limnephilidae
  - *Pycnopsyche* sp.
- Molannidae
  - *Molanna* sp.
- Polycentropodidae
  - *Cernotina* sp.
  - *Cyrnellus* sp.
  - *Neureclipsis* sp.
  - *Phylocentropus* sp.
  - *Polycentropus* sp.

Lepidoptera

Coleoptera

- Elmidae
  - *Dubiraphia* sp.
  - *Macronychus* sp.
  - *Neoelmis* sp.
  - *Optioservus* sp.
  - *Stenelmis* sp.

Corrodentia

Diptera

- Chaoboridae
  - *Chaoborus* sp.
- Chironomidae
  - Tanypodinae
    - *Ablabesmyia* sp.
    - *Ablabesmyia annulata*
    - *Ablabesmyia mallochi*
    - *Ablabesmyia parajanta*
    - *Clinotanypus* sp.
    - *Coelotanypus* sp.
    - *Djalmabatista* sp.
    - *Labrundinia* sp.
    - *Procladius* sp.
    - *Thienemannimyia* sp.
  - Diamesinae
    - *Potthastia* sp.
  - Prodiamesinae
    - *Monodiamesa* sp.
  - Orthocladiinae
    - *Acricotopus* sp.
    - *Corynoneura* sp.
    - *Cricotopus* sp.
    - *Cricotopus bicinctus*
    - *Cricotopus sylvestris*
    - *Psectrocladius* sp.
    - *Psectrocladius psilopterus*
    - *Rheocricotopus* sp.
    - *Thienemanniella* sp.

Table 5.1 (continued)

Chironominae
- Axarus sp.
- Chironomus sp.
- Cladopelma sp.
- Cladotanytarsus sp.
- Cryptochironomus sp.
- Cryptotendipes sp.
- Demicryptochironomus sp.
- Dicrotendipes sp.
- Dicrotendipes neomodestus
- Dicrotendipes nervosus
- Endochironomus sp.
- Endochironomus nigricans
- Endochironomus subtendens
- Glyptotendipes sp.
- Harnischia sp.
- Lenziella sp.
- Micropsectra sp.
- Microtendipes sp.
- Nilothauma sp.
- Pagastiella sp.
- Parachironomus sp.
- Parachironomus frequens
- Paracladopelma sp.
- Paracladopelma longanae
- Paralauterborniella sp.
- Paratanytarsus sp.
- Paratendipes sp.
- Phaenopsectra sp.
- Phaenopsectra dyari
- Polypedilum sp.
- Polypedilum convictum
- Polypedilum illinoense
- Polypedilum nr. scalaenum
- Pseudochironomus sp.
- Rheotanytarsus sp.
- Rheotanytarsus distinctissimus
- Rheotanytarsus exiguus
- Robackia sp.
- Robackia demeigerei
- Stempellinella sp.
- Stictochironomus sp.
- Tanytarsus sp.
- Tanytarsus glabrescens
- Tanytarsus guerlus
- Tribelos sp.
- Xenochironomus sp.

Empididae
- Chelifera sp.
- Hemerodromia sp.

Table 5.1 (continued)

- Heleidae
  - Heleinae
    - *Bezzia glabra*
    - *Culicoides* sp.
    - *Palpomyia tibialis*
- Tipulidae
- Homoptera
- Aphididae

MOLLUSCA

- Gastropoda
  - Basommatophora
    - Ancylidae
      - *Ferrissia* sp.
    - Lymnaeidae
      - *Lymnaea* sp.
    - Physidae
      - *Physa* sp.
    - Planorbidae
      - *Gyraulus* sp.
      - *Helisoma* sp.
  - Mesogastropoda
    - Hydrobiidae
      - *Amnicola* sp.
- Pelecypoda
  - Prionodesmacea
    - Sphaeriidae
      - *Musculium* sp.
      - *Pisidium* sp.
      - *Pisidium henslowanum*
      - *Sphaerium* sp.
    - Unionidae
      - *Elliptio complanata*

ROTATORIA

- Monogononta
  - Floscularlacea
    - Conochilidae
      - *Conochilus* sp.

Table 5.2 Composition of macroinvertebrates collected by Ekman dredge upstream and downstream of Vernon Dam in 1988.

	Upstream				Downstream			
	Station 5		Station 4		Station 3		Station 2	
	(#)	(%)	(#)	(%)	(#)	(%)	(#)	(%)
Hydrozoa	3	0.1	2	0.1	14	3.7	1	0.1
Tricladida	4	0.2	7	0.2	6	1.6	124	13.2
Oligochaeta	680	28.8	1344	35.1	68	18.1	113	12.0
Crustacea	3	0.1	10	0.2	1	0.3		
Ephemeroptera	193	8.2	179	4.7	8	2.1	91	9.7
Trichoptera	21	0.9	58	1.5	63	16.8	110	11.7
Diptera	810	34.3	1454	38.0	131	35.0	300	31.9
Pelecypoda	598	25.3	717	18.7	67	17.9	118	12.5
Gastropoda	5	0.2	2	0.1	2	0.5	75	8.0
Other	44	1.9	57	1.4	15	4.0	8	0.9
TOTAL	2361	100.0	3830	100.0	375	100.0	940	100.0

Table 5.3 Composition of macroinvertebrates collected by cage sampler upstream and downstream of Vernon Dam in 1988.

	Upstream				Downstream			
	Station 5		Station 4		Station 3		Station 2	
	(#)	(%)	(#)	(%)	(#)	(%)	(#)	(%)
Hydrozoa	48	1.6			71	2.3	195	24.8
Tricladida	295	10.0	26	11.7	25	0.8	28	3.6
Oligochaeta	21	0.7	31	13.9	218	7.2	119	15.1
Crustacea	7	0.2	7	3.2	12	0.4	21	2.7
Ephemeroptera	6	0.2			19	0.6	59	7.5
Trichoptera	190	6.5	37	16.7	250	8.3	87	11.1
Diptera	2320	78.8	109	49.1	2326	76.9	236	30.1
Pelecypoda	2	0.1			3	0.1	8	1.0
Gastropoda	35	1.2			52	1.7	4	0.5
Other	19	0.7	12	5.4	50	1.7	28	3.6
TOTAL	2943	100.0	222	100.0	3026	100.0	785	100.0

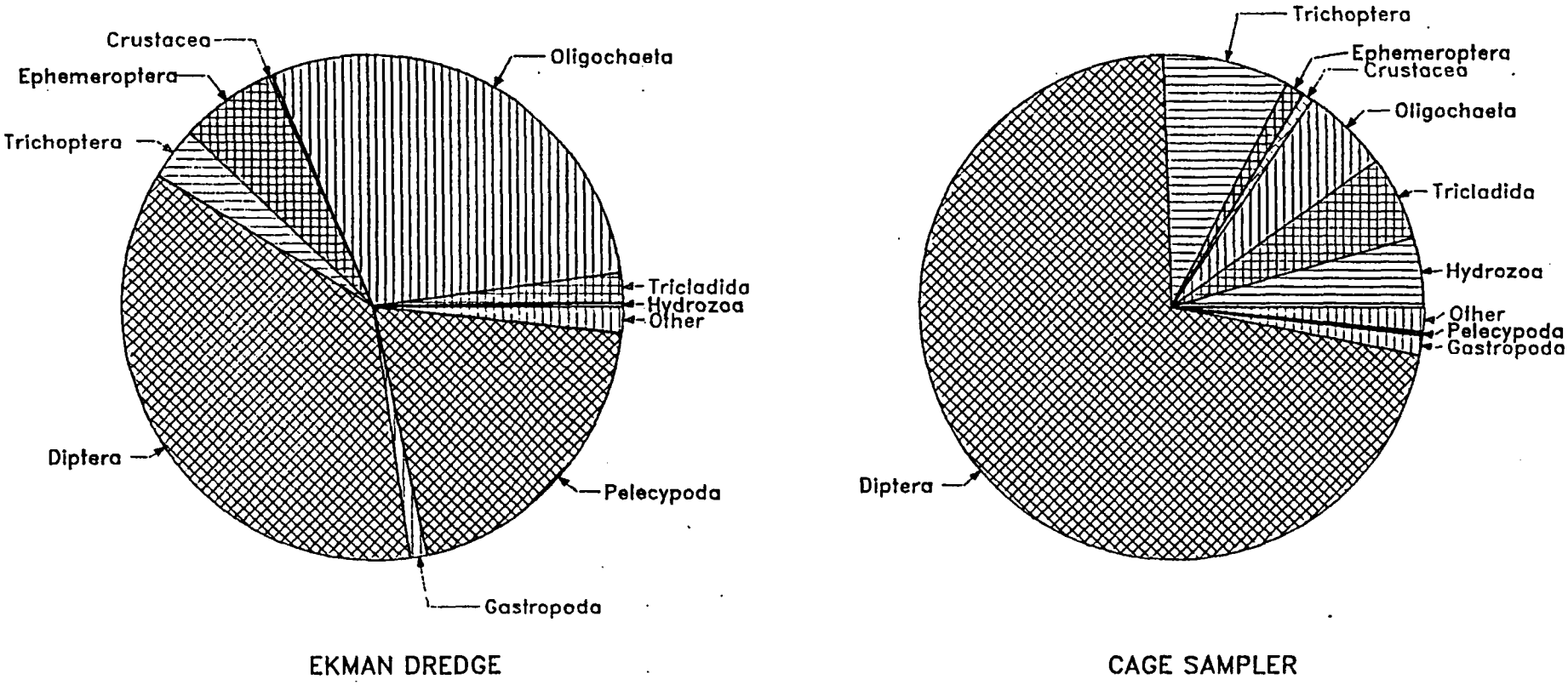

Figure 5.1 Composition of Macroinvertebrates by Sampling Gear, 1988

6. FISH STUDIES

Fish are collected on a defined schedule and at specified stations, using trap nets and electrofishing gear. The fish collected are to be weighed and measured and scales from selected game species removed for the determination of the number of annuli. Monitoring of fish impingement is required for the circulating water traveling screens. Larval fish are monitored weekly at the intake during open or hybrid cycle operation, from 1 May to15 July.

6.1 Methods of Collection and Processing

Fish were collected in 1988 by trap nets and electrofishing. The required monthly sets of trap nets were made at the eight designated stations near Vermont Yankee (Figures 1.1 and 6.1). Trap nets were constructed of a steel frame covered with a 1.3 cm knotless bar mesh nylon with a 1 by 2 meter front opening. These nets had two 8 meter wings and leads approximately 33 meters long. Nets were checked daily for two consecutive days at each sample location.

Electrofishing was conducted in the evening beginning around dusk at the eight designated stations. Electrofishing utilized a boat-mounted Coffelt Electronics Model VVP-15 electroshocker.

Standard procedure for processing fish was to weigh and measure each fish captured. When a large number of fish were captured and processing of these fish individually would have resulted in high mortality, the sample was separated by species and weighed collectively for each species.

Representative scale samples for annulus determinations were taken from five resident species: white perch, yellow perch, walleye, smallmouth bass, and largemouth bass. White perch scales were taken dorsal to the lateral line and below the insertion of the dorsal fin. Scale samples from other species were taken ventral to the lateral line near the tip of the pectoral fin.

Fish impinged on the circulating water traveling screens (CWTS) were sampled weekly from 1 April through 15 June and from 5 October through 31 October during plant operation in the open or hybrid cycle mode. Initially on a weekly sampling, all operating circulating water screens (CWTS) were backwashed and debris removed from the collection galley. This debris was examined for Atlantic salmon and American shad. The screens were again backwashed after approximately 24 hours and collected debris examined for all species of fish. Fish impinged on traveling screens were preserved and later individually weighed and measured. When an Atlantic salmon or American shad was impinged, the CWTS were sampled daily for a period of 3 consecutive days without further impingement of shad or salmon. Sampling then reverted to a weekly frequency.

Ichthyoplankton samples were collected with a one-half meter conical Nitex nylon plankton net. Mesh size was 363 microns providing a 46% open area in the net body. A 114 mm diameter straining bucket covered with 369 micron stainless steel bolting cloth or Nitex was affixed to the cod-end. Flow through the net was determined with an Interocean Systems Model 313 recording flow meter.

Sampling of ichthyoplankton at the Vermont Yankee intake was accomplished by pushed nets attached to rigid structures on a boat. Samples were collected weekly from 1 May through 15 July and consisted of a sample at the surface, mid-depth, and bottom strata.

Retrieved nets were washed immediately and the contents preserved in 5% formalin. Ichthyoplankton were later separated from debris using a 10 magnification dissecting microscope. Larval fish were identified to the lowest feasible taxon with the aid of published larval keys: Norden (1961), Mansueti and Hardy (1967), Lippson and Moran (1974), Hogue and Buchanan (1976), Jones et al. (1978), Wang and Kernehan (1979), and Auer (1982).

6.2 Summary

6.2.1 Fish

During 1988, 156 fish collections were made to meet the requirements of Section I of the NPDES permit. Twenty-nine species and thirteen families were observed (Tables 6.1 and 6.2). Trap net samples represented 72% and electrofishing represented 28% of the total number of collections obtained for permit requirements.

A total of 4,894 fish weighing 915 kg was collected in the 1988 studies (Table 6.3). The most common fishes were yellow perch, pumpkinseeds and white suckers comprising 23%, 13%, and 11%, respectively. Biomass was mainly comprised of suckers (38%), common carp (20%), and yellow perch (8%).

Upstream collections contained 79% of the fish caught (Table 6.4). Yellow perch (26%), pumpkinseeds (15%), and white suckers (10%) were the most abundant fish. Upstream biomass was predominately white suckers (35%), common carp (23%), and yellow perch (10%).

The most abundant resident fishes captured downstream were white suckers (17%), smallmouth bass (14%), yellow perch (12%), and rock bass (11%) (Table 6.5). The major contributors to downstream fish biomass were white suckers (46%), common carp (13%), and smallmouth bass (8%). The anadromous American shad constituted 12% of the total number captured and 8% of the total downstream biomass.

Scales were obtained from 1,022 resident fish representing five species. Summary statistics for lengths and weights for each species are presented in Tables 6.6 through 6.10.

6.2.2 Impingement

During the 1988 studies, a total of 56 impingement samples were collected. Of these 56 impingement samples, 33 were 24-hour samples examined for both resident and anadromous fish species. A total of 900 fish (9643 grams) representing 19 species were collected (Table 6.11). The average daily impingement rate for the 24-hour samples was 24 fish per day (247 grams per day).

Twenty-seven Atlantic salmon smolts were impinged in 1988. Eighteen of these salmon were collected on the CWTS between 28 April and 1 May. These fish, plus one additional smolt, were sent to the White River National Fish Hatchery in Bethel, Vermont and were examined for nose tags. Sixteen tags were recovered (Rideout and Amaral 1988), indicating that nine smolts were stocked in the West River and six in the White River during April 1988. One tagged fish was stocked in the West River in April 1987. Of the three remaining smolts, two fish had no tags and one tag was destroyed during processing. All salmon smolts impinged were measured, weighed and photographed. No clupeids were impinged in 1988.

6.2.3 Ichthyoplankton

From May through July 1988, 33 ichthyoplankton samples were obtained in front of the Vermont Yankee intake (Table 6.12). The largest sampling effort occurred in June when 45% of the collections were taken.

Ichthyoplankton collections yielded 388 fish (Table 6.13). Cyprinids, Lepomis sp., and white perch represent 37%, 33% and 28% of the total catch, respectively. Nearly all (97%) of the Cyprinids sampled were collected from the surface collections, while only 10% of all ichthyoplankton collected came from the depth of 3.0 meters (Table 6.14). Due to extremely low water conditions on 24 May, one set of collections had to be sampled at adjusted water depths.

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Table 6.1 Checklist of fishes collected during 1988.

	Common Name*
CHORDATA	
AGNATHA	
PETROMYZONTIFORMES	
Petromyzontidae	
Petromyzon marinus Linnaeus	Sea lamprey
OSTEICHTHYES	
ANGUILLIFORMES	
Anguillidae	
Anguilla rostrata (Lesueur)	American eel
CLUPEIFORMES	
Clupeidae	
Alosa aestivalis (Mitchill)	Blueback herring
Alosa sapidissima (Wilson)	American shad
SALMONIFORMES	
Salmonidae	
Salmo salar Linnaeus	Atlantic salmon
Salvelinus fontinalis (Mitchill)	Brook trout
Osmeridae	
Osmerus mordax (Mitchill)	Rainbow smelt
Esocidae	
Esox lucius Linnaeus	Northern pike
Esox niger Lesueur	Chain pickerel
CYPRINIFORMES	
Cyprinidae	
Cyprinus carpio Linnaeus	Common carp
Hybognathus regius Girard	Eastern silvery minnow
Notemigonus crysoleucas (Mitchill)	Golden shiner
Notropis cornutus (Mitchill)	Common shiner
Notropis hudsonius (Clinton)	Spottail shiner
Notropis volucellus (Cope)	Mimic shiner
Semotilus corporalis (Mitchill)	Fallfish
Catostomidae	
Catostomus commersoni (Lacepede)	White sucker
SILURIFORMES	
Ictaluridae	
Ictalurus natalis (Lesueur)	Yellow bullhead
Ictalurus nebulosus (Lesueur)	Brown bullhead
ATHERINIFORMES	
Cyprinodontidae	
Fundulus diaphanus (Lesueur)	Banded killifish
PERCIFORMES	
Percichthyidae	
Morone americana (Gmelin)	White perch
Centrarchidae	
Ambloplites rupestris (Rafinesque)	Rock bass
Lepomis gibbosus (Linnaeus)	Pumpkinseed
Lepomis macrochirus Rafinesque	Bluegill
Micropterus dolomieui Lacepede	Smallmouth bass
Micropterus salmoides (Lacepede)	Largemouth bass

Table 6.1 (continued).

	Common Name*
Percidae	
Etheostoma olmstedi Storer	Tessellated darter
Perca flavescens (Mitchill)	Yellow perch
Stizostedion vitreum vitreum (Mitchill)	Walleye

* Source: Robins et al., 1980.

Table 6.2 Electrofishing and trap net fishing effort conducted for Section I of the NPDES permit, 1988. CPE = catch per unit effort expressed as number of fish per hour.

Station	Electrofishing				Trap Net			
	Collections	Hours	Fish	CPE	Collection	Hours	Fish	CPE
Station 2	4	1.2	81	97.9	16	325.6	100	0.6
Stebbin Island	8	3.0	267	173.8	16	331.5	198	1.2
Station 3	4	1.0	143	146.9	8	167.1	20	0.1
0.1 Mile South of Vernon Dam	4	0.9	94	104.4	8	167.7	111	0.7
New Hampshire Setback	4	1.0	352	343.1	8	171.8	367	2.1
Station 4	8	2.2	416	376.8	32	702.4	696	4.8
Station 5	8	2.4	459	378.5	16	341.7	183	1.0
Rum Point	4	1.0	269	266.0	8	169.7	238	1.4
Total	44	12.7	2081		112	2377.5	1913	

Table 6.3 Numbers and weights of fishes collected upstream and downstream of Vernon Dam in 1988.

	Total (#)	Number (%)	Total (g)	Weight (%)
Sea lamprey	3	<0.1	760	<0.1
American eel	18	0.4	10474	1.1
Blueback herring	3	<0.1	388	<0.1
American shad	119	2.4	21353	2.3
Atlantic salmon	27	0.6	1195	0.1
Brook trout	3	<0.1	162	<0.1
Rainbow smelt	8	0.2	33	<0.1
Northern pike	4	<0.1	3707	0.4
Chain pickerel	2	<0.1	390	<0.1
Cyprinidae	11	0.2	17	<0.1
Common carp	65	1.3	182338	19.9
Eastern silvery minnow	18	0.4	105	<0.1
Golden shiner	134	2.7	7722	0.8
Common shiner	1	<0.1	6	<0.1
Spottail shiner	277	5.7	1833	0.2
Mimic shiner	57	1.2	105	<0.1
Fallfish	19	0.4	1611	0.2
White sucker	556	11.4	348509	38.1
Yellow bullhead	3	<0.1	396	<0.1
Brown bullhead	278	5.7	9142	<1.0
Banded killifish	1	<0.1	3	<0.1
White perch	160	3.3	30611	3.3
Rock bass	356	7.3	31623	3.5
Lepomis sp.	167	3.4	355	<0.1
Pumpkinseed	647	13.2	44438	4.9
Bluegill	388	7.9	33032	3.6
Smallmouth bass	234	4.8	41574	4.5
Largemouth bass	139	2.8	45591	5.0
Tessellated darter	10	0.2	31	<0.1
Yellow perch	1152	23.5	76037	8.3
Walleye	34	0.7	21712	2.4
TOTAL	4894		915252	

Table 6.4 Numbers and weights of fishes captured by different gears upstream of Vernon Dam in 1988. CWTS = circulating water travelling screen.

	CWTS		Electrofishing		Trap Net		Summary			
	Number	Total Wgt. (g)	Number	Total Wgt. (g)	Number	Total Wgt. (g)	Total (#)	Number (%)	Total (g)	Weight (%)
Sea lamprey	1	6					1	<0.1	6	<0.1
American eel	1	98	9	6375			10	0.3	6473	1.0
Atlantic salmon	27	1195					27	0.7	1195	0.2
Brook trout	3	162					3	<0.1	162	<0.1
Rainbow smelt	8	33					8	0.2	33	<0.1
Northern pike			4	3707			4	0.1	3707	0.6
Chain pickerel			1	343	1	47	2	<0.1	390	<0.1
Cyprinidae	11	17					11	0.3	17	<0.1
Common carp			41	73532	18	74627	59	1.5	148158	22.7
Eastern silvery minnow	14	73	3	22			17	0.4	95	<0.1
Golden shiner	6	43	49	2280	72	4881	127	3.3	7204	1.1
Common shiner			1	6			1	<0.1	6	<0.1
Spottail shiner	68	315	112	631	14	176	194	5.0	1122	0.2
Mimic shiner			4	4			4	0.1	4	<0.1
White sucker	14	313	204	100065	165	127452	383	9.9	227830	34.9
Yellow bullhead			3	396			3	<0.1	396	<0.1
Brown bullhead	254	1620	5	1349	13	3109	272	7.0	6078	0.9
Banded killifish	1	3					1	<0.1	3	<0.1
White perch	39	1633	40	7330	64	17258	143	3.7	26221	4.0
Rock bass	113	672	18	1202	112	12059	243	6.3	13933	2.1
Lepomis sp.	148	316	12	12	2	4	162	4.2	332	<0.1
Pumpkinseed	41	1125	172	7878	385	32763	598	15.4	41766	6.4
Bluegill	19	664	216	13403	86	8637	321	8.3	22704	3.5
Smallmouth bass	9	84	35	6043	45	14427	89	2.3	20554	3.1
Largemouth bass	7	46	117	43682	9	639	133	3.4	44367	6.8
Tessellated darter	10	31					10	0.3	31	<0.1
Yellow perch	106	1194	439	26237	489	39172	1034	26.6	66603	10.2
Walleye			11	6652	9	7660	20	0.5	14312	2.2
TOTAL	900	9643	1496	301149	1484	342911	3880		653703	

Table 6.5 Numbers and weights of fishes captured by different gears downstream of Vernon Dam in 1988.

	Electrofishing		Trap Net		Summary			
	Number	Total Wgt. (g)	Number	Total Wgt. (g)	Total (#)	Number (%)	Total (g)	Weight (%)
Sea lamprey	2	754			2	0.2	754	0.3
American eel	8	4001			8	0.8	4001	1.5
Blueback herring	1	3	2	385	3	0.3	388	0.1
American shad	110	21283	9	70	119	11.7	21353	8.2
Common carp	5	28736	1	5443	6	0.6	34179	13.1
Eastern silvery minnow			1	10	1	<0.1	10	<0.1
Golden shiner	1	63	6	455	7	0.7	518	0.2
Spottail shiner	58	414	25	297	83	8.2	711	0.3
Mimic shiner	53	101			53	5.2	101	<0.1
Fallfish	17	1363	2	248	19	1.9	1611	0.6
White sucker	113	74736	60	45943	173	17.1	120679	46.1
Brown bullhead			6	3064	6	0.6	3064	1.2
White perch	3	30	14	4360	17	1.7	4390	1.7
Rock bass	19	1527	94	16163	113	11.1	17690	6.8
Lepomis sp.	3	7	2	16	5	0.5	23	<0.1
Pumpkinseed	14	761	35	1911	49	4.8	2672	1.0
Bluegill	35	4549	32	5779	67	6.6	10328	3.9
Smallmouth bass	104	11858	41	9162	145	14.3	21020	8.0
Largemouth bass	6	1224			6	0.6	1224	0.5
Yellow perch	28	1857	90	7577	118	11.6	9434	3.6
Walleye	5	1250	9	6150	14	1.4	7400	2.8
TOTAL	585	154517	429	107033	1014		261550	

Table 6.6 Length and weight statistics for white perch collected in 1988.

Upstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
0	1	109		109 - 109	25		25 - 25
1	4	198	4	192 - 202	101	10	86 - 108
2	11	210	29	180 - 259	134	61	62 - 246
3	19	258	33	190 - 296	251	97	71 - 367
4	12	278	17	240 - 304	344	56	230 - 405
5	10	306	12	285 - 325	425	70	331 - 562
6	5	271	32	221 - 302	294	104	125 - 367

Downstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
2	5	241	29	210 - 278	225	87	145 - 351
3	3	272	10	264 - 283	310	36	286 - 352
4	4	281	31	254 - 320	346	127	226 - 521
6	2	307	1	306 - 308	462	46	429 - 494

Table 6.7 Length and weight statistics for yellow perch collected in 1988.

Upstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
0	5	95	8	82 - 101	9	2	7 - 12
1	70	118	21	90 - 172	19	10	8 - 55
2	162	175	22	119 - 223	56	21	15 - 120
3	164	200	26	135 - 285	88	39	23 - 268
4	63	233	33	101 - 284	146	55	44 - 265
5	10	251	24	218 - 286	180	57	101 - 273
6	6	291	19	265 - 318	280	53	207 - 340
7	1	282		282 - 282	220		220 - 220

Downstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
0	23	96	12	80 - 121	12	5	7 - 26
1	4	150	38	97 - 183	48	35	9 - 81
2	35	191	22	132 - 225	72	31	17 - 133
3	16	226	31	179 - 280	138	69	56 - 296
4	10	252	16	212 - 267	186	36	113 - 239
5	2	251	24	234 - 268	186	68	138 - 234
6	2	269	9	262 - 275	238	11	230 - 246

Table 6.8 Length and weight statistics for walleye collected in 1988.

Upstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm) Avg	SD	Range	Total Weight (g) Avg	SD	Range
0	1	222		222 - 222	86		86 - 86
1	5	316	60	228 - 361	285	113	90 - 373
2	3	413	6	407 - 419	574	15	561 - 590
3	5	453	28	430 - 501	833	243	676 - 1261
4	3	500	22	481 - 525	1107	16	1092 - 1124
5	1	472		472 - 472	921		921 - 921
6	2	518	3	516 - 520	1335	148	1230 - 1440

Downstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm) Avg	SD	Range	Total Weight (g) Avg	SD	Range
1	6	286	56	194 - 344	205	100	60 - 326
2	2	366	52	329 - 402	400	153	291 - 508
3	3	399	76	325 - 477	542	313	249 - 872
4	2	484	7	479 - 489	950	29	929 - 970
7	1	584		584 - 584	1848		1848 - 1848

Table 6.9 Length and weight statistics for smallmouth bass collected in 1988.

Upstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
0	1	156		156 - 156	49		49 - 49
1	5	174	29	125 - 200	69	29	25 - 103
2	23	219	31	161 - 263	128	47	42 - 203
3	23	275	23	214 - 308	241	54	123 - 338
4	14	313	34	266 - 382	391	139	237 - 665
5	3	340	41	299 - 381	452	96	349 - 540
6	2	432	43	401 - 462	1106	296	897 - 1315
7	1	425		425 - 425	1082		1082 - 1082

Downstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm)			Total Weight (g)		
		Avg	SD	Range	Avg	SD	Range
0	57	103	19	66 - 157	15	11	3 - 65
1	31	183	24	121 - 220	84	31	22 - 140
2	14	227	35	169 - 264	153	63	56 - 234
3	23	291	26	242 - 335	313	95	168 - 474
4	5	343	12	334 - 364	525	103	421 - 689
5	5	342	25	309 - 365	544	156	386 - 727
7	1	415		415 - 415	971		971 - 971

Table 6.10 Length and weight statistics for largemouth bass collected in 1988.

Upstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm) Avg	SD	Range	Total Weight (g) Avg	SD	Range
0	11	95	16	57 - 112	11	4	5 - 20
1	30	213	39	92 - 278	130	60	9 - 281
2	55	281	47	175 - 379	314	155	59 - 721
3	19	350	52	247 - 411	622	262	202 - 975
4	6	407	41	335 - 445	996	281	556 - 1315
5	3	438	17	426 - 458	1175	198	1053 - 1403
6	1	490		490 - 490	1716		1716 - 1716

Downstream of Vernon Dam

Number of Annuli	Number of Fish	Total Length (mm) Avg	SD	Range	Total Weight (g) Avg	SD	Range
1	2	237	30	216 - 258	186	86	125 - 246
2	3	255	54	211 - 315	238	188	110 - 454
3	1	227		227 - 227	138		138 - 138

Table 6.11 Monthly impingement of fish on Vermont Yankee's circulating water traveling screens, 1988.

	April		May		June		August		September		October		November	
Number of Collections:	12		15		5		10		4		9		1	
Species	No.	Weight (g)	No.	Weight (g)	No.	Weight (g)	No.	Weight (g)	No.	Weight (g)	No.	Weight (g)	No.	Weight (g)
Sea lamprey	1	6												
American eel			1	98										
Atlantic salmon	1	53	26	1142										
Brook trout			1	79							2	83		
Rainbow smelt	1	5	7	28										
Cyprinidae			11	17										
Eastern silvery minnow	2	20	12	53										
Golden shiner			6	43										
Spottail shiner	19	79	49	236										
White sucker	5	39	9	274										
Brown bullhead			253	1610					1	10				
Banded killifish			1	3										
White perch	5	27	21	1459	1	50					11	93	1	4
Rock bass	11	61	81	519	1	8			14	51	5	32	1	1
Lepomis sp.	38	78	76	170			2	2	5	6	22	49	5	11
Pumpkinseed	1	30	35	768	1	104	2	109	1	71	1	44		
Bluegill	4	271	14	295					1	98				
Smallmouth bass	1	11	8	73										
Largemouth bass	2	10	3	15			1	7			1	14		
Tessellated darter	3	14	7	17										
Yellow perch	59	771	44	398	2	13	1	12						
Total	153	1475	665	7297	5	175	6	130	22	236	42	314	7	16

Table 6.12 Vermont Yankee ichthyoplankton sampling effort, 1988.

Station	Depth (meters)	Number of Collections			
		May	June	July	Total
Vermont Yankee Intake	0.3	4	5	2	11
Vermont Yankee Intake	0.9	1			1
Vermont Yankee Intake	1.5	3	5	2	10
Vermont Yankee Intake	1.8	1			1
Vermont Yankee Intake	3.0	3	5	2	10
Totals		12	15	6	33

Table 6.13 Collection dates and total numbers of ichthyoplankton captured at Vermont Yankee Intake, 1988.

Species	Earliest Capture	Latest Capture	Numbers
Common carp	6 July	6 July	1
Notropis sp.	10 June	13 July	145
White perch	16 May	13 July	110
Lepomis sp.	14 June	13 July	129
Yellow perch	10 May	24 May	3
Total			388

Table 6.14 Ichthyoplankton captured at Vermont Yankee Intake by depth in 1988.

Collection Date	Species	Collection Depth 0.3 Meters	0.9 Meters	1.5 Meters	1.8 Meters	3.0 Meters	Totals
10 May	Yellow perch	1		1			2
16 May	White perch	1				1	2
24 May	White perch	9	3		32		44
	Yellow perch	1					1
1 June	White perch	1		5		1	7
10 June	*Notropis* sp.	7		1			8
	White perch	3		2		4	9
14 June	*Notropis* sp.	3					3
	White perch	1		14		21	36
	Lepomis sp.			1			1
22 June	*Notropis* sp.	63				1	64
	White perch	2		3		5	10
	Lepomis sp.	7		7		2	16
29 June	*Notropis* sp.	14		2			16
	White perch					1	1
	Lepomis sp.	28		17		1	46
6 July	Common carp			1			1
	Notropis sp.	33					33
	Lepomis sp.	12		11		2	25
13 July	*Notropis* sp.	21					21
	White perch	1					1
	Lepomis sp.	3		38			41

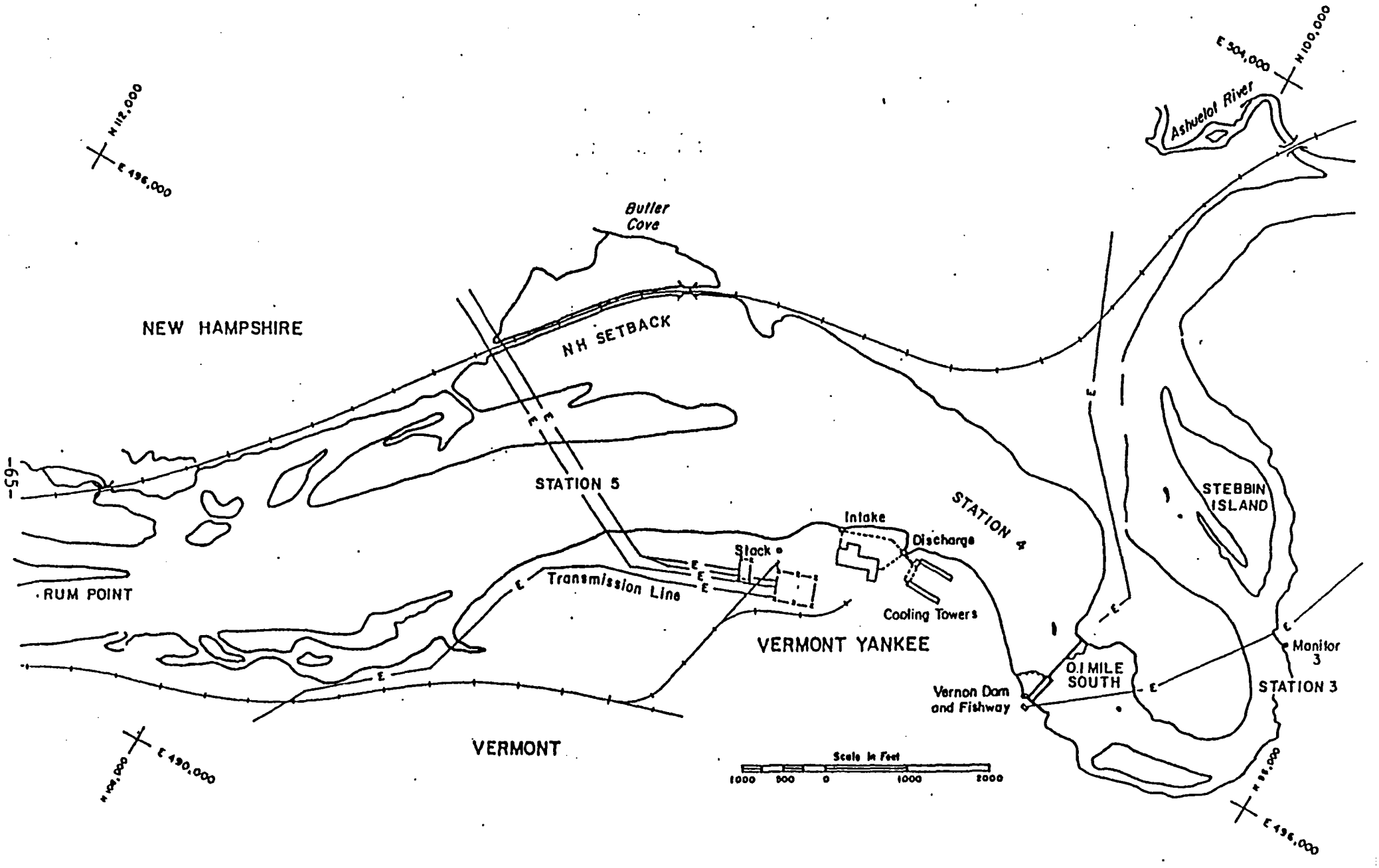

Figure 6.1 FISH SAMPLING LOCATIONS

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Appendix A

Water Quality

VERMONT YANKEE
WATER QUALITY ANALYTICAL METHODS

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020 unless otherwise noted.

Parameters	Method Number	Method Name
Temperature (°F)	170.1	Thermometric
Dissolved Oxygen	360.2	Winkler Titration
pH (std. units)	150.1	Electrometric
Alkalinity as $CaCO_3$	310.1	Titrimetric
Total Kjeldahl Nitrogen	351.3	Digestion Distillation Spectrophotometric
Ammonia Nitrogen	350.2	Distillation Spectrophotometric
Nitrate and Nitrite as N	353.3	Cadmium Reduction Spectrophotometric
Nitrite as N	354.1	Spectrophotometric
Total Phosphate as P	424E*	Persulfate Stannous Chloride Spectrophotometric
Orthophosphate as P	424E*	Stannous Chloride Spectrophotometric
Total Solids	160.3	Gravimetric
Total Suspended Solids	160.2	Filtration Gravimetric
Turbidity (NTU)	180.1	Nephelometric
Sodium	273.2	Graphite Furnace Atomic Absorption
Chloride	325.3	Titrimetric
Sulfate	375.4	Turbidimetric
Copper	220.2	Graphite Furnace Atomic Absorption
Iron	236.2	Graphite Furnace Atomic Absorption
Zinc	289.2	Graphite Furnace Atomic Absorption
Calcium	200.7	Plasma Emission
Calcium Hardness as $CaCO_3$	314A*	Calculation
Magnesium	200.7	Plasma Emission
Magnesium Hardness as $CaCO_3$	314A*	Calculation
Total Hardness as $CaCO_3$	314A*	Calculation
Biochemical Oxygen Demand (5-day) Uninhibited Inhibited	405.1	Membrane Electrode
Biochemical Oxygen Demand (30-day) Uninhibited Inhibited	405.1	Membrane Electrode

* Standard Methods for the Examination of Water and Wastewater, 16th ed.

MONITOR 7
CONNECTICUT RIVER/VERMONT YANKEE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	January 14 10:10	February 16 10:50	March 15 10:05	April 13 07:45
Temperature (°F)	33	32.8	33.2	44.2
Dissolved Oxygen	13.50	13.90	13.6	12.50
pH (Std. Units)	7.5	7.3	7.3	7.4
Alkalinity as $CaCO_3$	33	30	29	24.0
Total Kjeldahl Nitrogen	0.23	0.94	<0.10	0.22
Ammonia Nitrogen	0.07	0.058	0.076	0.060
Nitrate and Nitrite as N	0.37	0.39	0.36	0.32
Nitrite as N	0.003	0.004	0.004	0.004
Total Phosphate as P	0.026	0.017	0.02	0.013
Orthophosphate as P	0.013	0.013	0.013	0.012
Total Solids	100	92	78	73
Total Suspended Solids	8.8	1.7	2.1	4.9
Turbidity (NTU)	2.2	2.3	2.2	3.0
Sodium	5.3	5.8	6.4	3.6
Chloride	7.1	8.3	9.4	4.4
Sulfate	9.7	8.7	8.8	8.7
Copper	0.010	<0.005	<0.005	<0.005
Iron	0.14	0.160	0.187	0.30
Zinc	0.037	0.024	0.026	0.028
Calcium	14.0	12.2	11.5	10.1
Calcium Hardness as $CaCO_3$	40.0	30.5	28.7	25.2
Magnesium	1.75	1.48	1.34	1.30
Magnesium Hardness as $CaCO_3$	7.2	6.1	5.5	5.4
Total Hardness as $CaCO_3$	47.2	36.6	34.2	30.6
Biochemical Oxygen Demand (5-day)				
Uninhibited	0.60	0.60	0.80	1.00
Inhibited	0.30	0.25	0.40	0.55
Biochemical Oxygen Demand (30-day)				
Uninhibited	1.95*	2.25	2.70	2.95
Inhibited	0.95*	1.05	1.40	1.60

* BOD (29-day)

MONITOR 7
CONNECTICUT RIVER/VERMONT YANKEE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	May 13 08:46	June 14 08:19	July 14 08:10	August 15 10:05
Temperature (°F)	55.9	67.0	77.5	79.2
Dissolved Oxygen	10.00	9.50	6.15	6.40
pH (Std. Units)	7.6	7.4	7.7	7.4
Alkalinity as $CaCO_3$	37	37	41	41
Total Kjeldahl Nitrogen	0.21	<0.2	0.22	0.27
Ammonia Nitrogen	0.032	<0.01	0.028	0.012
Nitrate and Nitrite as N	0.27	0.16	0.25	1.64
Nitrite as N	0.003	0.003	<0.005	0.004
Total Phosphate as P	0.017	0.012	0.014	0.013
Orthophosphate as P	<0.005	<0.005	<0.005	<0.005
Total Solids	99	135	78	91
Total Suspended Solids	4.0	5.6	3.5	4.0
Turbidity (NTU)	2.2	1.4	1.5	1.0
Sodium	4.2	5.3	5.7	6.3
Chloride	6.0	8.0	9.0	9.2
Sulfate	7.6	8.1	9.5	9.7
Copper	0.007	0.009	0.012	0.021
Iron	0.20	0.189	0.122	0.114
Zinc	0.037	0.038	0.060	0.089
Calcium	11.4	14.7	15.7	14.9
Calcium Hardness as $CaCO_3$	28	36.7	39.2	37.2
Magnesium	1.42	1.55	1.93	1.64
Magnesium Hardness as $CaCO_3$	5.8	6.4	7.9	6.8
Total Hardness as $CaCO_3$	33.8	43.1	47.1	44.0
Biochemical Oxygen Demand (5-day)				
Uninhibited	1.00	1.40	0.75	0.80
Inhibited	0.65	0.90	0.35	0.5
Biochemical Oxygen Demand (30-day)				
Uninhibited	3.00*	3.90	2.15*	2.45
Inhibited	1.90*	2.25	1.20*	1.45

* BOD (31-day)

MONITOR 7
CONNECTICUT RIVER/VERMONT YANKEE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	September 14 08:05	October 18 08:20	November 15 09:11	December 14 12:20
Temperature (°F)	66.1	52.9	43.1	32.6
Dissolved Oxygen	9.05	9.70	12.10	13.70
pH (Std. Units)	7.6	7.3	7.3	7.2
Alkalinity as $CaCO_3$	30	34	23	30
Total Kjeldahl Nitrogen	0.36	0.24	0.21	0.24
Ammonia Nitrogen	0.10	0.04	0.017	<0.01
Nitrate and Nitrite as N	0.10	0.24	0.21	0.33
Nitrite as N	0.004	0.005	0.004	0.004
Total Phosphate as P	0.016	0.024	0.012	0.013
Orthophosphate as P	0.006	0.007	0.006	0.008
Total Solids	74	57	45	82
Total Suspended Solids	4.4	8.0	13	4.1
Turbidity (NTU)	1.25	1.7	2.8	1.8
Sodium	4.8	5.4	4.0	4.3
Chloride	7.0	5.6	4.9	6.5
Sulfate	10.2	10.5	9.5	10.6
Copper	0.005	0.007	0.005	<0.005
Iron	0.19	0.31	0.54	0.19
Zinc	0.046	0.026	0.034	0.06
Calcium	10.9	11.7	10.7	12.2
Calcium Hardness as $CaCO_3$	27.2	29.2	27	30.5
Magnesium	1.45	1.57	1.43	1.57
Magnesium Hardness as $CaCO_3$	6.0	6.5	5.9	6.5
Total Hardness as $CaCO_3$	33.2	35.7	32.9	37.0
Biochemical Oxygen Demand (5-day)				
Uninhibited	1.30	0.75	1.50	0.60
Inhibited	0.95	0.45	1.15	0.30
Biochemical Oxygen Demand (30-day)				
Uninhibited	3.70	2.85	3.20	2.10
Inhibited	2.95	1.55	2.20	0.95

MONITOR 3
CONNECTICUT RIVER/VERMONT YANKEE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	January 14 10:50	February 16 11:30	March 15 10:35	April 13 08:18	May 13 08:21	June 14 08:37
Temperature (°F)	35.6	34.4	34.6	44.3	56.8	67.0
Dissolved Oxygen	13.35	13.65	13.7	12.85	10.00	9.30
pH (std. units)	7.4	7.3	7.5	7.2	7.6	7.6
Alkalinity as $CaCO_3$	33	30	31	26.0	37	36
Total Solids	82	81	77	79	90	107
Total Suspended Solids	1.6	1.3	1.7	9.5	2.8	2.8
Turbidity (NTU)	2.0	2.3	2.0	3.0	1.4	1.0
Sodium	4.9	4.7	6.3	3.4	4.3	5.4
Chloride	6.0	6.2	9.5	4.2	5.9	7.9
Sulfate	10.0	8.8	9.2	8.7	7.7	7.6
Copper	0.018	0.005	<0.005	0.006	<0.005	<0.005
Iron	0.17	0.163	0.176	0.35	0.13	0.126
Zinc	0.025	0.031	<0.005	0.032	0.014	0.029

MONITOR 3
CONNECTICUT RIVER/VERMONT YANKEE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	July 14 08:43	August 15 09:15	September 14 09:47	October 18 08:52	November 15 09:39	December 14 12:40
Temperature (°F)	78.2	80.2	65.7	58.5	44.2	37.4
Dissolved Oxygen	7.70	7.10	9.25	9.35	12.35	13.20
pH (std. units)	7.7	7.3	7.6	7.3	7.2	7.2
Alkalinity as $CaCO_3$	41	40	33	34	24	32
Total Solids	85	82	77	46	47	89
Total Suspended Solids	5.8	3.2	4.8	2.2	4.4	3.7
Turbidity (NTU)	2.0	1.0	1.8	1.0	2.0	1.8
Sodium	6.0	5.6	5.1	5.6	3.7	4.9
Chloride	7.6	8.4	7.0	5.4	4.8	7.3
Sulfate	9.5	9.5	10.2	10.1	9.4	10.8
Copper	0.021	0.008	0.008	0.009	0.014	0.024
Iron	0.23	0.125	0.17	0.148	0.38	0.25
Zinc	0.054	0.018	0.060	0.036	0.034	0.66

VERMONT YANKEE DISCHARGE

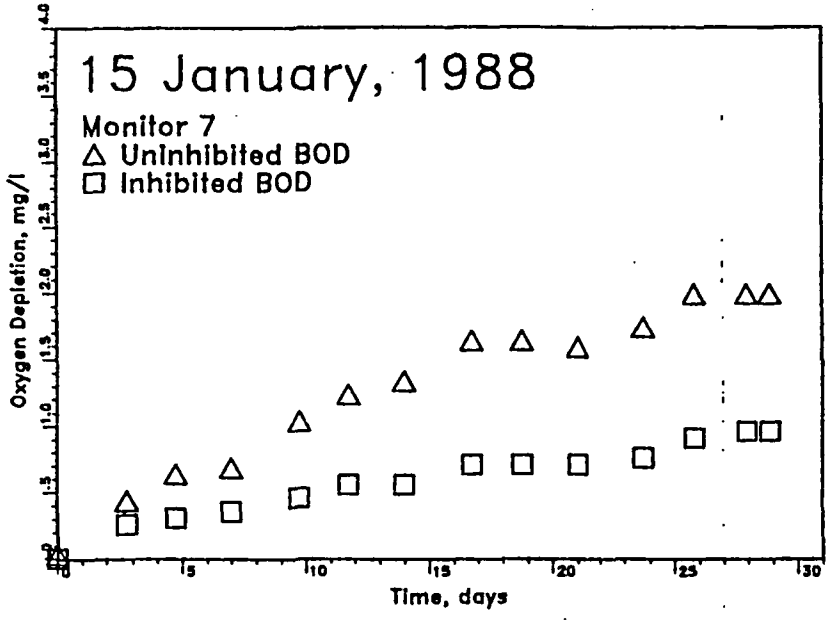
Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	January 14 12:30	February 16 13:15	March 15 12:25	April 13 08:49	May 13 09:09	June 14 09:30
Temperature (°F)	62.1	58.0	57.8	63.0	75.6	85.9
Dissolved Oxygen	12.50	13.20	13.3	12.00	10.00	7.95
pH (std. units)	7.8	7.5	7.4	7.1	7.5	8.0
Alkalinity as $CaCO_3$	32	30	31	26.2	41	46
Total Solids	80	93	84	74	80	149
Total Suspended Solids	1.8	1.5	4.0	6.0	4.6	8.4
Turbidity (NTU)	1.6	1.9	2.2	3.0	1.7	1.8
Sodium	4.8	4.9	6.5	3.4	4.4	6.4
Chloride	6.8	6.5	9.4	4.3	6.2	9.4
Sulfate	9.5	8.7	9.3	8.6	7.2	9.0
Copper	0.005	<0.005	<0.005	<0.005	<0.005	0.036
Iron	0.14	0.142	0.187	0.30	0.15	0.23
Zinc	0.005	0.008	0.011	0.026	0.005	0.036

VERMONT YANKEE DISCHARGE

Results in milligrams per liter (mg/l) unless otherwise noted.

Parameters	July 14 09:11	August 15 12:00	September 14 09:10	October 18 09:20	November 15 10:18	December 14 13:41
Temperature (°F)	90.5	78.8	82.0	75.4	68.3	62.8
Dissolved Oxygen	7.35	7.50	7.90	9.15	10.90	12.90
pH (std. units)	7.6	7.6	7.5	7.4	7.3	7.2
Alkalinity as $CaCO_3$	28	31	22	35	24	32
Total Solids	113	146	184	48	49	89
Total Suspended Solids	5.9	5.0	8.7	3.2	4.0	6.1
Turbidity (NTU)	2.5	1.8	2.6	1.4	1.8	2.4
Sodium	7.5	8.6	11.1	5.6	3.9	4.7
Chloride	9.2	13.2	16.1	7.8	5.2	7.3
Sulfate	30	40	67	10.9	9.4	10.8
Copper	0.104	0.141	0.32	0.009	0.008	0.006
Iron	0.193	0.21	0.39	0.186	0.28	0.24
Zinc	0.075	0.055	0.10	0.022	0.018	0.03


15 January, 1988
Monitor 7
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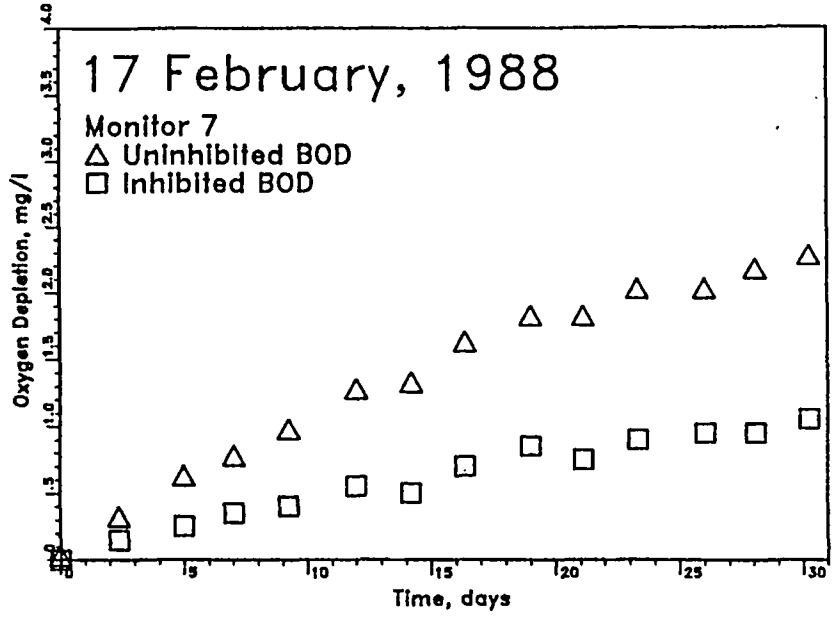
□ Inhibited BOD
Oxygen Depletion, mg/l
Time, days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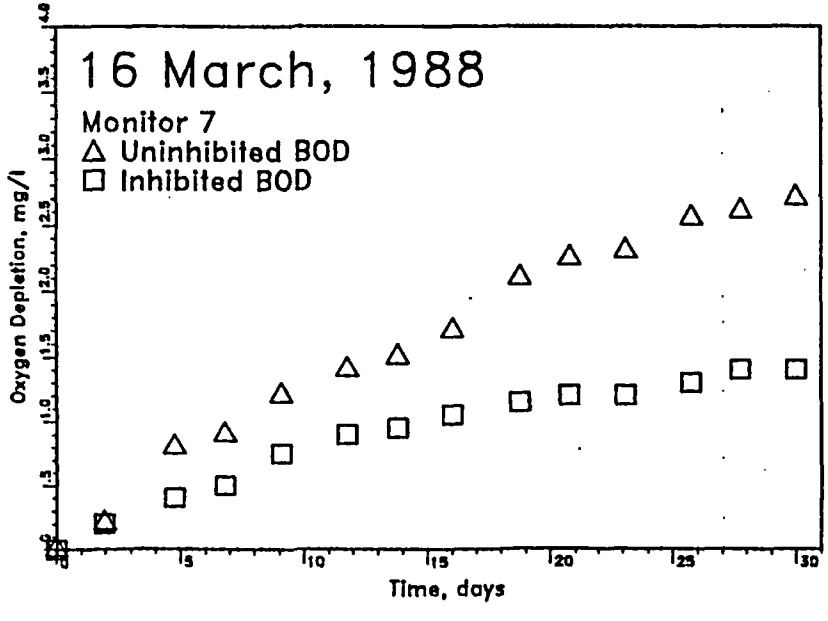
Time, days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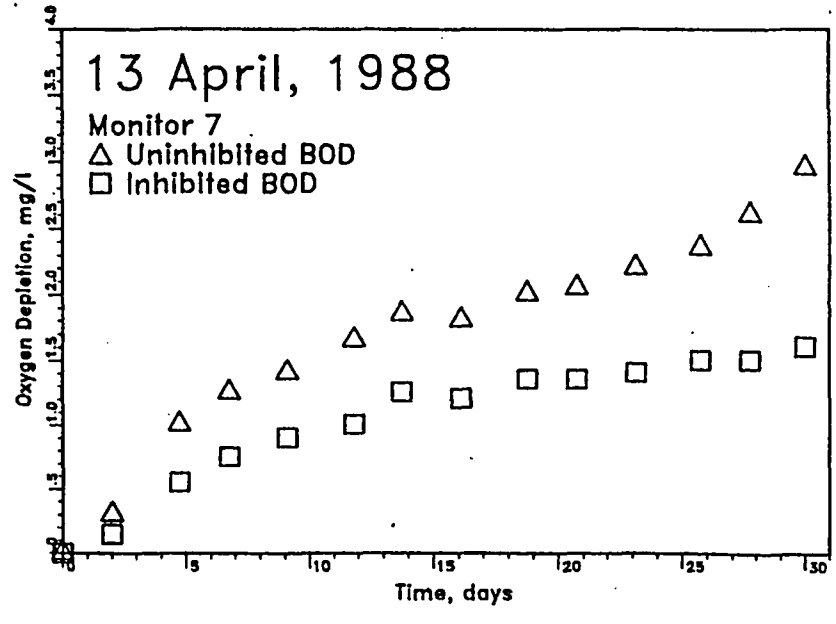
Oxygen Depletion, mg/l
Time, days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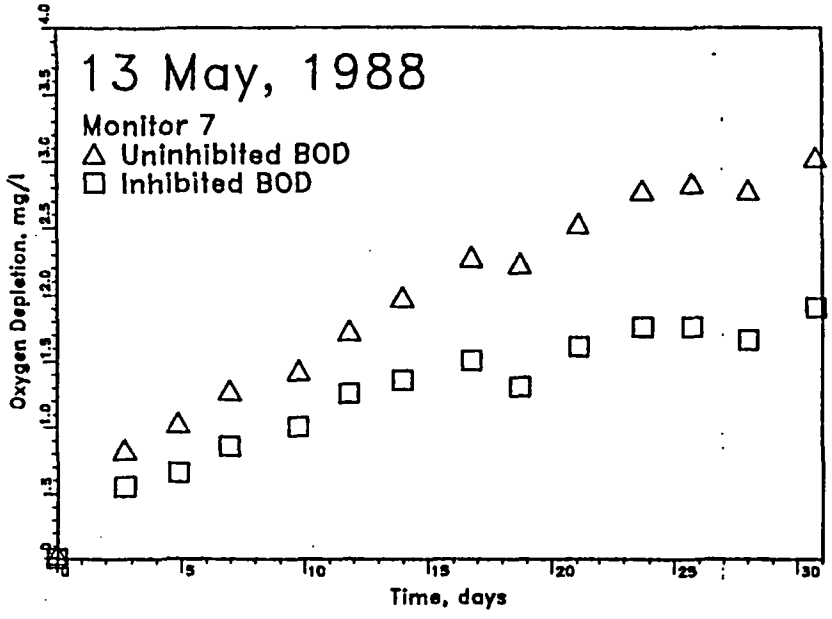
Oxygen Depletion, mg/l
Time, days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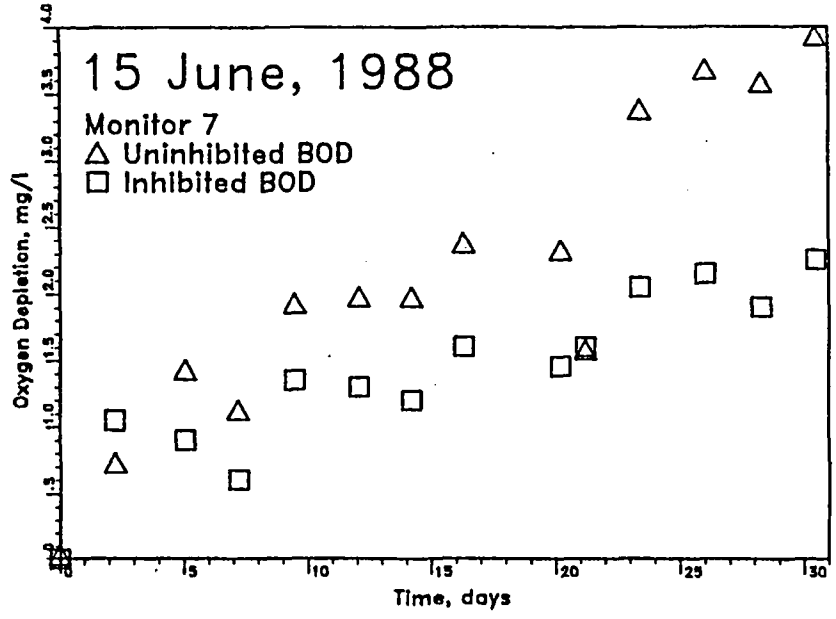
Inhibited BOD
Oxygen Depletion, mg/l
Time, days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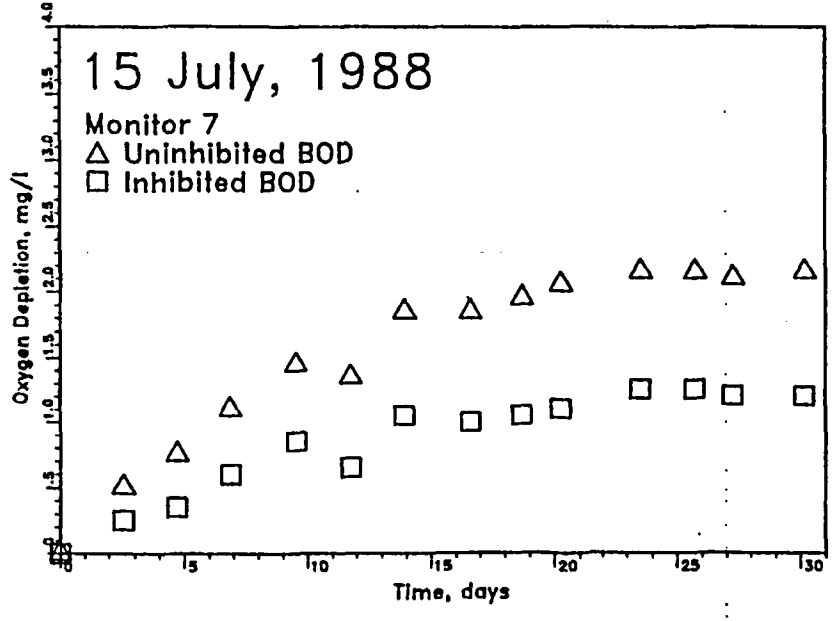
Monitor 7
Uninhibited BOD
Inhibited BOD
Oxygen Depletion, mg/l
Time, days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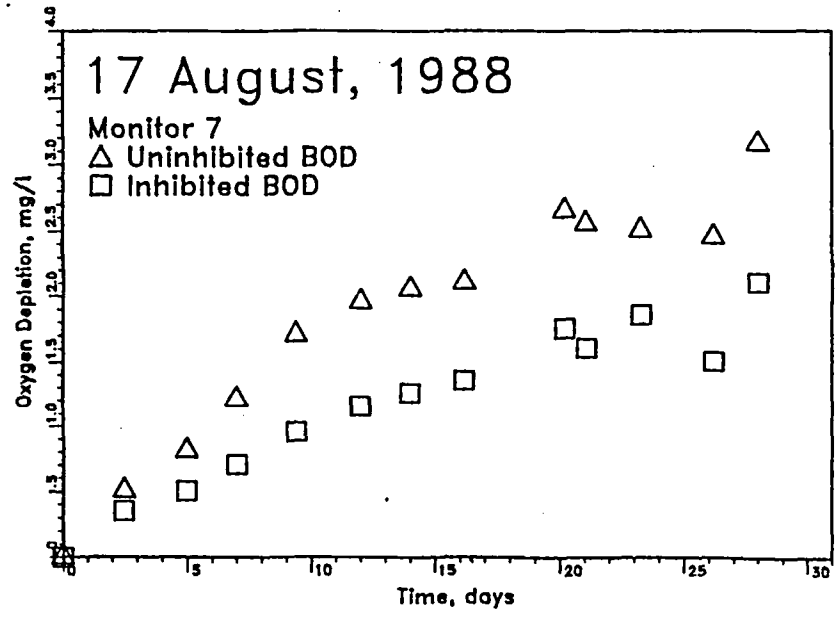
Oxygen Depletion, mg/l
Time, days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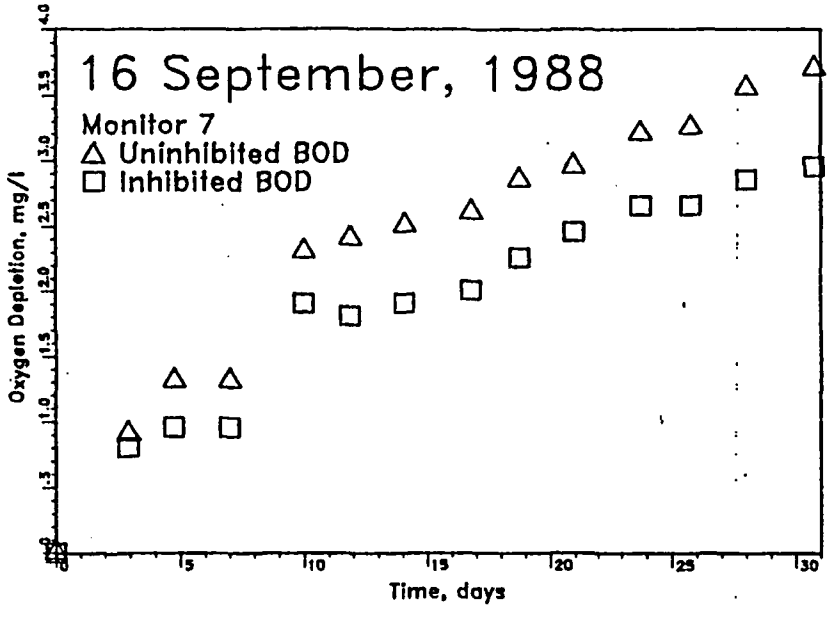
Inhibited BOD
Oxygen Depletion, mg/l
Time, days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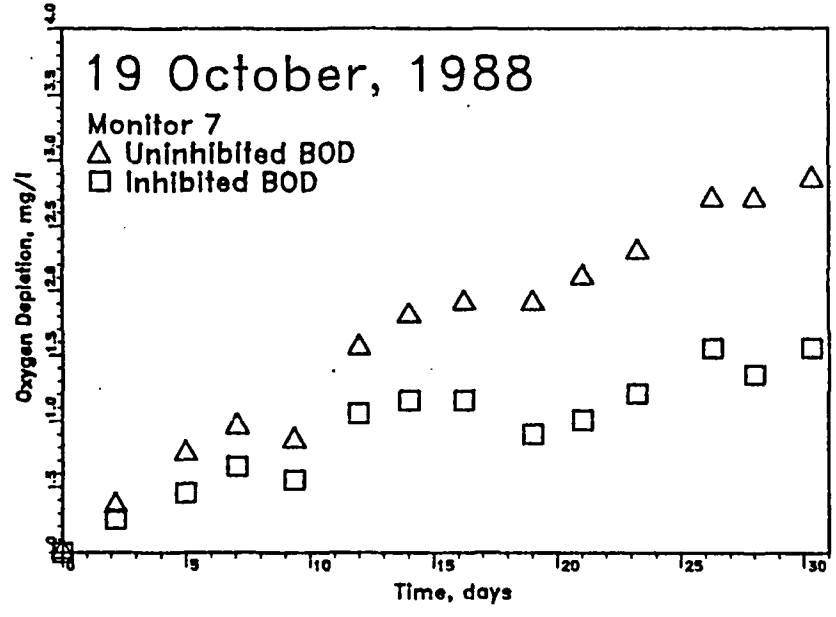
□ Inhibited BOD
Oxygen Depletion, mg/l
Time, days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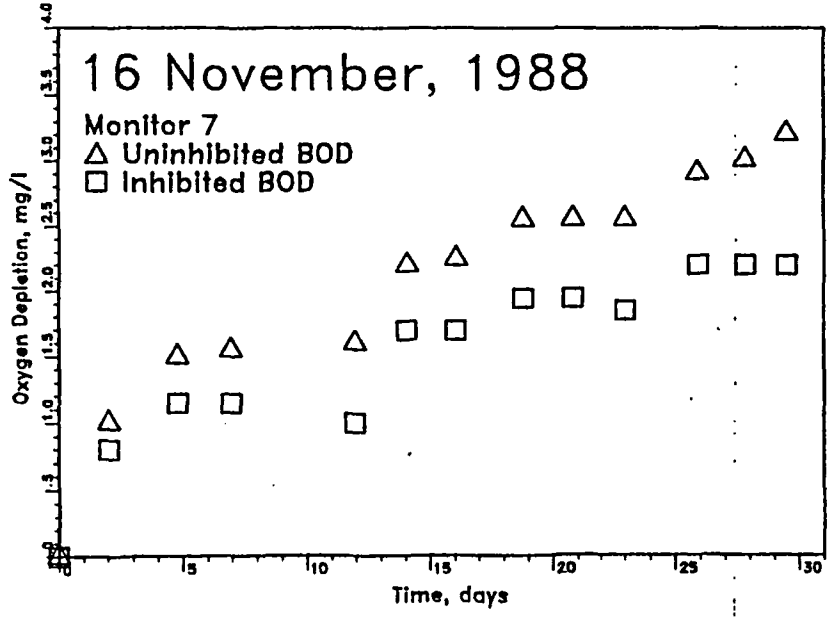
□ Inhibited BOD
Oxygen Depletion, mg/l
Time, days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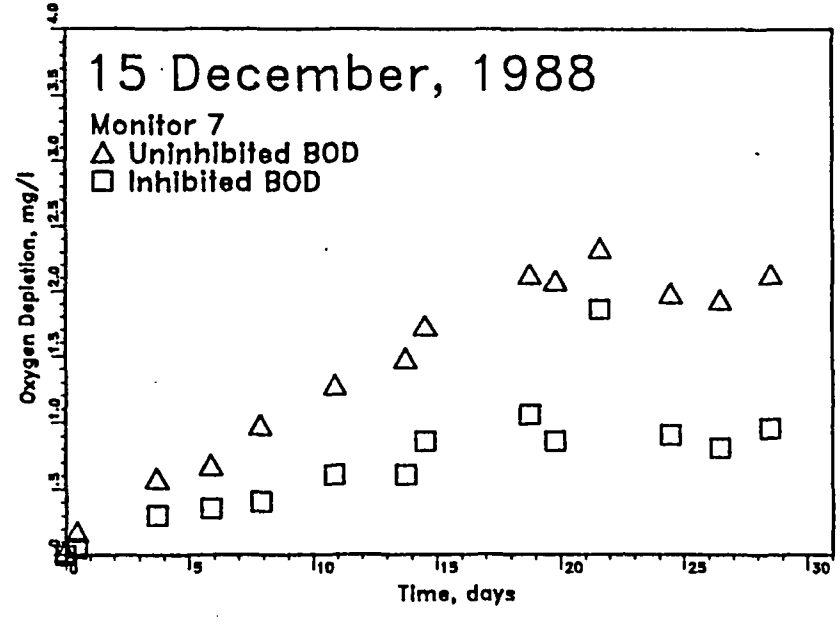
Oxygen Depletion, mg/l
Time, days


15 December, 1988
Monitor 7
△ Uninhibited BOD
□ Inhibited BOD
Oxygen Depletion, mg/l
Time, days

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

January 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.3		32.2	32.2	32.3
2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.3	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2
3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.5	32.4	32.4	32.3	32.3
4	32.3	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.3	32.3	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.3
5	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2
6	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.2
7	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
8	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2
9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.2
10	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.3	32.3	32.3	32.2	32.2	32.1
11	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.2	32.3	32.2	32.2	32.2
12	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2
13	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.2
14	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
15	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.2
16	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
17	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
18	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2
19	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
20	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.2		32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
21	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.2
22	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.4	32.4	32.4	32.4	32.3	32.3	32.3
23	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.4	32.4	32.4	32.4	32.3	32.3
24	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.3	32.3
25	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.4	32.4	32.3	32.3	32.3	32.3
26	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2
27	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2
28	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.1	32.2	32.2	32.2	32.3	32.2	32.2	32.2
29	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2
30	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2
31	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
																						MONTHLY AVERAGE			32.2

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

February 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.2
2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2
3	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1
4	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
5	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
6	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1
7	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1
8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1	32.1
9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1
10	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.2	32.2	32.1	32.1	32.1
11	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1
12	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1
13	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1
14	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1
15	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.1	32.1	32.1
16	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.1	32.1	32.2	32.2	32.1	32.1	32.1	32.1
17	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1
18	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1
19	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
20	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
21	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2
22	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2
23	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.2
24	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
25	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2
26	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
27	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.3	32.2	32.3
28	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.3	32.3	32.3	32.2
29	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.3
																						MONTHLY AVERAGE			32.2

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

March 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.3	32.3	32.2
2	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.4	32.4	32.4	32.3	32.3	32.3
3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3
4	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2	32.2
5	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2	32.1	32.2	32.3	32.3	32.3	32.2	32.2
6	32.2	32.2	32.2	32.2	32.2	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.2
7	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.4	32.3	32.3	32.3	32.3	32.2	32.3	32.4	32.4	32.3	32.3	32.3
8	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.4	32.5	32.4	32.4	32.4	32.3
9	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.3	32.3	32.3
10	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.4	32.4	32.4
11	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.4	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3
12	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.4	32.4	SYSTEM INOPERATIVE				32.3
13											SYSTEM INOPERATIVE														
14				SYSTEM INOPERATIVE								32.4	32.5	32.4	32.3	32.3	32.3	32.3	32.3	32.4	32.5	32.5	32.4	32.4	32.4
15	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.4	32.3	32.3	32.3	32.3	32.2	32.3
16	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.6	32.5	32.5	32.5	32.5	32.5	32.4	32.4	32.3	32.4
17	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.7	32.6	32.5
18	32.6	32.6	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.6	32.7	32.7	32.7	32.8	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.6	32.6
19	32.7	32.7	32.7	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.9	33.0	33.1	33.3	33.4	33.5	33.5	33.5	33.5	33.6	33.6	33.5	33.3	33.2	33.1
20	33.1	33.0	33.0	33.0	33.0	33.0	33.1	33.1	33.0	33.1	33.1	33.2	33.3	33.3	33.3	33.4	33.4	33.4	33.4	33.5	33.5	33.5	33.4	33.2	33.2
21	33.1	33.0	32.9	32.8	32.7	32.7	32.7	32.5	32.5	32.7	32.6	32.6	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.1	33.0	32.8	32.9
22	32.7	32.7	32.6	32.6	32.7	32.7	32.7	32.6	32.7	32.7	32.8	32.9	33.0	33.1	33.2	33.1	33.1	33.1	33.1	33.1	33.2	33.1	32.9	32.9	32.9
23	32.8	32.8	32.7	32.7	32.7	32.7	32.7	32.8	32.8	32.9	33.0	33.1	33.2	33.3	33.2	33.2	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.0	33.0
24	33.0	33.0	33.0	33.0	33.0	33.0	32.9	32.9	33.0	33.2	33.3	33.3	33.5	33.6	33.8	33.7	33.7	33.7	33.8	33.9	34.0	34.0	34.0	33.9	33.4
25	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.2	34.2	34.3	34.6	34.6	34.5	34.5	34.4	34.3	34.2	34.1	34.0	34.0	33.9	34.1
26	34.0	34.0	33.9	34.0	34.0	34.1	34.1	34.1	34.1	34.2	34.3	34.4	34.2	34.2	34.1	34.0	33.9	33.7	33.6	33.5	33.4	33.4	33.4	33.4	33.9
27	33.4	33.4	33.5	33.4	33.3	33.3	33.2	33.1	33.1	33.1	33.1	33.2	33.4	33.5	33.7	33.9	34.0	34.0	34.0	34.0	33.8	33.8	33.7	33.5	33.5
28		33.3	33.2	33.1	33.0	32.9	32.8	32.7	32.6	32.5	32.6	32.7	32.7	32.8	32.9	33.0	32.8	32.9	33.1	33.3	33.5	33.5	33.5	33.5	33.0
29	33.4	33.3	33.2	33.2	33.2	33.1	33.0	33.0	33.0	33.1	33.3	33.5	33.7	34.0	34.3	34.6	34.8	34.9	35.0	35.1	35.1	35.1	35.1	35.1	34.0
30	35.1	34.9	34.8	34.7	34.6	34.5	34.5	34.5	34.4	34.5	34.6	34.8	35.1	35.4	35.7	36.1	36.3	36.6	36.8	37.0	37.2	37.3	37.3	37.4	35.6
31	37.4	37.3	37.1	37.0	36.9	36.7	36.5	36.3	36.2	36.2	36.4	36.5	36.7	37.0	37.4	37.6	37.9	38.2	38.3	38.5	38.6	38.7	38.8	38.8	37.4
																						MONTHLY AVERAGE			33.0

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

April 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	38.8	38.7	38.5	38.3	38.0	37.8	37.6	37.5	37.4	37.5	37.5	37.6	37.7	37.8	37.9	38.1	38.1	38.2	38.2	38.2	38.2	38.1	38.1	38.0	38.0
2	37.8	37.7	37.6	37.5	37.4	37.2	37.2	37.1	37.1	37.1	37.2	37.3	37.6	37.9	38.2	38.5	38.8	39.0	39.2	39.4	39.5	39.6	39.6	39.5	38.1
3	39.4	39.3	39.2	39.1	39.0	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.1	39.1	39.2	39.3	39.4	39.3	39.3	39.2	39.0	38.9	38.8	39.1
4	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.4	39.5	39.6	39.7	39.7	39.8	39.9	39.9	39.2
5	39.9	39.9	39.9	39.8	39.8	39.8	39.7	39.7	39.6	39.6	39.6	39.5	39.5	39.7	39.8	39.9	39.9	39.9	40.0	40.1	40.0	40.1	40.0	40.0	39.8
6	40.0	40.0	39.9	39.9	39.8	39.8	39.7	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.8	39.8	39.9	39.9	39.9	40.0	40.0	40.1	40.1	40.1	39.8
7	40.1	40.1	40.1	40.0	39.9	39.8	39.7	39.7	39.6	39.6	39.7	39.7	39.8	39.8	39.9	39.9	39.9	40.0	39.9	39.9	39.9	39.9	39.9	39.8	39.8
8	39.8	39.8	39.8	39.8	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8	39.9	40.0	40.1	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.0
9	40.4	40.4	40.4	40.4	40.4	40.4	40.3	40.3	40.2	40.2	40.4	40.5	40.7	40.9	41.2	41.4	41.5	41.6	41.6	41.7	41.7	41.6	41.6	41.6	40.9
10	41.6	41.6	41.6	41.6	41.6	41.6	41.5	41.4	41.4	41.5	41.6	41.8	42.0	42.1	42.3	42.5	42.7	42.8	42.9	42.9	43.0	43.1	43.1	43.0	42.1
11	43.0	42.9	42.9	42.9	42.9	42.8	42.8		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0	42.8
12	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.5	43.6	43.8	43.8	43.8	43.8	43.8	43.7	43.7	43.7	43.4
13	43.6	43.6	43.6	43.6	43.5	43.6	43.6	43.7	43.7	43.8	43.8	43.9	44.0	44.0	44.1	44.2	44.4	44.5	44.6	44.5	44.6	44.6	44.6	44.5	44.0
14	44.5	44.5	44.4	44.3	44.3	44.2	44.2	44.2	44.2	44.3	44.4	44.6	44.7	44.9	45.1	45.2	45.2	45.3	45.2	45.3	45.5	45.4	45.4	45.4	44.8
15	45.4	45.4	45.4	45.4	45.3	45.2	45.2	45.1	45.1	45.5	45.7	45.4	45.3	45.3	45.3	45.3	45.3	45.2	45.2	45.1	45.0	44.9	44.9	44.8	45.2
16	44.8	44.8	44.8	44.8	44.7	44.6	44.6	44.5	44.5	44.4	44.4	44.4	44.4	44.5	44.6	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.7	44.7
17	44.7	44.7	44.7	44.7	44.7	44.7	44.6	44.5	44.5	44.5	44.5	44.6	44.6	44.7	44.8	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	44.8
18	45.0	45.0	44.9	44.9	44.8	44.8	44.8	44.7	44.6	44.6	44.6	44.7	44.8	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.2	45.2	45.1	45.0
19	45.1	45.0	44.9	44.7	44.5	44.4	44.2	44.1	44.1	44.1	44.2	44.2	44.3	44.4	44.6	44.7	44.9	45.0	45.0	45.1	45.0	45.0	44.9	44.9	44.6
20	44.9	44.9	44.9	44.9	44.8	44.8	44.7	44.7	44.7	44.7	44.8	44.9	45.1	45.2	45.3	45.3	45.3	45.2	45.2	45.1	45.0	44.9	44.7	44.6	44.9
21	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.5	44.5	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.7	44.5	44.4	44.3	44.3	44.2	44.6
22	44.2	44.1	44.0	43.9	43.9	43.8	43.7	43.6	43.6	43.6	43.5	43.6	43.8	43.9	43.9	44.0	44.0	44.0	43.9	43.8	43.8	43.7	43.7	43.7	43.8
23	43.7	43.7	43.7	43.7	43.6	43.6	43.6	43.5	43.5	43.5	43.7	43.9	44.0	44.2	44.3	44.3	44.3	44.2	44.2	44.1	44.0	43.9	43.9	43.8	43.9
24	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	44.0	44.0	44.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
25	43.9	43.9	43.8	43.7	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.2	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.1
26	44.5	44.5	44.4	44.4	44.4	44.3	44.3	44.2	44.1	44.0	43.9	44.1	44.4	44.7	45.0	45.2	45.4	45.5	45.5	45.5	45.4	45.2	45.1	45.0	44.7
27	44.9	44.9	44.8	44.8	44.7	44.7	44.7	44.8	44.9	45.0	45.2	45.3	45.5	45.8	46.0	46.2	46.3	46.4	46.5	46.4	46.4	46.3	46.3	46.2	45.6
28	46.2	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.5	46.6	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.2	47.2	47.0	46.8	46.6	46.4	46.2	46.7
29	46.2	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.1	45.9	45.8	45.6	45.5	45.5	45.6	45.6	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	45.9
30	46.0	45.9	45.7	45.5	45.3	45.2	45.1	45.3	45.5	45.6	45.5	45.6	45.7	45.8	45.9	45.9	45.9	46.0	46.1	46.2	46.1	46.0	46.0	46.0	45.7
																						MONTHLY AVERAGE			43.0

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

May 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	46.0	45.8	45.6	45.6	45.6	45.4	45.1	45.0	44.9	44.8	44.8	44.9	44.9	45.0	45.1	45.1	45.0	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2
2	45.1	45.1	45.1	45.1	45.1	45.0	44.9	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.0	45.1	45.2	45.3	45.3	45.2	45.2	45.2	45.2	45.1	45.0
3	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.3	45.5	45.7	45.8	45.9			46.4	46.4	46.4	46.5	46.5	46.5	45.6
4	46.5	46.4	46.3	46.3	46.2	46.4	46.1	46.1	46.1	46.1	46.3	46.5		SYSTEM INOPERATIVE				48.5	48.5	48.5	SYSTEM INOPERATIVE				46.6
5			SYSTEM INOPERATIVE					48.5	48.5	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.2	48.9
6	49.2	49.3	49.4	49.5	49.6	49.7	49.8	50.0	50.1	50.2	50.3	50.4	50.5	50.6	50.6	50.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	50.3
7	51.0	50.9	50.9	50.9	50.9	50.9	50.8	50.8	50.8	50.8	50.8	50.9	51.1	51.4	51.6	51.9	52.1	52.4	52.6	52.7	52.9	53.0	53.2	53.3	51.6
8	53.3	53.2	53.1	53.0	52.9	52.8	52.7	52.7	52.7	52.9	53.1	53.3	53.5	53.7	53.8	53.9	54.0	54.1	54.1	54.2	54.3	54.5	54.7	54.8	53.5
9	54.8	54.8	54.7	54.6	54.6	54.6	54.7	54.7	54.9	55.1	55.3	55.6	55.7	55.9	56.0	56.0	56.0	56.0	55.9	55.7	55.6	55.4	55.3	55.3	55.3
10	55.2	55.2	55.1	55.0	54.9	54.8	54.7	54.7	54.7	54.8	54.9	55.1	55.2	55.2	55.3	55.3	55.3	55.2	55.2	55.2	55.1	55.1	55.1	55.1	55.1
11	55.1	55.1	55.1	55.1	55.0	55.0	54.9	54.9	54.9	54.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	55.0	55.0	55.1	55.1	55.0	55.0	55.0
12	55.0	55.0	54.9	54.9	54.8	54.7	54.6	54.5	54.4		54.5	54.6	54.7	54.8	55.0	55.2	55.4	55.5	55.6	55.5	55.5	55.5	55.5	55.5	55.0
13	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.7	55.9	56.1	56.3	56.5	56.8	57.2	57.3	57.4	57.4	57.2	57.1	57.0	56.9	56.9	56.3
14	56.9	56.8	56.7	56.7	56.6	56.6	56.5	56.6	56.7	56.8	57.0	57.2	57.5	57.7	57.9	58.1	58.3	58.4	58.4	58.4	58.3	58.3	58.3	58.5	57.5
15	58.6	58.6	58.5	58.4	58.2	58.0	57.9	57.8	57.7	57.7	57.8	58.0	58.2	58.4	58.6	58.9	59.1	59.3	59.4	59.3	59.2	59.2	59.3	59.3	58.5
16	59.3	59.2	59.1	59.1	59.0	58.9	58.9	58.9	58.8	58.7	58.7	58.8	58.8	58.9	59.1	59.4	59.5	59.6	59.7	59.8	59.9	60.0	60.0	60.1	59.2
17	60.1	60.0	59.9	59.9	59.8	59.7	59.7	59.6	59.5	59.4	59.3	59.4	59.5	59.6	59.6	59.6	59.8	59.9	60.2	60.4	60.6	60.7	60.7	60.7	59.9
18	60.7	60.6	60.6	60.5	60.5	60.4	60.4	60.4	60.2	60.0	59.9	59.7	59.6	59.5	59.4	59.4	59.4	59.4	59.4	59.5	59.6	59.8	59.9	60.0	60.0
19	59.9	59.9	59.8	59.8	59.7	59.7	59.7	59.7	59.6	59.6	59.5	59.4	59.3	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.4
20	59.2	59.1	59.1	59.1	59.1	59.0	59.0	59.0	59.0	59.1	59.1	59.0	58.9	58.6	58.7	59.0	59.2	59.3	59.4	59.5	59.6	59.6	59.6	59.5	59.1
21	59.4	59.3	59.2	59.1	59.0	58.9	58.8	58.7	58.7	58.6	58.6	58.7	58.7	58.8	59.0	59.2	59.2	59.3	59.4	59.3	59.3	59.2	59.2	59.2	59.0
22	59.2	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.0	59.0	59.1	59.1	59.1	59.2	59.4	59.6	59.7	59.8	59.9	60.1	60.2	60.3	60.4	60.4	59.5
23	60.4	60.3	60.3	60.2	60.1	60.0	59.9	59.8	59.7	59.5	59.4	59.3	59.5	60.0	60.4	60.8	61.2	61.4	61.7	62.0	62.2	62.3	62.3	62.4	60.6
24	62.4	62.3	62.3	62.2	62.2	62.1	62.1	62.0	62.0	62.1	62.1	62.3	62.5	62.6	62.8	63.0	63.1	63.2	63.2	63.1	63.0	62.9	62.7	62.6	62.5
25	62.5	62.4	62.3	62.3	62.2	62.2	62.2	62.1	62.1	62.1	62.0	62.0	61.9	61.7	61.7	61.7	61.7	61.6	61.5	61.3	61.2	61.0	60.8	60.6	61.8
26	60.4	60.2	60.0	59.8	59.6	59.5	59.3	59.2	59.1	59.1	59.3	59.5	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.0	60.0	59.8	59.7	59.6	59.7
27	59.4	59.2	59.1	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.5	59.5	59.6	59.6	59.5	59.5	59.5	59.5	59.2
28	59.5	59.5	59.6	59.6	59.6	59.5	59.5	59.5	59.5	59.6	59.7	59.9	60.1	60.3	60.6	60.9	61.1	61.4	61.6	61.7	61.8	61.8	61.7	61.6	60.4
29	61.6	61.5	61.4	61.3	61.2	61.1	61.1	61.1	61.2	61.3	61.5	61.7	62.0	62.4	62.8	63.2	63.5	63.9	64.1	64.2	64.3	64.3	64.3	64.3	62.5
30	64.2	64.2	64.1	64.1	64.0	64.0	64.0	64.0	64.0	64.1	64.2	64.1	63.8	63.7	63.8	63.9	64.0	64.1	64.4	64.5	64.6	64.8	65.0	65.2	64.2
31	65.4	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7	65.8	65.9	66.0	66.0	66.0	66.0	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	65.9
																						MONTHLY AVERAGE			56.8

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

June 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.5	66.4	66.3	66.2	66.1	65.9	65.8	65.6	65.5	65.5	65.4	65.4	65.4	65.3	65.2	65.1	66.0
2	65.1	65.0	65.0	64.9	64.8	64.7	64.6	64.5	64.4	64.4	64.4	64.3	64.1	63.9	64.0	64.1	64.2	64.2	64.2	64.1	64.0	63.9	63.8	63.8	64.3
3	63.7	63.6	63.6	63.5	63.5	63.4	63.4	63.4	63.3	63.3	63.1	63.0	62.9	62.9	62.4	62.1	62.2	62.2	62.2	62.1	62.0	61.9	61.8	61.7	62.8
4	61.6	61.6	61.5	61.5	61.4	61.4	61.3	61.2	61.2	61.2	61.3	61.1	61.2	61.4	61.7	61.5	61.7	61.8	61.9	61.9	61.8	61.7	61.6	61.6	61.5
5	61.5	61.4	61.4	61.3	61.3	61.2	61.1	61.1	61.1	61.0	60.9	60.7	60.7	60.8	61.1	61.3	61.6	61.9	62.1	62.2	62.2	62.2		62.2	61.4
6	62.1	62.1	62.0	61.9	61.9	61.8	61.8	61.9	62.0	62.0	61.8	61.8	62.0	62.6	62.8	62.9	63.0	63.1	63.0	62.9	62.9	62.9	62.8	62.8	62.4
7	62.7	62.6	62.6	62.5	62.5	62.4	62.4	62.4	62.3	62.2	62.1	62.2	62.4	62.9	63.3	63.7	64.0	64.2	64.3	64.2	64.1	64.1	64.0	64.0	63.1
8	63.9	63.9	63.8	63.8	63.7	63.7	63.6	63.6	63.6	63.6	63.4	63.2	63.4	63.5	63.8	64.1	64.3	64.3	64.2	64.1	64.0	64.1	64.2	64.2	63.8
9	64.3	64.3	64.3	64.3	64.2	64.2	64.2	64.1	64.1	64.1	64.0	63.9	63.8	63.7	63.8	63.9	64.0	64.1	64.2	64.1	64.1	64.2	64.2	64.2	64.1
10	64.2	64.1	64.1	64.0	64.0	63.9	63.9	63.9	63.9	63.9	63.9	63.7	64.0	64.2	64.3	64.4	64.5	64.8	64.9	64.9	64.9	64.9	64.8	64.7	64.3
11	64.7	64.7	64.7	64.6	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.5	64.4	64.2	64.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.4
12	64.2	64.1	64.1	64.1	64.1	64.2	64.3	64.3	64.3	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.4	64.5	64.5	64.6	64.7	64.6	64.4
13	64.6	64.3	64.4	64.5	64.6	64.5	64.5	64.5	64.5	64.7	64.8	64.8	64.8	65.0	65.4	65.9	66.5	66.6	66.8	67.0	67.1	67.1	67.0	67.1	65.4
14	67.1	67.1	67.0	67.0	67.0	67.0	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.3	68.2	68.8	69.0	69.0	69.0	69.0	68.9	68.9	67.6
15	68.9	68.8	68.8	68.8	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.9	69.1	69.4	69.6	70.2	70.8	71.0	70.9	70.8	70.7	70.7	70.6	70.6	69.6
16	70.6	70.6	70.6	70.5	70.5	70.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.7	71.1	71.5	71.9	72.0	72.0	72.0	72.0	72.0	71.9	71.0
17	71.9	71.9	71.9	71.9	71.9	71.8	71.8	71.8	71.8	71.8	71.8	71.7	71.5	71.3	71.3	71.3	71.5	71.5	71.5	71.4	71.4	71.5	71.5	71.4	71.6
18	71.4	71.4	71.4	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.2	71.2	71.2	71.2	71.4	71.3	71.3	71.3	71.3	71.4	71.3	71.3
19	71.5	71.6	71.6	71.6	71.6	71.6	71.5	71.4	71.4	71.4	71.6	71.6	71.7	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.9	72.1	72.1	72.1	71.7
20	71.9	71.6	71.8	71.9	72.1	71.9	71.8	71.9	72.1	72.4	72.4	72.7	72.7	72.8	72.8	72.8	73.0	73.4	74.0	74.2	73.9	73.6	73.8	74.1	72.7
21	74.3	74.3	74.3	74.4	74.4	74.5	74.4	74.3	74.2	74.2	74.1	74.1	74.0	73.9	74.0	74.4	74.9	74.9	74.9	74.4	74.3	74.2	74.4	74.4	74.3
22	74.4	74.4	74.5	74.5	74.6	74.4	74.4	74.5	74.5	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.8	74.7	74.6	75.0	75.2	74.7
23	SYSTEM INOPERATIVE																75.3	75.5	75.4	75.3	75.2	75.0	75.0	74.9	75.2
24	74.8	74.7	74.7	74.6	74.6	74.6	74.5	74.4	74.4	74.5	74.4	74.5	74.4	74.4	74.0	74.0	74.1	74.2	74.2	74.1	74.1	74.1	74.1	74.1	74.4
25	74.1	74.1	74.1	74.1	74.0	74.0	73.9	73.9	74.0	74.0	74.0	73.9	74.0	74.0	73.8	73.7	73.6	73.7	73.7	73.7	73.7	73.6	73.6		73.9
26	SYSTEM INOPERATIVE																								
27	SYSTEM INOPERATIVE																								
28	SYSTEM INOPERATIVE									72.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8	72.8	72.8	72.6	72.6	72.7	72.7	72.7
29	72.6	72.6	72.8	72.9	73.0	73.0	73.0	73.0	73.0	72.9	72.9	72.8	72.7	72.7	72.6	72.5	72.4	72.4	72.3	72.3	72.3	72.3	72.3	72.3	72.6
30	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.3	72.3	72.3	72.3	72.2	72.2	72.2	72.1	72.1	72.0	72.0		71.9	71.8	71.7	71.6	71.5	72.1
																						MONTHLY AVERAGE			68.1

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

July 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	71.4	71.4	71.3	71.2	71.2	71.1	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.0	70.9	70.9	71.0	71.2	71.2	71.2	71.1	71.0	70.9	70.8	71.1
2	70.7	70.7	70.6	70.5	70.5	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.2	70.1	70.0	70.0	69.9	69.9	70.0	70.1	70.1	70.0	70.0	70.0	70.3
3	70.0	70.0	69.9	69.9	69.9	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	70.3	70.3	70.5	70.5	70.5	SYSTEM INOPERATIVE				70.0
4	70.3	70.2	70.2	70.1	70.1	70.1	70.0	70.0	70.0	70.0	70.0	70.0	69.8	69.6	69.4	69.4	69.5	69.5	69.5	SYSTEM INOPERATIVE					69.9
5	SYSTEM INOPERATIVE						69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.4	69.5	69.6	69.9	70.2	70.5	70.7	70.5	70.4	70.4	70.7	69.9
6	70.8	70.6	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.7	70.8	70.8	70.9	SYSTEM INOPERATIVE								71.0	70.9		70.7
7	71.0	71.0	71.2	71.1	71.1	71.1	71.1	71.0	71.0	71.1	71.2	71.3	71.5	71.5	71.7	71.9	71.9	72.0	72.2	72.1	71.8	72.0	71.9	71.9	71.5
8	72.0	72.1	72.0	72.1	72.0	71.7	71.8	71.8	71.9	71.9	71.8	71.9	72.4	72.7	72.8	73.1	73.3	73.4	73.2	73.2	73.1	73.1	73.0	73.0	72.5
9	73.1	73.3	73.4	73.6	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.8	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.6
10	73.9	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.1	74.1	74.1	74.1	74.2	74.2	74.1	74.1	74.3	74.3	74.1
11	74.4	74.2	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.2	74.4	74.5	74.7	75.4	75.8	76.1	76.3	76.3	76.5	76.6	76.6	76.2	76.4	75.1
12	76.4	76.3	76.2	76.2	76.2	76.0	75.9	76.0	75.9	75.8	75.8	76.2	76.6	76.6	76.9	77.1	77.3	77.5	77.6	77.8	77.8	77.9	77.9	78.0	76.7
13	78.1	78.1	78.0	78.0	78.0	77.9	77.9	77.8	77.6	77.4	77.1	77.0	77.0	77.3	77.6	77.7	77.3	77.1	77.3	77.2	77.3	77.3	77.3	77.4	77.5
14	77.4	77.1	77.2	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.4	77.4	77.3	77.4	77.4	77.4	77.5	77.4	77.5	77.5	77.5	77.5	77.8	78.0	77.4
15	78.2	78.5	78.6	78.6	78.5	78.6	78.5	78.5	78.5	78.5	78.5	78.4	78.4	78.6	78.4	78.3	77.5	78.0	77.9	78.3	78.3	78.2	78.4	78.5	78.4
16	78.6	78.6	78.3	78.2	78.0	78.1	78.1	78.2	78.1	77.8	77.7	77.7	77.4	77.4	77.6	77.7	77.9	78.0	78.0	78.0	77.9	78.0	77.9	78.0	78.0
17	78.0	78.0	77.9	77.9	78.3	78.5	78.5	78.5	78.5	78.5	78.4	78.4	78.5	78.6	78.6	78.6	78.5	78.5	78.7	78.5	78.5	79.0	79.2	79.0	78.5
18	78.8	78.8	78.8	78.7	78.7	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.8	78.9	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.1	79.1	78.9
19	79.1	79.1	79.1	79.1	79.1	79.0	79.0	79.0	79.0	79.0	78.9	78.9	79.0	78.9	78.9	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.0
20	78.9	78.9	78.9	78.9	78.8	78.8	78.8	78.7	78.7	78.7	78.6	78.6	78.5	78.4	78.3	78.3	78.5	78.4	78.4	78.4	78.2	78.2	78.3	78.3	78.6
21	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.3	78.3	78.2	78.1	78.1	78.0	78.0	78.0	77.9	77.7	77.5	77.4	77.3	77.2	77.2	77.2	77.1	77.9
22	77.0	76.9	76.8	76.7	76.5	76.3	76.1	75.9	75.7	75.4	75.3	75.2	75.3	75.3	75.3	75.4	75.5	75.6	75.5	75.2	75.0	74.8	74.6	74.5	75.7
23	74.3	74.3	74.2	74.1	74.0	73.9	73.7	73.6	73.5	73.5	73.7	73.8	73.8	73.9	74.0	74.1	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.1
24	74.4	74.4	74.3	74.3	74.2	74.1	74.0	73.9	73.8	73.8	73.7	73.6	73.5	73.4	73.2	73.0	73.0	73.0	73.0	73.0	73.1	73.2	73.3	73.3	73.6
25	73.3	73.3	73.3	73.2	73.2	73.1	73.1	73.1	73.0	73.0	72.8	72.5	72.5	72.5	72.6	72.7	72.9	72.9	72.8	72.7	72.7	72.6	72.6	72.6	72.9
26	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.7	72.8	73.0	73.0	73.0	73.0	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.6	73.6	73.1
27	73.6	73.5	73.5	73.4	73.4	73.3	73.3	73.2	73.2	73.2	73.2	73.1	73.1	73.0	73.1	73.3	73.3	73.5	73.6	73.6	73.5	73.6	73.6	73.6	73.4
28	73.7	73.6	73.7	73.6	73.5	73.6	73.7	73.9	73.9	74.0	74.0	74.0	74.0	73.9	73.9	74.0	74.1	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.0
29	74.5	74.4	74.4	74.4	74.3	74.3	74.3	74.2	74.2	74.2	74.1	74.0	73.9	73.9	73.9	74.1	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.4
30	74.8	74.9	74.9	74.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.7	74.7	74.8	74.8	74.8	75.0	75.2	75.2	75.2	75.4	75.4	75.4	75.3	74.9
31	75.4	75.3	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.6	75.7	75.8	75.8	75.7	75.7	75.7	75.5
																						MONTHLY AVERAGE			74.7

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

August 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	75.6	75.7	75.7	75.8	75.6	75.6	75.6	75.6	75.7	75.6	75.7	75.9	76.1	76.1	76.1	76.5	76.8	77.0	76.9	77.1	77.4	77.0	76.8	76.9	76.2
2	76.8	76.9	76.7	76.7	76.8	76.8	76.9	76.8	76.8	76.7	76.7	77.3	77.6	77.8	78.0	78.2	78.4	78.7	78.9	79.0	79.1	79.3	79.2	79.1	77.7
3	79.1	79.1	79.1	79.1	79.1	79.1	79.0	79.0	79.0	79.1	79.1	79.0	78.8	78.7	78.8	78.9	79.1	79.5	79.8	79.9	80.0	80.1	80.1	80.0	79.3
4	79.9	79.9	79.8		79.7	79.7	79.7	79.6	79.6	79.6	79.7	79.7	79.8	79.9	80.1	80.3	80.4	80.5	80.6	80.7	80.8	80.8	80.9	80.9	80.1
5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	80.9	80.9	81.0	81.1	81.3	81.6	81.9	82.0	82.1	82.1	82.1	81.2
6	82.0	82.0	82.0	82.0	82.0	81.9	81.9	81.9	81.8	81.8	81.8	81.8	81.8	81.7	81.5	81.4	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.8
7	81.6	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.7	81.7
8	81.7	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.3	82.5	82.6	82.7	82.7	82.5	82.5	82.6	82.0
9	82.6	82.5	82.5	82.4	82.4	82.3	82.3	82.2	82.2	82.2	82.3	82.2	82.1	82.0	82.1	82.2	82.4	82.5	82.6	82.6	82.6	82.7	82.6	82.6	82.4
10		82.4	82.4	82.3	82.3	82.2	82.1	82.1	82.0	82.1	82.1	82.0	82.0	82.0	82.0	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.3
11	82.5	82.4	82.4	82.4	82.3	82.3	82.3	82.3	82.3	82.2	82.2	82.2	82.1	82.0	81.9	82.0	82.1	82.2	82.4	82.7	82.9	83.0	83.0	82.9	82.4
12	82.9	82.8	82.7	82.7	82.6	82.6	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.2	83.1	83.1	82.8
13	83.0	83.0	82.9		82.8	82.8	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	82.9
14	83.0	83.0	83.0	83.0	83.0	82.9	82.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.7	82.7	82.7	82.7	82.8	82.9	82.9	83.1			82.9
15											SYSTEM INOPERATIVE														
16											SYSTEM INOPERATIVE														
17							SYSTEM INOPERATIVE									81.0	81.0	81.0	80.8	80.7	80.5	80.3	80.2	80.2	80.6
18	80.1	80.0	80.0	79.9	79.8	79.7	79.6	79.6	79.5	79.5	79.5	79.6	79.6	79.6	79.5	79.7	79.7	79.7	79.6	79.5	79.4	79.3			79.6
19	79.1	79.1	79.0	78.9	78.9	78.8	78.7	78.7	78.6	78.7	78.6	78.4	78.2	78.0	77.9	77.9	78.0	78.0	77.9	77.8	77.8	77.9	78.0	78.0	78.4
20	78.0	78.0	78.0	77.9	77.9	77.8	77.7	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.6	77.3	77.2	77.1	77.1	77.0	77.1	77.1	77.1	77.1	77.5
21	77.0	77.0	77.0	77.1	77.1	77.0	77.1	77.1	77.1	77.1	77.1	77.0	77.1	77.1	77.1	77.3	77.4	77.3	77.4	77.3	77.2	77.0	76.9	76.8	77.1
22	76.7	76.7	76.6	76.5	76.4	76.3	76.2	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.1	75.9	75.8	75.9	75.9	75.8	75.8	75.7	75.6	75.6	76.1
23	75.5	75.4	75.4	75.3	75.2	75.2	75.1	75.1	75.0	75.0	75.1	75.0	74.7	74.5	74.6	74.7	74.9	75.0	74.9	74.9		74.8	74.7	74.6	75.0
24	74.5	74.4	74.3	74.2	74.2	74.1	74.0	73.8	73.7	73.6	73.5	73.5	73.3	73.2	73.0	73.0	73.0	73.0	72.9	72.9	72.9	72.8	72.7	72.7	73.5
25	72.6	72.6	72.5	72.5	72.4	72.4	72.3	72.3	72.2	72.2	72.0	71.9	71.8	71.7	71.6	71.6	71.5	71.5	71.4	71.2	71.1	71.0		70.9	71.9
26	70.8	70.8	70.8	70.8	70.7	70.6	70.6	70.5	70.4	70.4	70.4	70.3	70.2	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.2	70.2	70.2	70.1	70.4
27	70.1	70.1	70.1	70.1	70.0	70.0	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.2	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.1
28	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.1	70.1	70.1	70.1	70.3	70.3	70.3	70.2	70.2	70.2	70.6	70.6	70.6	70.7	70.8	70.3
29	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.0	71.1	71.1	71.1	71.0	71.0	71.1	71.2	71.2	71.2	71.1	71.1	70.9	70.8	70.8	71.1
30	70.7	70.7	70.6	70.5	70.4	70.3	70.3	70.2	70.0	69.8	69.5	69.4	69.4	69.5	69.6	69.8	69.9	69.9	69.9	69.9	69.9	70.1	70.2	70.2	70.0
31	70.3	70.3	70.4	70.5	70.6	70.6	70.5	70.3	69.9	69.6	69.3	69.2	69.1	69.1	69.1	69.1	69.0	69.0	69.0	68.9	68.8	68.7	68.6	68.5	69.5
																						MONTHLY AVERAGE			77.4

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

September 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	68.5	68.4	68.4	68.4	68.4	68.4	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.5	68.6	68.8	68.9	68.9	68.9	68.8	68.7	68.7	68.6	68.5
2	68.6	68.5	68.5	68.4	68.3	68.3	68.2	68.2	68.2	68.2	68.3	68.4	68.5	68.5	68.7	68.8	68.8	68.9	68.9	68.8	68.7	68.6	68.5	68.5	68.5
3	68.4	68.4	68.3	68.2	68.1	68.0	68.0	67.9	67.8	67.7	67.7	67.6	67.5	67.6	67.6	67.7	67.8	68.0	68.2	68.4	68.5	68.6	68.7	68.8	68.1
4	68.8	68.8	68.8	68.8	68.8	68.7	68.7	68.7	68.7	68.6	68.6	68.6	68.6	68.5	68.4	68.4	68.3	68.2	68.1	68.0	67.9	68.0	68.0	68.0	68.5
5	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.0	68.0	67.9	67.9	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.0	67.9	67.8	67.7	68.0
6	67.5	67.4	67.4	67.4	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.3	67.2	67.0	66.7	66.8	67.1	67.4	67.5	67.4	67.4	67.4	67.4	67.5	67.3
7	67.5	67.4	67.4	67.3	67.3	67.3	67.2	67.2	67.1	67.1	67.1	67.1	67.1	67.1	66.6	66.3	66.5	66.7	66.7	66.5	66.4	66.4	66.2	66.2	66.9
8	66.1	66.0	65.9	65.9	65.8	65.8	65.7	65.7	65.7	65.7		65.9	65.9	65.9	66.0	66.1	66.2	66.1	66.0	65.9	66.0	66.0	66.0	66.1	65.9
9	66.1	66.1	66.0	66.0	65.9	65.8	65.8	65.7	65.7	65.7	65.7	65.7	65.6	65.5	65.5	65.6	65.7	65.8	65.9	66.1	66.3	66.5	66.6	66.5	65.9
10	66.3	66.3	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.8	67.2	67.3	67.2	67.2	67.3	67.2	67.2	67.1	66.7
11	67.0	67.0	67.0	66.9	66.9	66.8	66.7	66.7	66.6	66.6	66.5	66.4	66.3	66.3	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.7
12	66.8	66.7	66.6	66.6	66.6	66.5	66.5	66.4	66.4	66.4	66.4	66.4	66.3	66.0	65.9	65.8	65.9	65.9	65.8	65.9	66.0	66.0	66.0	66.0	66.2
13	65.9	66.0	66.1	66.2	66.2	66.2	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.4	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.3	66.3	66.2
14	66.2	66.2	66.1	66.0	66.0	66.0	65.9	65.9	65.8	65.9	66.0	66.0	65.8	65.8	65.9	66.0	66.2	66.3	66.2	66.1	66.1	66.2	66.2	66.2	66.0
15	66.2	66.1	66.1	66.0	65.9	65.8	65.8	65.8	65.7	65.7	65.8	65.8	65.7	65.5	65.5	65.6	65.7	65.8	65.8	65.8	65.7	65.7	65.6	65.5	65.8
16	65.4	65.4	65.3	65.3	65.2	65.2	65.2	65.1	65.1	65.1	65.0	65.0	65.1	65.1	65.2	65.3	65.4	65.4	65.3	65.3	65.3	65.3	65.3	65.3	65.2
17	65.3	65.2	65.2	65.3	65.3	65.3	65.2	65.2	65.1	65.1	65.1	65.1	65.1	65.2	65.1	65.1	65.0	65.0	65.0	65.0	64.9	64.9	64.9	64.8	65.1
18	64.8	64.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.1	65.1	65.2	64.8
19	65.2	65.1	65.0	65.1	65.2	65.2	65.1	65.1	65.1	65.0	65.0	64.9	64.9	64.9	65.0	65.2	65.4	65.4	65.3	65.2	65.2	65.2	65.3	65.4	65.1
20	65.4	65.4	65.3	65.3	65.3	65.3	65.2	65.2	65.2	65.1	65.1	65.1	65.1	65.0	65.0	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.2
21	65.3	65.3	65.3	65.3	65.3	65.3	65.2	65.2	65.2	65.2	65.1	65.1	65.2	65.4	65.5	65.7	65.8	65.8	65.8	65.7	65.6	65.5	65.4	65.4	65.4
22	65.3	65.3	65.2	65.2	65.1	65.0	65.0	64.9	64.9	64.9	64.9	64.8	64.7	64.8	64.9	64.8	64.9	65.3	65.3	65.3	65.3	65.3	65.3		65.0
23	65.2	65.2	65.2	65.1	65.1	65.1	65.1	65.0	65.0	64.9	64.9	64.9	64.9	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
24	65.0	64.9	64.9	64.8	64.8	64.7	64.7	64.6	64.6	64.6	64.6	64.6	64.5	64.5	64.6	64.7	65.2	65.4	65.4	65.4	65.4	65.3	65.3	65.2	64.9
25	65.2	65.1	65.0	65.0	64.9	64.9	64.8	64.8	64.7	64.8	64.8	64.9	64.9	64.8	64.7	64.8	64.9	65.0	65.2	65.5	65.6	65.6	65.6	65.5	65.0
26	65.5	65.5	65.4	65.3	65.2	65.1	65.1	65.0	65.0	64.9	64.8	64.7	64.6	64.4	64.5	64.7	64.8	65.0	65.0	64.9	64.8	64.8	64.7	64.7	64.9
27	64.6	64.6	64.5	64.5	64.4	64.4	64.3	64.3	64.2	64.2	64.2	64.1	64.0	63.8	63.7	63.8	63.8	64.0	64.2	64.3	64.3	64.4	64.4	64.4	64.2
28	64.4	64.3	64.3	64.3	64.3	64.2	64.2	64.2	64.2	64.2	64.2	64.1	63.9	64.2	64.1	64.2	64.2	64.1	64.0	64.0	64.0	64.0	63.9	63.9	64.1
29	63.9	63.8	63.7	63.6	63.6	63.5	63.5	63.4	63.4	63.3	63.3	63.2	63.1	62.8	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.1	63.0	63.0	63.2
30	62.9	62.9	62.9	62.8	62.8	62.8	62.7	62.6	62.6	62.6	62.7	62.6	62.4	62.2	62.0	61.9	62.0	62.1	62.2	62.2	62.1	62.1	62.1	62.2	62.4
																						MONTHLY AVERAGE			65.8

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

October 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	62.2	62.2	62.2	62.2	62.3	62.3	62.3		62.2	62.2	62.3	62.3	62.3	62.1	62.0	62.0	62.0	62.0	62.0	62.1	62.2	62.2	62.3	62.3	62.2
2	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.5	62.5	62.6	62.8	62.9	62.9	62.8	62.5
3	62.9	62.9	62.9	62.9	62.9	62.9	62.8	62.7	62.7	62.6	62.7	62.6	62.5	62.5	62.6	62.6	62.8	62.9	63.0	63.1	63.1	63.1	63.1	63.0	62.8
4	63.0	62.9	62.9	62.8	62.8	62.7	62.7	62.6	62.6	62.5	62.5	62.4	62.1	62.0	61.9	61.9	62.0	62.1	62.2	62.1	62.0	62.1	62.1	62.1	62.4
5	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.3	62.2	62.2	62.1		62.0	61.9	61.8	61.8	61.9	61.9	61.9	61.8	62.0
6	61.8	61.8	61.8	61.7	61.7	61.6	61.6	61.6	61.5	61.5	61.5	61.6	61.6	61.5	61.5	61.4	61.3	61.2	61.1	61.1	61.1	61.1	61.0	61.1	61.4
7	61.1	61.1	61.0	60.9	60.9	60.8	60.7	60.7	60.6	60.7	60.7	60.6	60.4	60.2	59.9	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.8	60.3
8	59.8	59.7	59.7	59.7	59.6	59.6	59.5	59.4	59.3	59.2	59.1	58.8	58.4	58.3	58.2	58.1	58.1	58.1	58.1	58.0	58.0	57.9	57.9	57.8	58.8
9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.7	57.6	57.5	57.4	57.4	57.3	57.3	57.3	57.2	57.2	57.2	57.1	57.1	57.1	57.2	57.2	57.2	57.5
10	57.2	57.1	57.1	57.0	57.0	57.0	56.9	56.9	56.9	56.9	56.9	57.0	56.9	56.9	56.8	56.7	56.7	56.7	56.6	56.6	56.6	56.6	56.6	56.6	56.8
11	56.5	56.5	56.5	56.4	56.4	56.4	56.4	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.7	56.6	56.6	56.4	56.4	56.4	56.5	56.4
12	56.5	56.5	56.5	56.5	56.4	56.4	56.4	56.3	56.3	56.3	56.2	56.0	55.9	55.8	55.7	55.7	55.8	55.8	55.8	55.8	55.7	55.6	55.5	55.5	56.0
13	55.5	55.4	55.4	55.3	55.3	55.3	55.2	55.2	55.0	54.9	54.8	54.7	54.5	54.4	54.5	54.6	54.5	54.3	54.2	54.0	54.0	54.0	54.1	54.0	54.7
14	54.0	53.9	53.9	53.8	53.7	53.7	53.6	53.5	53.5	53.5	53.4	53.1	52.9	52.9	53.1	53.2	53.2	53.0	52.9	52.8	52.7	52.7	52.7	52.7	53.3
15	52.7	52.7	52.7	52.6	52.6	52.5	52.5	52.4	52.4	52.4	52.3	52.3	52.2	52.2	52.1	52.0	52.0	52.0	51.9	51.9	51.9	52.0	52.0	52.0	52.3
16	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.2	52.1	52.0	52.1	52.0	51.9	51.9	52.2
17	51.9	51.9	51.9	51.9	52.0	51.9	52.0	52.0	52.0	52.0	52.0	52.0	51.9	51.9	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
18	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.1
19	52.4	52.4	52.3	52.3	52.3	52.3	52.3	52.2	52.2	52.2	52.2	52.1	52.1	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.2	52.1	52.1	52.2
20	52.0	51.9	51.8	51.8	51.7	51.7	51.6	51.6	51.5	51.6	51.6	51.6	51.6	51.7	51.8	52.0	52.1	52.1	52.1	52.1	52.0	52.0	51.9	51.9	51.8
21	51.8	51.8	51.7	51.6	51.6	51.5	51.4	51.3	51.3	51.2	51.2	51.1	51.0	51.1	51.2	51.3	51.1	50.9	50.9	50.8	50.7	50.7	50.7	50.7	51.2
22	50.7	50.7	50.7	50.6	50.6	50.6	50.6	50.5	50.6	50.6	50.5	50.5	50.3	50.2	50.1	50.1	49.9	49.8	49.9	50.0	50.0	49.8	49.6	49.3	50.3
23	49.2	49.1	49.1	49.0	49.0		48.9	48.9	48.9	48.9	49.0	49.1	49.2	49.2	48.3	47.7	47.9	48.7	49.2	49.4	49.4	49.3	49.3	49.2	49.0
24	49.2	49.2	49.1	49.1	49.1	49.0		49.0	48.9	48.8	48.7	48.7	48.4	47.2	46.6	47.0	47.8	48.2	48.3	48.3	48.2	48.1	48.0	47.9	48.4
25	47.8	47.7	47.6	47.5	47.4	47.4	47.4	47.3	47.2	47.1	47.1	47.1	47.3	46.4	45.8	46.2	46.9	47.2	47.3	47.4	47.4	47.4	47.4	47.3	47.2
26	47.2	47.2	47.1	47.1	47.0	46.9	46.8	46.8	46.7	46.7	46.8	46.8	46.9	46.9	46.3	46.3	47.0	47.2	47.2	47.2	47.1	47.1	47.1	47.0	46.9
27	47.0	46.9	46.9	46.8	46.8	46.7	46.7	46.7	46.7	46.7	46.7	46.8	47.1	47.0	46.3	46.5	47.2	47.4	47.5	47.5	47.4	47.3	47.2	47.1	46.9
28	47.1	47.0	47.0	46.8	46.8	46.7	46.6	46.6	46.5	46.6	46.7	46.8	47.1	47.2	46.8	46.8	47.0	47.1	47.1	47.0	47.0	47.0	46.9	46.9	46.9
29	46.8	46.8	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.7	46.5	46.4	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.5	46.5	46.5	46.4	46.6
30	46.2	45.9	45.9	45.9	45.7	45.7	45.7	45.8	45.9	45.9	46.0	46.2	46.3	46.4	46.4	46.6	46.7	46.6	46.6	46.6	46.6	46.6	46.6	46.5	46.2
31	46.5	46.4	46.3	46.1	46.0	45.9	45.8	45.7	45.7	45.6	45.3	45.0	44.7	44.9	45.3	45.5	45.4	45.3	45.2	45.0	44.9	45.1	45.2	45.4	45.5
																						MONTHLY AVERAGE			53.7

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

November 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	45.3	45.4	45.4	45.3	45.2	45.2	45.2	45.2	45.2	45.0	44.8	44.4	44.4	44.7	44.9	44.5	44.0	44.1	44.1	44.0	44.0	44.0	44.0	43.9	44.7
2	43.9	43.9	44.0	44.0	43.9	43.7	43.6	43.1	42.4	42.4	42.6	42.9	43.2	43.3	43.4	43.3	43.3	43.2	43.0	43.0	42.9	42.9	42.8	42.7	43.2
3	42.6	42.5	42.6	42.6	42.4	42.4	42.4	42.4	42.4	42.3	42.4	42.4	42.4	42.5	42.5	42.4	42.3	42.2	42.2	42.2	42.2	42.1	42.0	41.9	42.3
4	41.8	41.7	41.5	41.4	41.4	41.4	41.3	41.3	41.3	41.3	41.4	41.6	41.8	41.9	42.0	42.2	42.1	42.1	42.0	42.0	42.1	42.0	42.0	42.0	41.7
5	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	41.9	41.9	41.7	41.7	41.6	41.5	41.7	42.0	42.4	42.5	42.7	42.8	43.0	43.0	43.1	42.1
6	43.2	43.2	43.3	43.3	43.4	43.5	43.6	43.6	43.7	43.8	44.0	44.3	44.5	44.7	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.2
7	45.0	45.0	45.0	45.0	45.0	45.0	44.9	44.9	44.9	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.3	45.3	45.2	45.2	45.2	45.1	45.1
8	45.0	44.9	44.8	44.8	44.7	44.7	44.7	44.6	44.6	44.5	44.5	44.4	44.4	44.3	44.3	44.2	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.5
9	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.6	44.7	44.8	44.8	44.8	44.7	44.7	44.7	44.7	44.7	44.6	44.6	44.6	44.5	44.6
10	44.4	44.3	44.2	44.1	44.0	43.9	43.8	43.7	43.6	43.5	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.9	43.9	43.8
11	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.1	44.3	44.4	44.5	44.6	44.6	44.5	44.6	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.4
12	44.9	44.9	44.8	44.8	44.7	44.6	44.5	44.4	44.3	44.3	44.2	44.2	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.5	44.5	44.6
13	44.4	44.3	44.1	44.0	43.9	43.8	43.7	43.6	43.5	43.4	43.3	43.2	43.1	43.1	43.1	43.0	43.0	43.0	43.0	43.1	43.2	43.3	43.2	43.2	43.4
14	43.2	43.2	43.2	43.1	43.0	42.9	42.8	42.6	42.4	42.2	42.2	42.2	42.3	42.5	42.6	42.6	42.7	42.8	42.9	42.9	43.0	43.1	43.2	43.2	42.8
15	43.1	43.0	42.9	42.7	42.6	42.5	42.3	42.2	42.2	42.2	42.2	42.3	42.4	42.4	42.5	42.5	42.5	42.4	42.4	42.4	42.4	42.4	42.3	42.2	42.5
16	42.1	41.9	41.8	41.7	41.6	41.5	41.5	41.4	41.5	41.5	41.6	41.7	41.7	41.8	41.9	41.9	42.0	41.9	41.8	41.7	41.7	41.7	41.6	41.6	41.7
17	41.5	41.5	41.5	41.5	41.6	41.6	41.6	41.7	41.8	41.8	41.9	42.0	42.1	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.3	42.3	42.0
18	42.3	42.2	42.2	42.2	42.1	42.1	42.0	42.0	41.9	41.9	41.9	41.9	41.8		41.9	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0
19	41.8	41.7	41.7	41.6	41.5	41.4	41.3	41.3	41.2	41.1	41.0	41.0	41.0	41.0	41.1	41.0	41.1	41.1	41.2	41.3	41.3	41.3	41.2	41.2	41.3
20	41.2	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.2	41.2	41.1	41.0	40.9	40.9	40.8	40.8	40.7	41.1
21	40.6	40.6	40.6	40.5	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.4	40.4	40.4	40.3	40.3	40.3	40.2	40.1	40.1	40.4
22	40.1	40.1	40.1	40.0	39.9	39.8	39.7	39.7	39.7	39.8	39.9	39.9	40.0	40.0	40.0	40.0	39.9	39.8	39.8	39.7	39.7	39.5	39.3	39.2	39.8
23	39.0	38.8	38.6	38.5	38.4	38.4	38.2	38.1	38.0	38.0	38.0	38.0	38.1	38.1	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.2	38.2	38.3
24	38.1	38.1	38.0	38.0	38.0	38.0	38.0	37.9	37.9	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.8	37.8	37.7	37.7	37.7	37.6	37.5	37.5	37.8
25	37.4	37.4	37.3	37.3	37.2	37.2	37.1	37.1	37.1	37.0	37.0	37.1	37.1	37.2	37.2	37.1	37.0	37.0	36.9	36.9	36.9	36.8	36.8	36.8	37.1
26	36.7	36.6	36.6	36.5	36.4	36.3	36.3	36.2	36.2	36.2	36.2	36.3	36.4	36.5	36.6	36.6	36.7	36.7	36.7	36.6	36.7	36.7	36.6	36.6	36.5
27	36.6	36.6	36.6	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.4	36.7
28	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.7	37.7	37.8	37.8	37.8	37.9	38.0	38.0	38.0	38.1	38.1	38.2	37.7
29	38.2	38.1	38.1	38.0	38.0	37.9	37.9	37.9	37.9	37.9	37.9	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.3	38.3	38.2	38.1
30	38.2	38.1	38.1	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.1	38.1	38.1	38.0	38.1
																								MONTHLY AVERAGE	41.4

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 7

December 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	38.0	38.0	37.9	37.9	37.8	37.8	37.7	37.6	37.6	37.5	37.5	37.6	37.7	37.8	37.8	37.8	37.8	37.8	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2	37.6	37.5	37.4	37.4	37.3	37.3	37.2	37.2	37.1	37.1	37.0	37.0	37.0	37.0	37.0	37.0	37.0	36.9	36.9	36.9	36.9	36.9	36.8	36.8	37.1
3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	37.0	37.2	37.3	37.3	37.4	37.4	37.4	37.4	37.3	37.3	37.4	37.4	37.4	37.1
4	37.4	37.5	37.4	37.4	37.4	37.3	37.3	37.2	37.1	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.1	37.0	37.0	36.9	36.9	36.8	36.7	37.1
5	36.6	36.5	36.4	36.3	36.2	36.1	36.0	35.9	35.9	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.8	35.8	35.7	35.7	35.6	35.6	36.0
6	35.5	35.5	35.4	35.4	35.3	35.2	35.1	35.0	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.1
7	35.0	34.9	35.0	35.0	35.0	35.0	35.0	35.0	34.8	34.7	34.7	34.7	34.8	34.8	34.7	34.7	34.6	34.5	34.4	34.4	34.4	34.4	34.5	34.5	34.7
8	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.5	34.5	34.5	34.5	34.3	34.2	34.4	34.5	34.5	34.5	34.4	34.3	34.3	34.3	34.3	34.5
9	34.3	34.3	34.4	34.4	34.4	34.3	34.3	34.2	34.3	34.3	34.2	34.2	34.2	34.2	34.1	34.1	34.1	34.1	34.1	34.1	34.0	33.9	33.9	33.9	34.2
10	33.9	33.9	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.7	33.7	33.6	33.6	33.6	33.5	33.4	33.4	33.4	33.4	33.5	33.4	33.4	33.4	33.4	33.6
11	33.4	33.4	33.4	33.4	33.4	33.3	33.1	33.0	33.0	33.0	33.1	33.2	33.1	33.1	33.0	33.0	32.9	32.8	32.7	32.8	32.6	32.6	32.6	32.6	33.0
12	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.5	32.6	32.7	32.7	32.8	33.0	33.1	33.0	33.0	33.0	32.9	32.8	32.8	32.8	32.7	32.6	32.6	32.7
13	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.4	32.4	32.4	32.4	32.3	32.4	32.4	32.4	32.3	32.3	32.3	32.4
14	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.2	32.2
15	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
16	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3
17	32.3	32.2	32.2	32.2	32.2	SYSTEM INOPERATIVE																			32.2
18	SYSTEM INOPERATIVE																								
19	SYSTEM INOPERATIVE																								
20	SYSTEM INOPERATIVE																								
21	SYSTEM INOPERATIVE										32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.4
22	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.5	32.5	32.6	32.6	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.4	32.4	32.4
23	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3
24	32.3	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.3	32.3	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3
25	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.5	32.4	32.4	32.4	32.4	32.5	32.4	32.4	32.3	32.3
26	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.5	32.5	32.5	32.4	32.4	32.5	32.5	32.5	32.5	32.4	32.4	32.4
27	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.4
28	32.3	32.3	32.3	32.3	32.2	32.2	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.3	32.3	32.3
29	32.3	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.5	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.4	32.4	32.4
30	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.5	32.5	32.5	32.6	32.6	32.5	32.6	32.5	32.5	32.5	32.5	32.4	32.4	32.4
31	32.4	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.5	32.5	32.4	32.4	32.4	32.4	32.4
																						MONTHLY AVERAGE			33.6

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

January 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	33.8	33.7	33.7	33.8	34.1	34.5	34.9	35.3	35.8	36.2	36.8	37.8	38.5	37.9	36.8	35.8	35.1	34.5	34.2	33.9	33.8	33.8	33.7	33.7	35.1
2	33.7	33.7	33.6	33.5	33.4	33.4	33.5	33.8	34.3	35.5	36.7	36.4	35.6	34.9	34.4	34.1	34.0	33.8	33.7	33.6	33.6	33.6	33.5	33.5	34.2
3	33.5	33.5	33.5	33.4	33.3	33.4	33.5	33.6	34.4	35.6	36.3	36.4	36.1	35.7	35.4	35.3	35.2	35.0	34.6	34.1	33.8	33.7	33.7	33.7	34.4
4	33.8	33.9	34.1	34.1	34.2	34.3	34.5	34.8	35.7	37.0	37.0	36.1	35.2	34.7	34.3	34.1	34.1	34.3	34.5	34.3	34.0	34.0	33.9	33.9	34.6
5	33.9	33.9	34.0	33.9	33.9	34.1	34.4	34.8	35.8	37.2	37.2	36.3	35.5	34.8	34.5	34.2	34.0	33.9	33.8	33.8	33.8	33.7	33.8	33.7	34.5
6	33.6	33.5	33.4	33.5	33.7	34.0	34.4	34.9	36.0	37.1	36.8	36.0	35.2	34.7	34.4	34.2	34.1	34.0	33.9	33.8	33.8	33.8	33.7	33.6	34.4
7	33.5	33.5	33.4	33.6	34.0	34.5	34.9	35.7	36.9	36.8	35.9	35.1	34.7	34.5	34.3	34.4	34.5	34.7	35.2	35.3	34.7	34.3	34.1	34.1	34.7
8	34.1	34.0	34.1	34.2	34.4	34.8	35.2	35.6	36.3	37.4	37.6	36.8	35.8	35.1	34.6	34.4	34.2	34.0	33.9	33.9	33.8	33.8	33.8	33.8	34.8
9	33.8	33.8	33.7	33.7	33.6	33.7	34.0	34.3	34.7	35.5	36.7	37.1	36.4	35.6	35.0	34.7	34.5	34.4	34.9	34.9	34.2	33.9	33.7	33.8	34.6
10	34.1	34.3	34.4	34.5	34.6	34.7	34.7	34.9	35.1	35.4	35.7	36.2	36.9	37.8	38.4	38.6	38.4	38.1	37.6	36.3	35.2	34.5	34.0	33.9	35.8
11	34.0	34.2	34.3	34.2	34.2	34.2	34.2	34.5	35.6	36.5	36.0	35.1	34.6	34.4	34.3	34.4	34.4	34.8	35.3	35.1	34.5	34.2	34.0	34.0	34.6
12	34.1	34.2	34.3	34.3	34.4	34.4	34.4	34.6	35.8	36.7	36.5	35.7	35.1	34.6	34.4	34.3	34.3	34.7	35.3	35.3	34.7	34.4	34.2	34.1	34.8
13	34.0	34.1	34.2	34.3	34.5	34.9	35.3	35.7	36.4	37.5	37.4	36.6	35.7	35.1	34.7	34.5	34.3	34.1	34.0	33.9	33.8	33.8	33.6	33.5	34.8
14	33.4	33.3	33.5	33.9	34.3	34.6	34.9	35.3	36.1	37.2	36.9	36.0	35.1	34.6	34.3	34.1	34.0	33.9	33.8	33.7	33.7	33.7	33.7	33.6	34.5
15	33.5	33.5	33.4	33.5	34.0	34.4	34.9	35.3	36.4	37.0	36.5	35.6	34.9	34.5	34.2	34.1	33.9	33.8	33.8	33.8	33.8	33.8	33.7	33.7	34.4
16	33.6	33.6	33.5	33.6	34.0	34.5	35.0	35.4	35.7	36.4	37.4	37.2	36.3	35.5	35.0	34.8	34.6	34.7	35.4	35.4	34.9	34.5	34.3	34.2	35.0
17	34.1	34.1	34.0	34.1	34.4	34.8	35.2	35.7	36.1	36.7	37.6	37.5	36.6	35.7	35.1	34.9	34.7	34.7	35.3	35.7	35.2	34.7	34.4	34.3	35.2
18	34.2	34.2	34.2	34.2	34.3	34.5	34.8	35.6	36.9	37.1	36.4	35.6	35.0	34.6	34.4	34.3	34.3	34.7	35.1	34.6	34.2	34.0	33.9	33.8	34.8
19	33.8	33.9	34.0	34.2	34.5	34.9	35.4	35.8	36.9	37.6	36.9	35.8	35.0	34.6	34.4	34.4	34.5	34.9	34.8	34.3	34.0	33.9	33.9	33.8	34.8
20	33.8	33.7	33.7	33.8	34.0	34.3	34.8	35.4	36.7	37.1	36.3	35.4	34.7	34.3	34.1	34.0	33.9	33.9	33.8	33.8	33.7	33.7	33.8	33.8	34.4
21	33.8	33.9	33.9	33.8	33.8	34.1	34.4	34.9	35.5	36.9	37.3	36.5	35.4	34.7	34.3	34.2	34.2	34.5	34.4	34.1	33.9	33.9	33.8	33.8	34.6
22	33.8	33.7	33.7	33.9	34.0	34.2	34.6	35.2	36.6	36.9	36.0	35.1	34.6	34.4	34.4	34.4	34.4	34.8	35.1	34.5	34.1	33.9	33.8	33.8	34.6
23	33.7	33.8	34.0	34.0	34.2	34.6	35.0	35.4	35.8	36.2	37.3	37.7	36.9	35.9	35.3	35.0	34.9	34.7	35.4	35.7	35.2	34.7	34.4	34.2	35.2
24	34.1	34.0	34.0	34.1	34.4	34.8	35.3	35.7	36.0	36.4	36.9	37.4	38.0	38.6	39.0	39.2	39.3	39.4	39.5	38.6	37.2	36.1	35.4	35.0	36.6
25	35.0	35.0	35.0	35.0	35.1	35.4	35.8	36.5	37.6	37.7	36.9	35.9	35.3	35.0	34.8	34.7	34.8	35.0	35.5	35.2	34.7	34.4	34.3	34.2	35.4
26	34.1	34.1	34.1	34.1	34.3	34.7	35.1	35.5	36.5	37.7	37.7	36.7	35.8	35.2	35.1	35.1	35.0	35.0	34.8	34.3	34.0	33.8	33.7	33.7	35.0
27	33.7	33.7	33.8	33.9	34.0	34.0	34.3	34.7	35.6	36.7	36.6	35.7	34.9	34.5	34.3	34.4	34.5	34.7	35.2	34.9	34.3	34.0	33.9	33.8	34.6
28	33.7	33.8	34.0	34.3	34.7	35.1	35.5	35.8	36.4	37.3	37.4	36.6	35.7	35.0	34.7	34.4	34.3	34.6	34.8	34.4	34.1	33.9	33.9	33.8	34.9
29	33.8	33.7	33.7	33.8	34.0	34.4	34.8	35.2	36.0	37.1	37.1	36.4	35.5	34.9	34.7	34.7	34.5	34.5	35.2	35.6	35.1	34.6	34.3	34.2	34.9
30	34.0	34.0	34.0	34.2	34.5	35.0	35.5	35.9	36.3	37.2	37.8	36.8	35.3	34.3	33.9	33.7	33.7	33.8	34.0	33.9	33.6	33.5	33.5	33.5	34.7
31	33.4	33.3	33.4	33.7	34.1	34.6	35.1	35.6	36.0	36.3	36.6	37.4	38.2	37.6	36.8	36.0	35.5	35.4	35.0	34.4	34.1	34.0	33.9	33.9	35.2
																						MONTHLY AVERAGE			34.8

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

February 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	33.9	33.8	33.8	33.8	34.0	34.4	34.9	35.4	36.7	37.4	36.7	35.8	35.0	34.7	34.7	34.6	34.7	35.1	36.0	36.0	35.2	34.6	34.4	34.2	35.0
2	34.2	34.3	34.2	34.3	34.5	34.9	35.3	35.8	37.2	37.6	36.7	35.7	34.9	34.4	34.2	34.0	34.0	33.9	33.8	33.8	33.8	33.8	33.7	33.7	34.7
3	33.7	33.6	33.7	33.7	33.8	33.7	33.7	33.6	33.6	33.6	33.6	33.7	33.8	33.8	33.8	33.8	33.7	33.7	33.6	33.5	33.5	33.5	33.4	33.4	33.6
4	33.4	33.4	33.4	33.4	33.3	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.4	33.4	33.4	33.4	33.4	33.4	33.4
5	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.5	33.5	33.6	33.7	33.8	33.8		33.7	33.6	33.6	33.5	33.5	33.4	33.4	33.4	33.5
6	33.4	33.4	33.4	33.7	34.0	34.3	34.4	34.5	34.5	34.1	33.8	33.7	33.7	33.7	33.7	33.7	33.6	33.6	33.5	33.5	33.5	33.5	33.5	33.5	33.7
7	33.4	33.4	33.4	33.4	33.7	34.3	34.7	35.1	35.4	35.7	35.9	35.2	34.4	34.1	34.0	34.0	33.9	34.0	34.7	34.8	34.3	33.9	33.7	33.6	34.3
8	33.6	33.5	33.4	33.5	33.6	34.0	34.5	35.6	36.5	36.1	35.1	34.4	34.1	34.0	33.9	33.9	33.9	34.2	34.1	33.8	33.7	33.6	33.6	33.6	34.2
9	33.5	33.6	33.6	33.9	34.2	34.5	35.0	35.7	36.6	36.1	35.2	34.5	34.1	34.0	33.9	33.9	34.1	34.3	34.3	33.9	33.7	33.6	33.6	33.6	34.3
10	33.6	33.6	33.7	33.9	34.2	34.5	35.1	35.7	36.7	36.7	35.7	34.9	34.4	34.1	34.0	33.9	33.8	33.7	33.7	33.6	33.6	33.6	33.6	33.6	34.3
11	33.5	33.6	33.6	33.7	34.0	34.4	34.9	35.4	36.4	36.5	35.6	34.9	34.4	34.1	34.0	34.0	34.2	34.4	34.3	33.9	33.8	33.7	33.7	33.7	34.4
12	33.8	33.9	34.0	34.1	34.1	34.3	34.6	35.0	36.1	36.2	35.4	34.5	34.1	33.9	33.8	33.8	33.8	33.7	33.7	33.7	33.7	33.7	33.6	33.6	34.2
13	33.6	33.6	33.6	33.7	34.0	34.3	34.7	35.2	35.6	36.3	37.2	37.4	36.5	35.5	34.8	34.5	34.5	34.6	34.3	34.0	33.8	33.7	33.7	33.7	34.7
14	33.5	33.5	33.6	33.7	33.9	34.3	34.7	35.2	35.6	36.1	37.0	37.6	36.9	35.8	35.2	34.9	34.8	34.9	34.9	34.7	34.2	33.9	33.7	33.8	34.8
15	33.8	33.7	33.7	33.8	33.9	34.1	34.5	34.8	35.7	36.7	36.3	35.4	34.6	34.2	34.0	33.9	33.9	34.3	34.3	34.0	33.8	33.7	33.7	33.7	34.4
16	33.8	33.9	34.0	34.2	34.5	34.9	35.4	36.0	37.0	37.0	36.0	35.1	34.6	34.3	34.2	34.1	34.2	34.2	34.0	33.9	33.8	33.7	33.7	33.7	34.6
17	33.8	33.8	33.9	33.9	34.0	34.2	34.7	35.3	36.4	36.6	35.9	35.1	34.6	34.3	34.1	34.0	34.0	33.8	33.8	33.7	33.7	33.7	33.8	33.8	34.4
18	33.9	33.8	34.1	33.9	33.9	33.9	34.2	35.2	36.2	36.4	35.7	35.0	34.6	34.4	34.3	34.2	34.2	34.1	33.9	33.8	33.9	33.7	33.8	33.8	34.4
19	33.8	33.9	33.9	33.9	34.3	34.9	35.1	36.7	37.0	36.3	35.4	34.8	34.5	34.3	34.2	34.2	34.2	34.0	33.9	33.8	33.9	33.9	33.8	33.8	34.5
20	33.8	33.8	33.7	33.7	33.7	34.1	34.4	34.9	35.9	37.1	36.9	36.1	35.3	34.7	34.4	34.2	34.2	34.4	34.4	34.1	33.9	33.8	33.8	33.8	34.6
21	34.1	34.3	34.4	34.4	34.4	34.5	34.9	35.4	35.9	36.4	36.8	37.3	36.7	35.6	34.9	34.5	34.3	34.1	34.0	33.9	33.8	33.8	33.9	34.0	34.8
22	34.1	34.4	34.6	34.2	34.2	34.3	34.8	36.4	36.8	36.1	35.4	35.0	34.5	34.4	34.3	34.9	35.0	35.4	35.2	35.0	34.3	34.0	33.9	34.8	34.8
23	SYSTEM INOPERATIVE																								
24	SYSTEM INOPERATIVE																								
25	SYSTEM INOPERATIVE																								
26	SYSTEM INOPERATIVE																								
27	SYSTEM INOPERATIVE																								
28	SYSTEM INOPERATIVE																								
29	SYSTEM INOPERATIVE																								

MONTHLY AVERAGE 34.3

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

March 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	SYSTEM INOPERATIVE																								
2	SYSTEM INOPERATIVE																								
3	SYSTEM INOPERATIVE																								
4	SYSTEM INOPERATIVE												38.6	38.6	38.2	37.4	36.3	35.3	34.7	34.3	34.1	34.0	34.0	33.9	35.6
5	33.9	33.8	33.7	33.8	33.8	33.9	34.0	34.4	34.8	35.8	36.8	36.8	36.1	35.6	35.2	35.1	35.1	35.2	35.6	35.7	35.1	34.6	34.4	34.1	34.9
6	34.0	34.0	34.1	34.3	34.4	34.6	34.9	35.2	35.5	36.0	36.7	37.7	38.3	38.4	38.4	38.4	38.2	38.1	37.9	37.8	37.3	36.3	35.5	35.1	36.3
7	34.9	34.7	34.8	35.5	35.9	36.0	35.9	35.8	35.8	35.5	34.8	34.5	34.4	34.4	34.5	34.7	34.7	34.7	35.2	35.6	35.2	34.8	34.6	34.3	35.0
8	34.1	34.0	33.9	33.9	34.1	34.5	34.9	35.4	36.7	37.2	36.6	35.9	35.3	35.1	34.9	35.1	35.3	35.5	35.6	35.7	35.2	34.7	34.4	34.3	35.1
9	34.2	34.0	33.9	34.1	34.5	34.9	35.3	35.8	36.9	37.3	36.7	35.8	35.1	34.7	34.5	34.3	34.5	34.8	35.1	34.9	34.4	34.1	34.0	33.9	34.9
10	33.9	33.9	33.8	33.8	34.0	34.3	34.8	35.3	36.5	37.2	36.7	35.8	35.2	34.9	34.7	34.6	34.5	34.4	34.2	34.1	34.0	33.9	33.9	33.9	34.7
11	33.8	33.8	33.7	33.6	33.8	34.5	35.3	35.7	35.7	35.3	34.8	34.5	34.5	34.4	34.4	34.4	34.3	34.1	33.8	33.7	33.6	33.6	33.6	33.7	34.3
12	33.6	33.7	33.7	33.6	33.5	33.4	33.4	33.7	34.1	35.4	36.5	36.3	35.7	35.2	34.9	34.7	34.5	34.3	34.2	34.1	34.0	33.9	33.9	33.8	34.3
13	33.9	33.9	34.1	34.4	34.7	34.9	34.9	34.9	35.0	35.0	34.7	34.4	34.2	34.2	34.2	34.2	34.2	34.2	34.1	34.1	34.0	34.0	34.0	34.0	34.3
14	34.0	33.9	34.0	34.0	34.0	34.3	34.6	35.1	36.4	37.1	36.6	35.8	35.1	34.8	34.7	34.6	34.6	35.0	35.9	35.9	35.2	34.7	34.3	34.2	35.0
15	34.0	34.0	33.9	34.0	34.2	34.5	34.9	35.8	36.9	36.6	35.9	35.2	34.8	34.5	34.4	34.3	34.2	34.2	34.1	34.0	33.9	33.8	33.8	33.8	34.6
16	33.8	33.8	33.9	34.0	34.4	34.8	35.2	35.7	35.4	34.7	34.3	34.2	34.1	34.2	34.2	34.3	34.2	34.2	34.1	34.0	34.0	33.9	33.9	33.9	34.3
17	33.8	33.8	33.7	33.6	33.5	33.6	33.9	34.4	35.6	36.5	36.3	35.7	35.3	35.1	35.4	35.3	34.9	34.8	34.6	34.5	34.3	34.1	34.0	34.0	34.6
18	34.0	33.9	33.9	33.9	34.0	34.3	34.7	35.2	36.4	37.1	36.7	35.9	35.3	34.9	34.6	34.6	34.5	34.7	35.2	35.2	34.7	34.3	34.1	34.1	34.8
19	34.0	34.0	34.0	33.9	33.9	33.8	33.9	34.2	34.7	36.0	36.4	35.7	34.8	34.4	34.3	34.3	34.2	34.2	34.6	34.7	34.4	34.2	34.1	34.0	34.4
20	34.0	34.0	34.0	34.0	34.1	34.2	34.4	34.7	35.0	35.3	36.1	37.1	37.4	37.0	36.7	36.5	36.4	36.3	36.6	36.4	35.8	35.3	34.9	34.6	35.5
21	34.5	34.3	34.3	34.1	34.0	33.7	33.7	34.3	35.5	35.9	35.6	35.3	35.1	35.0	35.1	35.2	35.3	35.2	35.1	35.8	35.7	35.4	35.1	35.0	34.9
22	34.9	34.7	34.4	34.3	34.4	34.7	35.0	35.9	36.9	36.7	36.1	35.5	35.2	35.2	35.3	35.4	35.6	35.9	36.1	35.7	35.2	34.9	34.7	34.6	35.3
23	34.5	34.4	34.2	34.2	34.3	34.6	34.9	35.3	36.7	37.3	37.0	36.4	35.9	35.6	35.4	35.4	35.4	35.5	35.7	35.9	35.7	35.2	34.9	34.8	35.4
24	34.9	35.0	35.1	35.2	35.3	35.4	35.3	35.7	36.8	36.9	36.5	35.9	35.5	35.4	35.4	35.5	35.6	35.6	35.6	36.4	36.5	36.3	36.2	36.0	35.7
25	35.8	35.6	35.4	35.6	36.1	36.5	37.0	37.5	38.4	38.3	37.5	36.6	36.1	35.8	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.9	36.0	36.2
26	36.0	36.0	36.1	36.0	35.9	35.9	36.0	36.4	37.8	38.9	38.2	37.1	36.4	36.0	35.7	35.5	35.4	35.3	35.2	35.2	35.1	34.9	34.7	34.5	36.0
27	34.4	34.3	34.2	34.1	34.1	34.1	34.1	34.1	34.1	34.0	34.0	33.9	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.0	34.1
28	34.0	33.9	33.8	33.7	33.6	33.6	33.5	33.4	33.3	33.3	33.2	33.1	33.0	33.0	33.2	33.3	33.4	33.4	33.2	32.9	32.7	32.8	32.9	33.1	33.3
29	33.3	33.4	33.5	33.5	33.5	33.4	33.4	33.4	33.4	33.5	33.7	33.8	34.0	34.1	34.2	34.4	34.6	34.7	34.8	34.9	34.9	35.0	35.0	35.1	34.1
30	35.1	35.2	35.2	35.2	35.2	35.2	35.1	35.1	35.0	35.0	35.1	35.3	35.4	35.6	35.8	36.0	36.1	36.2	36.4	36.5	36.6	36.7	36.8	36.9	35.7
31	37.0	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.5	37.6	37.8	37.9	37.9	38.0	38.1	38.2	38.3	38.4	38.6	37.6
																						MONTHLY AVERAGE			35.0

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

April 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	38.7	38.8	38.9	39.0	39.0	39.0	38.9	38.7	38.6	38.5	38.4	38.3	38.3	38.4	38.4	38.4	38.5	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.6
2	38.8	38.8	38.7	38.6	38.5	38.4	38.3	38.2	38.1	38.0	38.0	38.0	38.1	38.2	38.4	38.6	38.8	39.0	39.1	39.2	39.3	39.3	39.4	39.5	38.6
3	39.5	39.6	39.6	39.6	39.5	39.5	39.4	39.4	39.3	39.3	39.3	39.4	39.4	39.5	39.6	39.7	39.7	39.8	39.8	39.9	39.9	39.8	39.8	39.7	39.6
4	39.6	39.4	39.4	39.3	39.3	39.3	39.4	39.4	39.4	39.5	39.6	39.6	39.7	39.7	39.8	39.8	39.9	39.9	39.8	39.8	39.8	39.8	39.8	39.8	39.6
5	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.3	40.2	40.2	40.2	40.2	40.2
6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2
7	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.3	40.3	40.3	40.3	40.2	40.3
8	40.2	40.2	40.2	40.1	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.5	40.6	40.6	40.7	40.7	40.8	40.8	40.4
9	40.8	40.8	40.9	40.9	40.9	40.8	40.8	40.8	40.8	40.9	41.0	41.1	41.2	41.4	41.5	41.6	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.3
10	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.1	42.2	42.4	42.6	42.8	43.0	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	42.6
11	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.4	43.4	43.4	43.5	43.6	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.8	43.8	43.8	43.7	43.7	43.7
12	43.6	43.6	43.6	43.6	43.7	43.8	43.8	43.8	43.9	43.9	44.0	44.1	44.2	44.3	44.5	44.8	45.0	45.1	45.2	45.2	45.1	44.9	44.8	44.7	44.3
13	44.6	44.5	44.4	44.4	44.3	44.2	44.2	44.2	44.2	44.2	44.3	44.5	44.7	45.0	45.3	45.6	45.9	46.0	46.1	46.1	46.1	46.0	45.9	45.7	45.0
14	45.6	45.5	45.4	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.6	45.8	46.0	46.2	46.4	46.5	46.6	46.7	46.7	46.6	46.6	46.6	45.9
15	46.6	46.5	46.5	46.4	46.4	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.3	46.3	46.3	46.3	46.2	46.2	46.2	46.2	46.3	46.3
16	46.3	46.3	46.3	46.3	46.3	46.2	46.1	46.0	45.9	45.9	45.9	45.9	46.0	46.1	46.3	46.4	46.5	46.5	46.5	46.4	46.3	46.2	46.1	46.0	46.2
17	46.0	45.9	45.9	45.8	45.7	45.7	45.7	45.7	45.6	45.6	45.7	45.8	45.9	46.2	46.4	46.7	47.0	47.1	47.2	47.1	47.1	47.0	46.9	46.7	46.3
18	46.6	46.5	46.6	46.7	46.8	46.8	46.8	46.8	46.6	46.4	46.3	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.2	46.2	46.2	46.2	46.2	46.2	46.4
19	46.2	46.2	46.2	46.2	46.2	46.2	46.1	46.1	46.0	46.0	46.0	46.1	46.1	46.2	46.2	46.3	46.3	46.4	46.4	46.4	46.3	46.3	46.3	46.2	46.2
20	46.2	46.2	46.1	46.1	46.0	46.0	46.0	45.9	45.9	45.9	45.9	46.0	46.1	46.2	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.3
21	46.7	46.6	46.5	46.4	46.3	46.2	46.1	46.0	45.9	45.8	45.8	45.8	45.8	45.8	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.0	46.0	45.9	46.0
22	45.8	45.7	45.6	45.5	45.4	45.3	45.2	45.1	45.0	45.0	45.0	45.2	45.3	45.5	45.7	45.9	45.9	45.9	45.9	45.8	45.7	45.6	45.5	45.5	45.5
23	45.4	45.3	45.2	45.0	44.9	44.8	44.7	44.7	44.7	44.7	44.8	45.0	45.2	45.4	45.4	45.5	45.5	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.2
24	45.4	45.4	45.3	45.2	45.2	45.1	45.1	45.0	45.0	45.0	45.0	45.0	45.0	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.2
25	45.2	45.2	45.2	45.3	45.4	45.5	45.5	45.5	45.3	45.2	45.2	45.3	45.5	45.7	45.9	46.1	46.2	46.3	46.3	46.3	46.3	46.1	46.0	45.9	45.7
26	45.8	45.7	45.6	45.9	46.4	46.6	46.7	46.7	46.8	46.4	46.1	46.0	46.2	46.4		46.9	47.1	47.2	47.2	47.1	46.9	46.7	46.7	46.6	46.5
27	46.6	46.6	46.7	46.7	46.7	46.6	46.5	46.4	46.2	46.1	46.2	46.2	46.2	46.4	46.6	46.9	47.1	47.4	47.5	47.5	47.6	47.6	47.6	47.6	46.8
28	47.6	47.6	47.6	47.6	47.5	47.5	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.4	47.5	47.5	47.5	47.5	47.5	47.3	47.2	47.4
29	47.0	46.9	46.8	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.9	46.9	46.8	46.7	46.6	46.5	46.4	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.6
30	46.5	46.5	46.5	46.4	46.3	46.1	45.9	45.8	45.6	45.5	45.4	45.4	45.5	45.6	45.7	45.8	45.8	45.7	45.7	45.6	45.6	45.6	45.6	45.6	45.8
																						MONTHLY AVERAGE			44.0

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

May 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	45.6	45.6	45.6	45.6	45.5	45.5	45.4	45.4	45.3	45.2	45.2	45.1	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.3	45.3	45.3	45.3
2	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.4	45.4	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.5
3	45.6	45.6	45.6	45.6	45.6	45.5	45.5	45.5	45.6	45.6	45.7	45.8	46.0	46.2	46.3	46.5	46.6	46.6	46.7	46.8	46.9	46.9	46.9	46.8	46.1
4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	47.1	47.2	47.4	47.6	47.8	48.1	48.2	48.3	48.4	48.8	SYSTEM INOPERATIVE				47.3
5	SYSTEM INOPERATIVE							48.8	48.9	49.0	49.3	49.5	49.7	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.2	50.2	50.2	49.9
6	50.1	50.1	50.1	50.1	50.0	50.0	50.0	50.1	50.1	50.2	50.3	50.5	50.7	50.9	51.1	51.2	51.4	51.5	51.6	51.7	51.7	51.7	51.7	51.8	50.8
7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	52.0	52.1	52.2	52.4	52.6	52.8	53.0	53.3	53.4	53.5	53.6	53.5	53.5	53.4	53.4	52.5
8	53.4	53.3	53.3	53.4	53.4	53.5	53.6	53.7	53.9	54.0	54.0	54.1	54.2	54.4	54.6	54.8	55.0	55.2	55.3	55.4	55.4	55.3	55.2	55.1	54.3
9	55.0	54.9	54.8	54.8	54.8	54.9	55.0	55.1	55.2	55.2	55.3	55.5	55.8	56.1	56.4	56.8	57.0	57.2	57.4	57.5	57.5	57.4	57.3	57.2	56.0
10	57.1	57.0	56.9	56.7	56.6	56.3	55.8	55.4	55.2	55.1	55.2	55.6	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.2	56.3	56.3	56.1
11	56.4	56.4	56.3	56.3	56.2	56.2	56.2	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.4	56.5	56.5	56.5	56.4	56.3	56.3	56.3
12	56.2	56.1	56.1	56.0	56.0	56.0	55.9	55.9	56.0	56.0	56.1	56.3	56.5	56.8	57.0	57.2	57.4	57.5	57.4	57.3	57.1	57.0	56.9	56.9	56.6
13	56.9	56.8	56.7	56.7	56.6	56.6	56.5	56.5	56.5	56.6	56.7	56.9	57.2	57.6	57.8	58.1	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	57.4
14	58.6	58.6	58.6	58.5	58.4	58.3	58.2	58.1	58.0	58.0	58.1	58.1	58.2	58.5	58.8	59.1	59.3	59.5	59.6	59.7	59.6	59.6	59.5	59.5	58.8
15	59.6	59.5	59.5	59.4	59.4	59.3	59.2	59.2	59.3	59.4	59.6	59.9	60.1	60.3	60.5	60.7	60.8	60.8	60.7	60.6	60.5	60.4	60.3	60.2	60.0
16	60.1	60.0	59.9	59.9	59.9	60.0	60.2	60.3	60.2	60.2	60.2	60.3	60.6	60.9	61.1	61.3	61.4	61.4	61.3	61.3	61.2	61.1	61.0	60.9	60.6
17	60.9	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.5	61.4	61.3	61.3	61.5	61.7	61.9	62.1	62.2	62.1	62.1	61.9	61.8	61.7	61.6	61.5	61.5
18	61.5	61.5	61.5	61.4	61.2	61.1	61.0	61.0	60.9	60.8	60.9	61.1	61.2	61.4	61.6	61.7	61.8	61.8	61.8	61.7	61.6	61.5	61.3	61.2	61.4
19	61.0	60.9	60.9	60.9	60.9	61.0	61.1	61.3	61.2	61.1	61.1	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.2	61.1	61.0	60.9	60.7	60.6	61.1
20	60.5	60.5	60.5	60.5	60.6	60.6	60.7	60.7	60.4	59.9	59.9	60.3	60.5	60.6	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.8	60.6	60.6
21	60.5	60.5	60.5	60.5	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.0	61.0	60.9	60.9	60.8
22	60.8	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.5	61.4	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.4	61.4	61.4	61.4	61.3	61.2	61.3
23	61.2	61.1	61.2	61.4	61.6	61.8	61.9	62.0	62.0	61.9	61.9	62.0	62.2	62.4	62.6	62.8	62.9	63.0	63.0	62.9	62.8	62.6	62.5	62.4	62.2
24	62.5	62.5	62.7	62.8	63.0	63.1	63.3	63.4	63.6	63.7	63.9	64.1	64.1	64.1	64.2	64.2	64.3	64.3	64.3	64.2	64.2	64.2	64.3	64.3	63.7
25	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.3	64.1	63.8	63.6	63.4	63.3	63.3	63.2	63.2	63.2	63.2	63.1	63.1	63.0	62.9	62.8	63.7
26	62.6	62.5	62.4	62.2	62.2	62.1	62.0	61.8	61.7	61.6	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.4	61.4	61.4	61.7
27	61.4	61.3	61.2	61.2	61.1	61.0	61.0	60.9	60.8	60.8	60.8	60.9	61.0	61.0	61.2	61.3	61.5	61.6	61.8	61.8	61.9	61.8	61.7	61.6	61.3
28	61.5	61.3	61.2	61.1	61.0	61.0	60.9	60.9	60.9	61.0	61.2	61.4	61.7	62.1	62.4	62.5	62.7	62.9	63.1	63.2	63.2	63.2	63.2	63.2	62.0
29	63.1	63.1	63.0	62.9	62.9	62.9	63.1	63.2	63.3	63.3	63.4	63.5	63.7	63.9	64.2	64.4	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8	63.8
30	64.8	64.8	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.6	64.5	64.5	64.6	64.7	65.1	65.4	65.7	65.9	66.2	66.4	66.5	66.5	66.4	66.3	65.2
31	66.1	65.8	65.7	65.5	65.4	65.2	65.1	64.9	64.8	64.8	65.1	65.7	66.1	66.4	66.7	66.9	67.1	67.2	67.4	67.5	67.6	67.6	67.5	67.5	66.2
																						MONTHLY AVERAGE			57.9

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

June 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	67.4	67.3	67.3	67.2	67.0	66.9	66.8	66.6	66.5	66.6	66.7	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.3	67.6	67.8	67.8	67.7	67.6	67.1
2	67.4	67.1	66.9	66.5	66.3	66.1	66.0	65.8	65.2	64.9	65.1	65.5	65.8	66.0	66.2	66.3	66.4	66.6	66.7	66.7	66.6	66.4	66.3	66.2	66.2
3	66.1	66.0	65.9	65.7	65.5	65.4	65.2	65.0	64.9	64.8	65.0	65.3	65.5	65.6	65.7	65.8	65.9	65.9	66.1	66.1	66.1	66.1	65.9	65.6	65.6
4	65.4	65.2	65.1	65.0	64.9	64.7	64.5	64.4	64.2	64.0	63.8	63.9	64.1	64.2	64.2	64.2	64.2	64.2	64.1	64.0	64.0	64.0	64.0	63.9	64.3
5	63.8	63.5	63.3	63.0	62.8	62.6	62.4	62.3	62.2	62.1	62.1	62.5	63.0	63.3	63.6	63.9	64.2	64.4	64.6	64.6	64.6	64.5	64.5	64.3	63.4
6	64.0	63.7	63.4	63.4	63.3	63.1	63.0	62.8	62.7	62.6	62.8	63.1	63.2	63.4	63.7	64.0	64.2	64.4	64.5	64.6	64.7	64.7	64.6	64.4	63.7
7	64.2	64.0	63.8	63.6	63.5	63.4	63.3	63.3	63.2	63.3	63.7	64.0	64.3	64.6	65.0	65.3	65.6	65.7	65.6	65.6	65.6	65.6	65.5	65.5	64.5
8	65.3	65.2	65.0	64.8	64.6	64.4	64.2	64.0	63.9	63.9	64.0	64.2	64.5	64.9	65.1	65.3	65.5	65.6	65.6	65.5	65.4	65.4	65.4	65.3	64.9
9	65.3	65.3	65.3	65.3	65.2	65.2	65.1	65.0	65.0	64.9	64.9	65.0	65.0	64.9	65.0	65.1	65.2	65.3	65.4	65.5	65.4	65.4	65.2	65.1	65.2
10	64.9	64.7	64.5	64.4	64.3	64.2	64.1	64.0	64.1	64.3	64.4	64.5	64.5	64.9	65.5	65.9	66.3	66.4	66.5	66.5	66.6	66.6	66.5	66.5	65.2
11	66.4	66.4	66.2	66.1	65.9	65.7	65.5	65.3	65.2	65.2	65.3	65.5	65.8	66.1	66.3	66.5	66.7	66.7	66.5	66.4	66.3	66.2	66.1	66.1	66.0
12	66.1	66.0	66.0	65.9	65.8	65.7	65.6	65.6	65.6	65.7	65.9	66.3	66.7	66.9	67.1	67.4	67.6	67.6	67.4	67.1	66.8	66.7	67.3	68.0	66.5
13	68.5	68.8	68.9	68.8	68.5	68.3	68.0	67.8	67.5	67.3	67.3	67.6	68.1	68.6	69.0	69.2	69.3	69.5	69.5	69.5	69.5	69.6	69.5	69.3	68.7
14	69.0	68.6	68.2	67.9	67.7	67.6	67.4	67.3	67.2	67.3	67.5	67.8	68.3	68.8	69.1	69.3	69.6	69.9	70.1	70.2	70.0	69.9	69.9	69.8	68.7
15	69.7	69.5	69.3	69.1	68.9	68.7	68.6	68.5	68.6	68.6	68.7	69.0	69.4	69.7	70.0	70.3	70.7	71.0	71.2	71.4	71.5	71.5	71.5	71.4	69.9
16	71.3	71.1	71.0	70.9	70.8	70.7	70.7	70.7	70.7	70.8	70.9	71.1	71.2	71.6	72.0	72.3	72.5	72.6	72.7	72.7	72.8	72.8	72.7	72.7	71.7
17	72.7	72.6	72.6	72.6	72.6	72.5	72.5	72.4	72.4	72.3	72.2	72.0	72.0	71.9	71.9	71.8	71.9	71.9	72.0	72.0	72.0	72.0	71.9	71.8	72.2
18	71.7	71.6	71.6	71.5	71.5	71.4	71.4	71.4	71.3	71.3	71.4	71.6	71.9	72.1	72.4	72.6	72.9	73.0	73.1	73.0	72.9	72.7	72.5	72.3	72.0
19	72.1	72.0	71.8	71.7	71.5	71.4	71.4	71.3	71.3	71.4	71.6	71.9	72.1	72.4	72.6	73.0	73.3	73.4	73.2	73.0	72.8	72.5	72.6	72.8	72.2
20	73.0	73.2	73.2	73.1	73.1	73.0	72.9	72.8	72.8	72.7	72.8	72.9	72.9	73.1	73.4	73.6	74.0	74.4	74.8	75.1	75.2	75.3	75.3	75.2	73.7
21	75.0	74.7	74.4	74.2	74.2	74.0	73.9	73.8	73.8	73.9	74.1	74.3	74.9	75.5	76.1	76.6	76.9	77.2	77.4	77.6	77.6	77.6	77.5	77.3	75.5
22	77.2	77.0	76.8	76.6	76.4	76.2	76.0	75.9	75.9	75.9	75.9	75.9	75.7	75.7	75.8	75.9	76.0	76.0	76.0	76.0	76.0	75.9	75.8		76.1
23	75.8	75.5	75.3	75.3	75.2	75.1	75.0	75.0	75.0	75.1	75.2	75.4	75.5	75.7	75.9	76.1	76.2	76.4	76.4	76.4	76.2	76.4	75.9	75.7	75.7
24	75.5	75.3	75.1	74.9	74.8	74.6	74.5	74.4	74.3	74.4	74.6	74.6	74.8	75.0	75.2	75.5	75.7	75.8	75.8		75.8	75.7	75.7	75.6	75.1
25	75.5	75.4	75.3	75.1	74.9	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.2	74.3	74.3	74.4	74.3	SYSTEM INOPERATIVE						73.4	74.6
26	73.3	73.2	73.3	73.3	73.2	73.2	73.1	73.1	73.1	73.1	73.2	73.3	73.4	73.4	73.4	73.6	73.8	73.9	74.0	73.9	73.9	73.8	73.7	73.6	73.5
27	73.6	73.5	73.4	73.3	73.2	73.0	72.9	72.8	72.7	72.8	72.8	72.9	73.1	73.3	73.5	73.7	73.9	74.1	74.2	74.3	74.3	74.2	74.1	74.0	73.5
28	73.9	73.8	73.7	73.6	73.6	73.5	73.4	73.3	73.3	73.4	73.6	73.7	73.9	74.0	74.0	74.0	74.0	74.1	74.2	74.3	74.4	74.4	74.4	74.3	73.9
29	74.3	74.2	74.1	74.1	74.0	74.0	73.9	73.8	73.7	73.7	73.7	73.8	73.9	74.0	74.0	74.1	74.2	74.3	74.2	74.0	73.8	73.6	73.6	73.6	74.0
30	73.7	73.8	73.7	73.7	73.6	73.5	73.4	73.4	73.3	73.3	73.3	73.2	73.1	73.0	72.9	72.9	72.8	72.8	72.8	72.8	72.7	72.5	72.4	72.3	73.1
																						MONTHLY AVERAGE			69.8

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

July 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	72.1	72.0	71.9	71.8	71.7	71.6	71.5	71.4	71.4	71.4	71.4	71.3	71.3	71.4	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.7	71.6	71.7
2	71.6	71.4	71.3	71.2	71.1	70.9	70.8	70.7	70.6	70.6	70.4	70.3	70.2	70.1	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3	70.2	70.1	70.5
3	70.1	70.0	70.0	69.9	69.9	69.8	69.8	69.8	69.8	69.9	70.0	70.2	70.4	70.4	70.5	70.7	70.9	71.2	71.6	71.7	SYSTEM INOPERATIVE				70.3
4	71.2	71.1	71.1	71.1	70.9	70.8	70.8	70.7	70.6	70.7	70.8	70.9	71.1	71.3	71.6	71.7	71.7	71.7	71.6	71.6	71.6	71.7	71.7	71.7	71.2
5	71.7	71.7	71.6	71.5	71.5	71.4	71.3	71.2	71.1	71.2	71.3	71.5	71.7	71.9	71.9	71.9	71.9	71.8	71.8	71.8	71.7	71.8	71.8	71.6	71.6
6	71.5	71.3	71.2	71.1	70.9	70.8	70.7	70.6	70.7	70.8	71.1	71.4	71.5	SYSTEM INOPERATIVE								72.4	72.3		71.2
7	72.0	71.9	71.8	71.7	71.6	71.5	71.5	71.5	71.5	71.6	71.7	71.8	72.1	72.5	72.9	73.3	73.7	73.8	73.8	73.8	73.9	73.9	73.8	73.6	72.6
8	73.4	73.2	73.1	73.0	72.9	72.8	72.7	72.7	72.8	73.0	73.2	73.6	74.2	74.9	75.3	75.4	75.4	75.3	75.3	75.3	75.3	75.1	74.8	74.5	74.0
9	74.3	74.1	73.9	73.8	73.7	73.5	73.4	73.4		73.5	SYSTEM INOPERATIVE														73.8
10	SYSTEM INOPERATIVE																								
11	SYSTEM INOPERATIVE																								
12	SYSTEM INOPERATIVE												77.4	77.7	77.9	78.2	78.5	78.7	78.8	78.8	78.6	78.3	78.1	77.9	78.3
13	77.8	77.7	77.5	77.4	77.3	77.2	77.3	77.2	77.2	77.3	77.5	77.8	78.2	78.6	78.9	79.2	79.5	79.8	80.0	80.0	79.9	79.7	79.5	79.2	78.4
14	79.1	78.9	78.8	78.7	78.6	78.5	78.4	78.4	78.4	78.4	78.6	78.9	79.0	79.1	79.2	79.4	79.7	79.7	79.5	79.3	79.0	78.8	78.7	78.7	78.9
15	78.7	78.7	78.7	78.6	78.6	78.6	78.5	78.5	78.4	78.4	78.5	78.7	78.9	79.0	79.2	79.5	79.7	79.9	80.0	80.0	80.0	79.9	79.8	79.7	79.1
16	79.6	79.5	79.5	79.4	79.3	79.2	79.1	79.1	79.0	79.0	79.1	79.3	79.4	79.4	79.3	79.4	79.5	79.6	79.7	79.6	79.5	79.3	79.1	79.0	79.3
17	78.9	78.8	78.7	78.6	78.5	78.5	78.5	78.5	78.5	78.6	78.7	78.8	79.1	79.1	79.2	79.3	79.3	79.4	79.4	79.2	79.2	79.2	79.3	79.3	78.9
18	79.4	79.4	79.4	79.3	79.2	79.1	79.1	79.0	78.9	79.0	79.1	79.2	79.4	79.7	80.0	80.2	80.4	80.5	80.4	80.3	80.3	80.2	80.2	80.1	79.6
19	79.9	79.7	79.6	79.5	79.4	79.3	79.3	79.2	79.2	79.2	79.2	79.1	79.2	79.5	79.8	80.0	79.9	79.9	80.0	80.1	80.1	80.1	80.0	79.9	79.6
20	79.8	79.7	79.6	79.5	79.4	79.4	79.3	79.2	79.1	79.1	79.2	79.2	79.2	79.4	79.6	79.8	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.5	79.8
21	80.5	80.4	80.4	80.2	80.1	79.9	79.8	79.7	79.6	79.5	79.4	79.3	79.3	79.2	79.2	79.0	78.8	78.7	78.5	78.4	78.3	78.2	78.1	78.0	79.3
22	77.9	77.8	77.7	77.6	77.5	77.3	77.2	77.0	76.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.7	76.6	76.4	76.2	76.0	75.9	75.8	76.9
23	75.7	75.7	75.6	75.5	75.3	75.1	75.0	74.8	74.7	74.6	74.6	74.7	74.8	75.0	75.2	75.2	75.3	75.3	75.3	75.3	75.2	75.1	75.0	75.0	75.1
24	74.9	74.9	74.9	74.8	74.8	74.8	74.7	74.7	74.6	74.5	74.5	74.5	74.5	74.5	74.7	74.8	74.8	74.8	74.9	75.0	74.9	74.8	74.7	74.7	74.7
25	74.7	74.7	74.6	74.6	74.5	74.5	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.7	74.8	75.0	75.1	75.2	75.3	75.3	75.4	75.4	75.4	74.8
26	75.4	75.4	75.3	75.2	75.1	75.0	74.9	74.8	74.7	74.6	74.6	74.6	74.7	74.8	74.8	74.7	74.5	74.4	74.3	74.3	74.2	74.2	74.2	74.2	74.7
27	74.1	74.1	74.0	74.0	73.9	73.9	73.8	73.8	73.7	73.8	73.8	74.0	74.2	74.3	74.5	74.6	74.7	74.9	75.0	75.1	75.1	75.1	74.9	74.7	74.3
28	74.6	74.4	74.3	74.2	74.1	74.1	74.1	74.1	74.1	74.2	74.3	74.5	74.8	75.0	75.0	74.9	74.9	74.9	74.8	74.8	74.7	74.6	74.4	74.4	74.5
29	74.4	74.3	74.3	74.3	74.2	74.2	74.1	74.1	74.0	74.0	74.1	74.2	74.4	74.6	74.9	75.2	75.4	75.6	75.7	75.8	75.9	75.9	75.8	75.7	74.8
30	75.6	75.5	75.4	75.3	75.2	75.1	75.1	75.0	75.1	75.2	75.5	75.7	76.1	76.4	76.6	76.7	76.7	76.5	76.4	76.4	76.5	76.8	77.0	77.0	75.9
31	77.0	77.0	76.9	76.7	76.5	76.3	76.1	76.0	75.9	75.9	75.9	76.0	76.1	76.4	76.8	77.1	77.2	77.2	77.1	76.9	76.7	76.6	76.5	76.5	76.6
																						MONTHLY AVERAGE			75.6

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

August 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	76.5	76.4	76.4	76.3	76.2	76.1	76.1	76.0	76.0	76.1	76.2	76.5	77.0	77.4	77.6	77.7	78.0	78.2	78.4	78.4	78.3	78.2	78.1	78.0	77.1
2	77.9	77.7	77.5	77.3	77.2	77.1	77.1	77.1	77.1	77.2	77.3	77.7	78.0	78.1	78.2	78.3	78.4	78.5	78.5	78.4	78.4	78.5	78.6	78.6	77.9
3	78.6	78.6	78.6	78.5	78.5	78.5	78.4	78.4	78.4	78.5	78.6	78.8	79.1	79.4	79.5	79.5	79.6	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.1
4	79.9	79.9	79.8	79.6	79.5	79.4	79.3	79.3	79.3	79.3	79.5	79.7	80.0	80.2	80.5	80.7	81.0	81.2	81.2	81.2	81.2	81.1	81.1	81.1	80.2
5	81.1	81.0	81.0	80.9	80.9	80.9	80.8	80.8	80.8	80.8	81.0	81.2	81.2	81.3	81.5	81.6	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	81.4
6	82.0	81.9	81.9	81.8	81.7	81.6	81.5	81.5	81.4	81.4	81.6	81.7	81.9	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.2	82.2	82.1	81.9
7	82.0	81.9	81.9	81.8	81.8	81.8	81.7	81.7	81.6	81.7	81.8	81.9	82.1	82.2	82.4	82.7	82.9	83.0	82.9	82.7	82.7	82.8	83.0	83.1	82.3
8	83.1	83.1	83.0	82.9	82.8	82.6	82.5	82.4	82.3	82.4	82.5	82.6	82.6	82.7	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.0	83.0	82.9	82.8
9	82.8	82.7	82.6	82.5	82.4	82.3	82.3	82.2	82.2	82.1	82.3	82.2	82.2	82.4	82.5	82.7	82.8	82.9	83.0	83.0	83.0	82.9	82.9	82.8	82.6
10	82.7	82.6	82.5	82.5	82.4	82.4	82.3	82.3	82.3	82.3	82.4	82.5	82.6	82.8	82.9	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.3	83.3	82.8
11	83.2	83.2	83.1	83.1	83.0	82.9	82.9	82.8	82.8	82.8	82.9	82.9	82.9	83.0	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.1
12	83.2	83.2	83.1	83.0	83.0	82.9	82.9	82.8	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.3	83.5	83.8	84.0	83.9	83.9	83.9	83.9	83.8	83.3
13	83.7	83.6	83.5	83.5	83.4	83.3	83.2	83.2	83.1	83.1	83.1	83.2	83.3	83.4	83.5	83.5	83.7	83.8	83.9	84.0	84.0	84.1	84.1	84.1	83.6
14	84.0	84.0	84.0	83.9	83.9	83.8	83.7	83.7	83.6	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.1	83.9	83.9	84.0	84.0
15	83.9	83.8	83.8	83.7	83.6	83.6	83.5	83.4	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.8	84.0	84.1	84.0	83.9	83.8	83.7	83.6	83.5	83.7
16	83.4	83.3	83.2	83.1	83.0	82.9	82.8	82.6	82.5	82.5	82.5	82.3	82.2	82.1	82.0	82.1	82.2	82.3	82.3	82.3	82.3	82.2	82.1	82.0	82.5
17	81.9	81.8	81.7	81.6	81.5	81.4	81.3	81.2	81.1	81.1	81.2	81.2	81.3	81.3	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.4	81.4	81.3	81.4
18	81.3	81.2	81.1	81.1	81.0	80.9	80.8	80.6	80.5	80.4	80.4	80.3		80.2	80.2	80.2	80.3	80.3	80.2	80.1	79.9	79.7			80.5
19	79.3	79.1	79.0	78.8	78.7	78.6	78.4	78.2	78.1	78.1	78.2	78.4	78.5		78.9	79.0	79.2	79.3	79.4	79.4	79.3	79.1	78.9	78.7	78.8
20	78.5	78.4	78.2	78.1	78.0	77.9	77.8	77.8	77.7	77.7	77.9	78.0	78.2	78.4	78.6	78.7	78.8	78.9	78.8	78.6	78.2	78.0	78.0	77.9	78.2
21	77.8	77.8	77.7	77.6	77.5	77.5	77.4	77.3	77.2	77.2	77.3	77.5	77.7	77.8	77.8	77.9	78.0	78.0	77.9	77.7	77.5	77.3	77.2	77.1	77.6
22	76.9	76.8	76.6	76.5	76.3	76.1	76.0	75.8	75.8	75.8	75.9	76.2	76.2	76.1	76.0	76.0	76.0	76.0	76.1	76.0	75.9	75.8	75.7	75.6	76.1
23	75.5	75.4	75.4	75.3	75.2	75.1	74.9	74.9	74.8	74.8	74.8	74.8	74.9	75.0	75.2	75.2	75.3	75.3	75.2	75.2	75.1	75.1	75.0	74.9	75.1
24	74.8	74.8	74.7	74.6	74.5	74.4	74.3	74.2	74.1	74.0	73.9	73.7	73.6	73.6	73.5	73.5	73.4	73.4	73.3	73.2	73.1	73.0	72.9	72.8	73.8
25	72.7	72.7	72.6	72.5	72.4	72.3	72.2	72.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.2	72.2	72.2	72.2
26	72.1	72.1	72.1	72.0	72.0	72.0	71.9	71.9	71.9	71.9	71.9	71.9	71.8	71.8	71.8	71.8	71.9	72.0	72.1	72.1	72.0	72.0	71.9	71.8	71.9
27	71.7	71.6	71.6	71.5	71.4	71.4	71.4	71.3	71.3	71.2	71.2	71.2	71.3	71.5	71.7	71.9	72.0	72.0	71.9	71.8	71.6	71.4	71.3	71.2	71.5
28	71.1	71.1	71.0	70.9	70.9	70.8	70.7	70.7	70.7	70.7	70.8	71.0	71.3	71.5	71.7	71.9	72.0	72.0	71.8	71.6	71.5	71.4	71.4	71.4	71.2
29	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.8	71.7	71.7	71.7	71.6	71.5	71.4	71.3	71.1	71.0	71.6
30	71.0	71.0	71.0	71.0	70.9	70.7	70.6	70.5	70.4	70.4	70.3	70.4	70.5	70.6	70.8	70.9	70.9	70.8	70.6	70.4	70.2	70.1	70.0	69.9	70.6
31	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.8	70.7	70.5	70.3	70.1	69.9	69.7	69.5	69.4	69.2	70.2
																						MONTHLY AVERAGE			78.3

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

September 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	69.1	69.0	68.9	68.8	68.7	68.6	68.5	68.4	68.3	68.3	68.3	68.5	68.7	68.9	69.1	69.2	69.4	69.5	69.5	69.5	69.4	69.2	69.1	69.1	68.9
2	69.0	68.9	68.8	68.8	68.7	68.7	68.6	68.5	68.5	68.5	68.5	68.5	68.7	68.9	69.1	69.2	69.3	69.4	69.4	69.4	69.3	69.3	69.2	69.2	68.9
3	69.2	69.1	69.1	69.0	69.0	68.9	68.8	68.8	68.7	68.6	68.5	68.6	68.7	68.8	69.0	69.1	69.1	69.1	69.0	68.9	68.8	68.7	68.5	68.4	68.8
4	68.3	68.3	68.3	68.3	68.3	68.2	68.2	68.2	68.2	68.2	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.3
5	68.3	68.3	68.2	68.1	68.1	68.0	67.9	67.9	67.9	67.9	67.9	68.1	68.2	68.3	68.5	68.6	68.7	68.7	68.8	68.7	68.6	68.4	68.2	68.0	68.3
6	67.9	67.7	67.6	67.5	67.4	67.3	67.2	67.1	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.7	67.8	67.8	67.8	67.8	67.7	67.6	67.5	67.4	67.5
7	67.4	67.2	67.1	67.0	66.9	66.8	66.7	66.6	66.5	66.4	66.3	66.4	66.6	66.9	67.1	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.4	67.4	67.0
8	67.4	67.3	67.2	67.1	67.1	67.0	67.0	66.9	66.9	66.8	66.8	66.7	66.7	66.8	66.9	67.0	67.2	67.2	67.2	67.1	67.0	66.9	66.9	66.8	67.0
9	66.8	66.7	66.6	66.6	66.5	66.4	66.3	66.3	66.2	66.2	66.2	66.3	66.4	66.5	66.7	66.8	66.9	66.9	66.9	66.8	66.7	66.7	66.7	66.7	66.6
10	66.8	66.8	66.8	66.8	66.8	66.7	66.7	66.6	66.6	66.6	66.6	66.8	66.9	67.1	67.2	67.4	67.7	67.8	67.8	67.8	67.6	67.6	67.5	67.4	67.1
11	67.3	67.3	67.2	67.1	67.1	67.0	66.9	66.8	66.8	66.8	66.8	66.9	67.1	67.2	67.2	67.2	67.3	67.3	67.3	67.2	67.1	67.1	67.1	67.0	67.1
12	67.0	66.9	66.7	66.6	66.6	66.5	66.4	66.4	66.3	66.3	66.4	66.5	66.7	66.8	67.0	67.1	67.3	67.3	67.3	67.2	67.2	67.1	66.9	66.8	66.8
13	66.6	66.5	66.4	66.3	66.3	66.3	66.2	66.2	66.2	66.3	66.3	66.3	66.4	66.4	66.5	66.5	66.6	66.7	66.7	66.7	66.6	66.5	66.4	66.4	66.4
14	66.3	66.3	66.3	66.2	66.2	66.1	66.0	66.0	65.9	65.9	66.1	66.2	66.3	66.4	66.5	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.8	66.8	66.4
15	66.8	66.7	66.7	66.6	66.5	66.4	66.3	66.2	66.1	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.1	66.0	65.9	66.2
16	65.8	65.8	65.7	65.5	65.4	65.3	65.2	65.1	65.1	65.0	64.9	64.9	65.0	65.2	65.4	65.6	65.8	65.9	66.0	66.1	66.1	66.0	65.9	65.8	65.5
17	65.7	65.6	65.5	65.5	65.4	65.4	65.4	65.3	65.3	65.3	65.3	65.4	65.5	65.6	65.6		65.5	65.4	65.3	65.2	65.2	65.2	65.2	65.2	65.4
18	65.2	65.1	65.1	65.0	65.0	65.0	65.0	65.0	65.0	64.9	65.0	65.1	65.2	65.3	65.4	65.6	65.8	65.8	65.8	66.0	66.2	66.3	66.3	66.3	65.4
19	66.3	66.2	66.1	66.1	66.0	66.0	65.9	65.9	65.8	65.8	65.8	65.8	65.7	65.8	65.9	66.1	66.5	67.1	67.5	67.7	67.7	67.7	67.6	67.5	66.4
20	67.4	67.4	67.4	67.4	67.3	67.1	66.9	66.7	66.4	66.2	66.2	66.3	66.7	67.0	67.0	67.1	67.1	66.9	66.6	66.4	66.3	66.2	66.2	66.2	66.8
21	66.2	66.2	66.2	66.1	66.1	66.1	66.0	66.0	66.0	65.9	65.9	66.0	66.1	66.1	66.2	66.3	66.4	66.4	66.4	66.3	66.3	66.3	66.3	66.3	66.2
22	66.3	66.2	66.2	66.1	66.1	66.0	65.9	65.9	65.8	65.7	65.6	65.6	65.7	65.8	66.0	66.2	66.3	66.5	66.5	66.4	66.4	66.3	66.2	66.2	66.1
23	66.2	66.1	66.0	66.0	65.9	65.9	65.8	65.8	65.7	65.6	65.5	65.5	65.5	65.4	65.4	65.4	65.4	65.4	65.3	65.3	65.2	65.2	65.1	65.1	65.6
24	65.1	65.1	65.0	65.0	64.9	64.9	64.8	64.7	64.7	64.6	64.7	64.8	64.9	65.0	65.1	65.3	65.4	65.5	65.5	65.5	65.4	65.4	65.3	65.3	65.1
25	65.2	65.2	65.1	65.1	65.0	64.9	64.8	64.8	64.7	64.7	64.7	64.8	64.9	65.1	65.2	65.3	65.4	65.4	65.4	65.3	65.2	65.2	65.1	65.1	65.1
26	65.0	65.0	64.9	64.8	64.8	64.7	64.7	64.7	64.6	64.7	64.7	64.7	64.8	64.9	65.1	65.2	65.4	65.5	65.6	65.6	65.6	65.6	65.5	65.5	65.1
27	65.4	65.3	65.2	65.1	65.1	65.0	64.9	64.9	64.8	64.8	64.9	65.0	65.0	65.1	65.2	65.2	65.2	65.2	65.1	65.0	64.9	64.9	64.9	64.8	65.0
28	64.8	64.7	64.7	64.6	64.6	64.5	64.4	64.4	64.3	64.3	64.4	64.5	64.7	64.8	64.9	65.0	65.0	64.9	64.8	64.7	64.6	64.5	64.5	64.4	64.6
29	64.3	64.2	64.1	64.0	63.9	63.8	63.7	63.7	63.6	63.5	63.6	63.6	63.7	63.8	63.8	63.9	64.0	64.0	64.0	64.0	63.9	63.9	63.8	63.8	63.9
30	63.7	63.6	63.5	63.4	63.3	63.3	63.2	63.2	63.1	63.1	63.1	63.1	63.1	63.2	63.4	63.5	63.6	63.5	63.5	63.5	63.5	63.5	63.4	63.4	63.4
																						MONTHLY AVERAGE			66.4

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

October 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	63.4	63.4	63.3		63.2	63.2	63.2	63.1	63.2	63.2	63.2	63.3	63.4	63.5	63.7	63.8	63.8	63.8	63.7	63.6	63.5	63.5	63.5	63.6	63.4
2	63.6	63.5	63.5	63.5	63.4	63.4	63.4	63.3	63.3	63.2	63.2	63.3	63.5	63.7	63.9	64.1	64.2	64.2	64.1	64.2	63.9	64.0	64.0	64.1	63.7
3	64.1	64.1	64.0	64.0	63.9	63.8	63.7	63.7	63.6	63.5	63.5	63.5	63.5	63.6	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	63.9	63.8
4	63.8	63.7	63.7	63.6	63.5	63.4	63.3	63.3	63.2	63.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.9	62.9	62.9	62.8	62.8	62.7	62.6	63.1
5	62.6	62.5	62.4	62.4	62.3	62.2	62.2	62.1	62.1	62.0	62.0	62.0	62.1	62.2	62.3	62.4	62.4	62.4	62.3	62.2	62.2	62.2	62.1	62.1	62.2
6	62.0	61.9	61.9	61.8	61.7	61.6	61.5	61.5	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.4	61.4	61.3	61.3	61.3	61.3	61.5
7	61.2	61.1	61.0	60.9	60.8	60.7	60.6	60.5	60.4	60.4	60.4	60.3	60.3	60.2	60.2	60.2	60.2	60.3	60.3	60.2	60.1	60.1	60.1	60.1	60.4
8	60.0	60.0	60.0	59.9	59.8	59.8	59.7	59.6	59.5	59.4	59.2	59.0	58.9	58.9	58.9	58.9	58.9	58.8	58.7	58.7	58.6	58.6	58.6	58.5	59.2
9	58.5	58.4	58.4	58.3	58.2	58.1	58.0	57.9	57.9	57.8	57.8	57.8	57.9	58.0	58.1	58.1	58.1	58.1	58.0	57.7	57.6	57.6	57.6	57.6	58.0
10	57.6	57.6	57.5	57.5	57.5	57.5	57.4	57.4	57.4	57.3	57.3	57.4	57.6	57.7	57.9	57.9	57.9	57.9	57.8	57.7	57.6	57.5	57.5	57.5	57.6
11	57.4	57.4	57.4	57.4	57.3	57.3	57.2	57.2	57.1	57.1	57.1	57.1	57.2	57.2	57.4	57.5	57.5	57.5	57.4	57.3	57.2	57.2	57.2	57.1	57.3
12	57.1	57.0	57.0	56.9	56.8	56.8	56.7	56.6	56.6	56.5	56.5	56.5	56.5	56.5	56.5	56.4	56.3	56.2	56.2	56.1	56.0	56.0	55.9	55.9	56.5
13	55.9	55.8	55.8	55.7	55.6	55.5	55.5	55.4	55.4	55.3	55.3	55.3	55.3	55.2	55.1	55.1	55.1	55.1	55.1	55.0	54.9	54.9	54.9	54.8	55.3
14	54.8	54.7	54.7	54.6	54.5	54.4	54.3	54.3	54.2	54.2	54.1	54.0	54.0	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.1	54.1	54.0	54.0	54.2
15	54.0	53.9	53.9	53.8	53.8	53.8	54.0	54.5	55.1	55.6	56.0	56.5	57.2	57.8	58.2	58.4	58.5	58.6	58.6	58.6	58.5	58.5	58.5	58.5	56.4
16	58.6	58.7	58.8	58.9	59.0	59.1	59.2	59.3	59.3	59.4	59.5	59.6	59.8	60.0	60.2	60.3	60.5	60.6	60.7	60.8	60.7	60.7	60.7	60.8	59.8
17	60.7	60.5	60.5	60.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.2	59.8	59.1	58.4	58.1	57.9	57.8	57.6	57.5	57.6	57.6	57.7	59.3
18	57.7	57.8	57.9	58.0	58.0	58.1	58.2	58.3	58.5	58.6	58.7	58.8	58.9	58.6	58.4	58.3	58.1	57.9	57.6	57.5	57.4	57.3	57.2	57.1	58.0
19	56.8	56.7	56.6	56.7	56.8	56.9	57.0	57.1	57.3	57.7	58.1	58.0	57.0	56.0	55.3	55.0	55.0	55.1	55.3	55.7	55.7	55.4	55.2	55.0	56.3
20	55.0	54.9	54.8	54.9	55.1	55.2	55.4	55.6	55.8	56.0	56.5	57.1	57.0	56.4	55.6	55.1	54.9	54.8	54.7	55.0	55.3	55.2	55.2	55.1	55.4
21	55.1	54.9	54.7	54.7	54.7	54.8	54.9	55.1	55.3	55.9	56.3	55.9	55.1	54.3	53.7	53.5	53.4	53.4	53.4	53.3	53.2	53.2	53.1	53.1	54.4
22	53.2	53.3	53.5	53.7	53.9	54.1	54.3	54.5	54.7	55.0	55.7	55.9	55.2	54.0	53.2	52.8	52.6	52.5	52.5	52.4	52.4	52.3	52.2		53.7
23	51.9	51.9	51.9	51.9	51.8	51.9	52.1	52.4	52.7	53.2	53.7	53.4	52.8	52.2	51.9	51.6	51.5	51.3	51.2	51.0	51.0	50.9	50.9	50.9	51.9
24	50.9	50.9	51.0	51.3	51.7	52.0	52.3	52.5	53.0	53.4	53.0	52.1	51.3	51.0	50.9	51.0	51.1	51.2	51.2	51.1	51.1	51.0	51.1	51.4	51.6
25	51.5	51.6	51.6	51.6	51.6	51.7	51.9	52.2	52.6	52.7	52.2	51.2	50.4	50.0	50.0	50.1	50.1	50.0	50.0	50.1	50.1	50.0	49.8	49.6	51.0
26	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.2	50.6	51.2	51.1	50.4	49.6	49.2	49.0	49.1	49.1	49.0	49.0	48.9	48.8	48.7	48.7	48.7	49.6
27	48.7	48.8	48.9	49.1	49.2	49.3	49.6	49.9	50.5	50.9	50.5	49.7	49.2	49.1	49.1	49.1	49.2	49.4	49.8	49.9	49.7	49.4	49.2	49.1	49.5
28	49.1	49.0	49.0	49.2	49.4	49.7	50.0	50.4	51.0	51.3	50.8	49.9	49.2	49.0	49.0	49.1	49.2	49.4	49.7	49.7	49.3	49.1	49.1	49.0	49.6
29	48.9	48.9	49.0	49.3	49.7	50.0	50.4	50.7	50.9	51.2	51.8	51.8	50.9	50.0	49.5	49.3	49.3	49.2	49.0	49.0	49.0	49.1	49.4	49.5	49.8
30	49.7	49.9	50.0	50.1	50.3	50.5	50.6	50.8	50.8	50.9	51.1	51.2	51.4	51.6	51.8	51.9	52.0	52.0	52.1	52.3	52.8	53.2	53.2	53.1	51.4
31	52.9	52.4	52.0	51.8	51.6	51.5	51.4	51.3	51.3	51.3	51.5	51.2	50.8	50.1	49.7	49.5	49.3	49.1	49.1	49.1	49.2	49.2	49.1	49.1	50.6
																						MONTHLY AVERAGE			56.3

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

November 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	48.9	48.8	48.8	48.9	49.1	49.4	49.6	49.8	50.4	50.9	51.0	50.6	49.6	48.6	47.7	47.1	46.8	46.7	46.6	46.6	46.6	46.6	46.5	46.3	48.4
2	46.3	46.2	46.2	46.4	46.4	46.4	46.2	46.0	45.9	45.8	45.8	45.7	45.7	45.7	45.7	45.6	45.3	45.0	44.7	44.6	44.5	44.6	44.7	44.8	45.6
3	44.9	44.9	44.8	44.6	44.5	44.4	44.4	44.3	44.3	44.3	44.4	44.4	44.5	44.6	44.6	44.6	44.5	44.5	44.5	44.4	44.3	44.2	44.0	43.9	44.5
4	43.9	43.8	43.7	43.7	43.7	43.6	43.5	43.5	43.4	43.4	43.4	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.8	43.9	43.9	44.0	44.0	44.1	43.7
5	44.1	44.2	44.3	44.5	44.5	44.6	44.6	44.8	45.0	45.2	45.3	45.1	44.9	44.8	44.8	44.8	44.8	44.8	44.8	44.7	44.7	44.6	44.6	44.5	44.7
6	44.5	44.5	44.6	44.6	44.7	44.8	45.0	45.1	45.2	45.3	45.4	45.5	45.7	45.8	45.9	45.9	45.9	45.8	45.8	45.8	45.8	45.7	45.7	45.7	45.4
7	45.8	45.8	45.8	45.8	45.8	45.7	45.7	45.7	45.8	45.9	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.2	46.0
8	46.2	46.2	46.2	46.2	46.1	46.0	46.0	45.9	45.8	45.8	45.9	46.0	46.1	46.2	46.2	46.2	46.2	46.1	46.1	46.0	45.9	45.9	45.9	45.9	46.0
9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.7	45.7	45.7	45.7	45.8	46.0	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.2	46.0
10	46.2	46.1	46.0	46.0	46.0	45.9	45.8	45.8	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.6	45.6	45.6	45.5	45.5	45.4	45.8
11	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.6	46.0	46.4	46.4	46.0	45.9	45.8	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	45.9
12	46.1	46.1	46.1	46.2	46.5	46.8	47.0	47.0	46.9	46.6	46.3	46.3	46.4	46.5	46.6	46.6	46.7	46.6	46.6	46.4	46.3	46.2			46.5
13	46.0	46.0	45.9	45.9	45.9	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.2	46.0	45.9	45.8	45.9	46.0	45.9	45.6	45.5	45.3	45.2	45.1	45.9
14	45.0	45.0	44.9	45.1	45.2	45.3	45.2	45.2	45.1	45.0	44.9	45.0	45.0	45.1	45.2	45.1	45.0	44.9	44.7	44.5	44.4	44.3	44.3	44.3	44.9
15	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.2	44.2	44.2	44.2	44.3	44.4	44.5	44.5	44.4	44.3	44.3	44.2	44.1	44.1	44.0	44.3
16	44.0	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.8	43.8	43.7	43.7	43.7	43.6	43.6	43.6	43.6	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.7
17	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.7	43.7	43.8	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8
18	43.8	43.8	43.8	44.0	44.3	44.5	44.6	44.8	44.6	44.2	44.0	44.0	44.0	44.1	44.2	44.2	44.2	44.1	44.1	44.0	43.9	43.8	43.6	43.6	44.1
19	43.5	43.5	43.5	43.6	43.8	44.0	44.0	44.0	44.0	43.8	43.6	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.3	43.1	43.0	42.9	42.8	42.7	43.4
20	42.7	42.7	42.6	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.8	42.6
21	42.7	42.6	42.4	42.3	42.2	42.0	41.9	41.9	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.7	41.6	41.5	41.4	41.3	41.2	41.2	41.8
22	41.2	41.1	41.1	41.0	41.0	41.0	41.0	40.9	40.9	40.9	40.9	41.0	41.1	41.3	41.4	41.5	41.5	41.5	41.4	41.4	41.3	41.2	41.2	41.1	41.2
23	40.9	40.8	40.7	40.5	40.4	40.2	40.0	39.9	39.8	39.8	39.7	39.7	39.7	39.8	39.8	39.7	39.6	39.6	39.5	39.5	39.4	39.4	39.4	39.5	39.9
24	39.5	39.5	39.5	39.4	39.4	39.3	39.2	39.2	39.1	39.1	39.1	39.2	39.3	39.4	39.5	39.5	39.4	39.4	39.3	39.2	39.1	39.1	39.1	39.1	39.3
25	39.0	39.0	38.9	38.9	38.8	38.8	38.7	38.6	38.6	38.7	38.8	38.8	38.9	39.0	39.1	39.2	39.2	39.2	39.1	39.1	39.0	38.9	38.9	38.8	38.9
26	38.7	38.7	38.6	38.6	38.5	38.5	38.4	38.4	38.4	38.4	38.5	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.6	38.6	38.5	38.4	38.4	38.5	38.6
27	38.3	38.5	38.7	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.8	38.8	38.8	38.8	38.7	38.8	38.8	38.8	38.9	38.9	38.8
28	38.9	38.9	39.1	39.3	39.7	40.0	40.2	40.5	40.3	39.9	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.5	39.5	39.5	39.4	39.3	39.2	39.1	39.6
29	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.0	39.0	39.0	39.0	39.1	39.2	39.2	39.3	39.4	39.4	39.4	39.4	39.3	39.3	39.3	39.3	39.2
30	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.3	39.4	39.4	39.5	39.5	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.6	39.5
																							MONTHLY AVERAGE		43.2

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Station 3

December 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	39.6	39.6	39.6	39.5	39.5	39.5	39.5	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.6	39.6	39.6	39.5	39.5	39.4	39.4	39.4	39.3	39.5
2	39.3	39.2	39.2	39.1	39.1	39.1	39.0	39.0	38.9	38.9	38.9	39.0	39.0	38.9	39.0	39.0	39.0	39.0	38.9	38.9	38.9	38.8	38.8	38.8	39.0
3	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.7	38.7	38.7	38.7	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.1	39.0	39.0	39.0	39.0	38.9
4	39.0	39.0	39.1	39.1	39.0	39.0	39.0	39.0	38.9	38.9	38.9	38.8	38.8	38.9	38.8	38.8	38.7	38.7	38.7	38.6	38.6	38.5	38.5	38.5	38.8
5	38.6	38.5	38.6	38.7	38.9	38.9	38.9	38.8	38.5	38.3	38.2	38.1	38.1	38.1	38.1	38.1	38.1	38.0	37.9	37.8	37.7	37.6	37.5	37.4	38.2
6	37.3	37.5	37.8	38.0	38.2	38.3	38.4	38.4	38.0	37.6	37.4	37.4	37.4	37.4	37.4	37.4	37.3	37.3	37.2	37.1	37.0	36.9	36.8	36.8	37.5
7	36.8	36.9	37.1	37.2	37.1	37.1	37.3	37.9	39.1	39.1	38.3	37.6	37.3	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.2	37.2	37.1	37.1	37.4
8	37.2	37.4	37.5	37.4	37.4	37.7	38.1	39.0	39.7	39.2	38.2	37.5	37.2	37.3	37.2	37.1	37.0	36.9	36.8	36.7	36.6	36.6	36.5	36.4	37.4
9	36.3	36.2	36.2	36.4	36.6	37.0	37.2	37.4	37.4	37.6	37.3	36.6	36.2	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.0	35.9	35.8	36.5
10	35.8	35.8	35.8	35.7	35.6	35.5	35.6	35.9	36.4	37.7	38.3	37.9	37.1	36.5	36.1	35.9	35.8	35.8	35.7	35.7	35.6	35.6	35.5	35.4	36.1
11	35.3	35.3	35.4	35.3	35.1	35.1	34.9	35.0	35.3	35.6	36.0	37.2	37.5	36.8	36.3	36.0	35.7	35.4	35.1	35.4	36.2	36.6	36.6	36.4	35.8
12	36.1	35.9	35.5	35.2	35.1	35.4	35.6	36.0	36.9	37.4	36.9	37.7	38.2	37.9	37.7	37.3	37.1	37.1	36.8	36.6	36.5	36.0	35.9	35.2	36.5
13	35.0	34.8	34.8	34.7	34.7	34.8	35.6	36.1	37.6	39.3	39.4	38.5	37.6	37.3	37.0	37.0	37.5	37.1	37.7	37.2	36.4	36.0	35.8	36.0	36.6
14	35.8	35.8	35.7	36.0		36.4	36.7	37.4	38.2	38.8	39.2	39.4	39.5	39.4	39.4	39.1	38.7	38.9	38.5	37.7	37.0	36.4	35.8	35.7	37.6
15	35.5	35.6	35.9	35.7	35.9	36.0	36.2	36.4	36.9	38.0	38.7	39.1	39.3	39.3	39.2	38.9	38.3	38.4	38.2	37.2	36.4	35.9	35.5	35.2	37.2
16	35.0	34.7	34.6	34.5	34.5	34.5	34.7	35.4	36.6	37.1	36.6	36.2	35.9	35.7	35.6	35.9	36.5	36.5	36.0	35.4	35.1	34.8	34.4	34.2	35.4
17	34.2	34.1	34.0	33.9	33.9	34.0	34.1	34.4	34.7	35.0	35.8	36.9	37.4	37.3	37.1	36.8	36.4	36.3	36.5	36.0	35.5	35.0	34.8	34.6	35.4
18	34.4	34.3	34.3	34.3	34.4	34.6	34.8	35.0	35.3	35.7	36.1	36.5	36.9	37.4	37.8	38.1	38.4	38.8	39.4	39.1	38.1	37.0	36.2	35.6	36.4
19	35.3	35.2	35.1	35.1	35.0	35.0	35.1	35.3	36.0	37.0	37.2	36.8	36.2	35.8	35.6	35.6	35.6	35.7	36.2	36.3	35.7	35.2	34.8	34.6	35.6
20	34.4	34.3	34.3	34.2	34.2	34.3	34.5	34.9	35.8	37.0	37.5	37.3	36.7	36.2	35.8	35.6	35.5	35.5	35.7	36.5	36.6	36.4	36.1	36.0	35.6
21	35.8	35.7	35.5	35.5	35.7	36.0	36.4	36.7	37.5	38.2	38.2	37.6	36.5	35.8	35.3	35.0		35.4	35.3	34.9	34.6	34.3	34.2	34.1	35.9
22	34.0	33.9	33.9	33.8	33.8	34.0	34.2	34.7	35.6	36.5	36.7	36.2	35.6	35.1	34.8	34.6	34.4	34.3	34.3	34.1	33.9	33.9	33.8	33.7	34.6
23	33.7	33.6	33.5	33.4	33.5	33.7	34.0	34.4	35.2	36.3	36.8	36.4	35.7	35.1	34.7	34.5	34.4	34.5	34.8	35.1	35.2	35.1	34.9	34.7	34.7
24	34.7	34.9	35.0	35.1	35.2	35.4	35.5	35.7	36.0	36.6	37.3	37.4	36.9	36.1	35.4	35.0	34.8	34.7	35.1	35.4	35.3	35.0	34.7	34.6	35.5
25	34.5	34.5	34.4	34.4	34.5	34.7	35.0	35.4	35.7	36.2	36.8	37.6	38.1	37.8	37.1	36.5	35.9	35.6	35.5	35.2	34.7	34.3	34.1	33.9	35.5
26	33.8	33.8	33.7	33.7	33.6	33.6	33.8	34.0	34.4	34.9	35.7	36.8	37.0	36.6	36.0	35.4	35.1	34.9	34.7	34.4	34.1	33.9	33.8	33.7	34.6
27	33.6	33.5	33.4	33.4	33.4	33.5	33.8	34.2	34.8	35.8	36.7	36.7	36.3	35.7	35.2	34.9	34.8	34.7	34.5	34.2	34.0	33.9	33.7	33.7	34.5
28	33.6	33.6	33.6	33.7	33.9	34.1	34.4	34.8	35.6	36.6	37.0	36.7	36.1	35.5	35.1	35.3	35.3	35.7	35.7	35.1	34.6	34.3	34.1	34.0	34.9
29	34.0	34.0	34.0	34.0	34.1	34.3	34.7	35.1	35.7	36.8	37.6	37.3	36.6	36.0	35.7	35.3	35.2	35.6	35.6	35.1	34.7	34.3	34.1	33.9	35.2
30	33.8	33.8	33.7	33.7	33.8	34.0	34.4	34.8	35.4	36.3	37.0	36.9	36.4	35.9	35.4	35.0	34.7	34.4	34.2	34.0	33.8	33.8	33.7	33.7	34.7
31	33.7	33.6	33.6	33.6	33.6	33.8	34.0	34.3	34.6	34.9	35.4	36.0	36.9	37.4	37.3	37.0	36.6	36.2	36.1	35.7	35.1	34.7	34.4	34.2	35.1
																						MONTHLY AVERAGE			36.3

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

January 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1210	1210	1205	1200	1190	1180	1180	1180	1180	3610	5235	7150	8080	8035	8665	9590	10555	9915	9845	9845	9915	9970	10050	9845	5877
2	1180	1170	1160	1150	1150	1140	1135	1135	5410	9765	9990	9450	10240	9255	9595	9975	9450	9990	9450	9980	9990	9975	10205	9665	6734
3	5200	1160	1150	1150	1140	1135	1135	4920	4920	5005	5520	5195	5345	4990	5285	5630	9800	10060	10130	10145	10155	5115	4715	1165	5007
4	1135	1135	1130	1130	1130	1130	1130	4645	9080	8680	9005	9385	9495	8915	5020	5365	8295	8260	8365	8330	5070	4685	1140	1135	5116
5	1135	1135	1135	1135	1135	1135	1135	4855	8460	8150	7790	8780	8260	8780	7840	8720	8260	8310	8415	7945	8580	8580	1170	1160	5500
6	1160	1160	1160	1160	1150	1145	1145	7310	8310	8430	8040	8490	7565	7945	8495	8495	8495	8490	7945	8495	7950	1185	1170	1170	5253
7	1165	1165	1155	1150	1150	1140	5575	8770	8310	8930	8445	8495	5160	5070	3470	1450	4685	8770	7790	4760	5160	1165	1155	1155	4385
8	1145	1145	1140	1140	1135	1130	1130	4900	7365	8585	8185	8085	8195	8195	8195	8625	7745	8135	8585	8235	8175	8195	8175	8625	6007
9	1695	1155	1155	1150	1145	1140	1135	1135	3385	8530	8125	7715	8215	8150	3465	3445	3445	10105	10490	10605	5075	3825	3810	3810	4663
10	1150	1150	1150	1150	1140	1135	1135	1135	1135	1135	1420	3735	3405	1425	2920	3525	6305	9475	10675	9465	10045	5105	5466	5460	3743
11	1170	1160	1150	1140	1135	1130	1130	7675	10280	9850	8255	8625	4655	4280	1425	1430	8150	8195	8695	8090	8780	4730	4995	4685	5034
12	1160	1155	1150	1140	1135	1135	1135	7640	8230	7740	8310	8260	8360	1160	1160	1160	8585	7860	8690	8555	4905	4870	1165	1165	4409
13	1165	1165	1155	1155	1150	1140	1140	4545	8200	8310	7450	8350	8415	8430	8580	8015	8555	8570	9250	8080	1175	1165	1160	1160	4895
14	1150	1140	1140	1130	1130	1130	1130	4965	8030	8695	8780	8250	8780	8300	8730	8300	8770	8260	8945	8430	7890	1165	1150	1150	5273
15	1155	1150	1145	1140	1135	1135	1135	8625	8770	8770	8365	8330	8385	8330	8365	8330	8420	7905	8495	8495	8555	1180	1180	1180	5403
16	1180	1180	1170	1160	1150	1150	1140	1140	5460	8695	8420	8555	8595	1175	1170	1180	7415	8490	8620	7620	4950	1195	1185	1185	3883
17	1185	1170	1165	1165	1165	1155	1145	1145	4965	8695	8770	8300	8770	5070	1150	1145	4340	8135	7960	7940	8830	4390	1150	1150	4169
18	1140	1135	1135	1135	1130	1130	5290	8495	8235	8645	8770	8360	8790	5085	1445	1445	10395	10060	10605	9350	4325	1140	1135	1135	4980
19	1130	1130	1130	1130	1130	1130	1130	6670	10350	9955	9975	10060	10155	5810	4400	3755	10120	9555	9650	10155	9590	2635	1160	1135	5543
20	1135	1135	1135	1135	1125	1125	1125	10260	10260	10520	10055	10610	9555	10145	9620	9685	9665	10250	10405	10450	8175	7190	1170	1150	6545
21	1150	1150	1140	1140	1140	1140	1140	1140	10510	9580	10250	9620	9620	10205	5200	5115	10250	9800	10460	9845	10040	2690	1160	1150	5610
22	1155	1150	1145	1145	1140	1140	2270	10400	10170	10205	9800	9310	9780	6025	3720	3720	9130	10385	9915	8290	2790	1185	1180	1165	5263
23	1170	1170	1170	1160	1155	1150	1150	1150	1150	9695	10145	9650	10190	3540	1155	1155	3165	10610	9650	10155	5620	1160	1150	1150	4109
24	1150	1145	1140	1135	1135	1135	1135	1135	1135	2245	2245	2245	2245	1130	1130	1125	2235	9325	10350	9915	7210	1160	1150	1150	2713
25	1125	1125	1125	1125	1125	1125	4260	8555	8685	8760	8760	8315	4000	5460	1140	1140	7950	10495	10610	6370	6755	1155	1150	1140	4644
26	1140	1140	1140	1135	1130	1130	1130	5260	5795	10670	10005	5470	5730	6310	5475	5700	8865	9515	10235	9145	10250	5620	3620	1165	5282
27	1160	1155	1150	1140	1135	1135	1135	5290	10630	10065	9700	9650	5160	5530	1475	1475	6075	10850	10990	5780	1200	1195	1185	1180	4393
28	1170	1160	1150	1140	1135	1135	1135	3555	9650	8420	7840	8780	8855	8315	3880	3880	8945	8510	8680	8120	8780	4905	1185	1175	5063
29	1170	1165	1160	1150	1145	1145	1140	5430	8310	7915	8430	8495	8765	4065	1470	1460	2700	8425	8655	8935	5080	1210	1195	1185	4158
30	1180	1175	1170	1165	1160	1160	1140	1140	6535	9665	9960	10055	9645	4415	5120	4730	5070	9965	10405	9400	3970	1170	1165	1160	4655
31	1160	1160	1155	1150	1145	1140	1135	1135	1135	1135	5320	8900	8970	5085	5035	5035	8860	9555	9045	9670	9720	1165	1155	1150	4171
																						Monthly Average			4919

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

February 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1130	1130	1130	1130	1130	1130	1130	8290	10010	10735	10145	9110	2300	2580	2425	2265	2425	11085	9720	10220	6325	1165	1155	1135	4542
2	1130	1130	1130	1130	1130	1130	2840	9180	9590	9720	10205	9965	11120	10235	9730	10235	9620	10915	10805	9775	10190	9730	9665	10205	7521
3	9620	8290	8755	8755	9470	10405	9885	10660	10425	10390	10895	9375	10890	12050	11665	10495	11445	10850	11580	11075	11175	10745	11465	11405	10490
4	11260	11365	17190	16200	16300	11295	10560	11145	10580	11085	11630	11580	11075	11580	11640	11580	11160	10660	10660	11145	11075	10560	11175	10660	11798
5	11175	11275	11190	10250	9510	9645	10055	10130	9700	10205	10295	9620	10205	9620	10295	9890	10250	9415	9745	9665	10250	9890	10250	9350	10078
6	5580	5060	5540	5450	5000	5310	6310	10405	10055	10735	9650	10285	9745	10335	10250	10015	10015	9685	10665	9205	10285	9745	10015	9685	8709
7	2750	2350	3155	2645	3110	2665	3085	2665	4715	10055	9650	10205	9650	4790	1150	1140	4920	10060	9515	9740	9935	9980	2330	1155	5476
8	1145	1140	1135	1135	1135	1135	4530	10440	10610	10130	10145	10205	9665	10205	5510	4975	9590	10155	10335	10285	10815	5235	1155	1150	6332
9	1140	1140	1135	1135	1135	1135	4880	10300	10025	10605	10145	10130	10170	5540	5380	5945	10020	9845	9565	10700	9590	5115	1145	1140	6128
10	1140	1135	1135	1135	1130	1130	1130	10185	9915	10505	10490	9980	9980	9980	10055	9590	10600	10060	9515	10055	10295	5200	1165	1150	6527
11	1150	1150	1425	1425	1420	1410	1130	10205	10425	10060	10060	10060	10060	5500	5860	5470	10520	10155	10160	10280	9730	5285	5015	1295	6219
12	1160	1160	1145	1145	1150	1135	1135	9965	10425	10605	9665	10205	9745	9740	9970	9845	9845	9495	9780	10450	10385	4870	1175	1165	6473
13	1165	1165	1155	1155	1150	1150	1145	1145	4955	4675	9545	9680	9255	5100	5980	5470	10600	9665	10340	10340	9800	9870	1185	1170	5286
14	1165	1165	1155	1155	1150	1145	1145	1145	1145	4590	9410	9975	9510	5380	4690	4975	4975	9950	10150	9565	9565	10130	4995	1160	4975
15	1145	1145	1140	1135	1135	1135	1135	4505	9790	11235	9760	9620	10205	10820	5500	5470	10130	10170	10205	10235	9665	3430	1165	1165	5877
16	1140	1140	1140	1140	1140	1140	1140	9815	10405	9990	9515	10055	10605	10610	7920	8330	10060	9510	10060	10055	10605	5425	5470	1165	6566
17	1150	1135	1135	1135	1130	1125	3240	9910	10060	9915	10510	10065	9510	10060	10145	10130	9665	10280	10775	10280	9620	9825	9225	1165	7133
18	1160	1150	1150	1150	1145	1145	5235	10170	9505	10515	9430	9665	11125	9935	9835	10205	9620	9620	10375	9620	9665	10205	3940	1165	6947
19	1170	1170	1165	1160	1160	1155	7655	9450	10505	9600	10155	9160	10250	9760	10340	9980	9780	9425	10050	9845	10050	9845	1195	1185	6884
20	1170	1165	1160	1150	1150	1145	1140	4815	9790	9410	10405	10115	9230	10150	6880	6535	9460	9410	10405	9410	10405	5115	5050	5030	6237
21	1150	1145	2755	2425	2425	2845	3070	2535	2725	6485	6160	9315	9800	9850	9880	9375	10555	9990	10315	10300	10610	10300	10825	4040	6620
22	1140	1140	1135	1135	1135	1135	10790	9705	9780	9805	10475	10280	4760	4715	4995	5460	4675	9800	10605	10155	5860	1150	1140	1140	5505
23	1130	1130	1130	1130	1130	1130	1120	4525	10405	10260	10490	9720	9995	9975	9980	9450	10510	10505	9980	9980	10555	9990	9450	10510	7258
24	1160	1160	1150	1150	1150	1150	1135	1135	11250	10055	10055	10060	10610	10055	9515	10055	10065	10055	10605	10060	10055	9515	10060	10610	7161
25	5945	5470	4090	4135	4090	4135	4135	9860	9980	10050	9590	10230	9745	9295	10400	10250	9915	9370	9635	9725	5475	1205	1185	1185	7046
26	1175	1170	1460	1455	4805	4805	4425	4655	9975	10065	10075	9535	9465	5070	1150	1140	1140	4920	5005	5005	1155	1160	1160	1160	4214
27	1160	1160	1150	1150	1140	1140	1135	1135	4945	4945	10310	9995	9965	10605	10060	10055	10610	10145	10145	10145	10205	10280	4875	5235	6320
28	1160	1155	1155	1150	1150	1140	1140	1140	4920	4955	4660	4675	5030	4975	5005	5120	4620	10385	10055	10060	10145	5085	4840	1150	4370
29	1140	1135	1130	1130	1130	1130	1130	4890	10240	9980	10060	10610	10055	10605	10060	10060	10055	9510	10610	10605	9240	10330	10250	5235	7097
																								Monthly Average	6751

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

March 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1165	1150	1140	1140	1140	1140	1435	10605	10235	10280	9620	10250	6870	3455	2590	2625	3175	10440	9535	9590	10205	2690	1170	1165	5117
2	1165	1165	1160	1160	1150	1150	1140	6250	10235	10345	9685	9745	9745	4840	5200	4790	5200	9845	10510	9915	7735	2770	1175	1165	5302
3	1165	1160	1150	1150	1140	1135	1135	5350	10510	10495	10505	10600	10170	9620	9745	9740	10460	9980	9910	9535	4215	1195	1195	1195	5936
4	1195	1195	1175	1170	1160	1160	1160	1160	1470	2700	5130	6910	3840	5160	9790	10335	9800	10340	9910	9610	9535	10040	4410	1205	4982
5	1195	1190	1185	1185	1175	1170	1160	1160	6850	9225	9275	10465	4870	3925	1470	1460	4085	10710	9620	10420	4845	2345	1165	1155	4221
6	1160	1160	1160	1155	1150	1150	1150	1150	1150	4995	5050	5050	5050	1150	1140	1140	1140	3725	10055	9510	10060	3535	1150	1150	3095
7	5295	5295	4295	4595	3885	3855	4050	9980	10170	10235	9760	10335	9735	4805	1150	1145	1140	10610	10805	10190	5195	1155	1150	1145	5832
8	1140	1140	1140	1140	1140	1140	1140	9950	9590	10275	9745	10225	5235	5120	5115	5070	5115	5115	9930	10525	1185	1175	1185	1180	4738
9	1170	1170	1160	1155	1150	1150	1150	9465	10235	10335	10340	9800	9275	4870	5800	5235	5195	10255	9780	9845	9780	1195	1185	1185	5495
10	1180	1175	1165	1165	1155	1150	1150	9800	10130	10045	9685	10525	9835	9915	9605	9975	10120	10120	9590	9320	9670	9785	8820	4675	7073
11	1205	1195	1185	4445	5120	5290	5120	10560	10145	9665	10395	9650	10345	10285	9220	9745	9685	9805	10335	10345	9685	10345	9220	9220	8009
12	1195	1185	1170	1160	1150	1150	1150	1150	10550	9915	10055	9605	10055	10060	9515	10105	9510	10055	11155	10040	10055	10045	9505	4675	6842
13	5085	5495	5050	5050	5050	5495	5590	5245	10875	9745	9685	10400	9975	10385	9915	9845	9295	9910	9845	9915	9845	5165	1195	1185	7468
14	1170	1160	1145	1145	1140	1140	1140	10780	10170	9760	10285	9820	3280	2620	2630	2580	2605	9830	10055	9515	10615	1160	1155	1150	4835
15	1140	1140	1135	1135	1135	1135	8440	10620	9450	10505	10735	9565	10820	10250	9210	9620	9730	10250	11435	9225	10205	9665	7190	6510	7510
16	3365	3365	3470	3455	3420	3710	9930	9980	9565	10170	10105	9590	10275	9590	10120	10145	10155	9655	10130	9650	10250	9620	10235	1185	7964
17	1160	1155	1150	1150	1135	1135	1135	9805	9465	10600	9605	10055	9515	10145	10055	8080	8600	10605	9510	10145	9515	4805	1165	1150	6285
18	1150	1150	1150	1150	1140	1135	1135	10145	10360	9375	9935	10420	9395	9915	4450	4180	4135	10430	9880	10420	9900	9880	10150	10135	6713
19	1160	1160	1155	1155	1150	1150	1150	1150	8950	9695	10150	10060	10060	10055	5595	5610	5400	10355	10155	9650	10170	6830	1165	1155	5595
20	1150	1150	1145	1145	1135	1135	1130	1130	1130	4430	7940	10010	8590	2985	1135	1135	2230	10225	9900	9995	9980	9980	9465	9990	4927
21	1165	1140	1140	1135	1135	1135	3685	10865	9900	9515	10610	10145	10060	10060	1160	1140	1135	4905	9580	10505	10005	1155	1150	1150	5149
22	1140	1135	1135	1135	1135	1135	7485	10400	9995	10060	10060	9510	10610	5040	5345	5320	4970	10490	10230	9745	9730	1170	1160	1155	5804
23	1145	1140	1135	1135	1130	1130	1130	10440	10060	10145	10235	9590	9770	9730	4760	5115	5035	5085	9980	10505	9990	5115	4685	4685	5953
24	1160	1160	1150	1150	1140	1140	4780	9410	10605	10275	11215	11740	11875	10670	1185	1175	1175	5235	11800	10650	1180	1165	1160	1160	5140
25	1150	1150	1140	1140	1140	1140	1140	11600	11980	10995	11580	11610	11580	11565	10600	10600	11080	11205	11140	11145	11805	11185	10915	10850	8310
26	1185	1180	1180	1180	1180	1180	1165	5035	12005	12030	12680	12570	15230	17320	20850	20850	21300	21300	21795	21735	23690	25280	25280	25280	13437
27	10195	26965	27180	27800	28285	28525	28845	29373	29555	31000	31000	30860	30860	32045	33790	33790	34245	34840	34840	34840	35365	35365	35365	35230	30840
28	37115	39100	39280	39455	39280	39455	40830	40355	38400	37810	38240	37940	37940	37955	37935	35565	36060	36400	33890	34270	36705	36590	36590	36590	37656
29	34025	34270	34060	33875	34055	31680	31875	30220	29420	31095	30455	32405	32845	33400	33100	32225	32215	33290	30650	30935	31230	31555	29005	28945	31951
30	29555	28915	29495	30075	29435	29500	29425	26795	27025	27510	26265	27605	27460	26175	26835	27455	26680	27255	27455	27190	26725	27260	26700	26810	27733
31	27445	27430	29300	29405	29425	29340	29870	29910	31315	29400	29400	29140	26785	26400	26390	26390	26580	26580	26580	26580	29255	29020	29020	30260	28384
																						Monthly Average			10268

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

April 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	30940	30940	31150	31555	31875	32065	32420	32420	32590	32590	32420	32420	32590	32590	32590	32590	32590	32590	32590	32420	32245	32245	31805	31805	32168
2	31430	31805	31805	31805	29345	29345	29570	29570	29570	29570	29570	29570	30365	30365	30365	30365	31000	30965	31000	30850	33260	33260	33260	33260	30886
3	33195	33195		33195	33195	34405	34545	34545	34405	34405	34405	34545	34545	34680	34625	34600	34680	36870	36840	36840	36735	36735	36735	36665	34982
4	36940	36940	36940	36940	36940	36940	36940	36770	36420	38805	38615	38615	40265	40265	40045	38000	38225	38225	41685	42315	41685	43395	41685	42395	39000
5	41230	40740	45800	45895	45520	45520	44440	44440	45250	45450	48410	48460	46555	46665	46680	41805	43430	43130	42810	43210	42535	43405	42595	43130	44463
6	43350	43425	42250	43115	43075	42240	42370	42865	42480	42550	43335	45845	46915	45835	46150	45855	47715	43405	44525	44000	44110	43935	44000	43935	44053
7	43765	43070	43630	43035	43645	43550	43150	42945	42290	45885	44815	44660	43875	43875	40760	40795	41355	41375	38175	38115	38130	38115	38190	37555	41865
8	39085	39015	38435	38540	35490	35560	34260	35720	34740	33170	34025	33370	33995	33985	36320	35760	33375	33770	34550	34375	33880	33770	33770	33770	35114
9	33405	31530	31525	33195	34555	35980	35700	31705	32780	32745	32220	32745	32760	32145	32780	32785	29635	30485	31000	30665	30200	30510	30195	30515	32157
10	29245	28815	28305	28595	28305	28700	25555	25555	25845	26320	25125	25725	25605	22960	23105	23305	23805	20770	21635	21025	20550	20700	21075	20700	24639
11	17550	16895	16830	18570	17425	17745	21790	21400	21300	16775	17945	17245	17890	17315	17020	17190	17435	17090	17890	17785	17785	17435	21185	21045	18272
12	20720	21290	17785	17315	17315	17890	17785	18380	17785	17810	16605	16240	16240	15800	15800	15800	15800	17520	17100	17100	18895	18650	18650	18650	17622
13	18895	18895	19000	19210	19330	19395	18740	17320	17575	15595	16605	16240	16240	12885	11560	12335	12225	11650	12905	12800	11650	12225	12225	12225	15322
14	12735	12330	12225	12225	12465	12570	13450	12765	12705	12765	13320	12040	12140	12655	11545	12585	12100	12655	12150	12760	12665	12655	12660	12665	12535
15	13365	11545	12430	12325	12100	12205	13260	12660	13325	12595	12100	11985	12095	12760	12070	12765	11545	12140	12705	11575	12820	12225	12225	12225	12377
16	12870	12460	11720	12370	11925	12605	11650	13430	12350	12800	12845	11650	12800	12835	12225	12235	12225	12330	12120	12225	12800	12225	12225	12225	12381
17	13640	11885	11680	12565	12225	12225	12225	12380	12915	11680	13030	12800	12225	11650	12225	12835	12225	12235	12330	12225	12305	12330	12305	12305	12352
18	8640	7880	7750	7910	7450	7700	10440	11010	11105	11565	11040	10980	12150	10410	11610	11625	10995	11625	10950	11610	10995	11580	10995	10995	10375
19	11105	10995	10995	10535	11610	10995	10995	11610	11580	11610	10475	12195	11025	11580	11640	11580	11565	11610	11565	11655	11610	10950	10995	10995	11311
20	11260	10995	11610	11025	11655	11565	12035	10940	11410	12040	11385	11935	11925	10840	11935	11930	11380	11385	11385	11930	11930	11385	11385	11385	11527
21	10965	10835	11385	11385	11935	11295	12720	12650	12645	12720	12130	12195	12200	12135	12550	12450	13230	12680	12595	12210	12140	12335	12075	12140	12150
22	11845	12225	12340	12225	12925	12225	12575	13150	12030	12605	12175	11625	11940	11630	12535	11935	12465	12405	12650	11890	11935	12550	12030	12570	12270
23	12100	11545	12765	12810	12660	12100	13100	13260	12435	12430	12990	12505	12550	12550	11935	12520	12450	12550	12550	11835	12605	11935	12550	11935	12444
24	12680	13170	12030	12525	12660	12810	13430	12595	12430	11770	13430	11995	12205	12765	11250	11575	12305	12025	11330	10720	11330	11330	10720	11940	12126
25	7410	8040	7370	7960	7880	8430	11710	10920	11330	10560	10500	11260	10360	10720	10995	10360	10290	11330	10535	10720	10900	10720	10340	10915	10065
26	4555	3920	4695	4235	4195	4160	4180	11055	11485	11445	10930	10905	10905	11625	10905	11495	10350	12025	11740	11080	11720	11120	11040	11740	9229
27	11925	11800	12470	10395	11930	12145	12875	12100	13430	11155	13095	12560	12660	12765	11905	12100	12100	12100	12205	12100	12480	12990	12100	12100	12229
28	12205	12100	12765	12705	12660	12815	11730	12145	12100	13430	12580	12020	12680	14745	17305	18360	24170	25280	27735	31355	34490	37865	39040	38650	19622
29	38615	38215	38390	38565	38565	38565	37560	36990	34710	33035	35520	40490	42650	46290	47040	49670	49670	49895	54455	54685	56330	56560	57620	57620	44654
30	57620	57620	57620	57620	57850	57850	56605	56605	56605	56605	57435	57435	57660	57660	57660	57660	57660	57660	57660	57660	57660	55185	55185	55185	57165

Monthly Average 23162

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

May 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	52210	50630	50850	50850	48240	46090	46320	46320	46320	46320	46320	46090	46090	45860	45860	45860	45860	45860	45860	45860	40555	40075	38745	39185	45926
2	37955	38525	38130	36940	35760	35760	34245	34545	34845	35615	35230	35230	35230	35230	35230	35230	35085	35230	35230	35085	33195	33350	33195	33350	35309
3	30960	30960	30960	30960	30960	30960	30960	30770	30770	30770	30770	29115	27690	26620	26845	26845	26845	26000	24630	22405	22325	22325	22325	22325	27754
4	19005	19005	19005	19115	19115	19115	19200	19200	18385	19305	19400	20470	19400	19400	18740	18740	18740	18570	18570	18570	17020	17020	17020	17020	18714
5	16655	16655	17020	17320	17575	17790	17180	17180	16915	16915	16605	16240	15260	14775	14775	15260	15260	15800	16240	16240	16240	16240	16240	16240	16359
6	16540	16040	16675	16795	17020	17100	16915	16915	15190	14790	14390	14390	14285	14285	15260	14775	14775	14775	14775	14775	14405	14405	14405	14405	15337
7	14650	14775	15100	15600	15700	16150	12925	12905	12650	12840	12035	12760	12840	12360	13000	12850	12890	12690	13170	12570	12030	12950	12570	12350	13348
8	12580	12780	14745	14835	14835	14840	14840	14835	14835	14835	14825	14825	14825	14825	14835	14835	14835	14845	14845	14845	14835	14455	14825	14825	14635
9	15490	16020	16235	16230	16230	16240	16245	16245	16235	16235	15950	12030	12080	12580	12090	11935	13120	12465	12550	12450	12520	13065	12465	12535	14135
10	11990	12021	11935	12465	12520	12450	13080	12980	15405	15405	15400	12680	12340	12425	11530	12465	12490	12465	13005	13080	12550	12520	12535	12465	12842
11	13080	11890	12400	11835	13610	13080	13120	11935	12550	12450	12915	13135	12450	12520	11575	11935	12420	12550	12765	12140	12075	12140	12140	12140	12452
12	13355	13310	12800	12800	12695	12080	13005	11760	13005	12350	12415	12055	12410	12425	12335	12550	12450	12520	12435	13050	12450	12435	11935	12450	12545
13	13120	13165	12550	12920	12560	12560	11915	11935	13165	11935	11430	12450	12060	11920	12690	12690	12260	11140	11020	11740	11710	11170	11050	11650	12117
14	12885	12250	11380	12280	10645	11505	10560	11505	11470	11495	11805	11270	11305	11280	12060	11810	12320	11281	11795	12405	11280	11810	11280	11810	11645
15	11805	11535	11285	11805	11810	11010	10765	11380	11020	11565	11680	11070	11740	11070	11740	11080	11140	11140	11080	11080	11680	11140	11080	11670	11349
16	3165	3140	3125	3410	3410	3410	3130	3410	11280	10835	11385	11385	11375	10840	11720	11535	11610	10995	11040	11670	11680	11080	11080	4840	8356
17	4690	4080	4340	4340	4340	4340	4355	10840	11565	10995	11730	10480	11680	11080	11850	11730	11080	11670	11080	11140	11080	11140	1195	1185	8417
18	1165	1160	1150	1150	1140	1140	1150	11180	11525	10430	12060	10970	11330	10705	10810	10765	11290	11280	11335	11285	11470	11495	11730	11670	8308
19	5120	4730	4215	4165	4315	4315	10625	10600	10170	9565	10980	10170	10120	10155	10755	10480	10480	11080	10615	11140	11080	11020	10480	11140	9063
20	4250	4095	3880	3880	3845	3845	3845	11930	12195	12200	11930	11025	11010	11280	10755	10680	11085	11205	11145	11205	11280	11085	10545	11145	9139
21	11805	11565	12475	11870	11805	11740	10585	11495	12125	11495	11810	11465	12425	11195	11060	11675	12245	10100	12245	11690	11675	11060	11675	11060	11598
22	8645	8740	7340	7120	6730	7265	6935	7070	11965	12395	10675	11430	11240	11180	10610	12395	11305	10740	11920	10715	10780	11395	11255	11395	10052
23	6185	6775	6645	6225	6645	6185	10955	11130	11985	10790	10810	11400	11540	10790	11290	10790	10810	10195	11995	10645	11195	10655	10775	10655	9878
24	11925	11925	10855	10540	11120	11220	10325	10490	11145	10960	10960	11080	10450	10505	11530	11060	10590	10925	10965	10455	10940	10965	10885	10925	10948
25	11095	11080	5865	6295	6140	6840	5990	6395	11535	10845	11230	11180	10525	11440	10335	11295	11310	10650	10495	10925	10985	10455	10885	10375	9757
26	11305	11150	10635	10635	11220	11150	10950	11585	10480	10975	11110	11390	10870	10480	12020	11490	10870	11290	11350	10995	10925	10925	10925	10925	11069
27	11255	11640	11935	11445	11930	11135	11675	12250	12130	11580	12665	12705	13280	12750	12705	13280	12120	12100	12060	12765	12165	12495	12165	12435	12194
28	12275	11640	12165	12835	12725	12345	10665	11400	10890	11060	10815	10940	10460	10815	12270	10740	11415	10215	11145	10585	10400	11475	10875	10715	11286
29	10605	11535	5225	5595	5125	5465	11875	12130	11030	11695	10810	11780	11240	11765	11005	11050	11195	11055	11060	10475	11270	10645	11325	11395	10265
30	4690	4935	1250	1240	1230	1220	1210	1345	1345	4805	5195	10000	10700	11235	11220	10935	11280	11940	11250	10245	10990	10265	10605	10265	7058
31	1230	1225	1210	1210	1200	1335	1335	5700	10625	10700	10255	10805	10255	10260	10260	9710	10405	9930	10435	10560	9865	9415	4935	4935	6991
																								Monthly Average	13834

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

June 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1240	1230	1225	1220	1215	1345	10870	10970	10605	10590	10720	10705	10165	10705	9865	10485	10005	10535	10605	10600	10470	9865	10465	10405	8171
2	7185	6575	7085	7085	7020	7100	10530	9850	9360	10050	9980	9980	10045	9980	9625	10180	5575	5110	5490	5110	5395	1235	1225	1220	7166
3	1215	1215	1215	1215	1205	1340	1340	8195	9670	10190	9650	10700	10195	10160	10180	5005	5235	5285	6395	4885	5115	4750	4750	1225	5430
4	1220	1220	1215	1210	1205	1340	1340	1340	12135	11245	9240	9855	10355	10330	10435	10545	9885	10000	10585	1385	1240	1240	1250	1250	5461
5	1240	1240	1235	1225	1220	1350	1350	1350	10595	11465	9820	10480	10405	9820	11065	11020	9850	10405	9820	1375	1230	1225	1215	1215	5467
6	1215	1215	1205	1205	1200	1335	1335	10455	9100	9705	8660	10440	9700	8660	10230	9700	9705	9700	1360	1355	1215	1215	1215	1205	5097
7	1205	1205	1200	1200	1200	1335	1335	9515	9050	9520	10130	9095	9630	9090	10130	5625	6145	6010	1350	1345	1205	1205	1205	1200	4589
8	1200	1200	1200	1200	1200	1200	1330	4770	6940	9225	9090	9050	5625	5600	5205	2790	3205	3205	2780	1350	1215	1215	1210	1210	3426
9	1205	1205	1205	1205	1200	1200	1200	3935	5520	5600	8225	7405	5555	4830	4848	4845	2790	1345	1345	1345	1210	1210	1210	1210	2952
10	1210	1210	1210	1205	1205	1205	1205	2445	3925	5900	8905	9450	7875	7150	3670	3950	3650	3950	3650	3650	3560	1525	1220	1220	3506
11	1220	1220	1215	1210	1205	1205	1205	1335	1335	5830	7800	5970	3885	4000	1345	1345	1345	1345	1345	1345	1210	1210	1210	1210	2148
12	1210	1210	1205	1200	1195	1195	1195	1195	1195	1195	1190	1190	3305	1195	1195	1190	1190	1190	1190	1190	4425	7755	1205	1200	1692
13	1195	1195	1195	1195	1195	1195	1325	3870	3585	3910	5110	5630	7180	10430	9975	10020	10570	10570	4055	1350	1215	1215	1210	1205	4150
14	1205	1205	1205	1205	1205	1200	1335	1330	3605	4820	6450	10015	10745	11555	10255	10255	10795	5530	5040	5040	1245	1240	1240	1240	4540
15	1230	1215	1210	1205	1205	1200	1335	1335	6395	6415	11115	10175	10710	10640	9870	9815	11020	5280	1395	1385	1240	1235	1230	1230	4545
16	1215	1215	1215	1210	1205	1200	1335	1330	1330	1330	9125	11125	10065	10640	10245	9795	8810	4750	1355	1355	1225	1220	1220	1220	3947
17	1220	1220	1220	1220	1215	1210	1345	1345	4885	5285	10270	10175	5005	5435	5045	1390	1390	1390	1390	1390	1260	1260	1260	1260	2837
18	1250	1250	1250	1250	1240	1235	1365	1365	1365	5315	4930	4930	4960	4960	1380	1380	1380	1380	1380	1380	1245	1245	1245	1245	2080
19	1240	1240	1235	1235	1225	1220	1345	1345	1340	1340	1340	4820	4820	1350	1340	1340	1340	1340	1340	1340	8215	8225	2415	1235	2218
20	1225	1215	1205	1200	1200	1200	1330	1330	1330	1330	3025	4820	4555	4890	8600	9190	7015	6190	5045	1365	1230	1230	1230	1230	3008
21	1235	1235	1235	1230	1225	1215	1350	1350	1350	5195	4930	4930	5435	9115	9205	5345	5105	5165	1390	1390	1255	1255	1250	1250	3068
22	1230	1230	1225	1215	1210	1205	1335	1335	1335	1335	5155	5230	4885	5250	4885	4940	4960	1350	1355	1355	1230	1235	1235	1235	2373
23	1225	1225	1215	1205	1200	1200	1335	1335	5850	3635	4300	4335	3845	2985	2430	1340	1340	1335	1335	1335	1335	1335	1200	1200	2045
24	1200	1200	1200	1200	1200	1200	1330	1330	1330	1330	4220	1335	2015	2020	1620	1340	1345	1350	1350	1350	1225	1225	1225	1225	1474
25	1225	1225	1215	1215	1215	1210	1240	1335	1335	1335	5165	4920	1340	1340	1340	1350	1350	1350	1350	1350	9855	1215	1215	1215	1954
26	1215	1215	1215	1215	1215	1350	1350	1340	1340	1340	1340	1340	4795	4855	5660	4590	1350	1350	1350	1350	1215	1215	1215	1215	1901
27	1215	1215	1215	1215	1210	1205	1335	1335	1335	5165	5565	5230	5740	4575	4880	4865	4880	1350	1300	1350	1215	1215	1215	1220	2544
28	1220	1220	1220	1220	1225	1350	1340	1340	1340	1345	1350	1350	4965	4990	5315	5315	4975	4930	1365	1365	1230	1230	1235	1235	2236
29	1235	1235	1235	1235	1230	1360	1350	1350	1350	3645	3375	3745	1945	2505	2805	1350	1350	1350	1300	1350	1215	1215	1215	1220	1715
30	1225	1225	1225	1225	1225	1225	1360	1360	1360	4235	3580	1370	2245	2105	1370	1370	1370	1370	1370	1370	1235	1235	1235	1235	1589
																								Monthly Average	3444

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

July 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1235	1235	1235	1235	1230	1225	1355	1355	1360	1360	4080	3765	2610	2610	2610	2610	2575	1385	1375	1375	1240	1240	1240	1240	1783
2	1240	1240	1240	1240	1240	1240	1240	1235	1235	4160	4200	5555	6025	4020	1240	1240	1240	1235	1235	1230	1230	1230	1230	1230	1977
3	1230	1230	1225	1225	1215	1215	1215	1210	1205	2315	3590	6710	8490	6295	6680	7200	6815	6635	6295	6680	7625	7995	7585	7995	4578
4	1220	1220	1215	1210	1205	1205	1200	1195	1195	3145	6545	7845	7180	3590	3590	3865	4270	5735	5735	6325	8065	7575	7995	3560	3995
5	1205	1205	1205	1205	1205	1205	1195	3795	3750	3750	3470	3750	3470	7730	8385	5895	6140	6195	6195	1145	1135	1135	1135	1135	3193
6	1135	1135	1135	1135	1130	1130	1125	1125	1125	1125	1125	6335	3735	3735	3735	3735	3735	2605	1135	1135	1135	1135	1135	1135	1952
7	1135	1135	1130	1130	1125	1120	1120	1120	1120	2215	3655	5175	3735	7375	7730	7380	7390	7060	1155	1140	1140	1140	1140	1140	2863
8	1145	1150	1145	1140	1135	1135	1130	1130	1130	2235	5790	7030	7165	8410	7940	6130	5740	1495	1175	1175	1165	1165	1165	1165	2883
9	1170	1170	1170	1165	1160	1160	1150	700	1050	1510	1510	2590	4595	4965	3770	4235	3770	3770	3935	3815	1150	1150	1150	1150	2207
10	1150	1150	1150	1145	1140	1140	1135	1135	1130	1130	1130	3350	3735	3390	1135	1130	1130	1130	1130	1130	4815	4600	1135	1135	1728
11	1410	1410	1125	1120	1120	1120	1120	1120	1120	1120	7130	9775	9050	9460	9160	9130	5050	5050	5050	4740	5495	1165	1165	1165	3932
12	1165	1155	1150	1150	1140	1140	1135	1130	1130	1130	8980	9745	9640	9225	8810	4855	1775	1190	1185	1175	1185	1195	1185	1185	3031
13	1185	1180	1170	1160	1155	1150	1140	1140	1140	1140	4290	4615	4615	4615	4615	4315	1150	1150	1155	1155	1150	1150	1150	1150	1993
14	1150	1150	1150	1150	1140	1140	1130	1130	1130	1130	1130	4550	4615	1150	1160	1510	1165	1170	1175	1170	1165	1165	1165	1165	1452
15	1165	1165	1160	1155	1150	1140	1135	1135	1135	1135	1135	1135	9840	7780	7380	1150	1145	1145	1145	1145	1145	1145	1145	1145	2044
16	1145	1145	1145	1145	1145	1145	1140	1140	1140	1140	1140	4895	4965	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1462
17	1150	1150	1150	1150	1145	1140	1135	1130	1130	1130	1130	1130	4550	4550	4840	4840	1140	1130	3080	3405	3390	5770	5185	5470	2543
18	6115	6195	6345	6345	6195	6195	6625	5385	4945	5350	4945	6950	6615	6795	7000	5115	5650	4790	4790	1175	1170	1170	1170	1170	4925
19	1165	1165	1160	1160	1150	1150	1140	1140	1135	1135	1135	9340	9090	9440	10000	9170	10220	9715	5160	1160	1150	1150	1145	1145	3772
20	1145	1145	1140	1140	1140	1135	1135	1135	1135	1135	7760	7565	7520	7590	7940	1160	1160	1160	1160	1160	1160	1160	1160	1160	2508
21	1160	1160	1160	1155	1150	1150	1140	1135	1135	1135	1135	1135	7850	7970	8020	7550	7590	7550	8100	7660	7750	7815	7330	7330	4428
22	8430	7920	8840	8330	9450	9995	10730	10595	9540	9970	9460	10475	10970	9885	10500	9920	10750	16065	15480	15440	15935	15980	13815	14055	11355
23	14460	13140	15625	12910	13770	14935	10665	10935	10445	9995	10275	10515	10185	10525	8320	9770	9245	10205	10220	9225	9700	9225	9715	9225	10968
24	9965	8990	9170	8960	4805	4325	9450	9950	9700	9820	9550	9795	10340	1150	1135	1135	1130	1130	1130	9480	10090	9715	1160	1150	6384
25	1140	1140	1140	1140	1135	1135	1135	1135	1135	9425	9640	10205	5335	6755	6450	6910	6410	1185	1180	1170	1170	1170	1165	1165	3315
26	1165	1165	1150	1150	1150	1145	1135	1135	1135	4580	5875	8700	9170	8925	9575	9510	9495	9035	6650	3345	1195	1195	1190	1190	4165
27	1185	1185	1175	1175	1170	1170	1160	1160	1160	1460	7375	7880	7420	7420	8190	8155	8430	1190	1185	1185	1175	1170	1170	1170	3130
28	1170	1170	1165	1165	1160	1150	1140	1135	1135	1135	6895	7920	8020	6855	7780	8090	7645	7645	8055	7645	7645	7610	1170	1170	4403
29	1170	1170	1165	1160	1155	1155	3830	4655	5055	4990	7700	8160	7665	7425	6430	7435	6900	5265	1530	1190	1185	1185	1185	1185	3748
30	1180	1180	1170	1170	1160	1155	1150	1150	1140	1140	3780	3770	3865	3905	4205	3870	4290	4170	3985	5740	5235	5235	1180	1180	2750
31	1180	1180	1170	1165	1160	1150	1145	1140	1135	1135	1430	3755	3755	3710	3740	3740	3740	3740	3770	3770	3470	1420	1470	1470	2273
																						Monthly Average			3605

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

August 1988

	Discharge, cfs																								Daily
Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Average
1	1160	1155	1150	1150	1150	1145	1140	1140	1140	4105	4920	6530	6565	7850	7870	7110	7870	5030	5030	5030	2605	1150	1150	1150	3512
2	1150	1150	1145	1140	1135	1130	1125	1125	1125	7375	7730	9140	8360	8470	8000	8360	8995	8955	9195	8640	1165	1165	1165	1165	4504
3	1155	1155	1150	1140	1140	1135	1130	1130	2515	4350	7985	9580	10050	9170	8880	9590	9210	9295	9415	6005	6005	2940	1150	1150	4851
4	1145	1145	1140	1140	1135	1135	1130	1130	1130	4660	9550	9280	9995	9905	9910	9415	9540	9495	9035	10110	9570	9755	1195	1180	5534
5	1185	1180	1180	1175	1170	1160	1150	1150	1150	1150	1150	9905	8970	9155	9630	9095	9050	9850	7655	4900	3685	1200	1200	1195	4095
6	1185	1185	1180	1170	1165	1160	1150	1150	1150	1150	1150	3085	3085	3085	3085	3085	2665	3085	1170	1170	1165	1165	1165	1165	1707
7	1165	1165	1165	1165	1160	1155	1145	1145	1135	1135	1135	3120	4965	3025	1145	1140	1140	1140	1140	1140	5430	4705	1150	1150	1794
8	1140	1140	1135	1130	1130	1130	1120	1120	1120	1120	5090	5770	9205	9390	8895	9305	8995	8610	8130	5035	1155	1155	1155	1155	3930
9	1155	1155	1150	1150	1145	1140	1140	1140	1140	1140	9925	9495	10110	9570	9720	9720	9790	1210	1205	1205	1195	1195	1205	1205	3675
10	1195	1185	1170	1165	1160	1150	1145	1140	1140	1140	9625	10155	9570	9145	9970	9295	5695	1195	1195	1195	1190	1185	1185	1185	3474
11	1165	1165	1155	1150	1140	1135	1135	1135	1135	1135	8055	7675	7730	7730	7730	7730	7420	7880	7880	7420	7880	1195	1195	1195	4174
12	1175	1160	1160	1150	1145	1140	1135	1135	1135	7470	7380	7025	8220	7730	7315	7370	7260	7730	6120	1170	1170	1170	1170	1170	3742
13	1175	1185	1180	1175	1170	1170	1160	1155	1155	1155	7610	7660	7815	7555	7160	7300	1190	1195	1195	1190	1190	1190	1190	1190	2763
14	1180	1175	1170	1160	1155	1150	1140	1135	1135	1135	1135	4605	4620	4605	4605	4620	1135	1135	1135	1135	9760	10375	1175	1175	2615
15	1780	1140	1135	1135	1135	1135	1130	1130	1815	1130	7115	10375	10465	10400	9605	10900	9995	10130	8040	5330	4870	1185	1170	1170	4726
16	1165	1165	1160	1150	1150	1145	1135	1135	1135	1135	7615	9975	10205	9530	10690	8475	8680	6555	4905	2820	3540	1170	1160	1160	4081
17	1150	1150	1150	1150	1145	1140	1140	1140	1140	4855	7355	9470	10790	9660	10710	3970	1470	1455	1150	1150	1150	1150	1150	1150	3206
18	1150	1150	1145	1145	1140	1140	1140	1135	1135	1135	6165	5890	6625	6280	5605	1160	1150	1150	1150	1150	1150	1150	1150	1150	2181
19	1150	1150	1150	1150	1145	1140	1135	1135	1130	2245	5815	6790	6765	6875	5920	3880	3880	1165	1165	1165	1165	1165	1165	1165	2525
20	1160	1160	1155	1155	1150	1150	1140	1140	1135	1130	2965	3765	2260	1135	1135	1135	1135	1135	1135	5460	5385	5500	1150	1150	1913
21	1150	1150	1140	1140	1140	1140	1135	1135	1130	1130	1130	1130	1130	1130	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1132
22	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	3685	6820	7930	7970	8055	3795	1145	1140	1140	1140	1140	1140	1140	2442
23	1140	1140	1140	1140	1135	1135	1130	1130	1130	6470	9050	9675	9205	9270	9795	6680	4760	1160	1155	1150	1160	1160	1160	1160	3468
24	1160	1160	1150	1145	1140	1140	1135	1135	1135	5855	5580	6260	6005	6005	4760	1165	1160	1160	1160	1160	1165	1165	1165	1165	2301
25	1165	1165	1165	1165	1160	1150	1145	1145	1145	1145	8335	8615	9020	9680	7845	1205	1220	1205	1195	1185	1175	1170	1170	1170	2739
26	1170	1170	1170	1160	1155	1150	1140	1140	1140	1140	6215	10325	9420	8860	9145	6255	1185	1180	1180	1170	1170	1170	1170	1170	2965
27	1170	1170	1170	1165	1160	1155	1145	1145	1145	1145	4615	4665	4665	1150	1145	1145	1145	1145	1145	1145	1145	1145	1145	1145	1588
28	1145	1145	1140	1140	1135	1135	1130	1130	1130	1130	1130	1130	1130	1130	1130	1135	1135	1135	1135	1135	1135	1135	3835	4105	1371
29	3405	1140	1135	1135	1130	1130	1130	1130	2620	13160	13065	12105	12140	13320	12275	11955	12705	11735	12275	11550	11465	12140	12140	12705	8279
30	13510	12320	12330	12335	12770	12305	12885	12405	12905	12225	12640	12820	12705	12140	12075	12140	12705	12820	17875	22135	21180	21615	21815	21815	14686
31	20225	21620	21105	21205	21320	21235	20720	21190	17550	17550	18050	17440	17650	16940	18255	17535	17645	17135	17625	17735	17625	16440	17570	22575	18914
																								Monthly Average	4158

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

September 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	16895	17985	17210	17325	17135	13515	13865	14285	11430	11390	11475	11130	12625	12150	12705	12140	12915	12205	12985	12235	12305	12305	12330	12335	13453
2	12200	12645	11965	12545	12305	12305	13435	12705	12485	12640	12810	12140	12035	10310	11925	11440	11430	10620	11230	11230	11230	11230	10745	10820	11851
3	4990	4905	5285	5200	5085	5085	5730	5545	5085	11930	11480	10995	11680	11080	12070	11620	11080	11080	11140	11020	10420	10785	10750	10505	8939
4	1195	1175	1160	1155	1150	1145	1135	1135	2260	5240	7575	7610	7325	7700	8080	7660	7700	7660	8120	8160	8160	8120	7700	7700	5251
5	8160	8120	8160	8160	7660	8160	8220	8385	8240	12495	11020	11680	11140	11730	8295	7750	8330	8325	7815	8325	8330	8330	7810	4870	8730
6	5200	5200	5115	5115	3155	1145	3220	11060	10885	11050	11255	10845	11315	10900	10650	5780	5670	5160	11865	11330	11260	5460	1170	1165	7290
7	1155	1150	1145	1140	1140	1140	1140	4685	10345	11545	11215	10615	10910	10840	10970	10775	4530	4990	5080	4990	4990	4990	1165	1150	5491
8	1150	1150	1150	1150	1150	1150	1140	4955	4810	6625	10585	11320	7420	7420	7970	5290	4840	4840	5250	4870	2730	2730	1170	1160	4251
9	1160	1160	1160	1160	1160	1160	1160	1160	4995	4685	4830	4840	5010	4195	4195	4235	4620	4755	5230	4235	5230	4620	1160	1155	3220
10	1155	1155	1155	1155	1155	1155	1160	1165	1165	4715	5070	4730	5070	4730	5590	5115	4730	5115	5625	5115	1165	1165	1165	1165	2945
11	1160	1160	1155	1150	1150	1145	1140	1135	1135	4880	5385	4965	4920	4965	5385	1135	1135	1135	4880	4895	4605	4920	1140	1140	2742
12	1140	1140	1140	1140	1135	1130	1130	1125	1125	4560	4895	4895	4895	4270	5070	4430	4880	1140	1140	1135	1135	1135	1135	1135	2336
13	1135	1135	1135	1135	1135	1135	1135	1135	1135	4805	11210	10420	11060	11165	4730	1160	1155	1155	1155	1150	1150	1150	1150	1150	3083
14	1150	1150	1145	1140	1140	1140	1135	1135	1135	5840	6165	6245	5910	6510	7680	8155	1165	1155	1155	1155	1155	1155	1155	1155	2751
15	1170	1170	1160	1160	1155	1150	1150	1150	1150	1150	9335	10300	10550	10515	10780	9175	5375	4870	1180	1175	1175	1175	1175	1175	3730
16	1175	1175	1170	1165	1160	1150	1145	1145	11455	11150	11185	11870	4910	1170	1170	1170	1165	1165	1165	1165	1165	1165	1165	1165	3029
17	1165	1165	1165	1165	1165	1165	1165	1425	2045	1425	2045	1425	2045	1445	2095	1510	2120	4095	5965	6005	6460	1170	1165	1165	2157
18	1165	1165	1165	1160	1160	1160	1160	1160	1150	1150	1150	5050	5080	5115	1150	1150	1150	4655	4660	4660	4660	1155	1150	1150	2230
19	1150	1150	1150	1150	1140	1130	1130	1130	5450	7850	9375	10825	10805	10370	9950	10370	9930	10560	10625	9975	10595	10235	9780	4660	6687
20	1185	1185	1185	1185	1185	1185	1185	5290	5290	5290	10415	10895	11405	10840	10350	4530	5290	4840	5250	4790	4790	1165	1160	1155	4627
21	1155	1155	1155	1155	1155	1145	1145	1145	4920	5085	7795	11565	10600	10605	11450	4870	5290	4910	5330	5290	5330	5330	1175	1165	4580
22	1165	1165	1160	1155	1150	1145	1145	1145	4965	11935	4715	5050	5030	5460	5030	5030	5030	4975	5030	5460	5030	1165	1165	1165	3561
23	1160	1160	1150	1150	1145	1145	1145	1145	4620	5545	5085	5545	4715	5085	5035	5545	5085	5085	5035	5085	5085	4220	1185	1185	3431
24	1175	1175	1175	1175	1170	1165	1155	1155	4775	5115	5160	5160	5160	5160	5120	5160	5650	5160	5160	5160	1170	1170	1165	1165	3165
25	1165	1165	1160	1150	1150	1150	1140	1140	1140	5120	5525	5030	4675	5030	4975	5460	5460	5525	5030	5030	4975	5030	1150	1150	3314
26	1150	1150	1140	1140	1140	1140	1140	4710	4490	4975	4810	4810	4360	4660	5170	4975	5030	5030	3155	3060	3060	1150	1150	1150	3073
27	1140	1140	1135	1135	1135	1135	1135	1135	4365	4770	4455	4305	6215	6265	5005	4955	5005	5005	5005	5005	1160	1160	1160	1160	3087
28	1160	1160	1155	1150	1140	1140	1140	1140	3115	5315	5575	6055	5920	6305	5920	5580	5115	5115	6540	2690	1185	1185	1185	1185	3215
29	1180	1180	1170	1165	1160	1160	1160	1160	3815	6090	6190	6050	6055	5665	5665	3915	4445	2670	2670	5195	1185	1185	1185	1185	3021
30	1185	1185	1185	1185	1155	1155	1155	1155	3825	5665	6320	5905	6125	3915	3540	3880	3540	1170	1170	1170	1170	1170	1170	1170	2511
																						Monthly Average			4592

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

October 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1170	1165	1160	1150	1145	1145	1140	1140	3110	5540	7980	7550	6305	5920	3455	3455	3455	3455	3455	3455	1170	1170	1170	1170	2960
2	1155	1155	1155	1155	1150	1140	1140	1140	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	5465	4180	4180	3780	3780	1794
3	1135	1135	1130	1130	1125	1125	1125	1125	3080	5610	8515	8105	8270	8185	4705	4965	4665	4965	4665	4965	1150	1150	1150	1150	3514
4	1150	1150	1150	1150	1140	1135	1130	1130	4580	4665	4655	4705	4805	4805	4705	5430	4955	1155	1150	1150	1150	1150	1150	1150	2521
5	1150	1150	1150	1140	1140	1135	1135	1135	4920	4705	5005	1140	1135	1135	1140	1140	1140	1140	4510	5180	1170	1165	1155	1155	1920
6	1155	1155	1150	1140	1135	1135	1130	1130	4570	4605	4605	4615	4605	4605	4755	1150	1150	4770	4685	4530	4685	1165	1155	1155	2747
7	1155	1155	1155	1155	1150	1145	1140	1140	4705	5050	4995	4995	5115	5115	5120	1170	1175	1175	4480	5290	5290	1195	1185	1170	2768
8	1190	1190	1180	1170	1165	1160	1155	1150	1150	10525	10220	10250	1175	1175	1180	1185	1185	1185	1185	1190	1190	1190	1190	1190	2322
9	1190	1190	1180	1175	1170	1160	1155	1155	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	4705	4730	4730	1175	1175	1175	1607
10	1175	1175	1175	1165	1160	1160	1150	1150	1150	1150	5590	1160	1160	1160	1160	1160	1160	1160	3190	3795	1165	1165	1165	1165	1540
11	1165	1155	1155	1150	1150	1150	1150	1150	3770	4295	3810	3995	1460	1160	1160	1160	1160	2305	3205	3855	1170	1165	1165	1165	1884
12	1165	1165	1150	1150	1145	1140	1140	1140	4975	6715	6325	5175	3880	5075	4775	5115	5070	5115	6365	10205	6410	2690	1485	1175	3739
13	1170	1170	1165	1155	1150	1150	1150	6750	5950	6850	6830	6450	6870	6870	5190	5220	4805	4805	6510	6510	4080	1185	1175	1165	3972
14	1165	1165	1165	1165	1155	1155	1150	1150	7250	10145	10285	6515	5130	5960	3925	3230	3265	3925	7600	6515	1540	1195	1195	1195	3673
15	1185	1185	1185	1185	1175	1170	1165	1160	1160	1160	4480	3575	1180	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175	1175	1412
16	1180	1180	1170	1165	1160	1160	1150	1145	1140	1140	1140	1145	1145	1150	1150	1150	1150	1150	1150	4975	1150	1150	1150	1150	1312
17	1150	1150	1145	1140	1135	1130	1130	1130	1130	5130	8275	8075	8300	8300	5575	1150	1150	1150	5070	5115	1165	1160	1150	1150	3006
18	1155	1155	1155	1155	1150	1145	1145	1145	1145	7935	9050	8890	3880	1170	1180	1180	1180	8665	8775	8250	1205	1195	1195	1185	3137
19	1175	1170	1165	1160	1150	1145	1145	3765	3815	10145	10605	10250	9240	10250	2335	2305	2605	2605	10510	10685	7385	1165	1160	1160	4504
20	1155	1155	1150	1150	1140	1140	1140	1140	1140	8150	9310	7870	8880	8290	4425	1160	1155	1155	8645	8380	8840	1160	1160	1160	3752
21	1160	1160	1150	1150	1140	1140	1135	1135	10100	10505	10055	9475	10300	9730	9730	9775	9685	10280	10220	10205	7105	1165	1160	1160	5826
22	1160	1160	1150	1150	1150	1150	1150	1140	1140	11025	10685	9225	10805	10345	10235	9745	10205	10265	10205	10235	9620	10235	10235	10235	6819
23	1170	1160	1150	1150	1140	1140	1135	1135	10260	10930	10510	10600	10610	9515	10605	10060	9510	10055	11200	10610	10060	1160	1160	1160	6133
24	1150	1150	1140	1135	1130	1130	1130	9855	9900	9545	9435	10070	10015	9530	10060	9640	10190	9730	10065	4940	4520	4940	4520	1185	6088
25	1170	1170	1160	1150	1145	1140	1135	10230	9900	9580	10600	10060	9990	10510	10415	9835	8390	6560	7070	9605	10335	4950	4905	4870	6495
26	1165	1165	1160	1150	1140	1140	1140	4620	10310	9380	10035	10270	9505	9915	10500	9720	9990	9875	9510	10820	10810	5085	5050	1165	6443
27	1160	1160	1155	1150	1145	1140	1140	9740	9980	10060	10055	10060	10605	10055	5200	4730	4900	10270	10145	9745	10805	5220	1175	1170	5915
28	1170	1165	1160	1150	1140	1140	1140	10210	10935	10120	10145	10130	9665	10205	5385	4830	4900	11200	10220	9950	1195	1195	1195	1195	5448
29	1185	1180	1170	1170	1160	1150	1150	1140	1140	11150	10835	10220	5115	1160	1155	1155	1155	1155	1155	1165	1170	1170	1170	1170	2523
30	1170	1155	1150	1145	1140	1135	1135	1135	1135	1135	1125	1125	1125	1125	1125	1125	1125	5320	5350	4945	1130	1130	1130	1130	1644
31	1130	1130	1130	1130	1140	1140	1135	4830	10960	10300	4965	5385	5385	4965	5385	1140	1140	11380	10460	2665	1155	1160	1160	1160	3814
																						Monthly Average			3588

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

November 1988

Discharge, cfs

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	1160	1160	1150	1140	1135	1135	1135	7425	7000	6660	6660	9215	10510	9980	10065	9995	10490	10520	9585	9580	9980	9995	9785	10335	6908
2	5995	6795	6795	8450	10780	10495	9465	9995	10495	9990	10495	10890	11405	11105	11920	11045	11400	11050	11090	11120	11365	10700	11030	11620	10229
3	17835	16030	16260	16465	16695	16380	11850	12595	12780	13430	12620	13110	16310	16435	16905	13060	12270	12795	17005	16310	17100	16400	16400	17020	15169
4	9280	10670	10885	11635	10955	10965	10635	11175	11885	11175	11885	10635	11295	11225	11825	11835	9925	9990	9995	10495	9990	10080	10060	10065	10773
5	9125	9115	9000	8985	6350	5890	6280	6305	5935	11240	9745	9620	9685	10205	10235	10205	9620	9790	10160	9665	9665	10190	9695	9695	9017
6	10130	9590	10105	9245	10130	10120	10710	9565	10130	10055	9515	10600	11460	10980	11460	11455	10910	10975	11530	16225	20360	20360	20110	20110	12326
7	19865	20210	24405	24060	23715	23715	24580	19545	20530	19910	16315	16345	16915	16225	16900	16205	16400	16205	16205	16815	16205	16205	15295	15775	18689
8	16610	16980	19975	20450	19965	20355	20585	20355	20355	16330	16400	16305	16230	16105	16230	16685	11680	16105	15720	11185	10635	11185	11410	10635	16186
9	11690	11145	11175	11090	16910	16995	17420	17235	16330	11145	10855	12000	11255	11255	11200	10875	11690	11660	11475	10660	11445	11175	11175	11475	12472
10	11675	11675	11660	11705	11145	11175	11905	11820	11575	10370	11080	11895	10965	11010	10375	11090	10375	11620	10375	11405	11345	10895	10630	11365	11214
11	10270	10570	9840	9410	6115	4660	4660	4660	10320	11070	9990	9990	9980	10515	8995	9995	10500	9465	10510	9455	11035	9465	9980	9990	9227
12	5115	5625	5115	5115	5115	5115	8250	10310	9850	10305	10275	9765	10190	10350	10300	9890	10820	9790	10350	9850	10495	9980	10520	9965	8852
13	10710	10710	6410	6480	7330	7425	6365	6755	7195	7065	10510	9980	10510	6755	7300	6795	10060	10610	10205	10805	10235	10250	10235	10235	8789
14	6755	6755	6795	7185	6795	7185	9890	10350	10350	10890	11815	11245	11300	11530	11870	11800	11390	11800	11460	11390	12005	10980	11870	11460	10203
15	10970	16315	16330	16435	16330	16835	17700	16330	16330	16635	16820	11295	10635	11775	11935	11405	11285	10905	11185	11935	10635	11455	11285	10965	13489
16	10220	9810	9685	10235	10190	10235	10520	9510	10680	10065	10105	10170	10190	10235	11435	10505	10535	10205	10280	10190	10250	10805	9965	10475	10271
17	9885	10205	10235	10235	9620	10820	10870	10235	10495	9990	10505	11035	10495	9995	10510	9975	10510	9980	10510	10230	10250	10240	9720	10250	10283
18	5810	5470	5945	6420	5040	5380	10780	9915	9980	10520	10065	9515	10065	10615	9510	10150	10130	10145	10120	10130	10145	10155	10130	10145	9012
19	6870	7065	6685	6230	6645	6615	7135	10310	9890	10820	10310	10865	10360	10300	9620	8695	10780	9840	10360	10260	10350	11750	10320	11300	9307
20	12320	10810	11570	11265	11570	11245	11940	11455	11460	11530	11525	11390	10980	12075	10910	10980	11455	11460	11455	11530	11530	10570	14135	14135	11637
21	19015	19140	19615	23190	23100	22860	23450	20265	20265	19265	20265	20370	19760	19760	20635	23670	23810	27075	27690	27945	27255	27690	26865	27220	22924
22	27565	27525	27565	27535	28020	28015	27220	23580	24215	19790	19785	20745	20245	15995	15970	20610	20820	20110	20265	20610	20110	20110	24835	24290	22730
23	23230	23855	24320	23640	23760	23640	20220	20200	20105	20105	20155	20125	21025	20105	20210	20110	20720	20820	20210	20110	20470	20220	20110	20610	21170
24	21330	20720	20435	20185	20185	20545	19180	20435	20435	19435	20435	19935	19935	19935	21150	20435	20045	20190	18375	16345	16345	16345	16345	16345	19377
25	5980	16780	14690	16355	16250	16260	16370	12645	10830	11190	11690	11790	11360	11175	12275	11790	11090	11605	11175	11130	11705	11660	10835	11360	12416
26	11445	11360	11300	11360	11255	11425	10735	10285	10985	9685	9820	9805	10335	10285	10985	10275	10995	10285	10275	9745	10935	9685	9205	6450	10371
27	7185	8440	8440	8440	8495	9035	8585	9125	8665	8765	8165	9920	9845	9915	10535	10455	9925	10455	10455	10455	10535	9915	9845	9845	9393
28	4790	4940	5340	4685	4685	5050	9565	10135	10605	10520	9450	10505	9990	9980	10495	10520	10370	10170	10350	10780	9830	10980	11530	11525	9033
29	12005	10840	12420	12005	11390	11940	16055	16830	17405	16055	16735	16620	16160	16055	11175	11175	11090	11745	11620	11690	11745	11090	11745	11690	13220
30	11675	11190	11705	11660	11175	11620	10200	11475	11675	11160	11790	11975	10560	11790	11675	11690	11190	11745	11630	11790	11700	11585	11790	11585	11501
																								Monthly Average	12540

Connecticut River Discharge

at Vernon Station, Vernon, Vermont

December 1989

Day	Discharge, cfs 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily Average
1	11175	10560	11685	11175	11175	11145	11690	11175	11960	11805	10560	11075	12375	11185	12005	11460	11865	11530	11940	11530	11940	11980	11560	10980	11480
2	11505	11590	11555	11655	11050	11495	11865	11075	12135	11075	11370	11555	10145	10060	11150	11155	10605	10610	10055	10610	10605	10605	10060	10610	11008
3	10055	10145	10610	10610	10605	10060	11155	11420	9790	10600	9515	11155	10605	10060	10605	11155	10605	10060	10060	10100	10605	10605	10065	10055	10429
4	8685	8625	8235	8685	8760	8760	8965	8610	8555	8760	8505	10035	10930	10390	10470	10440	10390	9935	10405	10390	10440	10390	9900	10440	9571
5	6705	7000	6660	7000	7135	7610	10495	10605	10030	10250	10235	10205	9715	10205	10265	9665	10160	10280	10820	9650	10775	10280	5055	4760	8982
6	5225	5035	5085	5545	5085	5085	11275	10505	9415	10285	10340	9860	10525	10385	9425	9995	9910	9420	9710	10165	9090	4940	5615	1195	8046
7	1185	1180	1180	1175	1170	1165	5095	10605	9565	10720	9160	10775	9620	9955	10885	9685	10335	9820	10285	10470	4830	5200	1170	1170	6517
8	1145	1145	1140	1135	1135	1135	8825	9590	10930	9685	4875	7495	9385	8370	8840	10520	10490	9465	9990	9975	10505	9980	9990	4840	7108
9	4675	4640	4955	4955	4340	4070	3500	3775	9510	9620	10820	9685	9780	9965	10385	9915	9845	10525	9845	10455	9360	10455	10595	5080	7948
10	1180	1170	1165	1165	1155	1150	1140	1140	9260	9985	10265	9620	10335	9685	11610	10440	10450	9640	10250	9705	10305	10105	10225	5080	6926
11	1195	1185	1175	1170	1160	1155	1150	1150	1145	1145	9860	9510	9925	1165	1155	1150	1150	4685	4940	4975	5200	1165	1155	1155	2868
12	1155	1155	1150	1150	1140	1140	1140	10125	9995	9780	9780	10045	9425	9915	9695	10250	9205	9755	10455	9835	9625	1205	1195	1170	6229
13	1175	1170	1160	1160	1160	1160	1160	4910	9545	10160	9150	5080	1175	1160	1160	1160	10890	10370	9545	9620	5025	1185	1180	1180	4193
14	1170	1170	1170	1160	1160	1155	1155	4790	4805	4830	1160	1160	1150	1150	1150	5120	10275	8955	10990	4925	4960	1170	1165	1165	3211
15	1155	1155	1150	1150	1140	1140	1140	4715	5160	5200	1150	1145	1140	1140	1140	4365	10345	9725	9845	9845	10150	4870	1170	1165	3763
16	1165	1165	1160	1150	1140	1140	5480	10140	10345	5195	1160	1150	5115	4730	4730	9700	9780	10035	10035	9910	10170	9910	4530	1170	5425
17	1185	1170	1165	1160	1150	1150	1140	1140	1140	5050	10840	4790	1165	1155	1150	4395	9585	9740	9880	9845	4915	1175	1170	1170	3601
18	1160	1160	1145	1145	1145	1145	1135	1135	1135	1135	1135	1135	1135	1135	1135	1135	4620	10500	9580	10055	4730	5070	1150	1145	2713
19	1140	1135	1135	1135	1135	1135	1135	5050	10545	10600	5115	5115	1145	1140	1140	4965	4675	10600	9920	10340	4910	1165	1150	1145	4028
20	1145	1145	1145	1145	1140	1140	1140	4650	8370	8440	7915	4705	5255	1150	1140	1140	3140	8430	8525	7585	2330	1155	1150	1150	3510
21	1150	1150	1140	1140	1140	1140	1140	9115	7920	7300	6865	8420	5200	5200	5590	5115	8510	8735	8780	9305	8705	1170	1160	1150	4843
22	1155	1155	1150	1150	1140	1135	1135	7795	9975	9595	9045	9670	8580	8035	7330	7330	10345	9800	9845	9845	9845	1205	1185	1180	5776
23	1165	1155	1150	1150	1145	1140	1140	5030	10280	9105	9185	9185	5620	3525	3500	3485	3485	9550	4685	3130	2665	3085	2640	1150	4056
24	1150	1150	1145	1140	1135	1135	1135	1135	5905	10055	9565	9240	6090	1165	1135	1135	5910	9405	9100	5500	4015	1150	1145	1145	3783
25	1140	1140	1140	1140	1140	1140	1140	1140	1140	4440	7765	8130	8340	4730	4390	4375	6795	10700	9745	9685	10400	9800	1180	1170	4663
26	1160	1160	1155	1155	1150	1150	1150	1150	1150	6420	9735	10055	6870	6005	5715	5825	10335	9920	9780	10535	9925	1190	1180	1175	4794
27	1155	1155	1150	1150	1150	1150	1145	3940	6615	10005	9860	6480	5295	5260	5540	6815	11310	9010	10455	9420	6715	3650	1195	1190	5034
28	1175	1175	1165	1165	1165	1165	1165	7400	7490	8035	8090	8705	4625	4060	3925	3925	9800	8660	9915	9350	1195	1185	1180	1180	4454
29	1165	1165	1160	1160	1160	1160	1160	3795	8420	9125	8170	3955	1160	1155	1155	8030	9760	10590	9910	9185	9495	1210	1205	1195	4402
30	1195	1195	1180	1170	1160	1160	1160	3470	8890	7920	8055	8520	8030	8030	10045	9495	9980	10035	9910	9420	10520	6835	1225	1205	5825
31	1195	1185	1180	1170	1170	1170	1170	1170	1170	1170	4810	8515	7985	3925	1170	1170	10600	9800	9850	9850	6130	1185	1175	1175	3712
																						Monthly Average			5771

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Vernon Fishway

May 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1											FISHWAY INOPERATIVE														
2											FISHWAY INOPERATIVE														
3											FISHWAY INOPERATIVE														
4											FISHWAY INOPERATIVE														
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15											FISHWAY INOPERATIVE														
16											FISHWAY INOPERATIVE														
17											FISHWAY INOPERATIVE														
18											FISHWAY INOPERATIVE														
19											FISHWAY INOPERATIVE														
20	FISHWAY INOPERATIVE									60.0	60.2	60.2	60.6	61.0	61.1	61.7	62.3	62.6	62.5	62.3	61.2	60.8	60.6	60.1	61.1
21	60.1	60.2	60.5	60.4	61.0	61.1	61.0	61.4	60.8	60.6	60.6	62.1	63.1	63.1	63.4	63.5	62.6	62.3	62.0	62.0	61.9	61.1	60.7	61.0	61.5
22	62.2	63.3	63.4	62.9	63.1	63.0	63.1	63.3	63.6	62.9	63.3	63.6	63.3	63.9	63.6	61.0	61.0	61.0	61.2	61.8	61.3	60.9	60.7	60.6	62.4
23	61.7	62.9	62.7	63.5	63.8	63.6	62.8	61.1	61.2	61.5	61.8	61.9	62.1	62.2	62.3	62.3	62.5	62.3	62.0	61.8	61.7	61.7	61.8	62.0	62.2
24	62.1	62.3	62.5	62.7	62.9	63.1	63.2	63.3	63.4	63.7	63.8	63.7	63.7	63.6	63.6	63.6	63.6	63.5	63.5	63.6	63.6	63.7	63.8	63.9	63.4
25	64.0	64.0	64.7	66.0	66.5	66.2	66.1	65.8	64.2	63.0	62.9	62.9	62.9	62.8	62.8	62.8	62.8	62.7	62.6	62.5	62.4	62.3	62.3	62.2	63.6
26	62.2	62.0	61.9	61.8	61.7	61.5	61.3	61.2	61.0	61.0	61.0	61.0	61.0	60.9	60.8	61.0	60.9	61.0	60.9	61.0	61.0	61.0	61.2	61.0	61.2
27	60.9	60.8	60.7	60.8	60.7	60.6	60.5	60.5	61.0	62.3	61.9	61.2	61.1	61.4	61.0	61.2	61.9	62.6	61.9	61.9	61.5	61.3	62.1	60.9	61.3
28	60.9	60.7	60.6	60.5	60.5	60.5	60.5	60.5	60.7	61.4	61.5	65.1	66.0	64.6	64.6	65.0	65.0	64.8	64.1	65.7	65.0	64.8	65.3	64.9	63.0
29	63.5	62.9	63.6	64.1	64.2	64.2	64.5	64.0	62.9	62.9	63.1	63.1	63.5	63.7	65.7	66.9	66.6	67.3	66.5	67.2	67.4	67.3	66.8	66.3	64.9
30	66.4	66.2	66.0	66.1	66.0	65.6	65.4	65.3	65.2	65.3	65.1	65.2	64.8	65.2	65.5	65.7	66.1	68.2	68.9	69.3	67.5	68.6	68.0	66.5	66.3
31	65.7	65.9	65.7	65.6	65.4	65.1	65.0	65.0	65.2	66.1	67.9	66.7	66.3	66.6	66.9	67.0	67.2	67.3	67.5	67.6	67.5	67.4	67.4	67.6	66.5

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Vernon Fishway

June 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	67.5	67.8	67.5	67.2	67.1	67.0	66.9	66.7	66.9	66.8	66.9	66.9	67.0	67.0	67.1	67.1	67.3	68.8	69.6	69.6	67.5	68.5	66.8	66.6	67.4
2	66.9	66.8	66.3	66.4	66.2	66.0	65.7	64.9	64.8	65.4	65.3	65.4	65.7	65.8	65.9	66.1	67.4	67.8	67.4	66.5	66.3		66.6	66.4	66.2
3	66.2	66.0	65.8	65.6	65.4	65.3	65.2	65.2	65.1	65.4	65.9	66.3	65.1	66.3	67.9	67.8	66.8	66.6	66.8	66.8	67.0	66.2	65.8	65.8	66.1
5	63.1	62.9	62.7	62.6	62.5	62.5	62.4	62.4	62.5	62.3	64.8	66.0	64.8	65.3	65.0	66.1	66.2	66.3	65.8	65.5	65.1	64.5	64.3	63.9	64.1
6	64.2	64.7	64.0	63.5	63.3	63.0	62.9	63.1	62.9	63.5	63.5	62.9	63.1	64.5	64.1	64.3	64.3	65.1	65.7	65.6	65.1	64.8	64.6	64.2	64.0
7	64.0	63.9	63.8	63.8	63.8	63.8	63.8	63.8	63.9	65.4	64.7	64.6	65.2	65.8	66.2	66.5	66.1	66.0	66.4	66.4	66.4	66.2	65.8	65.6	65.1
8	65.4	65.3	65.0	64.8	64.6	64.5	64.4	64.4	64.6	64.9	65.6	66.6	66.3	65.8	65.9	66.1	66.1	66.1	66.1	66.5	66.7	66.8	66.8	66.5	65.7
9	66.2	66.0	65.9	65.8	65.8	65.6	65.5	65.4	65.4	65.6	65.3	65.2	64.9	65.8	66.3	66.5	66.4	66.5	66.2	65.9	65.7	65.5	65.4	65.2	65.8
10	65.1	65.0	65.0	65.0	64.9	65.1	65.1	65.1	65.0	64.9	64.6	64.7	65.7	66.8	67.1	66.9	67.1	67.4	67.2	67.1	67.1	67.0	66.9	66.8	65.9
11	66.6	66.4	66.1	66.0	65.8	65.7	65.7	65.7	65.8	66.2	66.1	66.8	67.6	68.6	67.7	66.6	66.5	67.2	67.3	68.0	68.1	68.1	68.1	67.9	66.9
12	67.6	67.2	67.1	66.9	66.8	66.7	66.6	66.6	66.8	66.9	66.9	67.3	69.2	68.7	67.8	67.0	67.1	67.3	68.3	68.1	70.8	72.1	72.3	71.3	68.1
13	71.0	70.4	70.2	69.9	69.1	68.9	68.7	68.9	68.9	69.6	69.9	70.9	71.9	71.0	71.3	72.0	71.7	71.2	72.4	71.3	70.8	70.7	70.2	69.2	70.4
14	69.5	69.9	69.6	69.0	68.9	68.5	68.4	68.3	68.7	70.0	70.4	70.1	71.3	72.2	71.2	70.8	71.7	72.7	72.8	72.7	71.8	71.2	71.1	70.5	70.5
15	70.2	70.2	70.3	70.3	70.1	70.0	69.4	69.4	69.8	70.4	71.5	72.1	72.9	74.0	72.2	72.3	73.0	73.5	72.8	72.1	72.4	72.7	72.5	72.4	71.5
16	72.3	72.4	72.4	72.2	72.0	71.9	71.5	71.4	71.5	71.7	72.5	73.2	74.1	74.2	74.0	73.4	73.5	73.8	73.5	73.4	74.0	74.0	73.7		72.9
17	73.9	73.9	73.7	73.6	73.5	73.3	73.1	72.9	72.6	72.3	72.0	71.8	71.8	71.7	72.2	72.6	72.7	72.7	72.5	72.4	72.3	72.2	72.0	72.0	72.6
18	72.0	71.9	71.9	71.8	71.8	71.7	71.7	71.7	71.7	71.9	72.1	72.4	74.0	74.7	74.1	73.9	73.3	73.0	72.8	72.8	73.0	73.0	72.8	72.6	72.6
19	72.4	72.3	72.1	72.0	72.0	72.0	72.0	72.0	72.2	72.4	72.8	73.6	74.1	73.4	72.9	72.8	72.7	72.8	72.7	72.8	73.6	74.3	74.6	74.5	72.9
20	74.5	74.5	74.5	74.3	74.0	73.7	73.2	73.0	73.0	73.2	73.3	74.5	75.0	75.1	76.2	76.9	77.5	77.0	76.8	76.8	76.7	76.2	75.5	75.3	75.0
21	75.6	75.7	75.6	75.3	74.8	74.8	74.8	75.0	75.2	75.6	75.7	76.7	77.3	77.4	77.1	77.7	78.9	79.1	78.4	78.2	78.4	78.1	77.9	77.7	76.7
22	77.4	77.1	76.9	76.8	76.5	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.6	77.5	77.9	78.0	77.0	76.0	76.3	77.0	76.6	76.6	76.6	76.7
23	76.5	76.0	75.8	75.8	75.6	75.7	75.8	75.8	75.8	75.8	75.9	76.0	76.4	76.4	76.4	76.7	76.9	76.9	76.8	76.8	76.3	75.9	75.7	75.4	76.1
24	75.3	75.1	75.0	74.9	74.8	74.7	74.6	74.6	74.8		75.0	74.9	75.3	75.6	75.8	76.0	76.3	76.5	76.7	76.8	76.9	76.7	76.3	76.0	75.6
25	75.9	75.7	75.5	75.4	75.3	75.1	74.9	74.6	74.5	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.4	74.3	74.2	74.1	73.9	73.8	73.8	74.6
26	73.7	73.7	73.5	73.5	73.4	73.3	73.3	73.3	73.3	73.4	73.5	73.6	73.7	73.8	74.1	74.3	74.4	74.4	74.4	74.3	74.2	74.0	74.0	73.9	73.8
27	73.8	73.6	73.5	73.4	73.3	73.1	73.0	73.0	73.1	73.2	73.2	73.5	73.8	73.9	74.1	74.3	74.4	74.6	74.6	74.6	74.4	74.3	74.2	74.2	73.8
28	74.1	74.0	74.0	73.9	73.8	73.7	73.7	73.7	73.7	73.8	74.1	74.4	74.5	74.5	75.3	75.5	76.0	76.1	75.8	75.4	76.0	75.8	75.8	75.6	74.7
29	75.5	75.3	75.0	74.7	74.6	74.4	74.2	74.1	74.0	74.1	74.2	74.2	74.6	74.8	74.4	74.0	73.9	74.0	74.5	75.2	75.5	75.6	75.5	75.3	74.7
30	75.0	74.7	74.4	74.2	74.0	73.9	73.8	73.6	73.6	73.5	73.4	73.3	73.2	73.0	73.0	72.9	72.9	72.9	72.8	72.6	72.5	72.5	72.4	72.3	73.4

AVERAGE HOURLY TEMPERATURE IN DEGREES F

Vernon Fishway

July 1988

DAY	HOUR 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DAILY AVERAGE
1	72.2	72.1	72.0	71.9	71.8	71.7	71.7	71.6	71.7	71.7	71.6	71.5	71.7	72.2	72.5	72.5	72.6	72.6	72.5	72.3	72.0	71.9	71.7	71.5	72.0
2	71.4	71.3	71.2	71.1	71.0	70.9	70.8	70.7	70.6	70.6	70.6	70.5	70.3	70.2	70.3	70.5	70.8	70.8	70.8	70.7	70.6	70.5	70.4	70.4	70.7
3	70.5	70.4	70.4	70.3	70.3	70.2	70.2	70.2	70.4	70.7	71.4	71.9	72.0	72.5	72.2	72.6	72.7	72.7	72.8	72.6	SYSTEM INOPERATIVE				71.3
4	71.6	71.4	71.3	71.2	71.1	71.0	70.9	70.9	71.0	71.3	71.4	71.7	73.9	74.1	73.7	73.7	73.8	74.1	74.0	SYSTEM INOPERATIVE					72.2
5	SYSTEM INOPERATIVE						71.9	71.9	71.9	72.1	72.6	73.3	73.2	FISHWAY INOPERATIVE											72.4
6	FISHWAY INOPERATIVE																								
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31	FISHWAY INOPERATIVE																								

Appendix B

Phytoplankton

DATE : April 12, 1988 8:43
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11345

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	3	dead
Oscillatoria sp.	1	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	dead
Zygnematales		
Zygnemataceae		
Spirogyra sp.	1	dead
Spirogyra sp.	3	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	4	dead
Fragilariales		
Fragilariaceae		
Asterionella formosa	1	dead
Fragilaria sp.	11	dead
Fragilaria sp.	19	live
Tabellaria sp.	1	dead
Tabellaria sp.	1	live
Coscinodiscales		
Coscinodiscaceae		
Melosira varians	4	live

DATE : April 12, 1988 8:47
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11346

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	2	dead
Oscillatoria sp.	10	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	dead
Pediastrum duplex	3	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	1	dead
Indeterminate	1	live
Fragilariales		
Fragilariaceae		
Fragilaria sp.	6	dead
Fragilaria sp.	33	live
Tabellaria sp.	5	live
Surirellales		
Surirellaceae		
Surirella ovalis	1	dead
Coscinodiscales		
Coscinodiscaceae		
Melosira varians	10	live

DATE : April 12, 1988 9:10
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11347

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	1	dead
Oscillatoria sp.	100	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	7	dead
Zygnematales		
Zygnemataceae		
Spirogyra sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Fragilaria sp.	9	dead
Fragilaria sp.	21	live
Tabellaria sp.	4	dead
Tabellaria sp.	2	live
Surirellales		
Surirellaceae		
Surirella ovalis	1	dead
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	3	dead
Melosira sp.	4	live

DATE : April 12, 1988 9:20
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11348

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	1	dead
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	103	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Zygnematales		
Zygnemataceae		
Spirogyra sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	1	dead
Fragilariales		
Fragilariaceae		
Fragilaria sp.	10	dead
Fragilaria sp.	7	live
Tabellaria sp.	1	dead
Tabellaria sp.	1	live
Coscinodiscales		
Coscinodiscaceae		
Melosira varians	1	live
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Ceratiaceae		
Ceratium hirundinella	1	dead

DATE : May 12, 1988 10:50
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11379

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	70	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Indeterminate	3	live
Volvocales		
Volvocaceae		
Pandorina sp.	1	live
Chlorococcales		
Oocystaceae		
Kirchneriella sp.	4	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	5	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	1	dead
Dinobryon sp.	2	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	12	dead
Asterionella formosa	7	live
Fragilaria sp.	11	dead
Fragilaria sp.	90	live
Tabellaria sp.	2	dead
Tabellaria sp.	4	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	11	dead
Melosira sp.	12	live

DATE : May 12, 1988 11:00
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11380

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	1	live
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	121	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Volvocales		
Volvocaceae		
Eudorina sp.	1	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	3	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	7	dead
Fragilaria sp.	1	dead
Fragilaria sp.	56	live
Tabellaria sp.	2	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	1	dead
Melosira sp.	6	live

DATE : May 12, 1988 11:10
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11381

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	104	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Oocystaceae		
Kirchneriella sp.	2	live
Hydrodictyaceae		
Pediastrum duplex	1	dead
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	1	dead
Dinobryon sp.	4	live
Synuraceae		
Synura uvella	3	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	2	live
Fragilariales		
Fragilariaceae		
Asterionella formosa	11	dead
Asterionella formosa	8	live
Fragilaria sp.	5	dead
Fragilaria sp.	33	live
Synedra sp.	3	live
Tabellaria sp.	3	live
Surirellales		
Surirellaceae		
Surirella ovalis	1	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	30	live

DATE : May 12, 1988 11:25
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11382

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	2	live
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	101	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Volvocales		
Volvocaceae		
Eudorina sp.	1	live
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	dead
Zygnematales		
Zygnemataceae		
Spirogyra sp.	4	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	2	dead
Dinobryon sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	2	live
Fragilariales		
Fragilariaceae		
Asterionella formosa	14	dead
Asterionella formosa	8	live
Fragilaria sp.	6	dead
Fragilaria sp.	43	live
Synedra sp.	1	dead
Tabellaria sp.	5	dead
Tabellaria sp.	3	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	1	dead
Melosira sp.	14	live
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Ceratiaceae		
Ceratium hirundinella	1	dead

DATE : June 13, 1988 11:50
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11509

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	31	live
Oscillatoriaceae		
Oscillatoria sp.	13	dead
Oscillatoria sp.	18	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Indeterminate	5	live
Volvocales		
Volvocaceae		
Pandorina sp.	2	live
Chlorococcales		
Oocystaceae		
Kirchneriella sp.	3	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	1	dead
Spirogyra sp.	5	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	16	dead
Dinobryon sp.	26	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	60	dead
Fragilaria sp.	4	dead
Synedra sp.	4	live
Tabellaria sp.	3	dead
Naviculales		
Cymbellaceae		
Cymbella sp.	1	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	1	live

DATE : June 13, 1988 12:01
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11510

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	23	live
Oscillatoriaceae		
Oscillatoria sp.	13	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Indeterminate	3	live
Volvocales		
Volvocaceae		
Pandorina sp.	1	live
Chlorococcales		
Oocystaceae		
Kirchneriella sp.	1	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	8	dead
Dinobryon sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	2	live
Fragilariales		
Fragilariaceae		
Asterionella formosa	40	dead
Fragilaria sp.	1	live
Tabellaria sp.	1	dead
Tabellaria sp.	2	live

DATE : June 13, 1988 12:16
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11511

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	1	live
Oscillatoriaceae		
Oscillatoria sp.	43	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Indeterminate	1	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	3	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	1	dead
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	30	dead
Asterionella formosa	30	live
Fragilaria sp.	10	live
Synedra sp.	6	live
Tabellaria sp.	3	dead
Tabellaria sp.	2	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	7	dead
Melosira sp.	9	live

DATE : June 13, 1988 12:26
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11512

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	160	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Indeterminate	2	live
Volvocales		
Volvocaceae		
Eudorina sp.	2	live
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	dead
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	15	dead
Asterionella formosa	4	live
Fragilaria sp.	3	live
Synedra sp.	3	live
Tabellaria sp.	8	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	2	dead
Melosira sp.	2	live

DATE : July 13, 1988 13:56
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11656

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	1	dead
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	8	live
CHLOROPHYCOPHYTA		
Indeterminate	2	live
Chlorophyceae		
Oedogoniales		
Oedogoniaceae		
Bulbochaeta sp.	1	live
Tetrasporales		
Tetrasporaceae		
Tetraspora sp.	2	live
BACILLARIOPHYCOPHYTA		
Indeterminate	2	live
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	8	dead
Fragilaria sp.	5	dead
Fragilaria sp.	6	live
Synedra sp.	3	dead
Synedra sp.	4	live
Tabellaria sp.	30	dead
Tabellaria sp.	345	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	2	dead
Melosira sp.	3	live
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Ceratiaceae		
Ceratium hirundinella	1	dead

DATE : July 13, 1988 14:00
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11657

Organism	Number	Remarks
CHLOROPHYCOPHYTA		
Chlorophyceae		
Zygnematales		
Zygnemataceae		
Mougeotia sp.	1	live
Tetrasporales		
Tetrasporaceae		
Tetraspora sp.	1	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	2	dead
BACILLARIOPHYCOPHYTA		
Indeterminate	30	live
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella sp.	8	dead
Fragilaria sp.	1	dead
Fragilaria sp.	24	live
Synedra sp.	5	dead
Synedra sp.	4	live
Tabellaria sp.	241	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	4	dead

DATE : July 13, 1988 14:20
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11658

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	76	live
CHLOROPHYCOPHYTA		
Indeterminate	7	dead
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	live
Tetrasporales		
Tetrasporaceae		
Tetraspora sp.	2	dead
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	2	dead
Dinobryon sp.	2	live
BACILLARIOPHYCOPHYTA		
Indeterminate	8	dead
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	15	dead
Fragilaria sp.	15	live
Synedra sp.	14	dead
Synedra sp.	1	live
Tabellaria sp.	162	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	34	dead
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Ceratiaceae		
Ceratium hirundinella	1	dead

DATE : July 13, 1988 14:35
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11659

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	63	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum sp.	1	live
Pediastrum duplex	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	8	dead
Asterionella formosa	1	live
Fragilaria sp.	2	dead
Fragilaria sp.	18	live
Synedra sp.	3	dead
Synedra sp.	8	live
Tabellaria sp.	214	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	18	dead

DATE : August 24, 1988 15:25
LOCATION : Vermont Yankee Intake
METHOD : Surface grab, 0.25 liters
SAMPLE : 11776
CONVERSION FACTOR : 2657/liter

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Microcystis sp.	52	
Nostocales		
Nostocaceae		
Anabaena sp.	2	
Aphanizomenon flos-aquae	7	
Oscillatoriaceae		
Lyngbya sp.	13	
Phormidium sp.	1	
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Chlorococcaceae		
Tetraedron minimum	6	
Palmellaceae		
Gloeocystis sp.	4	
Sphaerocystis Schroeteri	3	
Oocystaceae		
Ankistrodesmus convolutus	11	
Ankistrodesmus falcatus	17	
Selenastrum minutum	7	
Treubaria sp.	4	
Micractinaceae		
Micractinium pusillum	13	
Dictyosphaeriaceae		
Dictyosphaerium pulchellum	1	
Scenedesmaceae		
Coelastrum sp.	1	
Crucigenia quadrata	1	
Scenedesmus sp.	6	
Coccomyxaceae		
Elakatothrix viridis	1	
Tetrasporales		
Tetrasporaceae		
Tetraspora sp.	1	
EUGLENOPHYCOPHYTA		
Euglenophyceae		
Euglenales		
Euglenaceae		
Euglena sp.		outside grid
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	4	
Synuraceae		
Mallomonas sp.	3	
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	41	
Fragilariales		
Fragilariaceae		
Fragilaria crotonensis	3	
Synedra sp.	21	
Synedra ulna		outside grid
Tabellaria fenestrata	1	
Rhizosoleniales		
Rhizosoleniaceae		
Rhizosolenia sp.	27	

(CONTINUED)

DATE : August 24, 1988 15:25
LOCATION : Vermont Yankee Intake
METHOD : Surface grab, 0.25 liters
SAMPLE : 11776
CONVERSION FACTOR : 2657/liter

Organism	Number	Remarks
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Glenodinaceae		
Glenodinium sp.	4	
CRYPTOPHYCOPHYTA		
Cryptophyceae		
Cryptomonadales		
Cryptomonadaceae		
Chroomonas sp.	100	
Cryptomonas ovata	13	

DATE : August 24, 1988 15:25
LOCATION : Vermont Yankee Intake
METHOD : Surface grab, 0.25 liters
SAMPLE : 11777
CONVERSION FACTOR : 2854/liter

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Microcystis sp.	32	
Nostocales		
Nostocaceae		
Anabaena sp.	1	
Aphanizomenon flos-aquae	1	
Oscillatoriaceae		
Lyngbya sp.	9	
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Chlorococcaceae		
Schroederia sp.	1	
Tetraedron minimum	2	
Palmellaceae		
Sphaerocystis Schroeteri	2	
Oocystaceae		
Ankistrodesmus convolutus	6	
Ankistrodesmus falcatus	9	
Oocystis sp.	1	
Selenastrum minutum	6	
Treubaria sp.	1	
Treubaria sp.		outside grid
Micractinaceae		
Micractinium pusillum	20	
Dictyosphaeriaceae		
Dictyosphaerium pulchellum	1	
Scenedesmaceae		
Coelastrum sp.	1	
Crucigenia quadrata	1	
Scenedesmus sp.	3	
Scenedesmus quadricauda		outside grid
Hydrodictyaceae		
Pediastrum duplex var. gracilimum	1	
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	2	
Dinobryon bavaricum		outside grid
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	48	
Fragilariales		
Fragilariaceae		
Fragilaria crotonensis	2	
Synedra sp.	23	
Synedra ulna	2	
Rhizosoleniales		
Rhizosoleniaceae		
Rhizosolenia sp.	12	
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Glenodinaceae		
Glenodinium sp.	1	

(CONTINUED)

DATE : August 24, 1988 15:25
LOCATION : Vermont Yankee Intake
METHOD : Surface grab, 0.25 liters
SAMPLE : 11777
CONVERSION FACTOR : 2854/liter

Organism	Number	Remarks
CRYPTOPHYCOPHYTA		
Cryptophyceae		
Cryptomonadales		
Cryptomonadaceae		
Chroomonas sp.	101	
Cryptomonas ovata	10	

DATE : September 14, 1988 12:09
LOCATION : Vermont Yankee Intake
METHOD : Grab sample, 0.25 liters
SAMPLE : 11825
CONVERSION
FACTOR : 3380/liter

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	2	
Anabaena planctonica	26	
Oscillatoriaceae		
Lyngbya sp.		outside grid
CHLOROPHYCOPHYTA		
Chlorophyceae		
Volvocales		
Chlamydomonaceae		
Chlamydomonas sp.	1	
Chlorococcales		
Chlorococcaceae		
Schroederia sp.	3	
Palmellaceae		
Gloeocystis gigas	1	
Sphaerocystis Schroeteri		outside grid
Oocystaceae		
Ankistrodesmus convolutus	7	
Ankistrodesmus falcatus	5	
Quadrigula sp.	1	
Selenastrum sp.	3	
Scenedesmaceae		
Crucigenia quadrata	1	
Scenedesmus sp.	1	
Scenedesmus arcuatus	1	
Scenedesmus quadricauda		outside grid
Hydrodictyaceae		
Pediastrum Boryanum	1	
Pediastrum simplex		outside grid
EUGLENOPHYCOPHYTA		
Euglenophyceae		
Euglenales		
Euglenaceae		
Phacus sp.	1	
Trachelomonas sp.	2	
CHRYSOPHYCOPHYTA		
Indeterminate		outside grid
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	16	
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	18	
Fragilariales		
Fragilariaceae		
Asterionella formosa	1	
Fragilaria crotonensis	1	
Synedra sp.	4	
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	1	
Rhizosoleniales		
Rhizosoleniaceae		
Rhizosolenia sp.	1	

(CONTINUED)

DATE : September 14, 1988 12:09
LOCATION : Vermont Yankee Intake
METHOD : Grab sample, 0.25 liters
SAMPLE : 11825
CONVERSION FACTOR : 3380/liter

Organism	Number	Remarks
CRYPTOPHYCOPHYTA		
Cryptophyceae		
Cryptomonadales		
Cryptomonadaceae		
Chroomonas sp.	165	
Cryptomonas sp.	1	
Cryptomonas ovata	34	

DATE : September 14, 1988 12:10
LOCATION : Vermont Yankee Intake
METHOD : Grab sample, 0.25 liters
SAMPLE : 11826
CONVERSION
FACTOR : 3380/liter

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	1	
Nostocales		
Nostocaceae		
Anabaena sp.	1	
Anabaena planctonica	22	
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Chlorococcaceae		
Schroederia sp.	1	
Tetraedron caudatum var. longispinum	1	
Oocystaceae		
Ankistrodesmus convolutus	4	
Ankistrodesmus falcatus	10	
Selenastrum sp.	3	
Selenastrum minutum	2	
Micractinaceae		
Micractinium pusillum	2	
Dictyosphaeriaceae		
Dictyosphaerium sp.	1	
Scenedesmaceae		
Scenedesmus dimorphus		outside grid
Scenedesmus quadricauda	2	
EUGLENOPHYCOPHYTA		
Euglenophyceae		
Euglenales		
Euglenaceae		
Trachelomonas sp.	5	
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	26	
Dinobryon bavaricum	9	
Dinobryon divergens	7	
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	18	
Fragilariales		
Fragilariaceae		
Fragilaria crotonensis		outside grid
Synedra sp.	2	
Rhizosoleniales		
Rhizosoleniaceae		
Rhizosolenia sp.	2	
Biddulphiales		
Chaetoceraceae		
Attheya sp.	1	
PYRROPHYCOPHYTA		
Dinophyceae		
Peridiniales		
Glenodinaceae		
Glenodinium sp.		outside grid

(CONTINUED)

DATE : September 14, 1988 12:10
LOCATION : Vermont Yankee Intake
METHOD : Grab sample, 0.25 liters
SAMPLE : 11826
CONVERSION FACTOR : 3380/liter

Organism	Number	Remarks
CRYPTOPHYCOPHYTA		
Cryptophyceae		
Cryptomonadales		
Cryptomonadaceae		
Chroomonas sp.	146	
Cryptomonas ovata	33	

DATE : October 17, 1988 12:35
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11969

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	5	dead
Gomphosphaeria sp.	6	live
Nostocales		
Nostocaceae		
Anabaena sp.	18	live
Oscillatoriaceae		
Oscillatoria sp.	1	dead
Oscillatoria sp.	1	live
CHLOROPHYCOPHYTA		
Indeterminate	7	live
Chlorophyceae		
Chlorococcales		
Oocystaceae		
Ankistrodesmus sp.	1	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	2	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	7	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Fragilaria sp.	8	dead
Fragilaria sp.	25	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	9	dead
Melosira sp.	77	live

DATE : October 17, 1988 12:40
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11970

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	2	dead
Gomphosphaeria sp.	3	live
Nostocales		
Nostocaceae		
Anabaena sp.	2	live
Oscillatoriaceae		
Oscillatoria sp.	1	dead
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Oocystaceae		
Ankistrodesmus sp.	1	dead
Zygnematales		
Zygnemataceae		
Spirogyra sp.	2	dead
Spirogyra sp.	1	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	5	dead
Dinobryon sp.	9	live
BACILLARIOPHYCOPHYTA		
Indeterminate	1	dead
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	5	dead
Fragilaria sp.	15	dead
Fragilaria sp.	15	live
Synedra sp.	4	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	55	dead
Melosira sp.	44	live
RHODOPHYCOPHYTA		
Rhodophyceae		
Nemalionales		
Batrachospermaceae		
Batrachospermum sp.	1	dead

DATE : October 17, 1988 12:50
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11971

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	1	dead
Gomphosphaeria sp.	4	live
Nostocales		
Nostocaceae		
Anabaena sp.	1	dead
Oscillatoriaceae		
Oscillatoria sp.	22	dead
Oscillatoria sp.	7	live
CHLOROPHYCOPHYTA		
Indeterminate	1	live
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum duplex	1	live
Zygnematales		
Zygnemataceae		
Spirogyra sp.	5	dead
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	3	dead
BACILLARIOPHYCOPHYTA		
Indeterminate	1	dead
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	2	dead
Fragilaria sp.	22	dead
Fragilaria sp.	21	live
Synedra sp.	2	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	28	dead
Melosira sp.	26	live

DATE : October 17, 1988 13:11
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11972

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	1	live
Oscillatoriaceae		
Oscillatoria sp.	21	live
CHLOROPHYCOPHYTA		
Indeterminate	1	live
Chlorophyceae		
Chlorococcales		
Hydrodictyaceae		
Pediastrum sp.	1	dead
Zygnematales		
Desmidiaceae		
Staurastrum sp.	1	live
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	2	dead
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	3	dead
Fragilaria sp.	12	dead
Fragilaria sp.	35	live
Synedra sp.	1	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	26	dead
Melosira sp.	27	live

DATE : November 14, 1988 11:08
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12043

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Indeterminate	2	live
Gomphosphaeria sp.	1	dead
CHLOROPHYCOPHYTA		
Chlorophyceae		
Volvocales		
Volvocaceae		
Pandorina sp.	2	live
Zygnematales		
Desmidiaceae		
Cosmarium sp.	1	dead
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	1	dead
Fragilariales		
Fragilariaceae		
Asterionella formosa	15	dead
Asterionella formosa	3	live
Fragilaria sp.	11	dead
Fragilaria sp.	8	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	9	dead

DATE : November 14, 1988 11:11
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12044

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Chroococcales		
Chroococcaceae		
Gomphosphaeria sp.	2	dead
CHLOROPHYCOPHYTA		
Indeterminate	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	27	dead
Asterionella formosa	13	live
Fragilaria sp.	20	dead
Fragilaria sp.	9	live
Synedra sp.	1	dead
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	18	dead
Melosira sp.	22	live

DATE : November 14, 1988 11:22
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12045

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Nostocaceae		
Anabaena sp.	1	dead
Oscillatoriaceae		
Oscillatoria sp.	66	dead
Oscillatoria sp.	8	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Volvocales		
Volvocaceae		
Eudorina sp.	1	live
Chlorococcales		
Hydrodictyaceae		
Pediastrum simplex	1	dead
Zygnematales		
Zygnemataceae		
Spirogyra sp.	1	dead
CHRYSOPHYCOPHYTA		
Chrysophyceae		
Ochromonadales		
Dinobryaceae		
Dinobryon sp.	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Indeterminate	1	dead
Fragilariales		
Fragilariaceae		
Asterionella formosa	13	dead
Asterionella formosa	4	live
Fragilaria sp.	24	dead
Fragilaria sp.	18	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	7	dead
Melosira sp.	9	live

DATE : November 14, 1988 11:33
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12046

Organism	Number	Remarks
CYANOCHLORONTA		
Cyanophyceae		
Nostocales		
Oscillatoriaceae		
Oscillatoria sp.	63	dead
Oscillatoria sp.	11	live
CHLOROPHYCOPHYTA		
Chlorophyceae		
Chlorococcales		
Micractinaceae		
Micractinium pusillum	1	live
BACILLARIOPHYCOPHYTA		
Bacillariophyceae		
Fragilariales		
Fragilariaceae		
Asterionella formosa	12	dead
Asterionella formosa	7	live
Fragilaria sp.	6	dead
Fragilaria sp.	12	live
Coscinodiscales		
Coscinodiscaceae		
Melosira sp.	8	dead
Melosira sp.	1	live

Appendix C

Zoöplankton

DATE : April 12, 1988 8:43
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11345

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Ciliata		
Peritrichida		
Astylozoonidae		
Opisthonecta sp.	1	dead
Opisthonecta sp.	4	live
ROTATORIA		
Digononta		
Bdelloida		
Philodinidae		
Philodina sp.	1	dead
Philodina sp.	2	live
Monogononta		
Floscularlacea		
Testudinellidae		
Testudinella sp.	1	dead
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	1	dead
Synchaeta sp.	1	live
Brachionidae		
Brachionus sp.	1	live
Kellicottia longispina	2	dead
Notholca acuminata	1	dead
Notholca acuminata	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Chydoridae		
Chydorus sphaericus	2	dead
Chydorus sphaericus	2	live
Eucopepoda		
Copepoda		
Copepoda nauplii	2	live
Copepoda adult	3	dead
Copepoda adult	3	live

DATE : April 12, 1988 8:47
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11346

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	3	dead
Centropyxidae		
Centropyxis aculeata	1	dead
Ciliata		
Hymenostomatida		
Parameciidae		
Paramecium sp.	1	live
Peritrichida		
Astylozoonidae		
Opisthonecta sp.	1	dead
Opisthonecta sp.	9	live
NEMATODA		
Indeterminate	1	dead
ROTATORIA		
Digononta		
Bdelloida		
Philodinidae		
Rotaria sp.	1	live
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Brachionidae		
Kellicottia longispina	1	live
Keratella sp.	1	live
Notholca acuminata	3	dead
Trichotria pocillum	1	dead
ARTHROPODA		
Crustacea		
Cladocera		
Chydoridae		
Chydorus sphaericus	3	live
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda nauplii	2	live
Copepoda adult	1	dead
Copepoda adult	2	live

DATE : April 12, 1988 9:10
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11347

Organism	Number	Remarks
PROTOZOA		
Ciliata		
Hymenostomatida		
Parameciidae		
Paramecium sp.	4	live
Peritrichida		
Astylozoonidae		
Opisthonecta sp.	6	dead
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	3	dead
Philodinidae		
Philodina sp.	2	dead
Rotaria sp.	1	dead
Monogononta		
Collothecacea		
Collothecidae		
Collotheca pelagica	1	live
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	3	dead
Brachionidae		
Kellicottia bostoniensis	3	dead
Kellicottia longispina	2	dead
Kellicottia longispina	1	live
Keratella sp.	1	dead
Keratella cochlearis	3	dead
Notholca acuminata	2	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	dead
Chydoridae		
Chydorus sphaericus	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	2	dead
Copepoda nauplii	1	live
Copepoda adult	4	live

DATE : April 12, 1988 9:20
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11348

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Centropyxidae		
Centropyxis aculeata	1	dead
Ciliata		
Hymenostomatida		
Parameciidae		
Paramecium sp.	2	live
Peritrichida		
Astylozoonidae		
Opisthonecta sp.	3	dead
ROTATORIA		
Indeterminate	1	dead
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	3	dead
Synchaeta sp.	2	dead
Brachionidae		
Kellicottia bostoniensis	2	dead
Kellicottia longispina	3	dead
Keratella sp.	1	dead
Keratella cochlearis	1	dead
Lepadella sp.	1	dead
Notholca acuminata	3	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	dead
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda nauplii	3	live
Copepoda adult	1	dead
Copepoda adult	2	live

DATE : May 12, 1988 10:50
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11379

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	2	live
Peritrichida		
Vorticellidae		
Vorticella sp.	1	live
Astylozoonidae		
Opisthonecta sp.	1	live
NEMATODA		
Indeterminate	1	dead
Indeterminate	1	live
ROTATORIA		
Monogononta		
Flosculariacea		
Conochilidae		
Conochilus unicornis	1	live
Ploima		
Synchaetidae		
Synchaeta sp.	2	live
Asplanchnidae		
Asplanchna sp.	1	live
Brachionidae		
Keratella cochlearis	1	live
Keratella hiemalis	1	dead
Notholca acuminata	1	dead
Notholca acuminata	1	live
TARDIGRADA		
Indeterminate	1	dead
ARTHROPODA		
Crustacea		
Cladocera		
Chydoridae		
Alona costata	1	live
Alona guttata	1	live
Chydorus sphaericus	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	3	dead
Copepoda nauplii	11	live

DATE : May 12, 1988 11:00
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11380

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	live
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Centropyxidae		
Centropyxis aculeata	1	dead
Heliozoida		
Myriophryidae		
Myriophrys paradoxa	1	live
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	1	live
ROTATORIA		
Indeterminate	2	dead
Monogononta		
Ploima		
Notommatidae		
Indeterminate	2	live
Synchaetidae		
Polyarthra sp.	2	dead
Synchaeta sp.	8	dead
Synchaeta sp.	2	live
Brachionidae		
Kellicottia longispina	1	dead
Keratella sp.	1	dead
Notholca sp.	4	dead
Notholca acuminata	7	dead
TARDIGRADA		
Indeterminate	1	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	dead
Chydoridae		
Alona sp.	1	live
Chydorus sphaericus	3	dead
Chydorus sphaericus	7	live
Eucopepoda		
Copepoda		
Copepoda nauplii	11	dead
Copepoda nauplii	7	live
Copepoda adult	2	live

DATE : May 12, 1988 11:10
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11381

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	live
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Difflugia sp.	2	live
Centropyxidae		
Centropyxis aculeata	1	dead
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	1	dead
Hymenostomatida		
Parameciidae		
Paramecium sp.	1	live
Peritrichida		
Epistylidae		
Epistylis sp.	1	live
NEMATODA		
Indeterminate	1	live
ROTATORIA		
Monogononta		
Ploima		
Synchaetidae		
Synchaeta sp.	1	dead
Gastropodidae		
Gastropus sp.	1	live
Brachionidae		
Kellicottia longispina	2	dead
Keratella cochlearis	1	dead
Notholca acuminata	2	dead
Notholca acuminata	1	live
Trichotria pocillum	1	dead
ARTHROPODA		
Crustacea		
Eucopepoda		
Copepoda		
Copepoda nauplii	3	dead
Copepoda nauplii	3	live
Copepoda adult	2	live

DATE : May 12, 1988 11:25
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11382

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	dead
Indeterminate	1	live
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	1	dead
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	2	dead
Hymenostomatida		
Parameciidae		
Paramecium sp.	2	live
Peritrichida		
Epistylidae		
Epistylis sp.	1	live
ROTATORIA		
Indeterminate	1	dead
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	2	live
Testudinellidae		
Filinia sp.	2	dead
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	2	dead
Brachionidae		
Kellicottia longispina	1	dead
Keratella hiemalis	1	dead
Notholca acuminata	2	dead
TARDIGRADA		
Indeterminate	2	dead
ARTHROPODA		
Crustacea		
Cladocera		
Macrothricidae		
Ilyocryptus spinifer	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	4	dead
Copepoda nauplii	2	live
Copepoda adult	1	live

DATE : June 13, 1988 11:50
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11509

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Centropyxidae		
Centropyxis aculeata	1	dead
Ciliata		
Hymenostomatida		
Parameciidae		
Paramecium sp.	1	live
Hypotrichida		
Indeterminate	1	live
Oligotrichida		
Tintinnidae		
Tintinnidium sp.	1	dead
Peritrichida		
Epistylidae		
Epistylis sp.	27	live
ROTATORIA		
Indeterminate	2	live
Monogononta		
Ploima		
Synchaetidae		
Synchaeta sp.	46	dead
Synchaeta sp.	118	live
Brachionidae		
Euchlanis sp.	17	dead
Euchlanis sp.	22	live
Keratella sp.	1	dead
Keratella sp.	1	live
Keratella cochlearis	1	live
Keratella serrulata	1	dead
Keratella serrulata	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	2	dead
Bosmina longirostris	2	live
Chydoridae		
Chydorus sphaericus	3	dead
Chydorus sphaericus	3	live
Eucopepoda		
Copepoda		
Copepoda nauplii	2	live
Copepoda adult	1	dead

DATE : June 13, 1988 12:01
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11510

Organism	Number	Remarks
ROTATORIA		
Indeterminate	1	dead
Indeterminate	1	live
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	27	dead
Synchaeta sp.	48	live
Brachionidae		
Euchlanis sp.	15	dead
Euchlanis sp.	11	live
Keratella cochlearis	2	live
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	2	dead
Chydoridae		
Chydorus sphaericus	2	dead
Chydorus sphaericus	6	live
Eucopepoda		
Copepoda		
Copepoda adult	1	dead

DATE : June 13, 1988 12:16
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11511

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	live
NEMATODA		
Indeterminate	1	live
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	1	dead
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	2	dead
Synchaeta sp.	200	dead
Synchaeta sp.	17	live
Asplanchnidae		
Asplanchna sp.	2	dead
Brachionidae		
Euchlanis sp.	2	dead
Euchlanis sp.	1	live
Kellicottia longispina	2	dead
Keratella cochlearis	2	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	3	dead
Bosmina longirostris	1	live
Chydoridae		
Chydorus sphaericus	2	live
Ostracoda		
Indeterminate	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	1	live
Copepoda adult	1	dead
Copepoda adult	1	live

DATE : June 13, 1988 12:26
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11512

Organism	Number	Remarks
PROTOZOA		
Ciliata		
Hymenostomatida		
Parameciidae		
Paramecium sp.	2	live
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	7	dead
Indeterminate	2	live
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	3	dead
Polyarthra sp.	1	live
Synchaeta sp.	158	dead
Synchaeta sp.	4	live
Trichocercidae		
Trichocerca cylindrica	1	dead
Brachionidae		
Euchlanis sp.	5	dead
Kellicottia longispina	1	dead
Keratella cochlearis	2	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	6	dead
Bosmina longirostris	1	live
Chydoridae		
Chydorus sphaericus	2	dead
Chydorus sphaericus	2	live
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda adult	1	dead

DATE : July 13, 1988 13:56
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11656

Organism	Number	Remarks
PROTOZOA		
Indeterminate	4	live
Sarcodina		
Testacida		
Centropyxidae		
Centropyxis aculeata	1	dead
ROTATORIA		
Monogononta		
Flosculariacea		
Conochilidae		
Conochilus unicornis	17	dead
Ploima		
Synchaetidae		
Polyarthra sp.	4	dead
Synchaeta sp.	1	dead
Ploesomatidae		
Ploesoma truncatum	25	dead
Asplanchnidae		
Asplanchna sp.	3	dead
Asplanchna sp.	1	live
Brachionidae		
Keratella cochlearis	2	dead
Monostyla quadridentata	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Indeterminate	1	dead
Sididae		
Sida crystallina	2	dead
Daphnidae		
Ceriodaphnia sp.	1	dead
Scapholeberis sp.	1	dead
Scapholeberis sp.	1	live
Bosminidae		
Bosmina longirostris	25	dead
Bosmina longirostris	1	live
Chydoridae		
Pleuroxus denticulatus	1	live
Polyphemidae		
Polyphemus pediculus	1	dead
Polyphemus pediculus	1	live
Ostracoda		
Indeterminate	1	dead
Indeterminate	2	live
Eucopepoda		
Copepoda		
Copepoda nauplii	14	dead
Copepoda adult	3	dead
Copepoda adult	3	live

DATE : July 13, 1988 14:00
LOCATION : Vermont Yankee Intake
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11657

Organism	Number	Remarks
PROTOZOA		
Indeterminate	2	dead
Indeterminate	10	live
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	2	dead
ROTATORIA		
Monogononta		
Flosculariacea		
Conochilidae		
Conochilus unicornis	1	live
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	2	dead
Ploesomatidae		
Ploesoma truncatum	39	dead
Asplanchnidae		
Asplanchna sp.	1	dead
Brachionidae		
Keratella cochlearis	3	dead
Keratella cochlearis	2	live
Monostyla quadridentata	3	live
Trichotria tetractis	2	live
ARTHROPODA		
Crustacea		
Cladocera		
Indeterminate	1	dead
Daphnidae		
Ceriodaphnia sp.	1	dead
Scapholeberis sp.	2	dead
Scapholeberis sp.	2	live
Bosminidae		
Bosmina longirostris	1	dead
Chydoridae		
Alona affinis	1	live
Camptocercus rectirostris	1	dead
Chydorus sphaericus	1	dead
Graptoleberis testudinaria	1	dead
Polyphemidae		
Polyphemus pediculus	3	dead
Polyphemus pediculus	2	live
Ostracoda		
Indeterminate	3	dead
Indeterminate	4	live
Eucopepoda		
Copepoda		
Copepoda nauplii	4	dead
Copepoda adult	1	dead
Copepoda adult	2	live

DATE : July 13, 1988 14:20
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11658

Organism	Number	Remarks
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	1	dead
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	2	dead
Synchaeta sp.	1	dead
Ploesomatidae		
Ploesoma truncatum	68	dead
Brachionidae		
Keratella cochlearis	19	dead
TARDIGRADA		
Indeterminate	1	dead
ANNELIDA		
Indeterminate	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Daphnidae		
Ceriodaphnia sp.	5	dead
Bosminidae		
Bosmina longirostris	73	dead
Bosmina longirostris	2	live
Ostracoda		
Indeterminate	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	8	dead
Copepoda adult	4	dead

DATE : July 13, 1988 14:35
LOCATION : Vermont Yankee Discharge
METHOD : Plankton net-bucket, 40 liters
SAMPLE : 11659

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	dead
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	3	dead
Indeterminate	1	live
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	2	dead
Ploesomatidae		
Ploesoma truncatum	77	dead
Brachionidae		
Keratella cochlearis	15	dead
ARTHROPODA		
Crustacea		
Cladocera		
Indeterminate	3	dead
Daphnidae		
Ceriodaphnia sp.	5	dead
Daphnia sp.	3	dead
Scapholeberis sp.	1	dead
Bosminidae		
Bosmina longirostris	83	dead
Chydoridae		
Chydorus sphaericus	1	dead
Ostracoda		
Indeterminate	2	live
Eucopepoda		
Copepoda		
Copepoda nauplii	9	dead
Copepoda adult	5	dead

DATE : August 24, 1988 15:30
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11778
CONVERSION FACTOR : .11/liter

Organism	Number	Remarks
PROTOZOA		
Indeterminate	3	
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	7	
Difflugidae		
Difflugia sp.	4	
Centropyxidae		
Centropyxis aculeata	1	
Ciliata		
Peritrichida		
Vorticellidae		
Vorticella sp.	1	
NEMATODA		
Indeterminate	4	
ROTATORIA		
Indeterminate	4	
Digononta		
Bdelloida		
Indeterminate	2	
Monogononta		
Flosculariacea		
Conochilidae		
Conochilus unicornis	17	
Testudinellidae		
Pompholyx sulcata	2	
Collothecacea		
Collothecidae		
Collotheca mutabilis	2	
Collotheca pelagica	1	
Ploima		
Synchaetidae		
Polyarthra sp.	4	
Synchaeta sp.	25	
Ploesomatidae		
Ploesoma hudsoni	2	
Ploesoma truncatum	4	
Trichocercidae		
Trichocerca sp.	1	
Trichocerca rattus	2	
Asplanchnidae		
Asplanchna priodonta	2	
Brachionidae		
Brachionus angularis	2	
Brachionus quadridentata	1	
Kellicottia longispina	1	
Keratella cochlearis	7	
Lecane leontina	1	
Lecane mira	1	
Macrochaetus sp.	1	
Mytilina ventralis	1	
Platyias patulus	2	
TARDIGRADA		
Indeterminate	1	
ARTHROPODA		
Crustacea		
Cladocera		
Indeterminate	2	
Sididae		
Diaphanosoma brachyurum	1	

(CONTINUED)

DATE : August 24, 1988 15:30
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11778
CONVERSION FACTOR : .11/liter

Organism	Number	Remarks
ARTHROPODA		
Crustacea		
Cladocera		
Daphnidae		
Ceriodaphnia sp.	2	
Bosminidae		
Bosmina longirostris	12	
Chydoridae		
Alona quadrangularis	1	
Chydorus sphaericus	4	
Ostracoda		
Indeterminate	3	
Eucopepoda		
Copepoda		
Copepoda nauplii	6	
Copepoda adult	1	

DATE : August 24, 1988 15:30
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11779
CONVERSION FACTOR : .12/liter

Organism	Number	Remarks
PROTOZOA		
Indeterminate	1	
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	3	
Difflugidae		
Difflugia sp.	4	
ROTATORIA		
Indeterminate	1	
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	9	
Collothecacea		
Collothecidae		
Collotheca mutabilis	4	
Ploima		
Synchaetidae		
Polyarthra sp.	3	
Synchaeta sp.	33	
Ploesomatidae		
Ploesoma lenticulare	1	
Ploesoma truncatum	4	
Trichocercidae		
Trichocerca rattus	2	
Asplanchnidae		
Asplanchna priodonta	4	
Brachionidae		
Brachionus quadridentata	2	
Keratella cochlearis	6	
Lecane leontina	1	
Platyias patulus	2	
TARDIGRADA		
Indeterminate	3	
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	4	
Chydoridae		
Camptocercus rectirostris	1	
Chydorus gibbus	1	
Chydorus sphaericus	3	
Ostracoda		
Indeterminate	2	
Eucopepoda		
Copepoda		
Copepoda nauplii	8	
Copepoda adult	1	

DATE : September 14, 1988 12:00
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11823
CONVERSION FACTOR : .11/liter

Organism	Number	Remarks
PROTOZOA		
Indeterminate	3	
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	7	
Centropyxidae		
Centropyxis aculeata	1	
Heliozoida		
Actinophryidae		
Actinosphaerium eichhorni	1	
Myriophryidae		
Myriophrys paradoxa	1	
Mastigophora		
Phytomonadina		
Volvocidae		
Volvox aureus	2	
Ciliata		
Hypotrichida		
Euplotidae		
Euplotes sp.	1	
Oligotrichida		
Halteridae		
Strombidium sp.	2	
Tintinnidae		
Codonella cratera	1	
Peritrichida		
Epistylidae		
Epistylis sp.	17	
ROTATORIA		
Indeterminate	1	
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	13	
Collothecacea		
Collothecidae		
Collotheca sp.	6	
Collotheca mutabilis	2	
Ploima		
Synchaetidae		
Synchaeta sp.	4	
Ploesomatidae		
Ploesoma truncatum	1	
Trichocercidae		
Trichocerca sp.	2	
Brachionidae		
Euchlanis sp.	1	
Keratella cochlearis	4	
Platyias patulus	1	
Trichotria pocillum	1	
ARTHROPODA		
Crustacea		
Cladocera		
Sididae		
Diaphanosoma brachyurum	1	
Bosminidae		
Bosmina longirostris	1	
Ostracoda		
Indeterminate	1	

(CONTINUED)

DATE : September 14, 1988 12:00
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11823
CONVERSION FACTOR : .11/liter

Organism	Number	Remarks
ARTHROPODA		
Crustacea		
Eucopepoda		
Copepoda		
Copepoda nauplii	7	
Copepoda adult	4	

DATE : September 14, 1988 12:05
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11824
CONVERSION FACTOR : .11/liter

Organism	Number	Remarks
PROTOZOA		
Indeterminate	3	
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	3	
Ciliata		
Gymnostomatida		
Tracheliidae		
Paradileptus sp.	1	
Oligotrichida		
Halteridae		
Strombidium sp.	5	
Peritrichida		
Epistylidae		
Epistylis sp.	11	
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	1	
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	12	
Testudinellidae		
Pompholyx sulcata	1	
Collothecacea		
Collothecidae		
Collotheca mutabilis	6	
Ploima		
Notommatidae		
Cephalodella gibba	1	
Notommata sp.	1	
Synchaetidae		
Synchaeta sp.	12	
Gastropodidae		
Gastropus stylifer	1	
Trichocercidae		
Trichocerca sp.	1	
Asplanchnidae		
Asplanchna priodonta	1	
Brachionidae		
Euchlanis sp.	3	
Kellicottia longispina	1	
Keratella cochlearis	6	
Monostyla lunaris	1	
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	2	
Chydoridae		
Alona guttata	1	
Ostracoda		
Indeterminate	1	
Eucopepoda		
Copepoda		
Copepoda nauplii	6	
Copepoda adult	7	

DATE : October 17, 1988 12:35
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11969

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	3	dead
Difflugidae		
Difflugia sp.	3	dead
Difflugia sp.	4	live
Difflugia acuminata	1	live
Mastigophora		
Phytomonadina		
Volvocidae		
Volvox aureus	1	live
Ciliata		
Indeterminate	1	dead
Indeterminate	2	live
Oligotrichida		
Tintinnidae		
Codonella cratera	1	dead
Peritrichida		
Vorticellidae		
Vorticella sp.	106	live
ROTATORIA		
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	1	dead
Conochilus unicornis	1	live
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Polyarthra sp.	1	live
Synchaeta sp.	24	dead
Synchaeta sp.	18	live
Trichocercidae		
Trichocerca sp.	1	live
Brachionidae		
Euchlanis sp.	1	dead
Euchlanis sp.	3	live
Keratella cochlearis	2	dead
Keratella cochlearis	6	live
Lecane luna	1	dead
Lecane luna	1	live
Lepadella patella	1	live
Monostyla lunaris	1	live
Trichotria pocillum	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	dead
Chydoridae		
Alonella sp.	1	live
Chydorus sphaericus	2	live
Graptoleberis testudinaria	2	dead
Pleuroxus striatus	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	3	live
Copepoda adult	1	dead
Copepoda adult	1	live

DATE : October 17, 1988 12:40
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11970

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	3	dead
Difflugidae		
Difflugia sp.	1	dead
Difflugia sp.	4	live
Difflugia corona	1	dead
Mastigophora		
Phytomonadina		
Volvocidae		
Volvox aureus	1	dead
Volvox aureus	1	live
Ciliata		
Indeterminate	1	dead
Heterotrichida		
Stentoridae		
Stentor sp.	1	live
Peritrichida		
Vorticellidae		
Vorticella sp.	1	live
ROTATORIA		
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus unicornis	1	live
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	55	dead
Synchaeta sp.	9	live
Brachionidae		
Euchlanis sp.	2	dead
Keratella cochlearis	1	live
Lecane leontina	1	dead
Lecane mira	1	dead
Trichotria pocillum	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Chydoridae		
Alonella excisa	1	dead
Chydorus sphaericus	1	dead
Chydorus sphaericus	2	live
Graptoleberis testudinaria	3	dead
Graptoleberis testudinaria	1	live
Pleuroxus denticulatus	1	live
Ostracoda		
Indeterminate	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	3	live
Copepoda adult	2	live

DATE : October 17, 1988 12:50
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11971

Organism	Number	Remarks
PROTOZOA		
Mastigophora		
Phytomonadina		
Volvocidae		
Volvox aureus	1	live
Ciliata		
Heterotrichida		
Stentoridae		
Stentor sp.	1	live
ROTATORIA		
Monogononta		
Ploima		
Synchaetidae		
Synchaeta sp.	17	dead
Synchaeta sp.	2	live
Brachionidae		
Keratella cochlearis	2	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	2	dead

DATE : October 17, 1988 13:11
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 11972

Organism	Number	Remarks
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	2	live
Monogononta		
Ploima		
Synchaetidae		
Polyarthra sp.	1	dead
Synchaeta sp.	10	dead
Synchaeta sp.	9	live
Brachionidae		
Euchlanis sp.	1	dead
Kellicottia bostoniensis	1	dead
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	dead
Ostracoda		
Indeterminate	1	dead
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda adult	1	live

DATE : November 14, 1988 11:08
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12043

Organism	Number	Remarks
PROTOZOA		
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	3	dead
Didinium sp.	4	live
Didinium nasutum	1	live
Peritrichida		
Vorticellidae		
Vorticella sp.	1	live
NEMATODA		
Indeterminate	1	dead
ROTATORIA		
Monogononta		
Ploima		
Brachionidae		
Keratella cochlearis	2	dead
ARTHROPODA		
Crustacea		
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda nauplii	1	live
Copepoda adult	1	live

DATE : November 14, 1988 11:11
LOCATION : Vermont Yankee Intake
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12044

Organism	Number	Remarks
PROTOZOA		
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	4	dead
Didinium sp.	14	live
Didinium nasutum	1	live
Peritrichida		
Vorticellidae		
Vorticella sp.	1	live
ROTATORIA		
Monogononta		
Ploima		
Brachionidae		
Kellicottia longispina	1	live
Keratella cochlearis	1	dead
ARTHROPODA		
Crustacea		
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead
Copepoda adult	1	dead

DATE : November 14, 1988 11:22
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12045

Organism	Number	Remarks
PROTOZOA		
Indeterminate	3	live
Sarcodina		
Testacida		
Difflugidae		
Difflugia sp.	2	live
Ciliata		
Gymnostomatida		
Didiniidae		
Didinium sp.	12	dead
Didinium sp.	4	live
Didinium nasutum	1	live
Peritrichida		
Epistylidae		
Epistylis sp.	3	live
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	3	live
Monogononta		
Ploima		
Brachionidae		
Kellicottia longispina	1	dead
Trichotria tetractis	1	live
ARTHROPODA		
Crustacea		
Cladocera		
Bosminidae		
Bosmina longirostris	1	live
Chydoridae		
Chydorus sphaericus	1	live
Eucopepoda		
Copepoda		
Copepoda nauplii	1	dead

DATE : November 14, 1988 11:33
LOCATION : Vermont Yankee Discharge
METHOD : Wisconsin net by bucket, 40 liters
SAMPLE : 12046

Organism	Number	Remarks
PROTOZOA		
Sarcodina		
Testacida		
Arcellidae		
Arcella vulgaris	1	dead
Difflugidae		
Difflugia corona	1	dead
Ciliata		
Indeterminate	1	live
Gymnostomatida		
Didiniidae		
Didinium sp.	6	dead
Didinium sp.	3	live
ROTATORIA		
Digononta		
Bdelloida		
Indeterminate	1	dead
Indeterminate	1	live
Monogononta		
Floscularlacea		
Testudinellidae		
Filinia longiseta	1	dead
Ploima		
Brachionidae		
Keratella cochlearis	1	dead
Trichotria tetractis	1	live
ARTHROPODA		
Crustacea		
Eucopepoda		
Copepoda		
Copepoda nauplii	2	dead
Copepoda adult	1	live

Appendix D

Macroinvertebrates

DATE : June 15, 1988 10:07
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11514

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		light
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ARTHROPODA		
Insecta		
Plecoptera		
Perlidae		
Indeterminate	1	
Ephemeroptera		
Heptageniidae		
Indeterminate	1	
Leucrocuta sp.	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Hydropsyche phalerata	1	
Leptoceridae		
Nectopsyche sp.	1	
Coleoptera		
Elmidae		
Macronychus sp.	1	
Diptera		
Chironomidae		
Chironominae		
Rheotanytarsus sp.	1	

DATE : June 15, 1988 10:21
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11515

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Heptagenia flavescens	1	
Leucrocuta sp.	7	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	3	
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Thienemannimyia sp.	4	
Chironominae		
Tanytarsus guerlus	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Pisidium sp.	1	

DATE : June 15, 1988 10:28
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11516

REMARKS : Rock, gravel substrate

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Indeterminate	1	
Leucrocuta sp.	3	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Oecetis sp.	1	
Diptera		
Empididae		
Hemerodromia sp.	1	

DATE : June 15, 1988 10:35
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11517

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Leucrocuta sp.	2	
Polymitarcidae		
Ephoron sp.	1	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Ablabesmyia mallochi	1	

DATE : June 15, 1988 10:42
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11518

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Leucrocuta sp.	5	
Stenacron sp.	1	
Diptera		
Chironomidae		
Indeterminate	7	
Tanypodinae		
Thienemannimyia sp.	3	
Orthocladiinae		
Cricotopus sp.	3	
Cricotopus bicinctus	1	
Psectrocladius sp.	1	
Chironominae		
Polypedilum nr. scalaenum	1	
Tanytarsus glabrescens	5	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	1	

DATE : June 15, 1988 10:55
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11519

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	1	
Haplotaxida		
Naididae		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Baetidae		
Pseudocloeon sp.	1	
Heptageniidae		
Indeterminate	1	
Leucrocuta sp.	1	
Nixe sp.	1	
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Cheumatopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	2	
Orthocladiinae		
Cricotopus sp.	2	
Chironominae		
Dicrotendipes neomodestus	1	
Phaenopsectra sp.	1	
Polypedilum convictum	1	
Polypedilum nr. scalaenum	1	
Tanytarsus sp.	1	
Tanytarsus guerlus	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	3	

DATE : June 15, 1988 11:10
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11520

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Heptagenia flavescens	1	
Leucrocuta sp.	2	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Chironominae		
Dicrotendipes neomodestus	1	

DATE : June 15, 1988 11:15
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11521

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Indeterminate	1	
Nixe sp.	1	
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Leptoceridae		
Nectopsyche sp.	1	
Polycentropodidae		
Indeterminate	1	
Diptera		
Chironomidae		
Indeterminate	2	
Orthocladiinae		
Indeterminate	1	
Cricotopus sp.	1	
Chironominae		
Micropsectra sp.	2	
Polypedilum convictum	1	
Tanytarsus glabrescens	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	1	

DATE : June 15, 1988 11:20
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11522

REMARKS : Rock, gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Nixe sp.	1	

DATE : June 15, 1988 11:45
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11523

REMARKS : Rock ledge.

No organisms found

DATE : June 15, 1988 11:50
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11524

REMARKS : Rock ledge.

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Odonata		
Gomphidae		
Indeterminate	1	
Diptera		
Chironomidae		
Orthocladiinae		
Indeterminate	1	

DATE : June 15, 1988 11:55
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11525

REMARKS : Rock ledge.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		heavy
ARTHROPODA		
Insecta		
Ephemeroptera		
Baetidae		
Indeterminate	1	
Trichoptera		
Leptoceridae		
Ceraclea sp.	5	

DATE : June 15, 1988 12:05
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11526

REMARKS : Rock ledge.

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Stenacron sp.	1	
Trichoptera		
Leptoceridae		
Ceraclea sp.	2	
Polycentropodidae		
Polycentropus sp.	2	
Diptera		
Chironomidae		
Chironominae		
Indeterminate	1	
Rheotanytarsus sp.	2	

DATE : June 15, 1988 12:10
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11527

REMARKS : Rock ledge.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		moderate
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Ceraclea sp.	2	
Diptera		
Chironomidae		
Tanypodinae		
Thienemannimyia sp.	1	
Chironominae		
Rheotanytarsus distinctissimus	1	
Rheotanytarsus exiguus	1	

DATE : June 15, 1988 12:20
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11528

REMARKS : Rock ledge.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	4	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Indeterminate	1	
Leucrocuta sp.	1	
Nixe sp.	1	
Polymitarcidae		
Ephoron sp.	2	
Diptera		
Chironomidae		
Indeterminate	2	
Tanypodinae		
Ablabesmyia mallochi	1	
Thienemannimyia sp.	1	
Orthocladiinae		
Cricotopus sp.	1	
Chironominae		
Dicrotendipes sp.	1	
Lenziella sp.	1	
Phaenopsectra dyari	1	
Polypedilum nr. scalaenum	1	
Tanytarsus sp.	1	
Tanytarsus glabrescens	1	
Tanytarsus guerlus	3	

DATE : June 15, 1988 12:55
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11529

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	1	
Insecta		
Odonata		
Gomphidae		
Stylurus sp.	2	
Diptera		
Chironomidae		
Chironominae		
Chironomus sp.	4	
Nilothauma sp.	1	
Phaenopsectra dyari	2	
Tanytarsus guerlus	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Musculium sp.	1	

DATE : June 15, 1988 13:00
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11530

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Indeterminate	1	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	4	
Tanypodinae		
Procladius sp.	2	
Chironominae		
Indeterminate	2	
Chironomus sp.	6	
Dicrotendipes sp.	2	
Harnischia sp.	1	
Polypedilum nr. scalaenum	7	
Tanytarsus guerlus	2	
Heleidae		
Indeterminate	6	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Musculium sp.	1	
Sphaerium sp.	1	

DATE : June 15, 1988 13:05
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11531

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	2	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemerellidae		
Eurylophella bicolor	1	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	2	
Coleoptera		
Elmidae		
Stenelmis sp.	1	
Diptera		
Chironomidae		
Indeterminate	7	
Chironominae		
Chironomus sp.	7	
Nilothauma sp.	1	
Paratanytarsus sp.	1	
Polypedilum nr. scalaenum	2	
Tanytarsus sp.	1	
Tanytarsus guerlus	1	
Heleidae		
Heleinae		
Culicoides sp.	3	
Palpomyia tibialis	1	

DATE : June 16, 1988 14:40
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11532

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
Haplotaxida		
Naididae		
Indeterminate	4	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Indeterminate	1	
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Ablabesmyia mallochi	1	
Ablabesmyia parajanta	1	
Orthocladiinae		
Indeterminate	4	
Psectrocladius psilopterus	2	
Chironominae		
Chironomus sp.	1	
Demicryptochironomus sp.	2	
Dicrotendipes sp.	1	
Dicrotendipes neomodestus	1	
Phaenopsectra dyari	1	
Polypedilum nr. scalaenum	1	
Pseudochironomus sp.	1	
Stempellinella sp.	1	
Tanytarsus sp.	2	
Tanytarsus guerlus	2	
Heleidae		
Heleinae		
Bezzia glabra	1	

DATE : June 16, 1988 14:45
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11533

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Indeterminate	1	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	1	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Ablabesmyia mallochi	1	
Orthocladiinae		
Indeterminate	1	
Chironominae		
Harnischia sp.	1	
Robackia demeigerei	3	
Tribelos sp.	2	
Heleidae		
Heleinae		
Culicoides sp.	1	

DATE : June 16, 1988 14:55
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11534

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	1	
Haplotaxida		
Naididae		
Indeterminate	3	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Baetidae		
Indeterminate	1	
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	
Oecetis sp.	1	
Diptera		
Indeterminate	1	
Chironomidae		
Indeterminate	7	
Tanypodinae		
Ablabesmyia parajanta	1	
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	1	
Orthocladiinae		
Indeterminate	3	
Cricotopus sp.	4	
Psectrocladius sp.	1	
Chironominae		
Indeterminate	7	
Dicrotendipes sp.	2	
Dicrotendipes neomodestus	5	
Harnischia sp.	3	
Lenziella sp.	1	
Micropsectra sp.	1	
Parachironomus sp.	1	
Paratanytarsus sp.	1	
Phaenopsectra sp.	1	
Phaenopsectra dyari	1	
Stempellinella sp.	1	
Tanytarsus sp.	2	
Tanytarsus guerlus	6	
Tribelos sp.	1	
Heleidae		
Indeterminate	2	
Homoptera		
Indeterminate	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Planorbidae		
Gyraulus sp.	1	

(CONTINUED)

DATE : June 16, 1988 14:55
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11534

Organisms	Number	Remarks
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	2	
Unionidae		
Elliptio complanata	1	

DATE : June 16, 1988 15:15
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11535

REMARKS : Sand substrate

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	1	
Tubificidae		
Indeterminate	50	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Indeterminate	5	
Tanypodinae		
Procladius sp.	1	
Orthocladiinae		
Cricotopus sp.	1	
Chironominae		
Indeterminate	1	
Chironomus sp.	2	
Lenziella sp.	3	
Micropsectra sp.	3	
Polypedilum nr. scalaenum	1	
Tanytarsus sp.	11	
Tanytarsus guerlus	3	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	
Unionidae		
Elliptio complanata	1	

DATE : June 16, 1988 15:35
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11536

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	9	
Tubificidae		
Indeterminate	61	
ARTHROPODA		
Insecta		
Ephemeroptera		
Caenidae		
Brachycercus sp.	1	
Diptera		
Chironomidae		
Indeterminate	4	
Tanypodinae		
Procladius sp.	2	
Orthocladiinae		
Cricotopus sp.	1	
Chironominae		
Indeterminate	6	
Chironomus sp.	5	
Cryptochironomus sp.	1	
Cryptotendipes sp.	3	
Lenziella sp.	1	
Micropsectra sp.	3	
Polypedilum nr. scalaenum	1	
Robackia demeigerei	1	
Stempellinella sp.	1	
Tanytarsus sp.	15	
Tanytarsus guerlus	6	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	

DATE : June 16, 1988 15:44
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11537

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	1	
Tubificidae		
Indeterminate	26	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Tanypodinae		
Indeterminate	1	
Thienemannimyia sp.	1	
Chironominae		
Chironomus sp.	6	
Harnischia sp.	1	
Paralauterborniella sp.	1	
Robackia demeigerei	1	
Tanytarsus sp.	11	
Tanytarsus guerlus	4	
Homoptera		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Unionidae		
Elliptio complanata	1	

DATE : June 16, 1988 15:50
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11538

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	2	
Tubificidae		
Indeterminate	17	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia limbata	1	
Odonata		
Coenagrionidae		
Indeterminate	1	
Gomphidae		
Stylurus sp.	1	
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	
Coleoptera		
Elmidae		
Optioservus sp.	1	
Diptera		
Chironomidae		
Indeterminate	8	
Tanypodinae		
Ablabesmyia annulata	1	
Ablabesmyia parajanta	2	
Procladius sp.	2	
Orthocladiinae		
Indeterminate	5	
Cricotopus sp.	4	
Psectrocladius sp.	2	
Chironominae		
Indeterminate	7	
Chironomus sp.	17	
Cryptochironomus sp.	2	
Cryptotendipes sp.	5	
Demicryptochironomus sp.	2	
Harnischia sp.	9	
Lenziella sp.	2	
Micropsectra sp.	1	
Nilothauma sp.	2	
Parachironomus sp.	1	
Paralauterborniella sp.	1	
Stictochironomus sp.	1	
Tanytarsus sp.	9	
Tanytarsus glabrescens	4	
Tanytarsus guerlus	5	
Empididae		
Hemerodromia sp.	1	

(CONTINUED)

DATE : June 16, 1988 15:50
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11538

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Heleidae		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Musculium sp.	1	
Pisidium sp.	1	

DATE : June 16, 1988 16:00
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11539

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	3	
Tubificidae		
Indeterminate	32	
ARTHROPODA		
Insecta		
Ephemeroptera		
Baetidae		
Indeterminate	1	
Caenidae		
Caenis sp.	1	
Odonata		
Gomphidae		
Stylurus sp.	1	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Diptera		
Chironomidae		
Indeterminate	2	
Tanypodinae		
Ablabesmyia mallochi	1	
Djalmabatista sp.	1	
Procladius sp.	7	
Orthocladiinae		
Indeterminate	2	
Acricotopus sp.	2	
Cricotopus sp.	1	
Psectrocladius sp.	1	
Rheocricotopus sp.	2	
Chironominae		
Chironomus sp.	16	
Cladopelma sp.	1	
Cryptotendipes sp.	8	
Demicryptochironomus sp.	2	
Dicrotendipes sp.	1	
Dicrotendipes neomodestus	1	
Harnischia sp.	6	
Lenziella sp.	1	
Micropsectra sp.	3	
Paralauterborniella sp.	1	
Polypedilum nr. scalaenum	2	
Pseudochironomus sp.	1	
Stempellinella sp.	3	
Tanytarsus sp.	6	
Tanytarsus glabrescens	15	
Tanytarsus guerlus	5	
Heleidae		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	

DATE : June 16, 1988 16:10
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11540

REMARKS : Sand substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	22	
Tubificidae		
Indeterminate	33	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemerellidae		
Eurylophella bicolor	1	
Odonata		
Gomphidae		
Stylurus sp.	1	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Diptera		
Chironomidae		
Indeterminate	7	
Tanypodinae		
Procladius sp.	3	
Orthocladiinae		
Indeterminate	1	
Acricotopus sp.	3	
Cricotopus sp.	2	
Chironominae		
Chironomus sp.	3	
Cryptochironomus sp.	1	
Cryptotendipes sp.	8	
Demicryptochironomus sp.	1	
Harnischia sp.	7	
Lenziella sp.	1	
Pagastiella sp.	1	
Paratendipes sp.	1	
Pseudochironomus sp.	1	
Stempellinella sp.	2	
Tanytarsus sp.	15	
Tanytarsus glabrescens	9	
Tanytarsus guerlus	5	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	2	

DATE : June 16, 1988 12:40
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11541

REMARKS : Sand substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	3	
Tubificidae		
Indeterminate	8	
ARTHROPODA		
Insecta		
Ephemeroptera		
Caenidae		
Caenis sp.	1	
Diptera		
Chironomidae		
Chironominae		
Harnischia sp.	2	
Paracladopelma sp.	1	
Robackia demeigerei	3	

DATE : June 16, 1988 12:50
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11542

REMARKS : Sand substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	1	
Tubificidae		
Indeterminate	13	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Indeterminate	2	
Chironominae		
Indeterminate	1	
Chironomus sp.	2	
Demicryptochironomus sp.	1	
Harnischia sp.	2	
Polypedilum nr. scalaenum	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Musculium sp.	2	
Pisidium sp.	1	
Unionidae		
Indeterminate	1	

DATE : June 16, 1988 13:00
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11543

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae		
Indeterminate	10	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Helobdella stagnalis	1	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Tanypodinae		
Indeterminate	1	
Thienemannimyia sp.	1	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	1	
Harnischia sp.	3	
Polypedilum nr. scalaenum	1	
Robackia demeigerei	2	
Tanytarsus sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Musculium sp.	1	

DATE : June 16, 1988 13:20
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11544

REMARKS : Sand substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Indeterminate	11	
Haplotaxida		
Tubificidae		
Indeterminate	34	
ARTHROPODA		
Insecta		
Ephemeroptera		
Polymitarcidae		
Ephoron sp.	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Coleoptera		
Elmidae		
Stenelmis sp.	1	
Diptera		
Chironomidae		
Indeterminate	4	
Tanypodinae		
Ablabesmyia mallochi	1	
Ablabesmyia parajanta	2	
Procladius sp.	1	
Orthocladiinae		
Psectrocladius sp.	1	
Rheocricotopus sp.	1	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	2	
Demicryptochironomus sp.	5	
Harnischia sp.	3	
Micropsectra sp.	1	
Paratendipes sp.	2	
Polypedilum sp.	1	
Polypedilum nr. scalaenum	16	
Robackia demeigerei	3	
Stempellinella sp.	1	
Tanytarsus sp.	2	
Tanytarsus glabrescens	2	

DATE : June 16, 1988 13:25
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11545

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae		
Indeterminate	6	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Stenonema sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	3	
Chironominae		
Cryptochironomus sp.	2	
Demicryptochironomus sp.	2	
Lenziella sp.	1	
Nilothauma sp.	1	
Paracladopelma longanae	2	
Robackia demeigerei	7	
Tanytarsus sp.	1	

DATE : June 16, 1988 13:30
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11546

REMARKS : Sand, silt substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae		
Indeterminate	3	
ARTHROPODA		
Insecta		
Ephemeroptera		
Caenidae		
Caenis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Thienemannimyia sp.	1	
Chironominae		
Chironomus sp.	1	
Polypedilum nr. scalaenum	1	
Robackia demeigerei	3	
Tanytarsus guerlus	1	
Heleidae		
Indeterminate	1	

DATE : June 16, 1988 13:47
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11547

REMARKS : Sand, silt substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Tubificidae		
Indeterminate	17	
ARTHROPODA		
Insecta		
Ephemeroptera		
Baetidae		
Indeterminate	1	
Ephemeridae		
Hexagenia limbata	1	
Coleoptera		
Elmidae		
Optioservus sp.	2	
Diptera		
Chironomidae		
Indeterminate	3	
Orthocladiinae		
Acricotopus sp.	1	
Chironominae		
Indeterminate	4	
Chironomus sp.	2	
Demicryptochironomus sp.	1	
Harnischia sp.	6	
Nilothauma sp.	1	
Pseudochironomus sp.	2	
Rheotanytarsus sp.	1	
Robackia demeigerei	1	
Tanytarsus sp.	15	
Empididae		
Hemerodromia sp.	2	
Heleidae		
Heleinae		
Palpomyia tibialis	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Pisidium sp.	1	

DATE : June 16, 1988 14:02
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11548

REMARKS : Sand, silt substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia limbata	3	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Coleoptera		
Elmidae		
Optioservus sp.	1	
Diptera		
Chironomidae		
Indeterminate	3	
Tanypodinae		
Ablabesmyia parajanta	1	
Chironominae		
Indeterminate	4	
Chironomus sp.	2	
Cryptochironomus sp.	1	
Demicryptochironomus sp.	1	
Dicrotendipes neomodestus	1	
Harnischia sp.	3	
Micropsectra sp.	1	
Pagastiella sp.	2	
Polypedilum nr. scalaenum	2	
Pseudochironomus sp.	1	
Tanytarsus sp.	4	
Tanytarsus glabrescens	6	
Empididae		
Indeterminate	1	
Heleidae		
Indeterminate	1	
Heleinae		
Palpomyia tibialis	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	

DATE : June 16, 1988 14:10
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11549

REMARKS : Sand, silt substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Dero sp.	6	
Stylaria lacustris	1	
Tubificidae		
Indeterminate	14	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia limbata	2	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Coleoptera		
Elmidae		
Dubiraphia sp.	1	
Diptera		
Chironomidae		
Chironominae		
Indeterminate	5	
Chironomus sp.	2	
Cladotanytarsus sp.	1	
Cryptotendipes sp.	6	
Demicryptochironomus sp.	2	
Harnischia sp.	15	
Nilothauma sp.	2	
Polypedilum nr. scalaenum	1	
Pseudochironomus sp.	2	
Tanytarsus sp.	2	
Tanytarsus glabrescens	4	
Empididae		
Chelifera sp.	1	
Heleidae		
Indeterminate	3	
Heleinae		
Palpomyia tibialis	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Pisidium sp.	6	
Unionidae		
Indeterminate	1	

DATE : August 23, 1988 11:00
LOCATION : Station 2-Vermont
METHOD : Cage sampler, 70 days
SAMPLE : 11691

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	3	
ANNELIDA		
Oligochaeta		
Indeterminate	10	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus racovitzai	1	
Decapoda		
Cambaridae		
Cambarinae		
Orconectes sp.	7	
Orconectes limosus	2	
Insecta		
Plecoptera		
Perlidae		
Acroneuria sp.	3	
Ephemeroptera		
Ephemeridae		
Litobrancha recurvata	1	
Heptageniidae		
Stenacron sp.	51	
Odonata		
Aeschnidae		
Boyeria sp.	1	
Coenagrionidae		
Indeterminate	3	
Megaloptera		
Sialidae		
Sialis sp.	7	
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Leptoceridae		
Nectopsyche sp.	2	
Oecetis sp.	12	
Limnephilidae		
Pycnopsyche sp.	1	
Polycentropodidae		
Polycentropus sp.	2	
Diptera		
Chironomidae		
Indeterminate	3	
Tanypodinae		
Ablabesmyia parajanta	3	
Procladius sp.	9	
Thienemannimyia sp.	3	
Orthocladiinae		
Cricotopus sp.	1	
Chironominae		
Dicrotendipes neomodestus	8	
Endochironomus nigricans	2	
Glyptotendipes sp.	2	
Lenziella sp.	1	
Micropsectra sp.	1	
Polypedilum illinoense	1	
Pseudochironomus sp.	1	

(CONTINUED)

DATE : August 23, 1988 11:00
LOCATION : Station 2-Vermont
METHOD : Cage sampler, 70 days
SAMPLE : 11691

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Chironominae		
Tanytarsus sp.	1	
Tanytarsus glabrescens	2	
Heleidae		
Indeterminate	3	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Pisidium sp.	3	
Sphaerium sp.	2	

DATE : August 23, 1988 15:00
LOCATION : Station 3-Vermont
METHOD : Cage sampler, 70 days
SAMPLE : 11692

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		heavy
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	24	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	11	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		moderate
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	28	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Crustacea		
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	2	
Insecta		
Collembola		
Entomobryidae		
Tomocerus sp.	1	
Plecoptera		
Perlidae		
Acroneuria sp.	1	
Ephemeroptera		
Heptageniidae		
Indeterminate	3	
Tricorythidae		
Tricorythodes sp.	3	
Odonata		
Coenagrionidae		
Indeterminate	6	
Enallagma sp.	1	
Corduliidae		
Neurocordulia sp.	10	
Macromiidae		
Macromia sp.	1	
Neuroptera		
Sisyridae		
Climacia sp.	9	
Trichoptera		
Hydropsychidae		
Indeterminate	29	
Cheumatopsyche sp.	29	

(CONTINUED)

DATE : August 23, 1988 15:00
LOCATION : Station 3-Vermont
METHOD : Cage sampler, 70 days
SAMPLE : 11692

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Trichoptera		
Hydroptilidae		
Hydroptilinae		
Agraylea sp.	2	
Leptoceridae		
Ceraclea sp.	2	
Oecetis sp.	1	
Polycentropodidae		
Neureclipsis sp.	1	
Polycentropus sp.	7	
Coleoptera		
Elmidae		
Indeterminate	1	
Diptera		
Indeterminate	1	
Chironomidae		
Indeterminate	182	
Tanypodinae		
Ablabesmyia mallochi	3	
Thienemannimyia sp.	4	
Orthocladiinae		
Indeterminate	2	
Corynoneura sp.	1	
Cricotopus sp.	1	
Chironominae		
Indeterminate	38	
Cryptotendipes sp.	2	
Dicrotendipes sp.	5	
Endochironomus sp.	4	
Endochironomus nigricans	20	
Glyptotendipes sp.	186	
Nilothauma sp.	1	
Parachironomus sp.	3	
Polypedilum sp.	1	
Polypedilum illinoense	12	
Rheotanytarsus sp.	6	
Tanytarsus sp.	3	
Tanytarsus glabrescens	4	
Tanytarsus guerlus	2	
Xenochironomus sp.	5	
Empididae		
Hemerodromia sp.	9	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	

DATE : August 24, 1988 10:00
LOCATION : Station 5-Vermont
METHOD : Cage sampler, 71 days
SAMPLE : 11697

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	5	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	44	
Dugesia tigrina	184	
ANNELIDA		
Oligochaeta		
Indeterminate	5	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	7	
Arrenuridae		
Arrenurus sp.	1	
Crustacea		
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	1	
Ostracoda		
Indeterminate	5	
Insecta		
Ephemeroptera		
Baetidae		
Cloeon sp.	2	
Heptageniidae		
Stenacron sp.	2	
Odonata		
Coenagrionidae		
Indeterminate	1	
Enallagma sp.	2	
Corduliidae		
Tetragoneuria sp.	1	
Trichoptera		
Indeterminate	2	
Hydroptilidae		
Indeterminate	8	
Hydroptilinae		
Agraylea sp.	63	
Oxyethira sp.	2	
Leptoceridae		
Indeterminate	3	
Ceraclea sp.	1	
Nectopsyche sp.	1	
Oecetis sp.	10	
Limnephilidae		
Pycnopsyche sp.	1	
Polycentropodidae		
Indeterminate	8	
Polycentropus sp.	40	
Diptera		
Indeterminate	4	
Chironomidae		
Indeterminate	536	
Tanypodinae		
Indeterminate	4	

(CONTINUED)

DATE : August 24, 1988 10:00
LOCATION : Station 5-Vermont
METHOD : Cage sampler, 71 days
SAMPLE : 11697

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Tanypodinae		
Ablabesmyia sp.	1	
Ablabesmyia mallochi	8	
Ablabesmyia parajanta	2	
Labrundinia sp.	9	
Procladius sp.	2	
Thienemannimyia sp.	1	
Orthocladiinae		
Corynoneura sp.	1	
Chironominae		
Indeterminate	115	
Cryptotendipes sp.	1	
Dicrotendipes sp.	3	
Dicrotendipes neomodestus	65	
Dicrotendipes nervosus	2	
Endochironomus sp.	17	
Endochironomus nigricans	108	
Endochironomus subtendens	12	
Glyptotendipes sp.	865	
Micropsectra sp.	4	
Nilothauma sp.	4	
Polypedilum sp.	1	
Pseudochironomus sp.	4	
Tanytarsus sp.	8	
Tanytarsus glabrescens	13	
Tanytarsus guerlus	27	
Empididae		
Hemerodromia sp.	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Ancylidae		
Indeterminate	7	
Mesogastropoda		
Hydrobiidae		
Indeterminate	12	
Amnicola sp.	2	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	

DATE : August 23, 1988 9:10
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11740

REMARKS : Rock substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	4	
ARTHROPODA		
Arachnoidea		
Araneae		
Indeterminate	1	
Insecta		
Ephemeroptera		
Baetidae		
Centroptilum sp.	1	
Caenidae		
Brachycercus sp.	1	
Heptageniidae		
Stenonema sp.	2	
Tricorythidae		
Tricorythodes sp.	2	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Leptoceridae		
Ceraclea sp.	2	
Oecetis sp.	3	
Polycentropodidae		
Polycentropus sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Ablabesmyia sp.	1	
Orthocladiinae		
Indeterminate	3	
Chironominae		
Lenziella sp.	1	
Rheotanytarsus exiguus	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Planorbidae		
Helisoma sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Musculium sp.	1	
Pisidium sp.	2	
Sphaerium sp.	2	

DATE : August 23, 1988 9:20
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11741

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	2	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Indeterminate	1	
Heptageniidae		
Stenonema sp.	4	
Tricorythidae		
Tricorythodes sp.	4	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Diptera		
Chironomidae		
Chironominae		
Dicrotendipes sp.	1	
Polypedilum sp.	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	4	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	2	
Sphaerium sp.	9	

DATE : August 23, 1988 9:30
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11742

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	2	
Dugesia tigrina	5	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Stenacron sp.	1	
Stenonema sp.	1	
Tricorythidae		
Tricorythodes sp.	2	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Ablabesmyia sp.	1	
Orthocladiinae		
Indeterminate	1	
Chironominae		
Dicrotendipes neomodestus	1	
Microtendipes sp.	1	
Parachironomus frequens	2	
Tanytarsus glabrescens	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	

DATE : August 23, 1988 9:50
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11743

REMARKS : Cobble substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	3	
Dugesia tigrina	6	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Baetidae		
Indeterminate	3	
Caenidae		
Caenis sp.	1	
Tricorythidae		
Tricorythodes sp.	1	
Odonata		
Indeterminate	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	4	
Leptoceridae		
Indeterminate	1	
Nectopsyche sp.	2	
Oecetis sp.	10	
Diptera		
Chironomidae		
Tanypodinae		
Ablabesmyia mallochi	2	
Orthocladiinae		
Indeterminate	12	
Chironominae		
Indeterminate	1	
Cryptotendipes sp.	4	
Demicryptochironomus sp.	1	
Dicrotendipes neomodestus	1	
Lenziella sp.	2	
Micropsectra sp.	1	
Pagastiella sp.	1	
MOLLUSCA		
Gastropoda		
Indeterminate	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	4	
Unionidae		
Indeterminate	3	

DATE : August 23, 1988 9:57
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11744

REMARKS : Cobble substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
Haplotaxida		
Naididae		
Stylaria lacustris	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Baetidae		
Centroptilum sp.	1	
Ephemerellidae		
Indeterminate	1	
Tricorythidae		
Tricorythodes sp.	6	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	2	
Leptoceridae		
Nectopsyche sp.	1	
Oecetis sp.	18	
Coleoptera		
Elmidae		
Stenelmis sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Ablabesmyia mallochi	1	
Orthocladiinae		
Indeterminate	9	
Chironominae		
Dicrotendipes neomodestus	1	
Lenziella sp.	11	
Micropsectra sp.	1	
Microtendipes sp.	2	
Tanytarsus glabrescens	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	3	
Unionidae		
Indeterminate	1	

DATE : August 23, 1988 10:05
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11745

REMARKS : Cobble substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	2	
Dugesia tigrina	9	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	4	
Haplotaxida		
Naididae		
Stylaria lacustris	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Tricorythidae		
Tricorythodes sp.	2	
Trichoptera		
Hydropsychidae		
Indeterminate	3	
Cheumatopsyche sp.	2	
Leptoceridae		
Nectopsyche sp.	1	
Oecetis sp.	1	
Diptera		
Chironomidae		
Orthocladiinae		
Indeterminate	5	
Chironominae		
Indeterminate	1	
Cryptotendipes sp.	1	
Dicrotendipes neomodestus	1	
Lenziella sp.	2	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	4	
Unionidae		
Indeterminate	1	

DATE : August 23, 1988 10:15
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11746

REMARKS : Cobble substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	12	
NEMATODA		
Indeterminate	1	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ARTHROPODA		
Insecta		
Ephemeroptera		
Tricorythidae		
Tricorythodes sp.	6	
Trichoptera		
Hydropsychidae		
Hydropsyche sp.	1	
Leptoceridae		
Indeterminate	1	
Ceraclea sp.	1	
Oecetis sp.	1	
Polycentropodidae		
Neureclipsis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Thienemannimyia sp.	2	
Chironominae		
Dicrotendipes neomodestus	2	
MOLLUSCA		
Gastropoda		
Basommatophora		
Physidae		
Physa sp.	1	
Planorbidae		
Gyraulus sp.	1	
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	5	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	2	
Sphaerium sp.	2	
Unionidae		
Indeterminate	1	

DATE : August 23, 1988 10:22
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11747

REMARKS : Cobble substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Stenonema sp.	1	
Tricorythidae		
Tricorythodes sp.	2	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	2	
Leptoceridae		
Oecetis sp.	6	
Polycentropodidae		
Polycentropus sp.	1	
Diptera		
Chironomidae		
Orthocladiinae		
Indeterminate	1	
Thienemanniella sp.	1	
Chironominae		
Tanytarsus glabrescens	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Indeterminate	3	
Amnicola sp.	4	

DATE : August 23, 1988 10:30
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11748

REMARKS : Cobble substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	3	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Stylaria lacustris	1	
Tubificidae		
Indeterminate	1	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Orthocladiinae		
Indeterminate	1	
Chironominae		
Dicrotendipes neomodestus	5	
Pseudochironomus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	5	

DATE : August 23, 1988 13:05
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11749

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	3	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
ARTHROPODA		
Insecta		
Odonata		
Coenagrionidae		
Indeterminate	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Leptoceridae		
Ceraclea sp.	3	
Diptera		
Chironomidae		
Indeterminate	1	
Orthocladiinae		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Unionidae		
Indeterminate	6	

DATE : August 23, 1988 13:12
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11750

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	4	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	9	
ARTHROPODA		
Insecta		
Odonata		
Gomphidae		
Indeterminate	1	
Trichoptera		
Indeterminate	1	
Hydropsychidae		
Indeterminate	3	
Cheumatopsyche sp.	4	
Hydropsyche sp.	1	
Leptoceridae		
Oecetis sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	3	
Unionidae		
Indeterminate	6	

DATE : August 23, 1988 13:20
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11751

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	5	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
Haplotaxida		
Naididae		
Stylaria lacustris	1	
ARTHROPODA		
Insecta		
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	4	
Diptera		
Chironomidae		
Chironominae		
Endochironomus nigricans	2	
Glyptotendipes sp.	2	
Tanytarsus glabrescens	2	
Xenochironomus sp.	1	

DATE : August 23, 1988 13:38
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11752

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
ARTHROPODA		
Insecta		
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Cheumatopsyche sp.	3	
Leptoceridae		
Oecetis sp.	3	
Diptera		
Chironomidae		
Chironominae		
Endochironomus nigricans	1	
Glyptotendipes sp.	4	
Polypedilum illinoense	1	
Rheotanytarsus exiguus	1	
Xenochironomus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	

DATE : August 23, 1988 13:52
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11753

REMARKS : Rock substrate.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		light
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	1	
BRYOZOA		
Indeterminate		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
ARTHROPODA		
Insecta		
Neuroptera		
Sisyridae		
Climacia sp.	1	
Trichoptera		
Hydropsychidae		
Indeterminate	2	
Cheumatopsyche sp.	4	
Leptoceridae		
Ceraclea sp.	2	
Polycentropodidae		
Indeterminate	1	
Diptera		
Chironomidae		
Chironominae		
Glyptotendipes sp.	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Indeterminate	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	

DATE : August 23, 1988 14:00
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11754

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
ARTHROPODA		
Crustacea		
Cladocera		
Leptodoridae		
Indeterminate	1	
Insecta		
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	2	
Leptoceridae		
Ceraclea sp.	3	
Oecetis sp.	3	
Diptera		
Chironomidae		
Chironominae		
Glyptotendipes sp.	2	
Tanytarsus glabrescens	2	
Xenochironomus sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Unionidae		
Indeterminate	2	

DATE : August 23, 1988 14:13
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11755

REMARKS : Gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	

DATE : August 23, 1988 14:35
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11756

REMARKS : Gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
NEMATODA		
Indeterminate	1	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	3	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Indeterminate	1	
Polypedilum nr. scalaenum	7	
Tanytarsus glabrescens	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	
Sphaerium sp.	1	

DATE : August 23, 1988 14:45
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11757

REMARKS : Gravel substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	1	

DATE : August 24, 1988 11:30
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11758

REMARKS : Organic debris and sand substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
ANNELIDA		
Oligochaeta		
Indeterminate	42	
Haplotaxida		
Naididae		
Stylaria lacustris	1	
Tubificidae		
Indeterminate	10	
Branchiura sowerbyi	1	
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	5	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	2	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	4	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	8	
Hexagenia limbata	18	
Odonata		
Gomphidae		
Stylurus sp.	1	
Megaloptera		
Sialidae		
Sialis sp.	5	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	3	
Oecetis sp.	5	
Coleoptera		
Elmidae		
Dubiraphia sp.	2	
Neoelmis sp.	1	
Diptera		
Chironomidae		
Indeterminate	4	
Tanypodinae		
Indeterminate	2	
Ablabesmyia annulata	1	
Procladius sp.	28	
Orthocladiinae		
Indeterminate	1	
Chironominae		
Indeterminate	1	
Demicryptochironomus sp.	1	
Dicrotendipes sp.	1	
Dicrotendipes neomodestus	5	
Glyptotendipes sp.	3	
Lenziella sp.	1	
Micropsectra sp.	2	

(CONTINUED)

DATE : August 24, 1988 11:30
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11758

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Chironominae		
Nilothauma sp.	2	
Phaenopsectra sp.	1	
Polypedilum sp.	1	
Polypedilum nr. scalaenum	24	
Pseudochironomus sp.	4	
Stempellinella sp.	1	
Stictochironomus sp.	2	
Tanytarsus sp.	29	
Tanytarsus glabrescens	10	
Tanytarsus guerlus	4	
Tribelos sp.	5	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Indeterminate	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	7	
Pisidium sp.	25	

DATE : August 24, 1988 11:35
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11759

REMARKS : Organic debris and sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	11	
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	1	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	2	
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia sp.	12	
Hexagenia limbata	3	
Megaloptera		
Sialidae		
Sialis sp.	4	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Procladius sp.	11	
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Cryptochironomus sp.	3	
Lenziella sp.	1	
Nilothauma sp.	1	
Polypedilum sp.	1	
Polypedilum nr. scalaenum	4	
Pseudochironomus sp.	3	
Stictochironomus sp.	1	
Tanytarsus sp.	7	
Tribelos sp.	3	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	3	
Unionidae		
Indeterminate	1	

DATE : August 24, 1988 11:40
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11760

REMARKS : Organic debris and sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	12	
Haplotaxida		
Naididae		
Pristina sp.	1	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	1	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	1	
Ostracoda		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia bilineata	4	
Hexagenia limbata	8	
Trichoptera		
Leptoceridae		
Indeterminate	2	
Oecetis sp.	7	
Polycentropodidae		
Phylocentropus sp.	1	
Coleoptera		
Elmidae		
Optioservus sp.	1	
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Tanypodinae		
Procladius sp.	9	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Indeterminate	1	
Cryptochironomus sp.	1	
Demicryptochironomus sp.	1	
Glyptotendipes sp.	1	
Harnischia sp.	1	
Lenziella sp.	1	
Paralauterborniella sp.	1	
Polypedilum nr. scalaenum	4	
Pseudochironomus sp.	1	
Tanytarsus sp.	15	
Tanytarsus glabrescens	6	
Tribelos sp.	1	
Heleidae		
Indeterminate	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	21	

(CONTINUED)

DATE : August 24, 1988 11:40
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11760

Organisms	Number	Remarks
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	6	
Unionidae		
Indeterminate	1	

DATE : August 24, 1988 14:05
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11761

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	41	
Haplotaxida		
Naididae		
Pristina sp.	2	
Tubificidae		
Branchiura sowerbyi	1	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	1	
Chironominae		
Lenziella sp.	9	
Tanytarsus sp.	1	
Tanytarsus glabrescens	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	3	

DATE : August 24, 1988 14:10
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11762

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	54	
Haplotaxida		
Naididae		
Indeterminate	4	
Pristina sp.	2	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia sp.	1	
Odonata		
Gomphidae		
Indeterminate	1	
Diptera		
Chironomidae		
Prodiamesinae		
Monodiamesa sp.	2	
Orthocladiinae		
Indeterminate	1	
Chironominae		
Cryptochironomus sp.	1	
Lenziella sp.	31	
Nilothauma sp.	1	
Pseudochironomus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Sphaerium sp.	1	

DATE : August 24, 1988 14:15
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11763

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	43	
ARTHROPODA		
Insecta		
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Chironominae		
Glyptotendipes sp.	1	
Lenziella sp.	12	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	4	

DATE : August 24, 1988 14:35
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11764

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
ANNELIDA		
Oligochaeta		
Indeterminate	131	
Haplotaxida		
Naididae		
Pristina sp.	1	
Tubificidae		
Branchiura sowerbyi	20	
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	1	
Polychaeta		
Sabellidae		
Manayunkia speciosa	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	19	
Hexagenia bilineata	1	
Hexagenia limbata	3	
Odonata		
Coenagrionidae		
Indeterminate	1	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Nectopsyche sp.	11	
Oecetis sp.	3	
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Indeterminate	26	
Tanypodinae		
Ablabesmyia mallochi	1	
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	3	
Chironominae		
Indeterminate	81	
Cryptochironomus sp.	1	
Cryptotendipes sp.	2	
Dicrotendipes neomodestus	1	
Lenziella sp.	6	
Micropsectra sp.	1	
Pagastiella sp.	1	
Paralauterborniella sp.	1	

(CONTINUED)

DATE : August 24, 1988 14:35
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11764

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Chironominae		
Polypedilum nr. scalaenum	8	
Pseudochironomus sp.	1	
Tanytarsus sp.	9	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	58	
Pisidium sp.	111	
ROTATORIA		
Monogononta		
Floscularlacea		
Conochilidae		
Conochilus sp.		

DATE : August 24, 1988 14:40
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11765

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	100	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	21	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia sp.	11	
Hexagenia bilineata	5	
Hexagenia limbata	5	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Mystacides sp.	1	
Oecetis sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Procladius sp.	4	
Prodiamesinae		
Monodiamesa sp.	2	
Orthocladiinae		
Indeterminate	1	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	5	
Cryptotendipes sp.	2	
Demicryptochironomus sp.	1	
Lenziella sp.	7	
Micropsectra sp.	1	
Polypedilum nr. scalaenum	3	
Pseudochironomus sp.	4	
Tanytarsus sp.	19	
Tanytarsus glabrescens	2	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Musculium sp.	1	
Pisidium sp.	34	
Pisidium henslowanum	35	

DATE : August 24, 1988 14:45
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11766

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	117	
Haplotaxida		
Naididae		
Indeterminate	1	
Pristina sp.	1	
Tubificidae		
Branchiura sowerbyi	43	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	8	
Hexagenia limbata	3	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Nectopsyche sp.	1	
Oecetis sp.	9	
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Indeterminate	5	
Tanypodinae		
Procladius sp.	4	
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Cryptochironomus sp.	3	
Lenziella sp.	2	
Nilothauma sp.	1	
Pagastiella sp.	1	
Polypedilum nr. scalaenum	3	
Pseudochironomus sp.	3	
Stempellinella sp.	1	
Stictochironomus sp.	1	
Tanytarsus sp.	12	
Tanytarsus glabrescens	2	
Tribelos sp.	1	
Heleidae		
Indeterminate	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	146	
Pisidium sp.	40	
Pisidium henslowanum	33	

DATE : August 24, 1988 8:15
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11767

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	2	
ANNELIDA		
Oligochaeta		
Indeterminate	4	
Haplotaxida		
Naididae		
Indeterminate	11	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia bilineata	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	3	
Molannidae		
Molanna sp.	1	
Diptera		
Chironomidae		
Indeterminate	4	
Tanypodinae		
Ablabesmyia mallochi	1	
Chironominae		
Endochironomus subtendens	1	
Glyptotendipes sp.	4	
Micropsectra sp.	2	
Pseudochironomus sp.	1	
Tanytarsus sp.	1	
Tanytarsus glabrescens	1	
Tanytarsus guerlus	1	
Tribelos sp.	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Ancylidae		
Indeterminate	1	
Mesogastropoda		
Hydrobiidae		
Indeterminate	2	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	26	
Pisidium sp.	1	
Pisidium henslowanum	10	

DATE : August 24, 1988 8:20
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11768

REMARKS : Sand and rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Indeterminate	1	
Pristina sp.	1	
ARTHROPODA		
Insecta		
Odonata		
Gomphidae		
Dromogomphus sp.	1	
Trichoptera		
Polycentropodidae		
Polycentropus sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	1	
Chironominae		
Endochironomus nigricans	1	
Endochironomus subtendens	2	
Glyptotendipes sp.	1	
Micropsectra sp.	1	
Pseudochironomus sp.	1	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	5	
Pisidium henslowanum	3	

DATE : August 24, 1988 8:25
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11769

REMARKS : Sand and rock substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Indeterminate	12	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Indeterminate	2	
Chironominae		
Axarus sp.	2	
Dicrotendipes neomodestus	1	
Endochironomus nigricans	1	
Endochironomus subtendens	1	
Pseudochironomus sp.	1	
Tanytarsus sp.	1	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Ancylidae		
Ferrissia sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Pisidium henslowanum	1	

DATE : August 24, 1988 8:40
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11770

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	2	
Haplotaxida		
Naididae		
Pristina sp.	1	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Helobdella elongata	1	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Prodiamesinae		
Monodiamesa sp.	3	

DATE : August 24, 1988 8:45
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11771

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	2	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Demicryptochironomus sp.	2	
Lenziella sp.	1	
Polypedilum nr. scalaenum	1	
Tanytarsus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	4	
Pisidium henslowanum	1	

DATE : August 24, 1988 8:50
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11772

REMARKS : Sand, silt and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	15	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	1	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	1	
Megaloptera		
Sialidae		
Sialis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	3	
Chironominae		
Indeterminate	1	
Tanytarsus sp.	2	
Tribelos sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	8	

DATE : August 24, 1988 9:12
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11773

REMARKS : Sand, silt and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	15	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia limbata	2	
Odonata		
Gomphidae		
Dromogomphus sp.	1	
Megaloptera		
Sialidae		
Sialis sp.	2	
Trichoptera		
Leptoceridae		
Indeterminate	1	
Coleoptera		
Elmidae		
Dubiraphia sp.	7	
Optioservus sp.	1	
Diptera		
Chironomidae		
Indeterminate	2	
Tanypodinae		
Ablabesmyia sp.	1	
Ablabesmyia annulata	1	
Ablabesmyia mallochi	1	
Clinotanypus sp.	1	
Procladius sp.	22	
Chironominae		
Chironomus sp.	1	
Micropsectra sp.	1	
Paralauterborniella sp.	2	
Polypedilum nr. scalaenum	6	
Pseudochironomus sp.	1	
Stictochironomus sp.	1	
Tanytarsus sp.	8	
Tanytarsus glabrescens	1	
Tribelos sp.	6	
Heleidae		
Indeterminate	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	45	
Pisidium sp.	1	

DATE : August 24, 1988 9:18
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11774

REMARKS : Sand, silt and organic debris substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
ANNELIDA		
Oligochaeta		
Indeterminate	38	
Haplotaxida		
Naididae		
Indeterminate	2	
Tubificidae		
Branchiura sowerbyi	2	
Lumbriculida		
Lumbriculidae		
Indeterminate	2	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	6	
Hexagenia sp.	3	
Hexagenia limbata	1	
Litobrancha recurvata	1	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	2	
Oecetis sp.	1	
Coleoptera		
Elmidae		
Dubiraphia sp.	6	
Optioservus sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	11	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Axarus sp.	1	
Paralauterborniella sp.	1	
Polypedilum sp.	1	
Polypedilum nr. scalaenum	1	
Stictochironomus sp.	2	
Tanytarsus sp.	18	
Tanytarsus glabrescens	1	
Heleidae		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	74	
Pisidium sp.	6	
Pisidium henslowanum	2	

DATE : August 24, 1988 9:25
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11775

REMARKS : Sand, silt and organic debris substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	5	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	2	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	1	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	5	
Hexagenia limbata	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	2	
Coleoptera		
Elmidae		
Dubiraphia sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Clinotanypus sp.	1	
Coelotanypus sp.	1	
Procladius sp.	22	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Indeterminate	1	
Polypedilum nr. scalaenum	1	
Stictochironomus sp.	3	
Tanytarsus sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	201	
Pisidium henslowanum	1	

DATE : September 27, 1988 12:00
LOCATION : Station 4-Vermont
METHOD : Cage sampler, 32 days
SAMPLE : 11737

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	25	
ANNELIDA		
Oligochaeta		
Indeterminate	21	
Haplotaxida		
Naididae		
Indeterminate	1	
Tubificidae		
Branchiura sowerbyi	7	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Placobdella sp.	1	
ARTHROPODA		
Arachnoidea		
Araneae		
Indeterminate	1	
Crustacea		
Amphipoda		
Talitridae		
Hyalella azteca	2	
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	1	
Insecta		
Odonata		
Aeschnidae		
Basiaeschna sp.	1	
Coenagrionidae		
Enallagma sp.	1	
Corduliidae		
Tetragoneuria sp.	2	
Trichoptera		
Hydroptilidae		
Hydroptilinae		
Agraylea sp.	3	
Oxyethira sp.	2	
Leptoceridae		
Nectopsyche sp.	2	
Oecetis sp.	2	
Triaenodes sp.	1	
Polycentropodidae		
Indeterminate	1	
Polycentropus sp.	1	
Corrodentia		
Indeterminate	1	
Diptera		
Chironomidae		
Indeterminate	9	
Tanypodinae		
Clinotanypus sp.	1	
Procladius sp.	1	
Orthocladiinae		
Cricotopus sylvestris	1	

(CONTINUED)

DATE : September 27, 1988 12:00
LOCATION : Station 4-Vermont
METHOD : Cage sampler, 32 days
SAMPLE : 11737

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Chironominae		
Dicrotendipes neomodestus	4	
Endochironomus sp.	1	
Glyptotendipes sp.	7	
Phaenopsectra sp.	1	
Polypedilum sp.	1	
Tribelos sp.	52	
Empididae		
Hemerodromia sp.	1	
Homoptera		
Indeterminate	3	

DATE : October 11, 1988 10:40
LOCATION : Station 2-Vermont
METHOD : Cage sampler, 46 days
SAMPLE : 11732

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	195	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	6	
Dugesia tigrina	19	
NEMATODA		
Indeterminate	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		
ANNELIDA		
Oligochaeta		
Indeterminate	98	
Haplotaxida		
Naididae		
Indeterminate	9	
Tubificidae		
Branchiura sowerbyi	2	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Crustacea		
Amphipoda		
Gammaridae		
Synurella sp.	7	
Talitridae		
Hyalella azteca	1	
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	2	
Ostracoda		
Indeterminate	1	
Insecta		
Ephemeroptera		
Heptageniidae		
Indeterminate	3	
Stenonema sp.	3	
Tricorythidae		
Tricorythodes sp.	1	
Odonata		
Aeschnidae		
Boyeria sp.	2	
Coenagrionidae		
Indeterminate	1	
Enallagma sp.	2	
Gomphidae		
Ophiogomphus sp.	1	

(CONTINUED)

DATE : October 11, 1988 10:40
LOCATION : Station 2-Vermont
METHOD : Cage sampler, 46 days
SAMPLE : 11732

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Odonata		
Macromiidae		
Macromia sp.	3	
Megaloptera		
Sialidae		
Sialis sp.	2	
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Cheumatopsyche sp.	16	
Hydroptilidae		
Hydroptilinae		
Agraylea sp.	1	
Leptoceridae		
Oecetis sp.	3	
Triaenodes sp.	2	
Polycentropodidae		
Cernotina sp.	4	
Neureclipsis sp.	34	
Polycentropus sp.	8	
Coleoptera		
Elmidae		
Dubiraphia sp.	1	
Diptera		
Chironomidae		
Indeterminate	15	
Tanypodinae		
Ablabesmyia parajanta	1	
Thienemannimyia sp.	4	
Chironominae		
Indeterminate	76	
Dicrotendipes neomodestus	2	
Glyptotendipes sp.	2	
Rheotanytarsus sp.	73	
Rheotanytarsus exiguus	20	
Heleidae		
Indeterminate	2	
MOLLUSCA		
Gastropoda		
Indeterminate	4	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	
Sphaerium sp.	1	

DATE : October 12, 1988 9:05
LOCATION : Station 3-Vermont
METHOD : Cage sampler, 50 days
SAMPLE : 11734

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		light
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	47	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	4	
Dugesia tigrina	10	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		very heavy
Phylactolaemata		
Fredericellidae		
Fredericella sultana		heavy
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	161	
Haplotaxida		
Naididae		
Indeterminate	29	
ARTHROPODA		
Arachnoidea		
Araneae		
Indeterminate	1	
Hydracarina		
Indeterminate	2	
Crustacea		
Amphipoda		
Gammaridae		
Synurella sp.	1	
Talitridae		
Hyalella azteca	4	
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	2	
Ostracoda		
Indeterminate	3	
Insecta		
Ephemeroptera		
Caenidae		
Caenis sp.	1	
Heptageniidae		
Indeterminate	8	
Stenonema sp.	3	

(CONTINUED)

DATE : October 12, 1988 9:05
LOCATION : Station 3-Vermont
METHOD : Cage sampler, 50 days
SAMPLE : 11734

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Ephemeroptera		
Tricorythidae		
Tricorythodes sp.	1	
Odonata		
Aeschnidae		
Basiaeschna sp.	1	
Coenagrionidae		
Indeterminate	1	
Argia sp.	1	
Enallagma sp.	5	
Corduliidae		
Neurocordulia sp.	4	
Neuroptera		
Sisyridae		
Climacia sp.	2	
Trichoptera		
Hydropsychidae		
Indeterminate	73	
Cheumatopsyche sp.	82	
Hydroptilidae		
Indeterminate	1	
Hydroptilinae		
Agraylea sp.	9	
Hydroptila sp.	2	
Leptoceridae		
Nectopsyche sp.	2	
Oecetis sp.	1	
Polycentropodidae		
Neureclipsis sp.	6	
Polycentropus sp.	3	
Lepidoptera		
Indeterminate	1	
Coleoptera		
Elmidae		
Stenelmis sp.	1	
Diptera		
Chironomidae		
Indeterminate	298	
Tanypodinae		
Indeterminate	30	
Ablabesmyia sp.	1	
Thienemannimyia sp.	10	
Orthocladiinae		
Indeterminate	5	
Chironominae		
Indeterminate	1084	
Dicrotendipes sp.	13	
Endochironomus nigricans	17	
Glyptotendipes sp.	331	
Micropsectra sp.	2	
Microtendipes sp.	5	
Parachironomus sp.	1	
Rheotanytarsus sp.	6	
Rheotanytarsus exiguus	14	
Empididae		
Hemerodromia sp.	13	
Tipulidae		
Indeterminate	1	
MOLLUSCA		
Gastropoda		
Indeterminate	4	

(CONTINUED)

DATE : October 12, 1988 9:05
LOCATION : Station 3-Vermont
METHOD : Cage sampler, 50 days
SAMPLE : 11734

Organisms	Number	Remarks
MOLLUSCA		
Gastropoda		
Basommatophora		
Lymnaeidae		
Lymnaea sp.	5	
Mesogastropoda		
Hydrobiidae		
Indeterminate	2	
Amnicola sp.	40	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Musculium sp.	1	

DATE : October 12, 1988 12:40
LOCATION : Station 4-Vermont
METHOD : Cage sampler, 47 days
SAMPLE : 11736

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	2	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	3	
Amphipoda		
Talitridae		
Hyalella azteca	1	
Insecta		
Odonata		
Corduliidae		
Epicordulia sp.	1	
Tetragoneuria sp.	1	
Trichoptera		
Hydroptilidae		
Hydroptilinae		
Hydroptila sp.	1	
Leptoceridae		
Mystacides sp.	1	
Nectopsyche sp.	6	
Oecetis sp.	3	
Triaenodes sp.	6	
Polycentropodidae		
Indeterminate	1	
Phylocentropus sp.	2	
Polycentropus sp.	5	
Diptera		
Chironomidae		
Indeterminate	1	
Tanypodinae		
Procladius sp.	6	
Orthocladiinae		
Cricotopus sp.	1	
Cricotopus bicinctus	1	
Chironominae		
Indeterminate	1	
Chironomus sp.	1	
Dicrotendipes sp.	1	
Endochironomus nigricans	2	
Glyptotendipes sp.	4	
Polypedilum illinoense	1	
Pseudochironomus sp.	2	
Tribelos sp.	9	

DATE : October 12, 1988 13:56
LOCATION : Station 5-Vermont
METHOD : Cage sampler, 49 days
SAMPLE : 11738

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	43	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	3	
Dugesia tigrina	64	
BRYOZOA		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
ANNELIDA		
Oligochaeta		
Indeterminate	7	
Haplotaxida		
Naididae		
Indeterminate	4	
Stylaria lacustris	5	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	1	
Polychaeta		
Sabellidae		
Manayunkia speciosa	1	
ARTHROPODA		
Crustacea		
Decapoda		
Cambaridae		
Cambarinae		
Orconectes limosus	1	
Insecta		
Ephemeroptera		
Caenidae		
Caenis sp.	1	
Heptageniidae		
Stenacron sp.	1	
Odonata		
Indeterminate	1	
Coenagrionidae		
Argia sp.	1	
Enallagma sp.	3	
Trichoptera		
Hydroptilidae		
Indeterminate	1	
Hydroptilinae		
Hydroptila sp.	3	
Orthotrichiinae		
Orthotrichia sp.	2	
Leptoceridae		
Mystacides sp.	8	
Nectopsyche sp.	2	
Oecetis sp.	16	
Triaenodes sp.	2	
Polycentropodidae		
Indeterminate	1	

(CONTINUED)

DATE : October 12, 1988 13:56
LOCATION : Station 5-Vermont
METHOD : Cage sampler, 49 days
SAMPLE : 11738

Organisms	Number	Remarks
ARTHROPODA		
Insecta		
Trichoptera		
Polycentropodidae		
Cernotina sp.	2	
Polycentropus sp.	14	
Diptera		
Chironomidae		
Indeterminate	133	
Tanypodinae		
Indeterminate	1	
Chironominae		
Dicrotendipes neomodestus	18	
Dicrotendipes nervosus	2	
Endochironomus nigricans	7	
Glyptotendipes sp.	339	
Tanytarsus glabrescens	1	
Empididae		
Hemerodromia sp.	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Ancylidae		
Indeterminate	8	
Mesogastropoda		
Hydrobiidae		
Indeterminate	1	
Amnicola sp.	5	

DATE : October 11, 1988 9:05
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11918

REMARKS : Rock substrate.

Organisms	Number	Remarks
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light

DATE : October 11, 1988 9:10
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11919

REMARKS : Rock substrate.

Organisms	Number	Remarks
COELENTERATA		
Hydrozoa		
Hydroida		
Hydridae		
Hydra sp.	1	
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	25	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		
Phylactolaemata		
Fredericellidae		
Fredericella sultana		
Lophopodidae		
Lophopodella carteri		
ANNELIDA		
Oligochaeta		
Indeterminate	35	
Haplotaxida		
Naididae		
Indeterminate	7	
Stylaria lacustris	8	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	
Polycentropodidae		
Cyrnellus sp.	1	
Diptera		
Chironomidae		
Indeterminate	6	
MOLLUSCA		
Gastropoda		
Indeterminate	1	
Basommatophora		
Physidae		
Physa sp.	6	
Planorbidae		
Gyraulus sp.	7	
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	2	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	19	
Sphaerium sp.	3	

DATE : October 11, 1988 9:15
LOCATION : Station 2-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11920

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	4	
Haplotaxida		
Naididae		
Indeterminate	4	
Stylaria lacustris	2	
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	2	
ARTHROPODA		
Insecta		
Trichoptera		
Polycentropodidae		
Polycentropus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	
Sphaerium sp.	3	

DATE : October 11, 1988 9:25
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11921

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	5	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Indeterminate	1	
MOLLUSCA		
Gastropoda		
Indeterminate	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	2	
Unionidae		
Indeterminate	1	

DATE : October 11, 1988 9:35
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11922

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	7	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
ANNELIDA		
Oligochaeta		
Indeterminate	7	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Musculium sp.	1	
Sphaerium sp.	5	
Unionidae		
Indeterminate	1	

DATE : October 11, 1988 9:40
LOCATION : Station 2-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11923

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	2	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Ancylidae		
Indeterminate	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Sphaerium sp.	2	
Unionidae		
Indeterminate	4	

DATE : October 11, 1988 10:00
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11924

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Indeterminate	1	
Dugesia tigrina	15	
ANNELIDA		
Oligochaeta		
Indeterminate	5	
Haplotaxida		
Naididae		
Stylaria lacustris	4	
ARTHROPODA		
Insecta		
Plecoptera		
Taeniopterygidae		
Taeniopteryx sp.	1	
Ephemeroptera		
Heptageniidae		
Indeterminate	2	
Stenonema sp.	2	
Tricorythidae		
Tricorythodes sp.	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Leptoceridae		
Oecetis sp.	6	
Polycentropodidae		
Indeterminate	1	
Neureclipsis sp.	1	
Polycentropus sp.	2	
Diptera		
Chironomidae		
Indeterminate	7	
Orthocladiinae		
Indeterminate	3	
Chironominae		
Indeterminate	106	
Dicrotendipes neomodestus	2	
Rheotanytarsus sp.	3	
Rheotanytarsus exiguus	24	
MOLLUSCA		
Gastropoda		
Basommatophora		
Physidae		
Physa sp.	5	
Planorbidae		
Gyraulus sp.	8	
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	16	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	4	
Sphaerium sp.	12	

DATE : October 11, 1988 10:05
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11925

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	7	
ANNELIDA		
Oligochaeta		
Haplotaxida		
Naididae		
Stylaria lacustris	2	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Indeterminate	1	
Stenonema sp.	2	
Trichoptera		
Hydropsychidae		
Indeterminate	1	
Hydropsyche sp.	1	
Leptoceridae		
Oecetis sp.	4	
Diptera		
Chironomidae		
Indeterminate	2	
MOLLUSCA		
Gastropoda		
Basommatophora		
Physidae		
Physa sp.	1	

DATE : October 11, 1988 10:10
LOCATION : Station 2-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11926

REMARKS : Rock substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	10	
ANNELIDA		
Oligochaeta		
Lumbriculida		
Lumbriculidae		
Lumbriculus sp.	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Heptageniidae		
Stenonema sp.	7	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	2	
Leptoceridae		
Ceraclea sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
Chironominae		
Rheotanytarsus exiguus	1	
MOLLUSCA		
Gastropoda		
Basommatophora		
Planorbidae		
Gyraulus sp.	2	
Helisoma sp.	1	
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	
Sphaerium sp.	8	
Unionidae		
Indeterminate	1	

DATE : October 11, 1988 13:00
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11909

REMARKS : Rock substrate.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		light
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		moderate
Phylactolaemata		
Fredericellidae		
Fredericella sultana		moderate
Plumatellidae		
Plumatella repens		moderate
Lophopodidae		
Lophopodella carteri		light
Pectinatellidae		
Pectinatella magnifica		light
ANNELIDA		
Oligochaeta		
Indeterminate	14	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Indeterminate	3	
MOLLUSCA		
Gastropoda		
Mesogastropoda		
Hydrobiidae		
Amnicola sp.	1	
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Unionidae		
Indeterminate	1	

DATE : October 11, 1988 13:05
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11910

REMARKS : Rock substrate.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		moderate
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	4	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium henslowanum	1	
Sphaerium sp.	2	

DATE : October 11, 1988 13:10
LOCATION : Station 3-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11911

REMARKS : Rock substrate.

Organisms	Number	Remarks
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella repens		heavy
ANNELIDA		
Oligochaeta		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	5	
Unionidae		
Indeterminate	3	

DATE : October 11, 1988 13:26
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11912

REMARKS : Rock substrate.

Organisms	Number	Remarks
PORIFERA		
Demospongea		
Haplosclerina		
Spongillidae		
Indeterminate		light
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Plumatellidae		
Plumatella repens		light
Lophopodidae		
Lophopodella carteri		light
ARTHROPODA		
Insecta		
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Sphaerium sp.	1	

DATE : October 11, 1988 13:32
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11913

REMARKS : Rock substrate.

Organisms	Number	Remarks
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
Pectinatellidae		
Pectinatella magnifica		moderate
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Ceraclea sp.	1	

DATE : October 11, 1988 13:37
LOCATION : Station 3-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11914

REMARKS : Rock substrate.

Organisms	Number	Remarks
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		moderate
ANNELIDA		
Oligochaeta		
Indeterminate	1	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Unionidae		
Indeterminate	2	

DATE : October 11, 1988 13:49
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11915

REMARKS : Sand and gravel substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		moderate
ANNELIDA		
Oligochaeta		
Indeterminate	7	
ARTHROPODA		
Insecta		
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Hydropsyche sp.	1	
Diptera		
Chironomidae		
Prodiamesinae		
Monodiamesa sp.	1	
Homoptera		
Aphididae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	3	
Sphaerium sp.	2	
Unionidae		
Indeterminate	2	

DATE : October 11, 1988 13:55
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11916

REMARKS : Sand and gravel substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
BRYOZOA		
Gymnolaemata		
Ctenostomata		
Paludicellidae		
Paludicella articulata		light
Phylactolaemata		
Fredericellidae		
Fredericella sultana		light
Plumatellidae		
Plumatella sp.		light
Lophopodidae		
Lophopodella carteri		light
ANNELIDA		
Oligochaeta		
Indeterminate	5	
ARTHROPODA		
Insecta		
Diptera		
Chironomidae		
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Polypedilum nr. scalaenum	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Pisidium henslowanum	3	
Sphaerium sp.	6	
Unionidae		
Indeterminate	2	

DATE : October 11, 1988 14:05
LOCATION : Station 3-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11917

REMARKS : Sand and gravel substrate.

Organisms	Number	Remarks
BRYOZOA		
Phylactolaemata		
Lophopodidae		
Lophopodella carteri		light
ARTHROPODA		
Insecta		
Odonata		
Gomphidae		
Stylurus sp.	1	
Trichoptera		
Hydropsychidae		
Cheumatopsyche sp.	1	
Diptera		
Chironomidae		
Chironominae		
Polypedilum nr. scalaenum	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	1	
Sphaerium sp.	3	
Unionidae		
Indeterminate	1	

DATE : October 10, 1988 15:25
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11900

REMARKS : Sand substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	2	
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	11	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	4	
Crustacea		
Ostracoda		
Indeterminate	2	
Insecta		
Diptera		
Chironomidae		
Indeterminate	4	
Chironominae		
Cryptochironomus sp.	1	
Demicryptochironomus sp.	1	
Polypedilum sp.	1	
Polypedilum nr. scalaenum	2	
Robackia sp.	1	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	12	
Pisidium sp.	3	
Pisidium henslowanum	3	

DATE : October 10, 1988 15:30
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11901

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	8	
Haplotaxida		
Naididae		
Indeterminate	8	
Polychaeta		
Sabellidae		
Manayunkia speciosa	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	2	
Hexagenia limbata	6	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	2	
Tanypodinae		
Ablabesmyia annulata	1	
Chironominae		
Cryptochironomus sp.	1	
Polypedilum nr. scalaenum	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	33	
Pisidium henslowanum	3	

DATE : October 10, 1988 15:35
LOCATION : Station 4-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11902

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	6	
ARTHROPODA		
Insecta		
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Pisidium henslowanum	2	

DATE : October 10, 1988 15:46
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11903

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	8	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	1	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	4	
Hexagenia sp.	4	
Hexagenia limbata	13	
Diptera		
Chironomidae		
Indeterminate	48	
Tanypodinae		
Djalmabatista sp.	9	
Procladius sp.	11	
Chironominae		
Cryptochironomus sp.	2	
Demicryptochironomus sp.	6	
Polypedilum nr. scalaenum	19	
Tribelos sp.	7	
Heleidae		
Indeterminate	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	33	

DATE : October 10, 1988 15:51
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11904

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	111	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	3	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	1	
Hexagenia limbata	6	
Diptera		
Chironomidae		
Indeterminate	7	
Tanypodinae		
Procladius sp.	1	
Diamesinae		
Potthastia sp.	1	
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Cryptochironomus sp.	3	
Demicryptochironomus sp.	3	
Pagastiella sp.	2	
Polypedilum nr. scalaenum	6	
Pseudochironomus sp.	1	
Tanytarsus sp.	1	
Tribelos sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	8	
Pisidium sp.	2	
Pisidium henslowanum	1	

DATE : October 10, 1988 15:57
LOCATION : Station 4-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11905

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	49	
Haplotaxida		
Naididae		
Pristina sp.	2	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Indeterminate	3	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Hexagenia limbata	1	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Indeterminate	34	
Tanypodinae		
Ablabesmyia sp.	1	
Clinotanypus sp.	1	
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	2	
Demicryptochironomus sp.	1	
Polypedilum nr. scalaenum	40	
Tribelos sp.	88	
Heleidae		
Indeterminate	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	

DATE : October 10, 1988 16:10
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11906

REMARKS : Sand substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	103	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	3	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	2	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia limbata	5	
Trichoptera		
Leptoceridae		
Triaenodes sp.	1	
Diptera		
Chironomidae		
Indeterminate	108	
Tanypodinae		
Procladius sp.	1	
Chironominae		
Cryptochironomus sp.	5	
Polypedilum nr. scalaenum	1	
Pseudochironomus sp.	1	
Tanytarsus sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	19	
Pisidium sp.	20	
Pisidium henslowanum	7	

DATE : October 10, 1988 16:15
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11907

REMARKS : Sand substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	43	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia limbata	5	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	2	
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Cryptochironomus sp.	2	
Demicryptochironomus sp.	1	
Tanytarsus sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Pisidium sp.	5	
Pisidium henslowanum	3	

DATE : October 10, 1988 16:20
LOCATION : Station 4-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11908

REMARKS : Sand substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	52	
ARTHROPODA		
Arachnoidea		
Hydracarina		
Indeterminate	3	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia limbata	5	
Diptera		
Chironomidae		
Indeterminate	14	
Tanypodinae		
Procladius sp.	1	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Cryptochironomus sp.	2	
Dicrotendipes sp.	1	
Pagastiella sp.	1	
Polypedilum nr. scalaenum	3	
Pseudochironomus sp.	1	
Stempellinella sp.	1	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	3	
Pisidium sp.	6	
Pisidium henslowanum	2	

DATE : October 10, 1988 13:46
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11891

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	21	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	2	
Hexagenia sp.	3	
Hexagenia limbata	23	
Megaloptera		
Sialidae		
Sialis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	8	
Diamesinae		
Potthastia sp.	1	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	2	
Demicryptochironomus sp.	3	
Glyptotendipes sp.	1	
Nilothauma sp.	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	33	
Pisidium sp.	2	
Pisidium henslowanum	1	

DATE : October 10, 1988 13:50
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11892

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	7	
Haplotaxida		
Naididae		
Pristina sp.	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	1	
Hexagenia sp.	2	
Hexagenia limbata	13	
Diptera		
Chironomidae		
Chironominae		
Indeterminate	1	
Cryptochironomus sp.	1	
Glyptotendipes sp.	1	
Harnischia sp.	1	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	9	
Pisidium henslowanum	2	

DATE : October 10, 1988 13:56
LOCATION : Station 5-Vermont
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11893

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	66	
Haplotaxida		
Naididae		
Indeterminate	2	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia limbata	24	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Indeterminate	18	
Tanypodinae		
Procladius sp.	7	
Chironominae		
Indeterminate	1	
Chironomus sp.	3	
Cryptochironomus sp.	2	
Demicryptochironomus sp.	6	
Nilothauma sp.	1	
Polypedilum nr. scalaenum	3	
Tanytarsus sp.	6	
Tribelos sp.	1	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	19	
Pisidium sp.	1	
Pisidium henslowanum	2	

DATE : October 10, 1988 14:21
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11894

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	52	
Haplotaxida		
Naididae		
Indeterminate	1	
Tubificidae		
Branchiura sowerbyi	2	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	3	
Hexagenia limbata	16	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chironomidae		
Indeterminate	20	
Tanypodinae		
Procladius sp.	4	
Prodiamesinae		
Monodiamesa sp.	1	
Chironominae		
Cryptochironomus sp.	2	
Demicryptochironomus sp.	3	
Polypedilum nr. scalaenum	3	
Tanytarsus sp.	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	4	
Pisidium henslowanum	5	
Sphaerium sp.	1	

DATE : October 10, 1988 14:26
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11895

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
PLATYHELMINTHES		
Turbellaria		
Tricladida		
Planariidae		
Dugesia tigrina	1	
ANNELIDA		
Oligochaeta		
Indeterminate	26	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	1	
Hexagenia limbata	6	
Diptera		
Chironomidae		
Tanypodinae		
Procladius sp.	3	
Diamesinae		
Potthastia sp.	1	
Prodiamesinae		
Monodiamesa sp.	2	
Chironominae		
Cryptochironomus sp.	3	
Demicryptochironomus sp.	4	
Polypedilum nr. scalaenum	2	
Pseudochironomus sp.	1	
Tanytarsus sp.	4	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	2	
Pisidium henslowanum	2	

DATE : October 10, 1988 14:30
LOCATION : Station 5-Midstream
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11896

REMARKS : Sand and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	36	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	5	
Hexagenia limbata	4	
Trichoptera		
Leptoceridae		
Nectopsyche sp.	1	
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Indeterminate	26	
Tanypodinae		
Procladius sp.	14	
Chironominae		
Demicryptochironomus sp.	2	
Polypedilum nr. scalaenum	1	
Pseudochironomus sp.	1	
Tanytarsus sp.	2	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium sp.	1	

DATE : October 10, 1988 14:45
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11897

REMARKS : Silt and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	36	
Haplotaxida		
Naididae		
Indeterminate	1	
Pristina sp.	3	
Tubificidae		
Branchiura sowerbyi	1	
Hirudinea		
Rhynchobdellida		
Glossiphonidae		
Actinobdella sp.	1	
ARTHROPODA		
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	6	
Hexagenia limbata	20	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	1	
Diptera		
Chironomidae		
Tanypodinae		
Coelotanypus sp.	3	
Djalmabatista sp.	1	
Procladius sp.	36	
Chironominae		
Cryptochironomus sp.	3	
Demicryptochironomus sp.	1	
Pagastiella sp.	1	
Tanytarsus sp.	3	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Pisidium henslowanum	3	

DATE : October 10, 1988 14:50
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11898

REMARKS : Silt and organic debris substrate.

Organisms	Number	Remarks
ANNELIDA		
Oligochaeta		
Indeterminate	28	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	1	
ARTHROPODA		
Crustacea		
Isopoda		
Asellidae		
Asellus sp.	1	
Insecta		
Ephemeroptera		
Ephemeridae		
Indeterminate	1	
Hexagenia limbata	7	
Odonata		
Gomphidae		
Stylurus sp.	1	
Megaloptera		
Sialidae		
Sialis sp.	1	
Trichoptera		
Leptoceridae		
Oecetis sp.	3	
Coleoptera		
Elmidae		
Dubiraphia sp.	4	
Diptera		
Chironomidae		
Indeterminate	16	
Tanypodinae		
Ablabesmyia annulata	1	
Coelotanypus sp.	1	
Djalmabatista sp.	2	
Procladius sp.	48	
Chironominae		
Chironomus sp.	1	
Cryptochironomus sp.	3	
Demicryptochironomus sp.	3	
Polypedilum nr. scalaenum	9	
Pseudochironomus sp.	1	
Tanytarsus sp.	2	
Tribelos sp.	17	
Heleidae		
Indeterminate	1	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	44	

DATE : October 10, 1988 14:55
LOCATION : Station 5-New Hampshire
METHOD : Ekman dredge (9 inch), 3 hauls
SAMPLE : 11899

REMARKS : Silt and organic debris substrate.

Organisms	Number	Remarks
NEMATODA		
Indeterminate	1	
ANNELIDA		
Oligochaeta		
Indeterminate	136	
Haplotaxida		
Tubificidae		
Branchiura sowerbyi	9	
ARTHROPODA		
Crustacea		
Ostracoda		
Indeterminate	2	
Insecta		
Ephemeroptera		
Caenidae		
Caenis sp.	1	
Ephemeridae		
Indeterminate	6	
Hexagenia limbata	14	
Diptera		
Chaoboridae		
Chaoborus sp.	1	
Chironomidae		
Indeterminate	9	
Tanypodinae		
Indeterminate	1	
Coelotanypus sp.	1	
Djalmabatista sp.	1	
Procladius sp.	34	
Chironominae		
Cryptochironomus sp.	4	
Demicryptochironomus sp.	2	
Polypedilum nr. scalaenum	5	
Pseudochironomus sp.	1	
Stictochironomus sp.	2	
Tanytarsus sp.	1	
Heleidae		
Indeterminate	3	
MOLLUSCA		
Pelecypoda		
Prionodesmacea		
Sphaeriidae		
Indeterminate	43	
Pisidium sp.	10	
Pisidium henslowanum	6	

Appendix E

Fish

END TIME: April 1, 1988 9:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.0 hours
SAMPLE : 11342

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	167	54		
2	1	Yellow Perch	125	23		
3	1	Yellow Perch	94	10		
4	1	Yellow Perch	84	6.0		
5	1	Yellow Perch	86	8.0		
6	1	Yellow Perch	78	5.0		
7	1	Yellow Perch	84	7.0		
8	1	White Sucker	107	14		
9	1	White Sucker	101	11		
10	1	Bluegill	122	41		
11	1	Lepomis sp.	44	2.0		
12	1	Lepomis sp.	43	1.0		
13	1	Spottail Shiner	110	12		
14	1	Spottail Shiner	105	9.0		
15	1	Spottail Shiner	73	4.0		
16	1	Spottail Shiner	62	4.0		
17	1	Spottail Shiner	69	3.0		

END TIME: April 5, 1988 11:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 98.5 hours
SAMPLE : 11343

No catch for this collection.

END TIME: April 6, 1988 9:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.0 hours
SAMPLE : 11344

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	217	132		
2	1	Yellow Perch	184	74		
3	1	Yellow Perch	147	36		
4	1	Yellow Perch	149	32		
5	1	Yellow Perch	139	28		
6	1	Yellow Perch	125	22		
7	1	Yellow Perch	124	21		
8	1	Yellow Perch	89	7.0		
9	1	Yellow Perch	95	9.0		
10	1	Yellow Perch	105	12		
11	1	Yellow Perch	95	9.0		
12	1	Yellow Perch	96	10		
13	1	Yellow Perch	90	8.0		
14	1	Yellow Perch	89	7.0		
15	1	Yellow Perch	87	6.0		
16	1	Yellow Perch	87	7.0		
17	1	Yellow Perch	90	7.0		
18	1	Yellow Perch	96	11		
19	1	Yellow Perch	80	5.0		
20	1	Yellow Perch	90	8.0		
21	1	Yellow Perch	84	6.0		
22	1	Yellow Perch	83	6.0		
23	1	Yellow Perch	83	6.0		
24	1	Yellow Perch	75	4.0		
25	1	Yellow Perch	117	17		
26	1	Yellow Perch	82	6.0		
27	1	Yellow Perch	67	3.0		
28	1	Yellow Perch	84	7.0		
29	1	Yellow Perch	63	3.0		
30	1	Largemouth Bass	81	6.0		
31	1	Bluegill	195	162		
32	1	Bluegill	127	41		
33	1	Bluegill	114	27		
34	1	Rock Bass	62	5.0		
35	1	Rock Bass	63	5.0		
36	1	Rock Bass	63	6.0		
37	1	Rock Bass	57	4.0		
38	1	Rock Bass	57	4.0		
39	1	Rock Bass	58	4.0		
40	1	Lepomis sp.	64	5.0		
41	1	Lepomis sp.	52	3.0		
42	1	Lepomis sp.	55	3.0		
43	1	Lepomis sp.	56	3.0		
44	1	Lepomis sp.	54	3.0		
45	1	Lepomis sp.	46	2.0		
46	1	Lepomis sp.	46	2.0		
47	1	Lepomis sp.	45	2.0		
48	1	Lepomis sp.	43	1.0		
49	1	Lepomis sp.	43	2.0		
50	1	Lepomis sp.	44	1.0		
51	1	Lepomis sp.	46	1.0		
52	1	Lepomis sp.	49	2.0		
53	1	Lepomis sp.	45	1.0		
54	1	Lepomis sp.	43	1.0		
55	1	Lepomis sp.	45	1.0		
56	1	Rainbow Smelt	95	5.0		
57	1	Eastern Silvery Minnow	100	13		
58	1	Eastern Silvery Minnow	87	7.0		
59	1	Spottail Shiner	101	8.0		
60	1	Spottail Shiner	74	3.0		
61	1	Spottail Shiner	69	3.0		
62	1	Spottail Shiner	78	4.0		
63	1	Spottail Shiner	71	3.0		

(CONTINUED)
END TIME: April 6, 1988 9:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.0 hours
SAMPLE : 11344

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Spottail Shiner	73	3.0		
65	1	Spottail Shiner	73	3.0		
66	1	Spottail Shiner	67	3.0		
67	1	Spottail Shiner	60	2.0		
68	1	Spottail Shiner	70	3.0		

END TIME: April 12, 1988 9:45
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 144.3 hours
SAMPLE : 11349

No catch for this collection.

END TIME: April 13, 1988 9:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 23.3 hours
SAMPLE : 11357

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	87	7.0		
2	1	Yellow Perch	94	9.0		
3	1	Yellow Perch	87	7.0		
4	1	Yellow Perch	75	5.0		
5	1	Rock Bass	60	5.0		
6	1	Rock Bass	43	2.0		
7	1	Lepomis sp.	66	5.0		
8	1	Lepomis sp.	52	3.0		
9	1	Lepomis sp.	47	2.0		
10	1	Lepomis sp.	46	2.0		
11	1	Lepomis sp.	50	2.0		
12	1	Lepomis sp.	50	2.0		
13	1	Lepomis sp.	45	2.0		
14	1	Lepomis sp.	37	1.0		
15	1	Lepomis sp.	49	2.0		
16	1	Spottail Shiner	62	2.0		

END TIME: April 17, 1988 13:45
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 100.8 hours
SAMPLE : 11358

No catch for this collection.

END TIME: April 18, 1988 13:37
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 23.9 hours
SAMPLE : 11359

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	90	8.0		
2	1	Yellow Perch	77	5.0		
3	1	Yellow Perch	82	6.0		
4	1	Yellow Perch	67	3.0		
5	1	Rock Bass	101	21		
6	1	Rock Bass	51	3.0		
7	1	Rock Bass	46	2.0		
8	1	Largemouth Bass	65	4.0		
9	1	Lepomis sp.	57	3.0		
10	1	Lepomis sp.	41	1.0		
11	1	Lepomis sp.	39	1.0		
12	1	Lepomis sp.	42	1.0		
13	1	Tessellated Darter	67	3.0		
14	1	Spottail Shiner	76	4.0		
15	1	Spottail Shiner	72	4.0		
16	1	Spottail Shiner	62	2.0		
17	1	White Sucker	54	1.0		
18	1	White Sucker	51	1.0		

END TIME: April 24, 1988 16:42
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 147.1 hours
SAMPLE : 11360

No catch for this collection.

END TIME: April 25, 1988 13:10
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.5 hours
SAMPLE : 11361

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Atlantic Salmon	164	53		
2	1	Yellow Perch	82	5.0		
3	1	Yellow Perch	85	6.0		
4	1	Yellow Perch	90	9.0		
5	1	Yellow Perch	101	12		
6	1	Yellow Perch	85	6.0		
7	1	Yellow Perch	85	6.0		
8	1	Yellow Perch	90	8.0		
9	1	Yellow Perch	87	6.0		
10	1	Yellow Perch	81	5.0		
11	1	Yellow Perch	86	7.0		
12	1	Yellow Perch	83	6.0		
13	1	Yellow Perch	77	5.0		
14	1	Yellow Perch	78	4.0		
15	1	Yellow Perch	87	7.0		
16	1	Yellow Perch	86	7.0		
17	1	Pumpkinseed	115	30		
18	1	Lepomis sp.	49	2.0		
19	1	Lepomis sp.	53	3.0		
20	1	Lepomis sp.	50	2.0		
21	1	Lepomis sp.	62	5.0		
22	1	Lepomis sp.	43	1.0		
23	1	Lepomis sp.	41	1.0		
24	1	Smallmouth Bass	101	11		
25	1	Tessellated Darter	86	7.0		
26	1	Tessellated Darter	69	4.0		
27	1	White Sucker	105	12		
28	1	White Perch	82	6.0		
29	1	White Perch	67	4.0		
30	1	White Perch	76	5.0		
31	1	White Perch	80	5.0		
32	1	White Perch	89	7.0		
33	1	Sea Lamprey	176	6.0		
34	1	Lepomis sp.	41	1.0		

END TIME: April 26, 1988 9:14
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.1 hours
SAMPLE : 11362

No catch for this collection.

END TIME: April 27, 1988 8:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 23.0 hours
SAMPLE : 11363

No catch for this collection.

END TIME: April 28, 1988 10:35
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 26.3 hours
SAMPLE : 11364

No catch for this collection.

END TIME:
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 0.0 hours
SAMPLE : 11365

REMARKS : Large amounts of debris collected by the CWTS during 4/28-5/1 were transferred to dumpsters. Collection 11365 was made after this material had been removed, thus this fish was most likely about 24 hours dead. Collection 11367 was made in the dumpster material, where 17 smolts were found. These had impinged before #11365 was collected. These two collections are from the same impingement period and should be considered one collection.

END TIME: May 2, 1988 14:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.1 hours
SAMPLE : 11366

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Brown Bullhead	82	6.0		
2	1	Brown Bullhead	80	7.0		
3	1	Brown Bullhead	85	8.0		
4	1	Brown Bullhead	71	4.0		
5	1	Brown Bullhead	86	8.0		
6	1	Brown Bullhead	68	4.0		
7	1	Brown Bullhead	71	4.0		
8	1	Brown Bullhead	77	6.0		
9	1	Brown Bullhead	85	8.0		
10	1	Brown Bullhead	81	7.0		
11	1	Brown Bullhead	67	4.0		
12	1	Brown Bullhead	70	4.0		
13	1	Brown Bullhead	72	5.0		
14	1	Brown Bullhead	79	7.0		
15	1	Brown Bullhead	76	6.0		
16	1	Brown Bullhead	71	5.0		
17	1	Brown Bullhead	75	6.0		
18	1	Brown Bullhead	77	5.0		
19	1	Brown Bullhead	78	7.0		
20	1	Brown Bullhead	75	5.0		
21	1	Brown Bullhead	76	6.0		
22	1	Brown Bullhead	70	4.0		
23	1	Brown Bullhead	89	8.0		
24	1	Brown Bullhead	77	5.0		
25	1	Brown Bullhead	72	5.0		
26	1	Brown Bullhead	70	5.0		
27	1	Brown Bullhead	92	10		
28	1	Brown Bullhead	76	5.0		
29	1	Brown Bullhead	84	7.0		
30	1	Brown Bullhead	71	4.0		
31	1	Brown Bullhead	91	10		
32	1	Brown Bullhead	72	5.0		
33	1	Brown Bullhead	74	5.0		
34	1	Brown Bullhead	83	6.0		
35	1	Brown Bullhead	84	7.0		
36	1	Brown Bullhead	71	5.0		
37	1	Brown Bullhead	65	4.0		
38	1	Brown Bullhead	77	7.0		
39	1	Brown Bullhead	89	9.0		
40	1	Brown Bullhead	79	6.0		
41	1	Brown Bullhead	86	7.0		
42	1	Brown Bullhead	78	6.0		
43	1	Brown Bullhead	71	5.0		
44	1	Brown Bullhead	74	6.0		
45	1	Brown Bullhead	77	5.0		
46	1	Brown Bullhead	79	6.0		
47	1	Brown Bullhead	69	4.0		
48	1	White Sucker	101	11		
49	1	White Sucker	71	4.0		
50	1	Rainbow Smelt	76	2.0		
51	1	Lepomis sp.	52	2.0		
52	1	Rock Bass	59	4.0		
53	1	Rock Bass	40	1.0		
54	1	Spottail Shiner	121	15		
55	1	Spottail Shiner	80	4.0		
56	1	Spottail Shiner	103	10		
57	1	Spottail Shiner	82	4.0		
58	1	Spottail Shiner	80	5.0		
59	1	Spottail Shiner	71	3.0		
60	1	Spottail Shiner	76	4.0		
61	1	Spottail Shiner	75	3.0		
62	1	Brown Bullhead	155	45		
63	1	Brown Bullhead	75	6.0		

(CONTINUED)
END TIME: May 2, 1988 14:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.1 hours
SAMPLE : 11366

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Brown Bullhead	83	8.0		
65	1	Brown Bullhead	74	5.0		
66	1	Brown Bullhead	85	8.0		
67	1	Brown Bullhead	87	8.0		
68	1	Brown Bullhead	115	17		
69	1	Brown Bullhead	93	10		
70	1	Brown Bullhead	68	4.0		
71	1	Brown Bullhead	87	8.0		
72	1	Brown Bullhead	82	6.0		
73	1	Brown Bullhead	78	6.0		
74	1	Brown Bullhead	86	8.0		
75	1	Brown Bullhead	84	8.0		
76	1	Brown Bullhead	78	6.0		
77	1	Brown Bullhead	68	4.0		
78	1	Brown Bullhead	79	6.0		
79	1	Brown Bullhead	89	9.0		
80	1	Brown Bullhead	76	5.0		
81	1	Brown Bullhead	92	10		
82	1	Brown Bullhead	72	5.0		
83	1	Brown Bullhead	85	7.0		
84	1	Brown Bullhead	76	5.0		
85	1	Brown Bullhead	70	5.0		
86	1	Brown Bullhead	75	6.0		
87	1	Brown Bullhead	72	5.0		
88	1	Brown Bullhead	80	7.0		
89	1	Brown Bullhead	80	7.0		
90	1	Brown Bullhead	67	5.0		
91	1	Brown Bullhead	77	6.0		
92	1	Brown Bullhead	71	5.0		
93	1	Brown Bullhead	67	4.0		
94	1	Tessellated Darter	81	6.0		
95	1	Spottail Shiner	68	2.0		
96	1	Spottail Shiner	71	3.0		
97	1	Smallmouth Bass	121	21		
98	1	Lepomis sp.	95	14		
99	1	Rock Bass	53	3.0		
100	1	Brown Bullhead	81	7.0		
101	1	Brown Bullhead	71	5.0		
102	1	Brown Bullhead	68	4.0		
103	1	Brown Bullhead	105	14		
104	1	Brown Bullhead	90	9.0		
105	1	Brown Bullhead	80	6.0		
106	1	Brown Bullhead	73	5.0		
107	1	Brown Bullhead	91	9.0		
108	1	Brown Bullhead	79	6.0		
109	1	Brown Bullhead	70	5.0		
110	1	Brown Bullhead	90	9.0		
111	1	Brown Bullhead	76	6.0		
112	1	Brown Bullhead	81	7.0		
113	1	Brown Bullhead	83	8.0		
114	1	Brown Bullhead	67	4.0		
115	1	Brown Bullhead	72	5.0		
116	1	Brown Bullhead	86	8.0		
117	1	Brown Bullhead	67	4.0		
118	1	Brown Bullhead	95	12		
119	1	Brown Bullhead	80	7.0		
120	1	Brown Bullhead	76	6.0		
121	1	Brown Bullhead	70	5.0		
122	1	Brown Bullhead	92	9.0		
123	1	Brown Bullhead	78	6.0		
124	1	Brown Bullhead	71	5.0		
125	1	Brown Bullhead	81	6.0		
126	1	Yellow Perch	130	22		

(CONTINUED)
END TIME: May 2, 1988 14:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.1 hours
SAMPLE : 11366

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
127	1	Yellow Perch	73	4.0		
128	1	Yellow Perch	78	5.0		
129	1	Yellow Perch	98	10		
130	1	Bluegill	134	50		
131	1	Pumpkinseed	56	4.0		
132	1	Eastern Silvery Minnow	109	13		
133	1	Eastern Silvery Minnow	70	3.0		
134	1	Spottail Shiner	110	13		
135	1	Spottail Shiner	105	11		
136	1	Spottail Shiner	117	14		
137	1	Spottail Shiner	100	9.0		
138	1	Spottail Shiner	117	14		
139	1	Spottail Shiner	124	15		
140	1	Spottail Shiner	113	13		
141	1	Brown Bullhead	70	4.0		
142	1	Brown Bullhead	72	5.0		
143	1	Brown Bullhead	107	16		
144	1	Brown Bullhead	78	7.0		
145	1	Brown Bullhead	77	6.0		
146	1	Brown Bullhead	112	18		
147	1	Brown Bullhead	97	12		
148	1	Brown Bullhead	85	8.0		
149	1	Brown Bullhead	85	8.0		
150	1	Brown Bullhead	89	10		
151	1	Brown Bullhead	72	5.0		
152	1	Brown Bullhead	84	8.0		
153	1	Brown Bullhead	82	7.0		
154	1	Brown Bullhead	82	7.0		
155	1	Brown Bullhead	72	6.0		
156	1	Brown Bullhead	75	6.0		
157	1	Brown Bullhead	70	5.0		
158	1	Brown Bullhead	72	5.0		
159	1	Brown Bullhead	76	6.0		
160	1	Brown Bullhead	80	7.0		
161	1	Brown Bullhead	79	7.0		
162	1	Brown Bullhead	84	8.0		
163	1	Brown Bullhead	80	6.0		
164	1	Brown Bullhead	84	8.0		
165	1	Brown Bullhead	80	7.0		
166	1	Brown Bullhead	70	5.0		
167	1	Brown Bullhead	71	4.0		
168	1	Brown Bullhead	72	5.0		
169	1	Brown Bullhead	79	7.0		
170	1	Brown Bullhead	71	5.0		
171	1	Brown Bullhead	74	6.0		
172	1	Brown Bullhead	77	6.0		
173	1	Brown Bullhead	70	5.0		
174	1	Brown Bullhead	73	5.0		
175	1	Brown Bullhead	77	5.0		
176	1	Brown Bullhead	78	4.0		
177	1	Brown Bullhead	70	5.0		
178	1	Brown Bullhead	71	5.0		
179	1	Brown Bullhead	65	4.0		
180	1	Brown Bullhead	84	7.0		
181	1	Brown Bullhead	67	4.0		
182	1	Spottail Shiner	101	9.0		
183	1	Spottail Shiner	68	3.0		
184	1	Spottail Shiner	72	3.0		
185	1	Spottail Shiner	70	3.0		
186	1	Spottail Shiner	60	2.0		
187	1	Eastern Silvery Minnow	78	4.0		
188	1	Eastern Silvery Minnow	79	5.0		
189	1	Eastern Silvery Minnow	70	4.0		

(CONTINUED)
END TIME: May 2, 1988 14:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.1 hours
SAMPLE : 11366

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
190	1	Eastern Silvery Minnow	75	4.0		
191	1	Lepomis sp.	44	2.0		
192	1	Rock Bass	52	3.0		
193	1	Yellow Perch	71	4.0		
194	1	Yellow Perch	176	61		
195	1	Brook Trout	197	79		
196	1	Brown Bullhead	65	3.0		
197	1	Brown Bullhead	80	7.0		
198	1	Brown Bullhead	81	7.0		
199	1	Brown Bullhead	61	3.0		
200	1	Brown Bullhead	67	4.0		
201	1	Brown Bullhead	73	6.0		
202	1	Brown Bullhead	75	6.0		
203	1	Brown Bullhead	66	5.0		
204	1	Brown Bullhead	85	8.0		
205	1	Brown Bullhead	85	8.0		
206	1	Brown Bullhead	88	9.0		
207	1	Brown Bullhead	72	5.0		
208	1	Brown Bullhead	65	4.0		
209	1	Brown Bullhead	67	4.0		
210	1	Brown Bullhead	70	5.0		
211	1	Brown Bullhead	83	8.0		
212	1	Brown Bullhead	75	6.0		
213	1	Brown Bullhead	72	5.0		
214	1	Brown Bullhead	62	4.0		
215	1	Brown Bullhead	104	16		
216	1	Brown Bullhead	71	5.0		
217	1	Brown Bullhead	75	6.0		
218	1	Brown Bullhead	71	5.0		
219	1	Brown Bullhead	79	6.0		
220	1	Brown Bullhead	81	8.0		
221	1	Brown Bullhead	74	6.0		
222	1	Brown Bullhead	66	4.0		
223	1	Brown Bullhead	72	5.0		
224	1	White Perch	272	381		
225	1	Spottail Shiner	100	9.0		
226	1	Rock Bass	45	2.0		
227	1	Lepomis sp.	51	2.0		
228	1	Lepomis sp.	38	1.0		
229	1	Lepomis sp.	46	2.0		
230	1	Pumpkinseed	102	22		
231	1	Pumpkinseed	117	31		

END TIME: May 1, 1988 16:06
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 77.5 hours
SAMPLE : 11367

REMARKS : High water forced early emptying of trash bin. 17 Salmon found in garbage dumpster. 11365 (BLN 9510): 1 smolt found impinged. This fish impinged after earlier material had been removed to the dumpsters, but is part of the same collection. See remarks for collection 11365. Forklengths were measured for fish 1-17.

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Atlantic Salmon	140	31		
2	1	Atlantic Salmon	116	17		
3	1	Atlantic Salmon	139	26		
4	1	Atlantic Salmon	176	55		
5	1	Atlantic Salmon	138	27		
6	1	Atlantic Salmon	178	58		
7	1	Atlantic Salmon	167	50		
8	1	Atlantic Salmon	161	41		
9	1	Atlantic Salmon	143	32		
10	1	Atlantic Salmon	190	73		
11	1	Atlantic Salmon	170	47		
12	1	Atlantic Salmon	160	40		
13	1	Atlantic Salmon	168	48		
14	1	Atlantic Salmon	167	46		
15	1	Atlantic Salmon	143	28		
16	1	Atlantic Salmon	166	48		
17	1	Atlantic Salmon	162	33		
71	1	Atlantic Salmon	161	44		

END TIME: May 3, 1988 8:40
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 18.4 hours
SAMPLE : 11368

No catch for this collection.

END TIME: May 4, 1988 9:45
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 25.1 hours
SAMPLE : 11369

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	124	18		
2	1	Yellow Perch	118	18		
3	1	Yellow Perch	91	9.0		
4	1	Yellow Perch	90	8.0		
5	1	Yellow Perch	78	5.0		
6	1	Yellow Perch	77	4.0		
7	1	Yellow Perch	83	6.0		
8	1	Yellow Perch	80	5.0		
9	1	Yellow Perch	86	7.0		
10	1	Brown Bullhead	70	5.0		
11	1	Brown Bullhead	70	5.0		
12	1	Brown Bullhead	65	4.0		
13	1	Brown Bullhead	71	5.0		
14	1	Brown Bullhead	93	13		
15	1	Brown Bullhead	87	9.0		
16	1	Brown Bullhead	85	8.0		
17	1	Brown Bullhead	71	5.0		
18	1	Brown Bullhead	92	10		
19	1	Brown Bullhead	82	7.0		
20	1	Brown Bullhead	83	7.0		
21	1	Brown Bullhead	72	5.0		
22	1	Brown Bullhead	64	4.0		
23	1	Brown Bullhead	66	4.0		
24	1	Brown Bullhead	64	3.0		
25	1	Brown Bullhead	75	6.0		
26	1	Brown Bullhead	72	5.0		
27	1	Brown Bullhead	67	4.0		
28	1	Brown Bullhead	71	5.0		
29	1	Brown Bullhead	69	5.0		
30	1	Bluegill	95	18		
31	1	Pumpkinseed	135	50		
32	1	Pumpkinseed	107	24		
33	1	Pumpkinseed	112	26		
34	1	Rock Bass	93	16		
35	1	Rock Bass	111	30		
36	1	Rock Bass	56	4.0		
37	1	Rock Bass	57	4.0		
38	1	Rock Bass	56	4.0		
39	1	Rock Bass	61	5.0		
40	1	Banded Killifish	67	3.0		
41	1	Eastern Silvery Minnow	70	3.0		
42	1	Eastern Silvery Minnow	75	3.0		
43	1	Eastern Silvery Minnow	80	5.0		
44	1	Eastern Silvery Minnow	71	3.0		
45	1	Spottail Shiner	69	3.0		
46	1	Spottail Shiner	66	2.0		
47	1	Spottail Shiner	67	2.0		
48	1	Spottail Shiner	50	1.0		
49	1	Lepomis sp.	49	2.0		
50	1	Lepomis sp.	43	1.0		
51	1	White Sucker	101	11		

END TIME: May 9, 1988 13:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 123.8 hours
SAMPLE : 11373

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Atlantic Salmon	186	53		
2	1	Atlantic Salmon	159	35		
3	1	Yellow Perch	88	8.0		
4	1	White Perch	82	6.0		
5	1	Rock Bass	62	5.0		
6	1	Rock Bass	64	6.0		
7	1	Rock Bass	51	3.0		
8	1	Rock Bass	55	3.0		
9	1	Rock Bass	42	2.0		
10	1	Pumpkinseed	101	18		
11	1	Pumpkinseed	120	34		
12	1	Pumpkinseed	114	28		
13	1	Pumpkinseed	88	13		
14	1	Lepomis sp.	46	2.0		
15	1	Lepomis sp.	45	2.0		
16	1	Lepomis sp.	36	1.0		
17	1	Lepomis sp.	45	2.0		
18	1	Lepomis sp.	49	2.0		
19	1	Lepomis sp.	48	2.0		
20	1	Lepomis sp.	55	3.0		
21	1	Spottail Shiner	78	4.0		
22	1	White Sucker	39	0.0		
23	1	White Sucker	29	0.0		
24	1	White Sucker	27	0.0		
25	1	White Perch	283	443		
26	1	Yellow Perch	87	6.0		
27	1	Yellow Perch	84	7.0		
28	1	Yellow Perch	79	5.0		
29	1	Yellow Perch	80	6.0		
30	1	Yellow Perch	88	7.0		
31	1	Yellow Perch	82	7.0		
32	1	Yellow Perch	86	6.0		
33	1	Yellow Perch	83	6.0		
34	1	Yellow Perch	89	6.0		
35	1	Yellow Perch	86	7.0		
36	1	Yellow Perch	87	7.0		
37	1	Yellow Perch	90	8.0		
38	1	Yellow Perch	73	4.0		
39	1	Yellow Perch	72	3.0		
40	1	Yellow Perch	77	4.0		
41	1	Brown Bullhead	78	5.0		
42	1	Brown Bullhead	69	4.0		
43	1	Brown Bullhead	70	5.0		
44	1	Brown Bullhead	68	4.0		
45	1	Brown Bullhead	71	4.0		
46	1	Brown Bullhead	59	3.0		
47	1	Brown Bullhead	72	6.0		
48	1	Brown Bullhead	65	5.0		
49	1	Brown Bullhead	71	4.0		
50	1	Brown Bullhead	91	9.0		
51	1	Brown Bullhead	83	7.0		
52	1	Brown Bullhead	68	4.0		
53	1	Brown Bullhead	72	6.0		
54	1	Brown Bullhead	71	7.0		
55	1	Brown Bullhead	77	5.0		
56	1	Brown Bullhead	74	6.0		
57	1	Brown Bullhead	75	6.0		
58	1	Brown Bullhead	65	4.0		
59	1	Brown Bullhead	55	3.0		
60	1	Brown Bullhead	62	5.0		
61	1	Brown Bullhead	57	3.0		
62	1	Brown Bullhead	87	8.0		
63	1	Brown Bullhead	66	4.0		

(CONTINUED)
END TIME: May 9, 1988 13:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 123.8 hours
SAMPLE : 11373

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Brown Bullhead	72	4.0		
65	1	Brown Bullhead	75	5.0		
66	1	Brown Bullhead	79	7.0		
67	1	Brown Bullhead	68	5.0		
68	1	Brown Bullhead	84	6.0		
69	1	Brown Bullhead	65	3.0		
70	1	Brown Bullhead	69	5.0		
71	1	Brown Bullhead	82	7.0		
72	1	Brown Bullhead	67	5.0		
73	1	Brown Bullhead	76	5.0		
74	1	Brown Bullhead	61	4.0		
75	1	Brown Bullhead	89	8.0		
76	1	Brown Bullhead	74	5.0		
77	1	Brown Bullhead	75	4.0		
78	1	Rock Bass	50	3.0		
79	1	Rock Bass	64	5.0		
80	1	Rock Bass	55	4.0		
81	1	Rock Bass	53	4.0		
82	1	Rock Bass	50	2.0		
83	1	Rock Bass	63	5.0		
84	1	Rock Bass	61	5.0		
85	1	Rock Bass	58	4.0		
86	1	Rock Bass	62	6.0		
87	1	Rock Bass	50	3.0		
88	1	Rock Bass	55	3.0		
89	1	Rock Bass	55	3.0		
90	1	Rock Bass	61	5.0		
91	1	Rock Bass	65	6.0		
92	1	Rock Bass	54	3.0		
93	1	Rock Bass	56	4.0		
94	1	Rock Bass	48	2.0		
95	1	Rock Bass	44	1.0		
96	1	Rock Bass	40	2.0		
97	1	Rock Bass	58	4.0		
98	1	Rock Bass	54	4.0		
99	1	Pumpkinseed	92	14		
100	1	Pumpkinseed	98	19		
101	1	Pumpkinseed	89	12		
102	1	Pumpkinseed	97	16		
103	1	Pumpkinseed	81	10		
104	1	Pumpkinseed	79	9.0		
105	1	Pumpkinseed	91	15		
106	1	Pumpkinseed	115	27		
107	1	Bluegill	85	11		
108	1	Bluegill	94	15		
109	1	Bluegill	11	28		
110	1	Bluegill	100	17		
111	1	Bluegill	89	14		
112	1	Lepomis sp.	68	6.0		
113	1	Lepomis sp.	46	2.0		
114	1	Lepomis sp.	50	2.0		
115	1	Lepomis sp.	59	4.0		
116	1	Lepomis sp.	44	2.0		
117	1	Lepomis sp.	45	2.0		
118	1	Lepomis sp.	47	2.0		
119	1	Lepomis sp.	55	3.0		
120	1	Lepomis sp.	50	3.0		
121	1	Lepomis sp.	40	1.0		
122	1	Lepomis sp.	61	4.0		
123	1	Lepomis sp.	50	2.0		
124	1	Lepomis sp.	45	2.0		
125	1	Lepomis sp.	43	1.0		
126	1	Lepomis sp.	43	1.0		

(CONTINUED)
END TIME: May 9, 1988 13:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 123.8 hours
SAMPLE : 11373

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
127	1	Lepomis sp.	43	1.0		
128	1	Lepomis sp.	37	1.0		
129	1	Lepomis sp.	44	2.0		
130	1	Lepomis sp.	41	2.0		
131	1	Lepomis sp.	50	2.0		
132	1	Lepomis sp.	37	1.0		
133	1	Lepomis sp.	46	2.0		
134	1	Golden Shiner	112	18		
135	1	Golden Shiner	118	12		
136	1	Smallmouth Bass	79	5.0		
137	1	Largemouth Bass	67	4.0		
138	1	Rainbow Smelt	91	3.0		
139	1	Rainbow Smelt	84	3.0		
140	1	Rainbow Smelt	113	5.0		
141	1	White Perch	83	5.0		
142	1	White Perch	82	5.0		
143	1	White Perch	65	3.0		
144	1	White Perch	89	7.0		
145	1	Golden Shiner	66	2.0		
146	1	Golden Shiner	65	2.0		
147	1	Cyprinidae	72	4.0		
148	1	Cyprinidae	78	5.0		
149	1	Cyprinidae	65	2.0		
150	1	Cyprinidae	60	2.0		
151	1	Cyprinidae	66	2.0		
152	1	Cyprinidae	59	2.0		
153	1	Cyprinidae	32	0.0		
154	1	Eastern Silvery Minnow	75	3.0		
155	1	Eastern Silvery Minnow	70	3.0		
156	1	Spottail Shiner	103	8.0		
157	1	Spottail Shiner	66	2.0		
158	1	Spottail Shiner	55	2.0		
159	1	Spottail Shiner	66	1.0		
160	1	Spottail Shiner	59	1.0		
161	1	Spottail Shiner	65	2.0		
162	1	Spottail Shiner	69	2.0		

END TIME: May 10, 1988 10:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.5 hours
SAMPLE : 11374

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Atlantic Salmon	184	55		
2	1	Atlantic Salmon	187	53		
3	1	Atlantic Salmon	192	50		
4	1	Atlantic Salmon	163	34		
5	1	White Perch	308	445		
6	1	White Perch	84	54		
7	1	American Eel	393	98		
8	1	Brown Bullhead	107	13		
9	1	Brown Bullhead	98	10		
10	1	Brown Bullhead	105	13		
11	1	Brown Bullhead	82	8.0		
12	1	Brown Bullhead	106	13		
13	1	Brown Bullhead	74	4.0		
14	1	Brown Bullhead	75	5.0		
15	1	Brown Bullhead	92	9.0		
16	1	Brown Bullhead	87	8.0		
17	1	Brown Bullhead	73	5.0		
18	1	Brown Bullhead	73	5.0		
19	1	Brown Bullhead	75	5.0		
20	1	Brown Bullhead	79	6.0		
21	1	Brown Bullhead	76	4.0		
22	1	Brown Bullhead	83	6.0		
23	1	Brown Bullhead	72	4.0		
24	1	Brown Bullhead	71	4.0		
25	1	Brown Bullhead	70	4.0		
26	1	Brown Bullhead	75	5.0		
27	1	Brown Bullhead	66	4.0		
28	1	Yellow Perch	144	30		
29	1	Yellow Perch	102	9.0		
30	1	Yellow Perch	99	10		
31	1	Yellow Perch	92	7.0		
32	1	Yellow Perch	94	7.0		
33	1	Yellow Perch	80	5.0		
34	1	Yellow Perch	79	5.0		
35	1	Rock Bass	116	32		
36	1	Rock Bass	89	13		
37	1	Rock Bass	56	3.0		
38	1	Rock Bass	55	3.0		
39	1	Rock Bass	160	85		
40	1	Rock Bass	95	18		
41	1	Rock Bass	67	6.0		
42	1	Rock Bass	91	14		
43	1	Rock Bass	70	7.0		
44	1	Rock Bass	95	18		
45	1	Rock Bass	59	4.0		
46	1	Rock Bass	91	16		
47	1	Rock Bass	58	4.0		
48	1	Rock Bass	54	3.0		
49	1	Rock Bass	54	4.0		
50	1	Rock Bass	62	4.0		
51	1	Rock Bass	58	4.0		
52	1	Rock Bass	63	5.0		
53	1	Rock Bass	55	3.0		
54	1	Rock Bass	58	4.0		
55	1	Rock Bass	51	3.0		
56	1	Rock Bass	52	3.0		
57	1	Rock Bass	56	3.0		
58	1	Rock Bass	63	4.0		
59	1	Rock Bass	56	4.0		
60	1	Rock Bass	59	4.0		
61	1	Rock Bass	55	3.0		
62	1	Rock Bass	53	3.0		
63	1	Rock Bass	52	3.0		

(CONTINUED)
END TIME: May 10, 1988 10:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.5 hours
SAMPLE : 11374

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Rock Bass	51	3.0		
65	1	Pumpkinseed	187	123		
66	1	Pumpkinseed	90	13		
67	1	Pumpkinseed	87	10		
68	1	Pumpkinseed	87	11		
69	1	Pumpkinseed	95	16		
70	1	Pumpkinseed	80	9.0		
71	1	Pumpkinseed	84	10		
72	1	Pumpkinseed	108	23		
73	1	Pumpkinseed	109	23		
74	1	Pumpkinseed	86	11		
75	1	Pumpkinseed	115	25		
76	1	Pumpkinseed	103	20		
77	1	Pumpkinseed	84	10		
78	1	Bluegill	117	27		
79	1	Bluegill	87	11		
80	1	Bluegill	99	17		
81	1	Bluegill	118	29		
82	1	Bluegill	107	20		
83	1	Bluegill	113	23		
84	1	White Sucker	101	9.0		
85	1	White Sucker	99	8.0		
86	1	Rainbow Smelt	119	7.0		
87	1	Rainbow Smelt	110	6.0		
88	1	Smallmouth Bass	86	8.0		
89	1	Smallmouth Bass	97	10		
90	1	Smallmouth Bass	75	5.0		
91	1	Smallmouth Bass	71	4.0		
92	1	Largemouth Bass	74	4.0		
93	1	Tessellated Darter	66	3.0		
94	1	Tessellated Darter	51	1.0		
95	1	Tessellated Darter	52	1.0		
96	1	Tessellated Darter	58	2.0		
97	1	Tessellated Darter	50	1.0		
98	1	Lepomis sp.	47	2.0		
99	1	Lepomis sp.	40	1.0		
100	1	Lepomis sp.	54	3.0		
101	1	Lepomis sp.	45	1.0		
102	1	Lepomis sp.	53	3.0		
103	1	Lepomis sp.	50	2.0		
104	1	Lepomis sp.	35	2.0		
105	1	Lepomis sp.	45	1.0		
106	1	Lepomis sp.	46	1.0		
107	1	Lepomis sp.	47	2.0		
108	1	Lepomis sp.	51	2.0		
109	1	Lepomis sp.	46	2.0		
110	1	Lepomis sp.	42	1.0		
111	1	Lepomis sp.	44	1.0		
112	1	Lepomis sp.	45	1.0		
113	1	Spottail Shiner	61	1.0		
114	1	Spottail Shiner	67	2.0		
115	1	Spottail Shiner	69	2.0		
116	1	Spottail Shiner	68	2.0		
117	1	Spottail Shiner	69	2.0		
118	1	Spottail Shiner	77	3.0		
119	1	Spottail Shiner	70	2.0		
120	1	Spottail Shiner	74	3.0		
121	1	Spottail Shiner	68	2.0		
122	1	Cyprinidae	41	0.0		
123	1	Cyprinidae	37	0.0		
124	1	Cyprinidae	40	0.0		
125	1	Cyprinidae	32	0.0		

END TIME: May 11, 1988 8:02
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.0 hours
SAMPLE : 11378

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Atlantic Salmon	183	56		
3	1	Atlantic Salmon	189	62		

END TIME: May 12, 1988 11:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 27.5 hours
SAMPLE : 11383

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	94	9.0		
2	1	White Perch	75	5.0		
3	1	Largemouth Bass	82	7.0		
4	1	Rock Bass	65	4.0		
5	1	Rock Bass	35	1.0		
6	1	Lepomis sp.	46	2.0		
7	1	Lepomis sp.	47	2.0		
8	1	Lepomis sp.	62	5.0		
9	1	Lepomis sp.	38	1.0		
10	1	Lepomis sp.	48	2.0		
11	1	Lepomis sp.	43	1.0		
12	1	Lepomis sp.	46	2.0		
13	1	Golden Shiner	80	3.0		
14	1	Spottail Shiner	63	2.0		
15	1	Spottail Shiner	99	8.0		
16	1	Spottail Shiner	63	2.0		
17	1	Spottail Shiner	60	2.0		

END TIME: May 13, 1988 9:45
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.3 hours
SAMPLE : 11418

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	88	7.0		
2	1	White Perch	77	5.0		
3	1	White Perch	85	6.0		
4	1	Yellow Perch	77	5.0		
5	1	Rock Bass	45	2.0		
6	1	Lepomis sp.	51	3.0		
7	1	Lepomis sp.	48	2.0		
8	1	Spottail Shiner	66	2.0		

END TIME: May 14, 1988 8:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.8 hours
SAMPLE : 11419

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Bluegill	92	15		
2	1	Rock Bass	75	8.0		
3	1	Lepomis sp.	47	2.0		
4	1	Lepomis sp.	47	2.0		
5	1	Lepomis sp.	64	5.0		
6	1	Yellow Perch	76	4.0		

END TIME: May 17, 1988 10:15
LOCATION: Rum Point
METHOD : Trap net, 21.2 hours
SAMPLE : 11420

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	352	610	4	3128
2	1	Smallmouth Bass	267	205	3	3217
3	1	Yellow Perch	257	207	4	
4	1	Yellow Perch	284	250	4	
5	1	Yellow Perch	282	218	4	
6	1	Yellow Perch	235	130	4	
7	1	Yellow Perch	239	146	5	
8	1	Yellow Perch	208	196	3	
9	1	Yellow Perch	183	63	3	
10	1	Yellow Perch	171	48	2	
11	1	Yellow Perch	154	37	2	
12	1	Yellow Perch	122	18	1	
13	1	White Perch	200	95	3	
14	1	Yellow Perch	205	89	3	
15	1	Yellow Perch	198	75	2	
16	1	Yellow Perch	200	82	3	
17	1	White Sucker	485	1180		
18	1	White Sucker	382	614		
19	1	White Sucker	447	1070		
20	1	Yellow Perch	187	62	2	
21	1	Rock Bass	256	383		
22	1	Rock Bass	255	327		
23	1	Rock Bass	202	155		
24	1	Rock Bass	169	101		
25	1	Rock Bass	175	115		
26	1	Rock Bass	149	63		
27	1	Rock Bass	155	65		
28	1	Rock Bass	212	196		
29	1	Rock Bass	207	165		
30	1	Rock Bass	187	139		
31	1	Rock Bass	217	210		
32	1	Rock Bass	170	95		
33	1	Rock Bass	175	127		
34	1	Rock Bass	178	114		
35	1	Rock Bass	158	65		
36	1	Rock Bass	165	82		
37	1	Rock Bass	165	88		
38	1	Rock Bass	172	106		
39	1	Rock Bass	174	99		
40	1	Rock Bass	114	28		
41	1	Pumpkinseed	172	101		
42	1	Pumpkinseed	180	138		
43	1	Pumpkinseed	202	193		
44	1	Pumpkinseed	174	111		
45	1	Pumpkinseed	166	103		
46	1	Pumpkinseed	174	116		
47	1	Pumpkinseed	188	129		
48	1	Pumpkinseed	149	66		
49	1	Pumpkinseed	161	87		
50	1	Pumpkinseed	153	94		
51	1	Pumpkinseed	195	183		
52	1	Pumpkinseed	165	111		
53	1	Pumpkinseed	161	193		
54	1	Pumpkinseed	172	120		
55	1	Pumpkinseed	162	106		
56	1	Pumpkinseed	117	32		
57	1	Spottail Shiner	111	16		
58	1	Spottail Shiner	123	14		

END TIME: May 17, 1988 12:10
LOCATION: Station 5-Vermont
METHOD : Trap net, 22.8 hours
SAMPLE : 11421

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	381	540	5	3219
2	1	Pumpkinseed	160	78		
3	1	Pumpkinseed	190	148		
4	1	Pumpkinseed	175	131		
5	1	White Sucker	452	893		

END TIME: May 17, 1988 11:40
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 22.0 hours
SAMPLE : 11422

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	173	50	2	
2	1	Yellow Perch	175	57	2	
3	1	Yellow Perch	152	41	2	
4	1	Largemouth Bass	100	12		
5	1	Pumpkinseed	179	109		
6	1	Pumpkinseed	117	31		
7	1	Pumpkinseed	123	36		
8	1	Pumpkinseed	103	22		
9	1	Pumpkinseed	104	23		
10	1	Pumpkinseed	161	81		
11	1	Pumpkinseed	115	28		
12	1	Pumpkinseed	93	13		
13	1	Pumpkinseed	158	82		
14	1	Pumpkinseed	105	31		
15	1	Pumpkinseed	106	44		
16	1	Pumpkinseed	107	40		
17	1	Pumpkinseed	100	42		
18	1	Pumpkinseed	124	50		
19	1	Pumpkinseed	105	20		
20	1	Pumpkinseed	100	15		
21	1	Pumpkinseed	87	10		
22	1	Pumpkinseed	100	15		
23	1	Bluegill	101	15		
24	1	Bluegill	122	32		
25	1	White Sucker	378	610		

END TIME: May 17, 1988 12:50
LOCATION: New Hampshire Setback
METHOD : Trap net, 22.9 hours
SAMPLE : 11423

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	248	162	3	
2	1	Yellow Perch	282	220	7	
3	1	Yellow Perch	198	76	3	
4	1	Yellow Perch	165	48	2	
5	1	Yellow Perch	153	45	2	
6	1	Yellow Perch	251	156	4	
7	1	Yellow Perch	261	166	4	
8	1	Yellow Perch	192	58	2	
9	1	Yellow Perch	245	141	3	
10	1	Yellow Perch	167	43	3	
11	1	Yellow Perch	189	66	2	
12	1	Yellow Perch	212	101	3	
13	1	Yellow Perch	222	115	3	
14	1	Yellow Perch	255	165	3	
15	1	Yellow Perch	140	26	2	
16	1	Yellow Perch	132	23	2	
17	1	Yellow Perch	132	24	2	
18	1	Yellow Perch	144	22	2	
19	1	Bluegill	213	178		
20	1	Bluegill	87	12		
21	1	Pumpkinseed	167	84		
22	1	Pumpkinseed	142	58		

END TIME: May 17, 1988 14:30
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 23.6 hours
SAMPLE : 11424

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	193	80	2	
2	1	Yellow Perch	204	93	2	
3	1	Yellow Perch	240	159	3	
4	1	Yellow Perch	194	80	2	
5	1	Yellow Perch	212	101	3	
6	1	Yellow Perch	190	73	2	
7	1	Yellow Perch	190	70	3	
8	1	Yellow Perch	223	115	2	
9	1	Yellow Perch	196	68	2	
10	1	Yellow Perch	221	108	2	
11	1	Yellow Perch	170	41	2	
12	1	Yellow Perch	175	50	2	
13	1	Yellow Perch	179	53	2	
14	1	Yellow Perch	145	26	1	
15	1	Yellow Perch	199	71	2	
16	1	Yellow Perch	176	46	2	
17	1	Yellow Perch	202	77	2	
18	1	Yellow Perch	189	60	2	
19	1	White Perch	192	86	1	
20	1	Smallmouth Bass	345	486	4	
21	1	Largemouth Bass	242	177	1	
22	1	White Sucker	450	890		
23	1	White Sucker	494	1220		
24	1	White Sucker	482	1300		
25	1	White Sucker	460	1070		
26	1	White Sucker	319	348		
27	1	White Sucker	337	465		
28	1	White Sucker	312	330		
29	1	White Sucker	524	1240		
30	1	White Sucker	495	1260		
31	1	White Sucker	335	496		
32	1	White Sucker	330	355		
33	1	White Sucker	440	925		
34	1	White Sucker	429	830		
35	1	White Sucker	361	504		
36	1	White Sucker	355	520		
37	1	White Sucker	431	740		
38	1	White Sucker	455	994		
39	1	White Sucker	359	515		
40	1	White Sucker	370	550		
41	1	White Sucker	376	575		
42	1	White Sucker	357	492		
43	1	White Sucker	359	460		
44	1	White Sucker	440	780		
45	1	White Sucker	368	530		
46	1	White Sucker	274	195		
47	1	White Sucker	285	224		
48	1	White Sucker	370	498		
49	1	White Sucker	370	535		
50	1	White Sucker	370	510		
51	1	Pumpkinseed	114	20		
52	1	Pumpkinseed	200	175		
53	1	Pumpkinseed	177	125		
54	1	Pumpkinseed	156	75		
55	1	Pumpkinseed	158	76		
56	1	Pumpkinseed	165	88		
57	1	Pumpkinseed	170	105		
58	1	Pumpkinseed	142	55		
59	1	Pumpkinseed	160	94		
60	1	Pumpkinseed	146	74		
61	1	Pumpkinseed	183	116		
62	1	Pumpkinseed	170	77		
63	1	Pumpkinseed	160	73		

(CONTINUED)
END TIME: May 17, 1988 14:30
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 23.6 hours
SAMPLE : 11424

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Pumpkinseed	155	64		
65	1	Pumpkinseed	188	132		
66	1	Rock Bass	205	170		
67	1	Rock Bass	212	191		
68	1	Rock Bass	208	182		
69	1	Rock Bass	145	55		
70	1	Brown Bullhead	267	260		
71	1	Brown Bullhead	199	107		
72	1	Brown Bullhead	165	63		
73	1	Brown Bullhead	160	60		
74	1	Brown Bullhead	157	60		
75	1	Golden Shiner	192	74		
76	1	Golden Shiner	155	29		
77	1	Golden Shiner	168	51		
78	1	Golden Shiner	190	66		
79	1	Golden Shiner	180	56		

END TIME: May 17, 1988 16:00
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 24.8 hours
SAMPLE : 11425

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	377	570		
2	1	White Sucker	475	1310		
3	1	White Sucker	288	259		
4	1	White Sucker	374	577		
5	1	White Sucker	250	175		
6	1	Yellow Perch	215	117	3	
7	1	Yellow Perch	250	155	4	
8	1	Yellow Perch	253	175	4	
9	1	Yellow Perch	214	103	2	
10	1	Yellow Perch	207	93	3	
11	1	Yellow Perch	183	65	2	
12	1	Yellow Perch	157	37	1	
13	1	Yellow Perch	186	58	2	
14	1	Yellow Perch	142	27	1	
15	1	Yellow Perch	165	44	2	
16	1	White Perch	200	86	3	
17	1	Smallmouth Bass	308	358	4	
18	1	Pumpkinseed	143	55		
19	1	Pumpkinseed	155	69		
20	1	Pumpkinseed	150	61		
21	1	Pumpkinseed	144	62		
22	1	Pumpkinseed	152	72		
23	1	Pumpkinseed	174	111		
24	1	Pumpkinseed	120	36		
25	1	Pumpkinseed	105	28		
26	1	Pumpkinseed	109	23		
27	1	Pumpkinseed	90	15		
28	1	Pumpkinseed	85	10		
29	1	Pumpkinseed	170	112		
30	1	Pumpkinseed	177	124		
31	1	Pumpkinseed	145	58		
32	1	Pumpkinseed	178	123		
33	1	Pumpkinseed	95	17		
34	1	Pumpkinseed	150	74		
35	1	Rock Bass	220	232		
36	1	Spottail Shiner	107	8.0		

END TIME: May 17, 1988 16:45
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 25.3 hours
SAMPLE : 11426

No catch for this collection.

END TIME: May 17, 1988 17:00
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 25.3 hours
SAMPLE : 11427

No catch for this collection.

END TIME: May 18, 1988 8:45
LOCATION: Rum Point
METHOD : Trap net, 22.5 hours
SAMPLE : 11431

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	407	572	2	
2	1	White Perch	202	108	1	
3	1	White Perch	268	298	4	
4	1	White Perch	305	460	5	
5	1	White Perch	295	405	4	
6	1	White Perch	258	274	3	
7	1	White Perch	240	230	4	
8	1	White Perch	267	299	3	
9	1	Yellow Perch	215	103	4	
10	1	Yellow Perch	168	40	2	
11	1	Yellow Perch	238	158	4	
12	1	Yellow Perch	225	120	3	
13	1	Yellow Perch	191	70	2	
14	1	Yellow Perch	200	69	2	
15	1	White Perch	235	186	2	
16	1	Yellow Perch	180	69	2	
17	1	Yellow Perch	250	142	4	
18	1	Yellow Perch	190	53	2	
19	1	Yellow Perch	188	57	2	
20	1	Yellow Perch	118	12	1	
21	1	Yellow Perch	224	101	3	
22	1	Yellow Perch	195	68	2	
23	1	Yellow Perch	201	73	2	
24	1	Yellow Perch	209	96	3	
25	1	Yellow Perch	233	144	3	
26	1	Yellow Perch	199	70	2	
27	1	Yellow Perch	204	75	2	
28	1	Yellow Perch	203	93	3	
29	1	Yellow Perch	208	82	3	
30	1	Yellow Perch	246	172	4	
31	1	Yellow Perch	175	53	2	
32	1	Yellow Perch	200	73	2	
33	1	Yellow Perch	215	103	3	
34	1	Yellow Perch	242	158	5	
35	1	Yellow Perch	122	23	1	
36	1	Yellow Perch	128	18	2	
37	1	Yellow Perch	189	65	2	
38	1	Yellow Perch	236	127	3	
39	1	Yellow Perch	195	66	2	
40	1	Yellow Perch	217	90	4	
41	1	Yellow Perch	221	115	3	
42	1	Yellow Perch	227	130	3	
43	1	Yellow Perch	187	68	2	
44	1	Yellow Perch	130	20	1	
45	1	Yellow Perch	159	38	3	
46	1	Yellow Perch	117	25	1	
47	1	Yellow Perch	214	103	3	
48	1	White Sucker	505	1190		
49	1	White Sucker	532	1600		
50	1	White Sucker	465	1070		
51	1	White Sucker	268	213		
52	1	White Sucker	425	759		
53	1	White Sucker	346	444		
54	1	White Sucker	423	792		
55	1	White Sucker	422	888		
56	1	White Sucker	478	1280		
57	1	White Sucker	500	1330		
58	1	White Sucker	378	551		
59	1	White Sucker	274	217		
60	1	White Sucker	388	644		
61	1	White Sucker	455	926		
62	1	White Sucker	365	509		
63	1	White Sucker	345	433		

(CONTINUED)
END TIME: May 18, 1988 8:45
LOCATION: Rum Point
METHOD : Trap net, 22.5 hours
SAMPLE : 11431

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	White Sucker	409	726		
65	1	White Sucker	368	520		
66	1	White Sucker	475	1140		
67	1	White Sucker	370	609		
68	1	Yellow Perch	182	58	2	
69	1	Yellow Perch	135	20	1	
70	1	Yellow Perch	135	23	2	
71	1	Yellow Perch	130	22	1	
72	1	Pumpkinseed	180	120		
73	1	Rock Bass	163	83		
74	1	Spottail Shiner	118	14		
75	1	Spottail Shiner	105	9.0		
76	1	Spottail Shiner	118	16		
77	1	Spottail Shiner	135	18		
78	1	Spottail Shiner	106	8.0		
79	1	Spottail Shiner	105	7.0		
80	1	Common Carp	677	3550		

END TIME: May 18, 1988 10:20
LOCATION: Station 5-Vermont
METHOD : Trap net, 22.2 hours
SAMPLE : 11432

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	99	13		
2	1	Pumpkinseed	101	12		
3	1	Pumpkinseed	200	180		
4	1	Pumpkinseed	130	35		
5	1	Pumpkinseed	183	128		
6	1	Pumpkinseed	185	140		
7	1	Pumpkinseed	188	150		
8	1	Pumpkinseed	185	145		
9	1	Pumpkinseed	155	78		
10	1	Pumpkinseed	192	159		
11	1	Pumpkinseed	166	92		
12	1	Pumpkinseed	117	28		
13	1	Bluegill	202	196		
14	1	Bluegill	118	36		
15	1	Bluegill	113	22		
16	1	Yellow Perch	202	92	3	
17	1	Yellow Perch	188	66	2	
18	1	Yellow Perch	220	120	2	
19	1	Yellow Perch	232	148	3	
20	1	Yellow Perch	167	48	2	
21	1	Yellow Perch	208	98	3	
22	1	Rock Bass	220	220		
23	1	Rock Bass	199	160		
24	1	Rock Bass	190	161		
25	1	Rock Bass	196	165		
26	1	Rock Bass	180	124		
27	1	Rock Bass	122	47		

END TIME: May 18, 1988 11:00
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 23.3 hours
SAMPLE : 11433

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	215	130	1	
2	1	Pumpkinseed	117	37		
3	1	Pumpkinseed	155	46		
4	1	Pumpkinseed	103	10		
5	1	Pumpkinseed	105	9.0		
6	1	Pumpkinseed	100	10		
7	1	Pumpkinseed	107	16		
8	1	Pumpkinseed	139	40		
9	1	Pumpkinseed	117	30		
10	1	Pumpkinseed	148	56		
11	1	Pumpkinseed	100	16		
12	1	Pumpkinseed	92	9.0		
13	1	Pumpkinseed	105	12		
14	1	Pumpkinseed	95	9.0		
15	1	Pumpkinseed	115	20		
16	1	Pumpkinseed	97	12		
17	1	Bluegill	107	16		
18	1	Yellow Perch	190	68	2	
19	1	Yellow Perch	157	39	2	
20	1	Yellow Perch	237	151	3	
21	1	Yellow Perch	82	7.0	0	
22	1	Yellow Perch	199	84	2	

END TIME: May 18, 1988 11:40
LOCATION: New Hampshire Setback
METHOD : Trap net, 22.8 hours
SAMPLE : 11434

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	340	557	4	3221
2	1	Smallmouth Bass	462	1320	6	3222
3	1	Yellow Perch	281	265	4	
4	1	Yellow Perch	275	243	4	
5	1	Yellow Perch	259	191	4	
6	1	Yellow Perch	280	273	5	
7	1	Yellow Perch	186	70	3	
8	1	Golden Shiner	187	62		
9	1	Pumpkinseed	185	145		
10	1	Pumpkinseed	146	70		
11	1	Pumpkinseed	140	51		
12	1	Pumpkinseed	85	8.0		
13	1	Pumpkinseed	95	12		
14	1	White Sucker	391	653		
15	1	White Sucker	468	1040		
16	1	White Sucker	432	835		

END TIME: May 18, 1988 12:35
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 22.1 hours
SAMPLE : 11435

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	516	1230	6	
2	1	Walleye	327	303	1	
3	1	Smallmouth Bass	308	332	3	3160
4	1	Smallmouth Bass	267	225	3	
5	1	Smallmouth Bass	262	200	3	3223
6	1	Smallmouth Bass	235	165	2	3224
7	1	Smallmouth Bass	230	135	2	3225
8	1	Yellow Perch	215	111	3	
9	1	Yellow Perch	180	60	2	
10	1	Yellow Perch	144	30	2	
11	1	Yellow Perch	100	8.0	0	
12	1	Yellow Perch	220	97	2	
13	1	Yellow Perch	221	117	3	
14	1	Yellow Perch	142	24	1	
15	1	Yellow Perch	165	45	2	
16	1	Yellow Perch	143	29	1	
17	1	Yellow Perch	213	115	3	
18	1	Yellow Perch	192	75	2	
19	1	Yellow Perch	185	65	2	
20	1	Yellow Perch	190	73	2	
21	1	Yellow Perch	193	77	2	
22	1	Yellow Perch	190	69	4	
23	1	Yellow Perch	168	48	2	
24	1	Yellow Perch	95	12	0	
25	1	Yellow Perch	215	87	4	
26	1	Yellow Perch	191	73	3	
27	1	Yellow Perch	175	53	2	
28	1	Yellow Perch	220	127	3	
29	1	Yellow Perch	195	80	3	
30	1	Yellow Perch	190	65	2	
31	1	Yellow Perch	164	41	2	
32	1	Yellow Perch	171	47	2	
33	1	Yellow Perch	168	46	2	
34	1	Yellow Perch	101	8.0	0	
35	1	White Perch	286	354	3	
36	1	Pumpkinseed	180	113		
37	1	Pumpkinseed	165	110		
38	1	Pumpkinseed	166	102		
39	1	Pumpkinseed	158	91		
40	1	Pumpkinseed	152	68		
41	1	Pumpkinseed	165	88		
42	1	Pumpkinseed	180	131		
43	1	Pumpkinseed	143	56		
44	1	Pumpkinseed	155	77		
45	1	Pumpkinseed	171	96		
46	1	Pumpkinseed	165	89		
47	1	Pumpkinseed	150	66		
48	1	Pumpkinseed	139	60		
49	1	Pumpkinseed	173	111		
50	1	Pumpkinseed	160	90		
51	1	Pumpkinseed	160	83		
52	1	Pumpkinseed	143	50		
53	1	Pumpkinseed	130	36		
54	1	Bluegill	207	181		
55	1	Rock Bass	177	120		
56	1	Rock Bass	182	128		
57	1	Rock Bass	177	113		
58	1	Rock Bass	210	209		
59	1	Rock Bass	180	111		
60	1	Rock Bass	175	109		
61	1	Rock Bass	163	79		
62	1	Rock Bass	160	90		
63	1	Rock Bass	135	51		

(CONTINUED)
END TIME: May 18, 1988 12:35
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 22.1 hours
SAMPLE : 11435

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Yellow Perch	174	52	2	
65	1	Golden Shiner	190	64		
66	1	Golden Shiner	170	59		
67	1	Golden Shiner	195	86		
68	1	Golden Shiner	197	90		
69	1	Golden Shiner	184	71		
70	1	Golden Shiner	143	33		
71	1	Golden Shiner	178	64		
72	1	Golden Shiner	170	50		
73	1	Golden Shiner	165	50		
74	1	Golden Shiner	180	56		
75	1	White Sucker	355	494		
76	1	White Sucker	376	552		
77	1	White Sucker	476	1120		
78	1	White Sucker	445	1010		
79	1	White Sucker	380	545		
80	1	White Sucker	502	1300		
81	1	White Sucker	445	926		
82	1	White Sucker	376	552		
83	1	White Sucker	355	532		
84	1	White Sucker	470	878		
85	1	White Sucker	336	410		
86	1	White Sucker	364	504		
87	1	White Sucker	359	490		
88	1	White Sucker	340	395		
89	1	White Sucker	326	421		
90	1	Brown Bullhead	215	130		
91	1	Spottail Shiner	120	13		
92	1	Yellow Perch	210	93	2	

END TIME: May 18, 1988 15:15
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 23.3 hours
SAMPLE : 11436

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	305	338	3	3176
2	1	Smallmouth Bass	284	268	3	3177
3	1	Smallmouth Bass	306	348	4	3178
4	1	Smallmouth Bass	252	162	2	3179
5	1	White Perch	200	103	1	
6	1	White Perch	190	71	3	
7	1	Yellow Perch	195	71	2	
8	1	Yellow Perch	165	45	2	
9	1	Yellow Perch	258	182	4	
10	1	Yellow Perch	250	155	3	
11	1	Yellow Perch	179	55	2	
12	1	Yellow Perch	190	70	3	
13	1	Yellow Perch	177	62	2	
14	1	Yellow Perch	188	68	2	
15	1	Yellow Perch	218	115	3	
16	1	Yellow Perch	248	191	4	
17	1	Yellow Perch	179	54	2	
18	1	Pumpkinseed	158	80		
19	1	Pumpkinseed	175	101		
20	1	Pumpkinseed	161	74		
21	1	Pumpkinseed	147	53		
22	1	Pumpkinseed	158	72		
23	1	Pumpkinseed	158	67		
24	1	Pumpkinseed	156	75		
25	1	Pumpkinseed	151	66		
26	1	Pumpkinseed	145	57		
27	1	Pumpkinseed	118	27		
28	1	Pumpkinseed	140	46		
29	1	Rock Bass	178	127		
30	1	Bluegill	145	62		
31	1	Golden Shiner	165	46		
32	1	Golden Shiner	182	62		
33	1	Golden Shiner	175	34		
34	1	White Sucker	370	553		
35	1	White Sucker	535	1410		

END TIME: May 18, 1988 16:10
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 23.4 hours
SAMPLE : 11437

No catch for this collection.

END TIME: May 18, 1988 16:30
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 23.5 hours
SAMPLE : 11438

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	250	162	2	3180
2	1	Smallmouth Bass	235	160	2	3181
3	1	Smallmouth Bass	296	296	3	3183
4	1	Yellow Perch	243	156	3	
5	1	Yellow Perch	200	74	3	
6	1	Yellow Perch	190	66	2	
7	1	Yellow Perch	165	39	2	
8	1	Yellow Perch	208	97	2	
9	1	Yellow Perch	185	66	2	
10	1	Yellow Perch	193	72	2	
11	1	Yellow Perch	200	75	2	
12	1	Yellow Perch	213	93	3	
13	1	Pumpkinseed	189	134		
14	1	Pumpkinseed	188	143		
15	1	Pumpkinseed	177	122		
16	1	Pumpkinseed	191	166		
17	1	Rock Bass	160	90		
18	1	White Sucker	460	983		
19	1	White Sucker	420	795		
20	1	White Sucker	440	890		
21	1	White Sucker	387	597		
22	1	White Sucker	380	615		
23	1	White Sucker	255	192		
24	1	White Sucker	365	544		
25	1	White Sucker	263	208		
26	1	Common Carp	735	5680		

END TIME: May 19, 1988 9:30
LOCATION: Station 2
METHOD : Trap net, 15.3 hours
SAMPLE : 11439

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	208	175		
2	1	Rock Bass	231	268		

END TIME: May 19, 1988 9:45
LOCATION: Station 2
METHOD : Trap net, 15.3 hours
SAMPLE : 11440

No catch for this collection.

END TIME: May 19, 1988 10:10
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 15.1 hours
SAMPLE : 11441

No catch for this collection.

END TIME: May 19, 1988 10:30
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 15.8 hours
SAMPLE : 11442

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	482	1140		
2	1	Rock Bass	235	326		
3	1	Rock Bass	239	274		
4	1	Rock Bass	221	237		
5	1	Rock Bass	221	230		
6	1	Rock Bass	177	110		
7	1	Rock Bass	102	26		
8	1	Rock Bass	92	14		

END TIME: May 19, 1988 11:15
LOCATION: Station 3
METHOD : Trap net, 15.8 hours
SAMPLE : 11443

No catch for this collection.

END TIME: May 19, 1988 11:45
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 16.0 hours
SAMPLE : 11444

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	220	102	2	
2	1	Yellow Perch	275	230	6	
3	1	Yellow Perch	171	40	2	
4	1	Yellow Perch	234	138	5	
5	1	Yellow Perch	220	133	3	
6	1	Yellow Perch	197	73	2	
7	1	Yellow Perch	184	55	2	
8	1	Yellow Perch	168	41	2	
9	1	Yellow Perch	169	45	2	
10	1	Yellow Perch	182	59	2	
11	1	White Perch	215	145	2	
12	1	White Perch	210	148	2	
13	1	Yellow Perch	150	28	1	
14	1	Rock Bass	225	235		
15	1	Rock Bass	173	80		
16	1	Golden Shiner	220	125		
17	1	Golden Shiner	228	133		
18	1	White Sucker	404	698		
19	1	Brown Bullhead	285	350		

END TIME: May 17, 1988 9:05
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 117.6 hours
SAMPLE : 11445

No catch for this collection.

END TIME: May 18, 1988 7:33
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.5 hours
SAMPLE : 11446

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	81	9.0		
2	1	Pumpkinseed	106	21		
3	1	Pumpkinseed	100	19		
4	1	Yellow Perch	105	14		
5	1	Yellow Perch	88	6.0		
6	1	Yellow Perch	81	5.0		
7	1	Yellow Perch	86	8.0		
8	1	White Perch	83	6.0		
9	1	White Perch	136	22		
10	1	White Perch	134	24		
11	1	White Perch	93	7.0		
12	1	White Perch	87	6.0		
13	1	White Perch	87	7.0		
14	1	White Perch	83	6.0		
15	1	Rainbow Smelt	75	2.0		
16	1	Rock Bass	57	4.0		
17	1	Rock Bass	63	5.0		
18	1	Rock Bass	64	5.0		
19	1	Rock Bass	62	4.0		
20	1	Rock Bass	57	4.0		
21	1	Rock Bass	64	6.0		
22	1	Rock Bass	77	9.0		
23	1	Rock Bass	65	5.0		
24	1	Rock Bass	50	3.0		
25	1	Smallmouth Bass	90	9.0		
26	1	Smallmouth Bass	97	11		
27	1	Lepomis sp.	49	2.0		
28	1	Lepomis sp.	48	2.0		
29	1	Lepomis sp.	51	2.0		
30	1	Lepomis sp.	55	3.0		
31	1	Lepomis sp.	54	3.0		
32	1	Lepomis sp.	52	3.0		
33	1	Lepomis sp.	49	2.0		
34	1	Lepomis sp.	45	2.0		
35	1	Lepomis sp.	47	2.0		
36	1	Lepomis sp.	56	3.0		
37	1	Lepomis sp.	45	2.0		
38	1	Lepomis sp.	50	2.0		
39	1	Tessellated Darter	65	3.0		

END TIME: May 20, 1988 8:55
LOCATION: Station 2
METHOD : Trap net, 23.4 hours
SAMPLE : 11447

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	477	872	3	
2	1	White Perch	258	286	4	
3	1	White Sucker	415	689		
4	1	Rock Bass	216	206		
5	1	Rock Bass	196	171		
6	1	Rock Bass	230	250		
7	1	Rock Bass	220	248		
8	1	Rock Bass	211	179		
9	1	Rock Bass	154	70		

END TIME: May 20, 1988 9:10
LOCATION: Station 2
METHOD : Trap net, 23.4 hours
SAMPLE : 11448

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	190	72	2	

END TIME: May 20, 1988 10:30
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 24.3 hours
SAMPLE : 11449

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	97	8.0	0	

END TIME: May 20, 1988 9:50
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 23.3 hours
SAMPLE : 11450

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	343	552	4	3760
2	1	Smallmouth Bass	307	360	3	3761
3	1	White Sucker	393	641		
4	1	White Sucker	440	878		
5	1	Rock Bass	212	195		
6	1	Rock Bass	236	289		
7	1	Rock Bass	221	220		
8	1	Rock Bass	230	276		
9	1	Rock Bass	193	146		
10	1	Rock Bass	208	165		
11	1	Rock Bass	218	214		
12	1	Spottail Shiner	125	16		

END TIME: May 20, 1988 10:45
LOCATION: Station 3
METHOD : Trap net, 23.5 hours
SAMPLE : 11451

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	201	145		

END TIME: May 20, 1988 11:05
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 23.3 hours
SAMPLE : 11452

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	584	1850	7	
2	1	Walleye	489	970	4	
3	1	White Perch	290	350	4	
4	1	White Perch	245	211	2	
5	1	White Perch	278	351	2	
6	1	White Perch	306	494	6	
7	1	White Perch	258	268	2	
8	1	Yellow Perch	172	49	2	
9	1	Yellow Perch	167	40	2	
10	1	Yellow Perch	182	50	2	
11	1	Yellow Perch	181	80	3	
12	1	Yellow Perch	257	150	4	
13	1	Yellow Perch	230	146	3	
14	1	Yellow Perch	185	55	2	
15	1	Yellow Perch	132	17	2	
16	1	Yellow Perch	246	142	3	
17	1	Yellow Perch	205	65	2	
18	1	Yellow Perch	200	65	2	
19	1	Yellow Perch	192	42	2	
20	1	Yellow Perch	161	28	2	
21	1	Yellow Perch	221	110	2	
22	1	Yellow Perch	167	40	2	
23	1	Yellow Perch	185	43	2	
24	1	Yellow Perch	176	54	2	
25	1	Yellow Perch	200	93	2	
26	1	Blueback Herring	237	160		
27	1	Blueback Herring	264	225		
28	1	Rock Bass	195	121		
29	1	Rock Bass	178	98		
30	1	Rock Bass	202	165		
31	1	Rock Bass	180	102		
32	1	Rock Bass	246	323		
33	1	Rock Bass	175	101		
34	1	Rock Bass	198	155		
35	1	Rock Bass	195	151		
36	1	Bluegill	205	193		
37	1	Pumpkinseed	155	70		
38	1	Pumpkinseed	132	49		
39	1	Pumpkinseed	157	78		
40	1	Golden Shiner	186	63		
41	1	White Sucker	108	13		

END TIME: May 24, 1988 9:40
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 146.1 hours
SAMPLE : 11454

No catch for this collection.

END TIME: May 24, 1988 20:05
LOCATION: Station 2
METHOD : Electrofishing, 0.4 hours
SAMPLE : 11458

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker		1060		

END TIME: May 24, 1988 21:05
LOCATION: Stebbin Island-Vermont Side
METHOD : Electrofishing, 0.4 hours
SAMPLE : 11459

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	12	White Sucker		8230		
2	1	Common Carp		4520		
3	3	American Eel		1510		
4	1	Rock Bass		82		
5	2	Yellow Perch		135		
6	1	Smallmouth Bass	242	183	2	3762
7	1	Smallmouth Bass	249	174	2	3763
8	1	Smallmouth Bass	256	220	2	3764
9	1	Smallmouth Bass	364	683	5	3765

END TIME: May 24, 1988 22:05
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11460

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp		5450		
2	1	Common Carp		7930		
3	9	White Sucker		9300		
4	1	American Eel		489		

END TIME: May 24, 1988 22:55
LOCATION: Station 3
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11461

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	16	White Sucker		9020		
2	4	Yellow Perch		202		
3	2	Rock Bass		387		
4	1	Smallmouth Bass	299	348	3	3766
5	1	Smallmouth Bass	281	299	3	3767
6	1	Smallmouth Bass	281	252	3	3768
7	1	Smallmouth Bass	236	154	2	3770
8	1	Smallmouth Bass	274	264	3	3771
9	1	Smallmouth Bass	338	465	4	3772
10	1	Smallmouth Bass	288	333	3	3773
11	1	Smallmouth Bass	197	79	1	
12	1	Smallmouth Bass	166	46	1	

END TIME: May 25, 1988 0:08
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11462

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Eel		497		
2	6	White Sucker		4090		
3	7	Bluegill		1140		
4	1	Smallmouth Bass	334	421	4	
5	1	Golden Shiner		63		
6	1	Pumpkinseed		84		
7	2	Spottail Shiner		11		

END TIME: May 25, 1988 10:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 24.8 hours
SAMPLE : 11463

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	267	231		
2	1	Pumpkinseed	129	43		
3	1	Golden Shiner	84	6.0		
4	1	Brown Bullhead	80	8.0		
5	1	Brown Bullhead	73	7.0		
6	1	Rock Bass	49	3.0		

END TIME: May 26, 1988 20:25
LOCATION: Rum Point
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11464

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	22	Yellow Perch		439		
2	2	White Sucker		1220		
3	1	White Perch		232		
4	17	Pumpkinseed		646		
5	1	White Sucker		82		
6	7	Bluegill		246		
7	43	Spottail Shiner		172		
8	1	Yellow Perch		9.0		
9	1	Common Shiner		6.0		

END TIME: May 26, 1988 21:34
LOCATION: Station 5-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11465

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	401	897	6	3184
2	48	Yellow Perch		2150		
3	2	White Perch		383		
4	12	White Sucker		3250		
5	14	Pumpkinseed		478		
6	1	Smallmouth Bass	156	49	0	
7	3	Bluegill		228		
8	1	Eastern Silvery Minnow		6.0		
9	8	Spottail Shiner		28		

END TIME: May 26, 1988 22:34
LOCATION: Station 5-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11466

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	430	676	3	
2	36	Yellow Perch		1180		
3	12	White Sucker		5160		
4	10	Pumpkinseed		219		
5	1	Brown Bullhead		726		
6	1	Bluegill		101		
7	1	Yellow Perch		23		
8	2	Yellow Perch		12		
9	1	Golden Shiner		5.0		
10	2	Spottail Shiner		5.0		
11	1	Eastern Silvery Minnow		12		

END TIME: May 26, 1988 23:31
LOCATION: New Hampshire Setback
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11467

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	361	373	1	
2	1	Largemouth Bass	215	120	1	
3	1	Largemouth Bass	236	172	1	
4	1	Largemouth Bass	396	975	3	
5	1	Largemouth Bass	331	601	2	
6	1	Largemouth Bass	250	192	1	
7	1	Largemouth Bass	217	116	1	
8	1	Largemouth Bass	335	616	2	
9	1	Largemouth Bass	256	217	1	
10	1	Largemouth Bass	256	230	1	
11	1	Largemouth Bass	235	149	1	
12	1	Largemouth Bass	231	137	1	
13	1	Northern Pike	473	660		
14	24	Pumpkinseed		1650		
15	37	Bluegill		1450		
16	1	Rock Bass		17		
17	8	White Sucker		2620		
18	6	Golden Shiner		545		
19	1	White Sucker		188		
20	1	Pumpkinseed		15		
21	1	Largemouth Bass	187	90	1	
22	1	Largemouth Bass	205	90	1	
23	1	Largemouth Bass	214	116	2	
24	1	Largemouth Bass	212	110	1	

END TIME: May 27, 1988 0:50
LOCATION: Station 4-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11468

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Eel		602		
2	11	White Sucker		2900		
3	25	Yellow Perch		1310		
4	10	Pumpkinseed		561		
5	3	Bluegill		102		
6	1	White Perch		168		
7	1	Smallmouth Bass	250	182	2	3179
8	1	Smallmouth Bass	263	197	2	3185
9	1	Smallmouth Bass	221	132		3186
10	3	Spottail Shiner		23		

END TIME: May 27, 1988 1:45
LOCATION: Station 4-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11469

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp		7690		
2	7	White Sucker		4830		
3	2	White Sucker		416		
4	12	Yellow Perch		808		
5	1	White Perch		65		
6	1	Smallmouth Bass	241	175	2	3137
7	1	Bluegill		38		
8	1	Smallmouth Bass	216	122	2	3187

END TIME: May 31, 1988 16:20
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 149.8 hours
SAMPLE : 11470

No catch for this collection.

END TIME: June 1, 1988 10:10
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 17.8 hours
SAMPLE : 11474

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	86	7.0		
2	1	Yellow Perch	82	6.0		
3	1	White Perch	169	50		

END TIME: June 6, 1988 13:27
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 123.3 hours
SAMPLE : 11475

No catch for this collection.

END TIME: June 7, 1988 9:30
LOCATION: Rum Point
METHOD : Trap net, 18.3 hours
SAMPLE : 11476

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	372	539		
2	1	White Sucker	354	480		
3	1	White Sucker	442	850		
4	1	White Sucker	370	568		
5	1	White Perch	298	428	5	
6	1	White Perch	301	361		
7	1	White Perch	300	362		
8	1	Yellow Perch	238	159	4	
9	1	Rock Bass	207	157		
10	1	Rock Bass	168	91		
11	1	Rock Bass	115	28		
12	1	Rock Bass	156	88		
13	1	Rock Bass	156	74		
14	1	Rock Bass	201	153		
15	1	Rock Bass	172	105		
16	1	Rock Bass	108	14		
17	1	Rock Bass	163	98		
18	1	Bluegill	139	62		
19	1	Pumpkinseed	157	69		
20	1	Pumpkinseed	123	18		
21	1	Pumpkinseed	156	80		
22	1	Pumpkinseed	152	73		
23	1	Pumpkinseed	191	190		
24	1	Pumpkinseed	124	45		
25	1	Pumpkinseed	160	90		
26	1	Pumpkinseed	158	84		
27	1	Pumpkinseed	148	75		
28	1	Pumpkinseed	168	103		
29	1	Pumpkinseed	148	69		
30	1	Pumpkinseed	126	43		
31	1	Pumpkinseed	167	101		
32	1	Pumpkinseed	124	41		
33	1	Pumpkinseed	119	38		
34	1	Pumpkinseed	175	120		
35	1	Pumpkinseed	160	84		
36	1	Pumpkinseed	124	33		
37	1	Pumpkinseed	155	75		

END TIME: June 7, 1988 10:50
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 19.0 hours
SAMPLE : 11477

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	382	665	4	3165
2	1	White Perch	290	352	4	
3	1	White Perch	283	368	4	
4	1	White Perch	285	303	3	
5	1	White Perch	278	389	4	
6	1	White Perch	262	395	4	
7	1	White Perch	295	331	5	
8	1	White Perch	295	357	5	
9	1	White Perch	280	312	3	
10	1	Yellow Perch	268	203	4	
11	1	Pumpkinseed	172	102		
12	1	Pumpkinseed	206	205		
13	1	Pumpkinseed	115	32		
14	1	Pumpkinseed	175	133		
15	1	Pumpkinseed	190	138		
16	1	Pumpkinseed	157	90		
17	1	Pumpkinseed	150	80		
18	1	Pumpkinseed	162	111		
19	1	Pumpkinseed	180	132		
20	1	Pumpkinseed	152	66		
21	1	Bluegill	172	98		
22	1	Bluegill	201	175		
23	1	Yellow Perch	215	96	3	
24	1	White Sucker	507	1510		
25	1	White Sucker	490	1190		
26	1	White Sucker	409	738		
27	1	White Sucker	479	1110		
28	1	White Sucker	480	1280		

END TIME: June 7, 1988 10:20
LOCATION: Station 5-Vermont
METHOD : Trap net, 18.8 hours
SAMPLE : 11478

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	365	911		
2	1	White Sucker	409	750		
3	1	Yellow Perch	231	148	4	
4	1	Yellow Perch	187	64	2	
5	1	Pumpkinseed	178	134		
6	1	Pumpkinseed	191	183		
7	1	Pumpkinseed	170	122		
8	1	Pumpkinseed	151	91		
9	1	Pumpkinseed	182	144		
10	1	Pumpkinseed	162	92		
11	1	Pumpkinseed	146	80		
12	1	Pumpkinseed	170	93		
13	1	Pumpkinseed	153	69		
14	1	Pumpkinseed	166	104		
15	1	Pumpkinseed	156	95		
16	1	Pumpkinseed	178	133		
17	1	Rock Bass	187	140		
18	1	Rock Bass	169	98		
19	1	Rock Bass	194	172		
20	1	Rock Bass	171	83		
21	1	Rock Bass	186	140		
22	1	Pumpkinseed	158	85		

END TIME: June 7, 1988
LOCATION: New Hampshire Setback
METHOD : Trap net
SAMPLE : 11479

No catch for this collection.

END TIME: June 7, 1988 15:00
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 21.8 hours
SAMPLE : 11480

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	304	385	4	
2	1	White Perch	276	275	3	
3	1	White Perch	310	404	5	
4	1	White Perch	315	469	5	
5	1	White Perch	291	366	6	
6	1	White Perch	268	306	4	
7	1	White Perch	275	276	3	
8	1	White Perch	275	300	3	
9	1	White Perch	257	206	3	
10	1	White Perch	220	148	3	
11	1	Largemouth Bass	210	101	1	
12	1	White Perch	181	62	2	
13	1	Yellow Perch	244	139	4	
14	1	Yellow Perch	203	76	3	
15	1	Yellow Perch	160	52	2	
16	1	Yellow Perch	199	89	3	
17	1	Yellow Perch	158	50	2	
18	1	Yellow Perch	172	55	1	
19	1	Yellow Perch	175	61	2	
20	1	Yellow Perch	174	58	3	
21	1	Yellow Perch	161	44	2	
22	1	Yellow Perch	167	44	2	
23	1	Yellow Perch	165	48	2	
24	1	Yellow Perch	215	108	4	
25	1	Yellow Perch	183	62	3	
26	1	Yellow Perch	184	76	2	
27	1	Yellow Perch	230	131	3	
28	1	Yellow Perch	178	65	2	
29	1	Yellow Perch	154	31	3	
30	1	Yellow Perch	175	60	2	
31	1	Yellow Perch	173	48	2	
32	1	Yellow Perch	185	44	2	
33	1	Yellow Perch	166	40	2	
34	1	Yellow Perch	205	104	3	
35	1	Yellow Perch	131	23	2	
36	1	Yellow Perch	180	65	3	
37	1	Yellow Perch	166	52	2	
38	1	Yellow Perch	183	66	3	
39	1	Yellow Perch	215	109	3	
40	1	Yellow Perch	190	75	3	
41	1	Yellow Perch	220	131	4	
42	1	Yellow Perch	171	46	2	
43	1	Yellow Perch	171	62	3	
44	1	Yellow Perch	179	68	2	
45	1	Yellow Perch	207	95	2	
46	1	Yellow Perch	167	60	2	
47	1	Yellow Perch	165	55	2	
48	1	Yellow Perch	172	58	2	
49	1	Pumpkinseed	173	112		
50	1	Pumpkinseed	168	95		
51	1	Pumpkinseed	170	103		
52	1	Pumpkinseed	122	34		
53	1	Pumpkinseed	156	73		
54	1	Pumpkinseed	151	73		
55	1	Brown Bullhead	255	238		
56	1	Yellow Perch	165	45	2	
57	1	Pumpkinseed	177	106		
58	1	Pumpkinseed	176	135		
59	1	Common Carp	705	5820		
60	1	Common Carp	670	5020		
61	1	Common Carp	743	6210		
62	1	White Sucker	365	589		
63	1	White Sucker	500	1220		

(CONTINUED)
END TIME: June 7, 1988 15:00
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 21.8 hours
SAMPLE : 11480

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	White Sucker	518	1450		
65	1	White Sucker	358	504		
66	1	White Sucker	220	152		
67	1	White Sucker	491	1170		
68	1	White Sucker	501	1310		
69	1	White Sucker	490	1110		
70	1	White Sucker	432	744		
71	1	White Sucker	497	1280		
72	1	White Sucker	527	1330		
73	1	White Sucker	405	576		
74	1	White Sucker	458	939		
75	1	Yellow Perch	182	63	3	

END TIME: June 7, 1988 16:25
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 23.0 hours
SAMPLE : 11481

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	286	322	3	
2	1	White Perch	296	367	3	
3	1	White Perch	225	179	2	
4	1	Yellow Perch	185	70	2	
5	1	Yellow Perch	160	43	2	
6	1	Yellow Perch	174	52	2	
7	1	Yellow Perch	188	72	2	
8	1	Bluegill	136	45		
9	1	Bluegill	141	56		
10	1	Bluegill	132	48		
11	1	Pumpkinseed	155	81		
12	1	Pumpkinseed	146	66		
13	1	Common Carp	805	8760		

END TIME: June 7, 1988 16:50
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 24.3 hours
SAMPLE : 11482

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	252	186	3	3188
2	1	Smallmouth Bass	238	163	2	3189
3	1	Smallmouth Bass	205	88	2	3190
4	1	Smallmouth Bass	271	220	3	3143
5	1	Yellow Perch	264	222	4	
6	1	Yellow Perch	207	85	3	
7	1	Yellow Perch	198	82	2	
8	1	Yellow Perch	203	84	3	
9	1	Yellow Perch	198	82	3	
10	1	Brown Bullhead	256	295		
11	1	White Sucker	257	174		
12	1	White Sucker	272	206		
13	1	White Sucker	359	515		
14	1	White Sucker	355	511		
15	1	White Sucker	363	502		

END TIME: June 7, 1988 12:20
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 19.7 hours
SAMPLE : 11483

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp	725	6300		
2	1	White Perch	196	100	2	
3	1	White Perch	193	92	2	
4	1	White Perch	182	91	2	
5	1	White Perch	204	122	2	
6	1	White Sucker	469	1170		
7	1	White Sucker	471	1150		
8	1	White Sucker	448	938		
9	1	White Sucker	415	752		
10	1	White Sucker	496	1300		
11	1	White Sucker	484	1090		
12	1	White Sucker	434	875		
13	1	White Sucker	374	530		
14	1	White Sucker	372	553		
15	1	White Sucker	372	508		
16	1	White Sucker	450	857		
17	1	Yellow Perch	192	89	2	
18	1	Pumpkinseed	150	66		
19	1	Pumpkinseed	135	63		
20	1	Pumpkinseed	125	42		
21	1	Pumpkinseed	131	40		
22	1	Bluegill	158	88		
23	1	Rock Bass	194	139		
24	1	Rock Bass	197	135		

END TIME: June 7, 1988 8:32
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 19.1 hours
SAMPLE : 11484

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	72	8.0		

END TIME: June 8, 1988 10:20
LOCATION: Rum Point
METHOD : Trap net, 24.8 hours
SAMPLE : 11485

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	195	165		
2	1	Pumpkinseed	141	65		
3	1	Pumpkinseed	170	129		
4	1	Pumpkinseed	182	130		
5	1	Pumpkinseed	162	107		
6	1	Pumpkinseed	157	83		
7	1	Pumpkinseed	149	71		
8	1	Pumpkinseed	161	95		
9	1	Pumpkinseed	157	99		
10	1	Bluegill	197	174		
11	1	Bluegill	142	52		
12	1	Yellow Perch	201	84	2	
13	1	Yellow Perch	250	163	3	
14	1	Yellow Perch	257	183	4	
15	1	Yellow Perch	182	60	2	
16	1	Yellow Perch	166	54		
17	1	Yellow Perch	175	49	2	
18	1	Yellow Perch	150	32	2	
19	1	Yellow Perch	212	87	3	
20	1	Yellow Perch	193	71	3	
21	1	Yellow Perch	175	58	2	
22	1	Yellow Perch	166	48	3	
23	1	Yellow Perch	146	33	2	
24	1	Yellow Perch	181	61	2	
25	1	Rock Bass	156	70		
26	1	Rock Bass	163	85		
27	1	Rock Bass	90	21		

END TIME: June 8, 1988 10:45
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 23.9 hours
SAMPLE : 11486

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	261	241	3	3191
2	1	Smallmouth Bass	255	203	2	3192
3	1	Pumpkinseed	187	162		
4	1	Pumpkinseed	188	157		
5	1	Pumpkinseed	106	14		
6	1	Pumpkinseed	165	97		
7	1	Pumpkinseed	111	26		
8	1	Pumpkinseed	112	23		
9	1	Pumpkinseed	108	24		
10	1	Pumpkinseed	113	25		

END TIME: June 8, 1988 9:45
LOCATION: Station 5-Vermont
METHOD : Trap net, 23.4 hours
SAMPLE : 11487

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	171	139		
2	1	Pumpkinseed	158	106		
3	1	Pumpkinseed	158	115		
4	1	Pumpkinseed	130	54		
5	1	Pumpkinseed	124	46		
6	1	Yellow Perch	148	55	2	

END TIME: June 8, 1988 11:40
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.3 hours
SAMPLE : 11488

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp	697	5950		
2	1	Walleye	501	1260	3	
3	1	Smallmouth Bass	321	411	4	3193
4	1	White Perch	311	427	5	
5	1	Yellow Perch	202	48	3	
6	1	Yellow Perch	207	53	3	
7	1	Yellow Perch	157	41	2	
8	1	Yellow Perch	192	58	3	
9	1	Yellow Perch	173	62	3	
10	1	Yellow Perch	195	53	2	
11	1	Yellow Perch	249	177	3	
12	1	Yellow Perch	171	55	3	
13	1	Yellow Perch	180	46	3	
14	1	Yellow Perch	142	28	2	
15	1	Yellow Perch	262	187		
16	1	Yellow Perch	134	20	2	
17	1	Yellow Perch	281	253		
18	1	Yellow Perch	151	35	3	
19	1	Yellow Perch	157	33	3	
20	1	Yellow Perch	172	52	3	
21	1	Yellow Perch	172	51	3	
22	1	Yellow Perch	188	66	4	
23	1	Yellow Perch	189	60	3	
24	1	Yellow Perch	245	177	4	
25	1	Yellow Perch	185	58	3	
26	1	Yellow Perch	234	128	4	
27	1	Yellow Perch	179	52	3	
28	1	Yellow Perch	230	130	3	
29	1	Yellow Perch	204	85	3	
30	1	Yellow Perch	190	57	3	
31	1	Yellow Perch	183	61	3	
32	1	Yellow Perch	278	251	4	
33	1	Yellow Perch	216	96	4	
34	1	Yellow Perch	182	53	3	
35	1	Yellow Perch	165	49	3	
36	1	Yellow Perch	182	54	3	
37	1	Yellow Perch	162	54	3	
38	1	Yellow Perch	260	191	4	
39	1	Yellow Perch	167	49	3	
40	1	Yellow Perch	184	62	3	
41	1	Yellow Perch	155	37	3	
42	1	Yellow Perch	182	58	3	
43	1	Yellow Perch	242	158	4	
44	1	White Sucker	465	1060		
45	1	Pumpkinseed	196	188		
46	1	Pumpkinseed	181	142		
47	1	Pumpkinseed	200	195		
48	1	Pumpkinseed	150	92		
49	1	Pumpkinseed	184	132		
50	1	Pumpkinseed	207	169		
51	1	Pumpkinseed	142	67		
52	1	Pumpkinseed	155	98		
53	1	Pumpkinseed	150	65		
54	1	Pumpkinseed	161	89		
55	1	Pumpkinseed	192	144		
56	1	Pumpkinseed	132	50		
57	1	Pumpkinseed	175	137		
58	1	Pumpkinseed	184	167		
59	1	Pumpkinseed	172	116		
60	1	Pumpkinseed	210	207		
61	1	Pumpkinseed	167	100		
62	1	Pumpkinseed	180	121		
63	1	Pumpkinseed	165	102		

(CONTINUED)
END TIME: June 8, 1988 11:40
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.3 hours
SAMPLE : 11488

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Pumpkinseed	170	102		
65	1	Pumpkinseed	165	87		
66	1	Pumpkinseed	180	131		
67	1	Pumpkinseed	155	192		
68	1	Pumpkinseed	160	99		
69	1	Pumpkinseed	182	176		
70	1	Pumpkinseed	180	139		
71	1	Pumpkinseed	187	142		
72	1	Pumpkinseed	134	43		
73	1	Pumpkinseed	162	107		
74	1	Pumpkinseed	187	138		
75	1	Pumpkinseed	142	67		
76	1	Pumpkinseed	172	112		
77	1	Pumpkinseed	145	53		
78	1	Pumpkinseed	181	138		
79	1	Pumpkinseed	178	116		
80	1	Pumpkinseed	157	52		
81	1	Pumpkinseed	138	46		
82	1	Pumpkinseed	152	78		
83	1	Bluegill	206	198		
84	1	Bluegill	174	106		
85	1	Bluegill	191	166		
86	1	Bluegill	175	123		
87	1	Bluegill	201	186		
88	1	Bluegill	210	247		
89	1	Bluegill	125	54		
90	1	Bluegill	190	154		
91	1	Bluegill	165	108		
92	1	Bluegill	175	113		
93	1	Bluegill	150	70		
94	38	Golden Shiner		2780		
95	1	Yellow Perch	176	58	3	
96	1	Yellow Perch	190	75	3	
97	1	Yellow Perch	169	47	3	
98	1	Rock Bass	201	157		
99	1	Pumpkinseed	124	44		
100	1	Bluegill	100	18		

END TIME: June 8, 1988 8:00
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 17.0 hours
SAMPLE : 11489

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	481	1090	4	
2	1	Walleye	414	590	2	
3	1	Walleye	447	785	3	
4	1	White Perch	266	242	3	
5	1	White Perch	259	210	2	
6	1	White Perch	180	81	2	
7	1	Yellow Perch	105	12	1	
8	1	Yellow Perch	101	11	1	
9	1	Yellow Perch	99	9.0	1	
10	1	Yellow Perch	96	8.0	1	
11	1	Yellow Perch	102	12	1	
12	1	Yellow Perch	104	11	1	
13	1	Yellow Perch	190	70	3	
14	1	Yellow Perch	206	93	3	
15	1	Yellow Perch	101	11	1	
16	1	Yellow Perch	101	12	1	
17	1	Yellow Perch	95	9.0	1	
18	1	Yellow Perch	100	13	1	
19	1	Yellow Perch	198	80	2	
20	1	Yellow Perch	104	10	1	
21	1	Yellow Perch	99	9.0	1	
22	1	Yellow Perch	191	66	3	
23	1	Yellow Perch	197	69	3	
24	1	Yellow Perch	179	59	3	
25	1	Yellow Perch	176	58	3	
26	1	Yellow Perch	105	12	1	
27	1	Yellow Perch	97	11	1	
28	1	Yellow Perch	107	15	1	
29	1	Yellow Perch	94	9.0	1	
30	1	Yellow Perch	96	10	1	
31	1	Yellow Perch	100	9.0	1	
32	1	Yellow Perch	98	8.0	1	
33	1	Yellow Perch	154	36	2	
34	1	Yellow Perch	104	12	1	
35	1	Yellow Perch	101	10	1	
36	1	Yellow Perch	107	14	1	
37	1	Yellow Perch	94	11	1	
38	1	Yellow Perch	102	11	1	
39	1	Yellow Perch	95	10	0	
40	1	Yellow Perch	97	11	1	
41	1	Yellow Perch	105	15	1	
42	1	Yellow Perch	96	10	1	
43	1	Yellow Perch	101	11	1	
44	1	Yellow Perch	96	13	1	
45	1	Yellow Perch	99	14	1	
46	1	Yellow Perch	98	11	1	
47	1	Yellow Perch	100	9.0	1	
48	1	Yellow Perch	98	11	1	
49	1	Yellow Perch	96	13	1	
50	1	Pumpkinseed	190	174		
51	1	Pumpkinseed	166	107		
52	1	Pumpkinseed	187	148		
53	1	Pumpkinseed	140	47		
54	1	Pumpkinseed	187	138		
55	1	Pumpkinseed	128	46		
56	1	Pumpkinseed	148	70		
57	1	Pumpkinseed	174	108		
58	1	Pumpkinseed	124	38		
59	1	Pumpkinseed	128	40		
60	1	Pumpkinseed	119	35		
61	1	Pumpkinseed	97	18		
62	1	Pumpkinseed	184	147		
63	1	Pumpkinseed	176	126		

(CONTINUED)
END TIME: June 8, 1988 8:00
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 17.0 hours
SAMPLE : 11489

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Pumpkinseed	180	144		
65	1	Pumpkinseed	176	126		
66	1	Pumpkinseed	179	130		
67	1	Pumpkinseed	120	35		
68	1	Pumpkinseed	167	103		
69	1	Pumpkinseed	143	59		
70	1	Pumpkinseed	187	140		
71	1	Pumpkinseed	190	163		
72	1	Pumpkinseed	175	108		
73	1	Pumpkinseed	121	22		
74	1	Pumpkinseed	121	21		
75	1	Bluegill	200	185		
76	1	Bluegill	197	180		
77	1	Bluegill	192	160		
78	1	Bluegill	194	176		
79	1	Bluegill	204	204		
80	1	Bluegill	192	195		
81	1	Bluegill	165	106		
82	1	Rock Bass	194	152		
83	1	White Sucker	455	928		
84	1	White Sucker	339	515		
85	1	White Sucker	352	486		
86	1	Golden Shiner	174	60		
87	1	Golden Shiner	181	69		
88	1	Spottail Shiner	120	14		
89	1	Spottail Shiner	119	14		
90	1	Spottail Shiner	115	13		
91	1	Spottail Shiner	122	12		
92	1	Golden Shiner	91	15		

END TIME: June 8, 1988 9:00
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 16.6 hours
SAMPLE : 11490

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	201	108	2	
2	1	White Perch	221	125	6	
3	1	White Perch	197	106	1	
4	1	Yellow Perch	172	53	2	
5	1	Yellow Perch	190	78	2	
6	1	Yellow Perch	90	8.0	1	
7	1	Pumpkinseed	122	40		

END TIME: June 8, 1988 15:10
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 22.3 hours
SAMPLE : 11491

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	135	23	3	
2	1	Yellow Perch	247	162	3	
3	1	Yellow Perch	256	177	3	
4	1	Yellow Perch	190	83	3	
5	1	White Sucker	394	586		
6	1	Pumpkinseed	191	146		
7	1	Pumpkinseed	155	78		
8	1	Pumpkinseed	122	33		
9	1	Pumpkinseed	167	86		
10	1	Pumpkinseed	138	41		
11	1	Bluegill	168	91		
12	1	Bluegill	140	60		
13	1	Rock Bass	157	79		
14	1	Rock Bass	195	165		
15	1	Rock Bass	119	38		
16	1	Rock Bass	132	51		
17	1	Rock Bass	65	6.0		
18	1	Rock Bass	67	7.0		

END TIME: June 8, 1988 14:40
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 26.3 hours
SAMPLE : 11492

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	280	244	3	3195
2	1	White Perch	284	298	4	
3	1	White Sucker	467	1070		
4	1	White Sucker	415	736		
5	1	Rock Bass	192	132		
6	1	Pumpkinseed	135	53		
7	1	Pumpkinseed	123	44		
8	1	Pumpkinseed	130	44		
9	1	Pumpkinseed	132	52		
10	1	Pumpkinseed	135	61		
11	1	Pumpkinseed	129	49		
12	1	Pumpkinseed	137	71		
13	1	Pumpkinseed	124	43		
14	1	Pumpkinseed	130	60		
15	1	Pumpkinseed	57	6.0		

END TIME: June 9, 1988 10:40
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.3 hours
SAMPLE : 11493

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	282	230	6	
2	1	Yellow Perch	238	140	4	
3	1	Yellow Perch	286	240	5	
4	1	Yellow Perch	236	144	5	
5	1	Yellow Perch	270	217	4	
6	1	Yellow Perch	230	135	4	
7	1	Yellow Perch	278	247	5	
8	1	Yellow Perch	287	276		
9	1	Yellow Perch	318	340	6	
10	1	Yellow Perch	182	60	3	
11	1	Yellow Perch	273	223	4	
12	1	Yellow Perch	215	97	3	
13	1	Yellow Perch	190	63	3	
14	1	Yellow Perch	247	174	4	
15	1	Yellow Perch	164	42	3	
16	1	Yellow Perch	185	58	3	
17	1	Yellow Perch	186	68	3	
18	1	Yellow Perch	179	63	3	
19	1	Largemouth Bass	235	167	1	
20	1	Pumpkinseed	148	67		
21	1	Pumpkinseed	174	110		
22	1	Pumpkinseed	195	185		
23	1	Pumpkinseed	176	136		
24	1	Pumpkinseed	177	132		
25	1	Pumpkinseed	156	87		
26	1	Pumpkinseed	163	95		
27	1	Pumpkinseed	181	127		
28	1	Pumpkinseed	175	141		
29	1	Pumpkinseed	142	63		
30	1	Pumpkinseed	172	103		
31	1	Pumpkinseed	165	92		
32	1	Pumpkinseed	158	74		
33	1	Pumpkinseed	154	82		
34	1	Pumpkinseed	148	66		
35	1	Pumpkinseed	154	79		
36	1	Pumpkinseed	151	71		
37	1	Pumpkinseed	118	31		
38	1	Pumpkinseed	139	51		
39	1	Pumpkinseed	125	43		
40	1	Pumpkinseed	109	21		
41	1	Bluegill	160	92		
42	1	Bluegill	194	166		
43	1	Bluegill	176	115		
44	1	Bluegill	206	199		
45	1	Bluegill	133	46		
46	1	Bluegill	190	163		
47	1	Bluegill	119	33		
48	1	Bluegill	122	37		
49	1	Bluegill	130	48		
50	1	Bluegill	140	56		
51	1	Rock Bass	126	43		
52	1	Rock Bass	132	44		
53	1	Golden Shiner	189	67		
54	1	Golden Shiner	232	131		
55	1	Golden Shiner	195	78		
56	1	Golden Shiner	170	52		
57	1	Golden Shiner	182	64		
58	1	Golden Shiner	196	79		
59	1	Golden Shiner	180	50		
60	1	Golden Shiner	182	66		
61	1	Golden Shiner	167	44		
62	1	Golden Shiner	183	62		
63	1	White Sucker	389	609		

(CONTINUED)
END TIME: June 9, 1988 10:40
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.3 hours
SAMPLE : 11493

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	Bluegill	164	90		
65	1	Common Carp	670	4480		

END TIME: June 9, 1988 13:10
LOCATION: Station 2
METHOD : Trap net, 20.1 hours
SAMPLE : 11494

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	292	308		3800
2	1	Smallmouth Bass	265	208	3	3801
3	1	Smallmouth Bass	242	168	3	3802
4	1	Yellow Perch	267	211	4	
5	1	Yellow Perch	179	56	3	
6	1	Yellow Perch	214	97	2	
7	1	Rock Bass	220	233		
8	1	Rock Bass	198	143		
9	1	Fallfish	187	70		
10	1	Fallfish	64	178		
11	1	White Sucker	345	462		
12	1	White Sucker	417	782		
13	1	White Sucker	455	758		
14	1	White Sucker	356	507		
15	1	White Sucker	328	393		
16	1	White Sucker	357	493		
17	1	White Sucker	367	575		
18	1	White Sucker	358	522		

END TIME: June 9, 1988 13:50
LOCATION: Station 2
METHOD : Trap net, 20.5 hours
SAMPLE : 11495

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	310	372	3	3803
2	1	Rock Bass	228	233		
3	1	Rock Bass	246	292		
4	1	Rock Bass	223	211		
5	1	Rock Bass	164	94		

END TIME: June 9, 1988 14:35
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 20.8 hours
SAMPLE : 11496

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	468	933		
2	1	White Sucker	468	1100		
3	1	White Sucker	426	757		
4	1	White Sucker	399	578		
5	1	Yellow Perch	100	9.0	0	
6	1	White Perch	308	429	6	
7	1	Rock Bass	214	192		
8	1	Rock Bass	153	73		
9	1	Rock Bass	223	232		
10	1	Rock Bass	215	188		
11	1	Rock Bass	252	280		
12	1	Rock Bass	189	116		
13	1	Bluegill	193	162		

END TIME: June 9, 1988 15:05
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 21.0 hours
SAMPLE : 11497

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	355	478		
2	1	White Sucker	474	963		
3	1	Bluegill	236	330		
4	1	Bluegill	199	148		

END TIME: June 9, 1988 15:15
LOCATION: Station 3
METHOD : Trap net, 20.8 hours
SAMPLE : 11498

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	481	888		
2	1	Smallmouth Bass	274	214	3	

END TIME: June 9, 1988 15:45
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 20.9 hours
SAMPLE : 11499

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	335	474	3	3804

END TIME: June 10, 1988 8:55
LOCATION: Station 2
METHOD : Trap net, 19.8 hours
SAMPLE : 11503

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	309	386	5	3805
2	1	Smallmouth Bass	190	91	2	
3	1	Rock Bass	221	206		
4	1	Rock Bass	184	126		
5	1	Rock Bass	210	165		
6	1	White Sucker	427	708		

END TIME: June 10, 1988 9:15
LOCATION: Station 2
METHOD : Trap net, 19.4 hours
SAMPLE : 11504

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	320	521	4	
2	1	Rock Bass	165	89		

END TIME: June 10, 1988 10:10
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 19.5 hours
SAMPLE : 11505

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	307	364	3	3806
2	1	Brown Bullhead	354	702		
3	1	Brown Bullhead	373	787		
4	1	Brown Bullhead	281	398		
5	1	Brown Bullhead	276	356		
6	1	Rock Bass	201	169		
7	1	Bluegill	215	279		
8	1	White Sucker	482	1050		
9	1	White Sucker	437	926		
10	1	White Sucker	505	1310		
11	1	White Sucker	512	1210		
12	1	White Sucker	480	978		
13	1	White Sucker	496	1130		
14	1	White Sucker	475	1120		
15	1	White Sucker	495	1040		
16	1	White Sucker	490	1170		
17	1	White Sucker	485	1160		
18	1	White Sucker	511	1210		
19	1	White Sucker	461	886		
20	1	Yellow Perch	264	239	4	
21	1	Yellow Perch	280	264	3	
22	1	Yellow Perch	252	203	4	
23	1	Yellow Perch	216	113	2	
24	1	Yellow Perch	245	162	4	
25	1	Yellow Perch	186	73	2	
26	1	Yellow Perch	252	185	4	
27	1	Yellow Perch	225	122	2	
28	1	Yellow Perch	257	194	4	
29	1	Yellow Perch	261	211	3	
30	1	Yellow Perch	268	234	5	
31	1	Yellow Perch	225	109	3	
32	1	Yellow Perch	262	246	6	
33	1	Yellow Perch	236	128	3	
34	1	Yellow Perch	176	49	2	

END TIME: June 10, 1988 11:05
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 20.0 hours
SAMPLE : 11506

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	260	205		3807
2	1	Rock Bass	190	139		
3	1	Golden Shiner	190	114		
4	1	White Sucker	352	447		
5	1	White Sucker	395	644		
6	1	White Sucker	356	497		
7	1	Pumpkinseed	119	39		

END TIME: June 10, 1988 11:20
LOCATION: Station 3
METHOD : Trap net, 20.1 hours
SAMPLE : 11507

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	203	159		
2	1	Rock Bass	182	97		
3	1	Rock Bass	186	134		
4	1	Rock Bass	204	181		
5	1	Rock Bass	213	210		
6	1	Rock Bass	190	128		
7	1	Rock Bass	205	154		
8	1	Bluegill	215	238		
9	1	Bluegill	210	221		
10	1	Smallmouth Bass	279	234	3	3771

END TIME: June 10, 1988 12:05
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 20.3 hours
SAMPLE : 11508

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	197	71	3	
2	1	Bluegill	174	123		
3	1	Bluegill	201	183		
4	1	Rock Bass	204	183		

END TIME: June 13, 1988 13:55
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 144.5 hours
SAMPLE : 11513

No catch for this collection.

END TIME: June 14, 1988 12:55
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 23.0 hours
SAMPLE : 11550

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	153	104		

END TIME: June 13, 1988 21:00
LOCATION: Rum Point
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11551

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	15	Yellow Perch		593		
2	1	White Perch		377		
3	7	White Sucker		3020		
4	1	American Eel		1160		
5	4	Pumpkinseed		210		
6	2	Bluegill		69		
7	1	Golden Shiner		3.0		
8	1	Spottail Shiner		3.0		
9	1	Smallmouth Bass	235	135	2	3196
10	1	Largemouth Bass	231	153	1	

END TIME: June 13, 1988 21:55
LOCATION: Station 5-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11552

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	520	1440	6	
2	16	Yellow Perch		683		
3	10	White Sucker		6830		
4	1	American Eel		673		
5	1	Brown Bullhead		129		
6	2	White Perch		447		
7	1	Pumpkinseed		171		
8	1	Bluegill		18		
9	1	Smallmouth Bass	241	180	3	3197

END TIME: June 13, 1988 22:40
LOCATION: Station 5-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11553

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	17	Yellow Perch		765		
2	6	White Sucker		5920		
3	7	White Sucker		4390		
4	1	Walleye	228	90	1	
5	1	Smallmouth Bass	269	238		3199
6	1	Largemouth Bass	278	281	1	
7	1	Smallmouth Bass	230	144		3198
8	1	Largemouth Bass	227	136	1	
9	1	Smallmouth Bass	172	72	2	
10	5	Bluegill		514		
11	7	Pumpkinseed		263		
12	2	Spottail Shiner		5.0		
13	1	Mimic Shiner		1.0		

END TIME: June 6, 1988 21:08
LOCATION: New Hampshire Setback
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11564

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	202	92	2	
2	1	Largemouth Bass	183	59	2	
3	1	Smallmouth Bass	179	79	2	
4	1	Largemouth Bass	324	479	3	
5	1	Largemouth Bass	393	900	3	
6	1	Largemouth Bass	426	1050	5	
7	1	Largemouth Bass	410	776	3	
8	1	Largemouth Bass	425	912	4	
9	1	Largemouth Bass	335	443	3	
10	1	Largemouth Bass	437	1130	4	
11	1	Largemouth Bass	347	511	3	
12	1	Largemouth Bass	208	98	2	
13	1	Largemouth Bass	336	471	2	
14	1	Largemouth Bass	247	226	3	
15	1	Common Carp		1200		
16	5	Pumpkinseed		303		
17	6	Yellow Perch		207		
18	8	Bluegill		241		
19	2	Golden Shiner		161		
20	3	White Sucker		581		
21	1	Bluegill		18		
22	6	Pumpkinseed		94		
23	1	Rock Bass		26		
24	1	Yellow Bullhead		132		
25	1	Bluegill		14		
26	1	Common Carp		3790		
27	1	Largemouth Bass	92	9.0	1	
28	1	Smallmouth Bass	125	25	1	

END TIME: June 6, 1988 22:23
LOCATION: Station 4-Vermont
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11565

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	13	White Sucker		8310		
2	1	Smallmouth Bass	266	237	4	3195
3	23	Yellow Perch		1760		
4	1	Smallmouth Bass	242	162		3137
5	1	Largemouth Bass	230	139	2	
6	1	Smallmouth Bass	195	81		3190
7	1	Largemouth Bass	260	225	2	
8	1	Smallmouth Bass	176	60	1	
9	1	Largemouth Bass	242	169	1	
10	1	Smallmouth Bass	228	144	2	3226
11	5	Pumpkinseed		352		
12	2	White Perch		147		
13	1	Yellow Perch		79		

END TIME: June 6, 1988 23:20
LOCATION: Station 4-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11566

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	19	White Sucker		9490		
2	13	White Perch		1550		
3	1	Smallmouth Bass	224	118	2	3227
4	1	Largemouth Bass	245	165	2	
5	1	Smallmouth Bass	207	101	2	3228
6	1	Smallmouth Bass	184	75	1	
7	1	Smallmouth Bass	308	357	4	3229
8	1	Largemouth Bass	226	141	2	
9	1	Smallmouth Bass	266	197	3	3230
10	1	Smallmouth Bass	174	67	2	
11	1	Smallmouth Bass	192	96	2	
12	1	Smallmouth Bass	214	123	3	3231
13	1	Smallmouth Bass	161	42	2	
14	1	Largemouth Bass	241	176	2	
15	1	Largemouth Bass	244	192	2	
16	13	Yellow Perch		798		
17	8	Bluegill		359		
18	6	Pumpkinseed		309		
19	5	White Sucker		791		
20	3	Pumpkinseed		291		
21	5	Golden Shiner		177		
22	2	Rock Bass		76		
23	4	Bluegill		173		
24	1	White Perch		25		
25	1	Rock Bass		22		
26	3	Spottail Shiner		21		

END TIME: June 15, 1988 20:36
LOCATION: Station 2
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11567

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	460	1200	6	
2	1	White Sucker	435	877		
3	1	Smallmouth Bass	349	516	5	3808

END TIME: June 15, 1988 21:31
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11568

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	260	201	3	3809
2	1	Yellow Perch	105	10	0	
3	1	Yellow Perch	97	9.0	1	
4	1	American Shad	465	1370	6	
5	1	American Shad	443	1030	4	
6	1	American Shad	471	1400	5	
7	1	American Shad	455	1120	4	
8	1	American Shad	430	871	3	
9	1	American Shad	402	801	3	
10	1	American Shad	398	732	3	
11	1	White Sucker	485	969		

END TIME: June 15, 1988 22:35
LOCATION: Stebbin Island-Vermont Side
METHOD : Electrofishing, 0.6 hours
SAMPLE : 11569

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Eel		464		
2	1	Smallmouth Bass	187	79	1	
3	1	Smallmouth Bass	322	453	3	3810
4	1	Smallmouth Bass	319	387	3	3811
5	1	Smallmouth Bass	264	234	2	3812
6	1	Smallmouth Bass	298	419	3	3813
7	1	Smallmouth Bass	170	63	2	
8	1	Smallmouth Bass	247	173	2	3814
9	1	Smallmouth Bass	252	215	2	3815
10	1	Smallmouth Bass	201	108	1	
11	1	Yellow Perch	280	296	3	
12	1	Fallfish	190	74		
13	1	Common Carp		4940		
14	1	American Shad	477	1390	5	
15	1	American Shad	502	1580	6	
16	1	American Shad	460	1060	4	
17	1	American Shad	418	857	4	
18	1	American Shad	471	1530	4	
19	1	American Shad	435	1100	4	
20	1	American Shad	450	1220	4	
21	1	American Shad	410	787	3	
22	1	American Shad	425	982	5	
23	1	American Shad	424	795	4	
24	1	American Shad	434	855	5	
25	8	White Sucker		6050		
26	1	Sea Lamprey		742		
27	1	Spottail Shiner	111	12		
28	1	Fallfish	247	165		

END TIME: June 15,1988 23:58
LOCATION: Station 3
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11570

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	5	White Sucker		3580		
2	2	Yellow Perch				
3	4	Fallfish		177		
4	1	White Sucker		87		
5	2	Bluegill		217		
6	1	Smallmouth Bass	196	102	1	
7	1	Smallmouth Bass	183	93	1	
8	1	Smallmouth Bass	242	183	2	3817
9	1	Smallmouth Bass	190	104	1	
10	1	Smallmouth Bass	180	83	1	
11	1	Smallmouth Bass	183	77	1	
12	1	Smallmouth Bass	189	97	1	
13	1	Smallmouth Bass	192	114	1	
14	1	Walleye	194	60	1	
15	1	Walleye	244	116	1	
16	1	Smallmouth Bass	131	25	1	
17	5	Rock Bass		580		
18	1	Spottail Shiner		14		

END TIME: June 16, 1988 00:52
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11571

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	264	219	2	3818
2	1	Smallmouth Bass	305	281	3	3819
3	1	Smallmouth Bass	282	255		3820
4	1	Largemouth Bass	239	151	2	
5	1	Largemouth Bass	216	125	1	
6	1	Largemouth Bass	211	110	2	
7	2	White Sucker		2520		
8	1	Yellow Perch		61		
9	2	Rock Bass		68		
10	3	Bluegill		417		
11	1	Pumpkinseed		85		
12	1	Bluegill		38		

END TIME: July 1, 1988 15:31
LOCATION: Vermont Yankee Discharge, 1 foot
METHOD : Dip net, 0.0 hours
SAMPLE : 11648

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Cyprinidae	16			
2	1	Cyprinidae	14			
3	1	Cyprinidae	16			
4	1	Cyprinidae	14			
5	1	Cyprinidae	15			
6	1	Cyprinidae	14			
7	1	Cyprinidae	13			
8	1	Cyprinidae	16			
9	1	Cyprinidae	16			
10	1	Cyprinidae	16			
11	1	Cyprinidae	16			
12	1	Cyprinidae	20			
13	1	Cyprinidae	17			
14	1	Cyprinidae	16			
15	1	Cyprinidae	13			
16	1	Cyprinidae	13			
17	1	Cyprinidae	14			
18	1	Cyprinidae	18			
19	1	Cyprinidae	16			
20	1	Cyprinidae	16			
21	1	Cyprinidae	17			
22	1	Cyprinidae	17			
23	1	Cyprinidae	15			
24	1	Cyprinidae	15			
25	1	Cyprinidae	15			
26	1	Cyprinidae	16			
27	1	Cyprinidae	16			
28	1	Cyprinidae	16			
29	1	Cyprinidae	16			
30	1	Cyprinidae	16			
31	1	Cyprinidae	14			
32	1	Cyprinidae	16			
33	1	Cyprinidae	16			
34	1	Cyprinidae	15			
35	1	Cyprinidae	15			
36	1	Cyprinidae	16			
37	1	Cyprinidae	16			
38	1	Cyprinidae	15			
39	1	Cyprinidae	15			
40	1	Cyprinidae	18			
41	1	Cyprinidae	14			
42	1	Notropis sp.	12			
43	1	Cyprinidae	16			
44	1	Cyprinidae	15			
45	1	Cyprinidae	17			
46	1	Cyprinidae	15			
47	1	Common Carp	12			
48	1	Largemouth Bass	9			

END TIME: July 12, 1988 21:45
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 1.5 hours
SAMPLE : 11652

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	55	1.5		
2	1	American Shad	46	0.8		
3	1	American Shad	52	1.5		
4	1	American Shad	45	0.8		
5	1	American Shad	52	1.3		
6	1	American Shad	47	1.0		
7	1	American Shad	48	0.9		
8	1	American Shad	45	0.8		
9	1	American Shad	46	1.0		
10	1	American Shad	49	1.1		
11	1	American Shad	55	1.4		
12	1	American Shad	54	1.5		

END TIME: July 18, 1988 21:50
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11667

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	55	1.2		
2	1	American Shad	56	1.5		
3	1	American Shad	57	1.5		
4	1	American Shad	60	1.8		
5	1	American Shad	48	0.7		
6	1	American Shad	58	1.8		
7	1	American Shad	56	1.8		
8	1	American Shad	56	1.6		
9	1	American Shad	60	1.7		
10	1	American Shad	66	2.9		
11	1	American Shad	64	2.9		
12	1	American Shad	57	1.6		
13	1	American Shad	55	1.4		
14	1	American Shad	57	1.6		
15	1	American Shad	55	1.4		
16	1	American Shad	58	1.9		
17	1	American Shad	60	1.8		
18	1	American Shad	46	0.8		
19	1	American Shad	61	2.2		
20	1	American Shad	62	2.3		
21	1	American Shad	54	1.4		
22	1	American Shad	57	1.6		
23	1	American Shad	57	1.7		
24	1	American Shad	66	2.6		
25	1	American Shad	60	1.9		
26	1	American Shad	50	1.1		
27	1	American Shad	62	2.0		
28	1	American Shad	56	1.7		
29	1	American Shad	60	2.2		
30	1	American Shad	59	1.9		
31	1	American Shad	54	1.5		
32	1	American Shad	57	1.6		
33	1	American Shad	55	1.5		
34	1	American Shad	51	1.2		
35	1	American Shad	52	1.3		
36	1	American Shad	56	1.4		
37	1	American Shad	61	2.3		
38	1	American Shad	61	2.1		
39	1	American Shad	50	1.0		
40	1	American Shad	53	1.3		
41	1	American Shad	57	1.8		
42	1	American Shad	60	2.2		
43	1	American Shad	64	2.6		
44	1	American Shad	52	1.4		
45	1	American Shad	56	1.8		
46	1	American Shad	53	1.3		
47	1	American Shad	61	2.2		
48	1	American Shad	64	2.6		
49	1	American Shad	56	1.7		
50	1	American Shad	60	2.2		
51	1	American Shad	51	1.2		
52	1	American Shad	58	1.7		
53	1	American Shad	52	1.1		
54	1	American Shad	49	1.0		
55	1	American Shad	62	2.0		
56	1	American Shad	65	2.7		
57	1	American Shad	55	1.3		
58	1	American Shad	56	1.4		
59	1	American Shad	61	1.8		
60	1	American Shad	54	1.4		
61	1	American Shad	58	1.8		
62	1	American Shad	62	2.2		
63	1	Smallmouth Bass	60	2.8		

END TIME: July 18, 1988 21:15
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.5 hours
SAMPLE : 11668

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Mimic Shiner				
2	1	Mimic Shiner				
3	1	Mimic Shiner				
4	1	Mimic Shiner				
5	1	Mimic Shiner				
6	1	Mimic Shiner				

END TIME: July 18, 1988 22:12
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11669

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	58	1.6		
2	1	American Shad	58	1.5		

END TIME: July 18, 1988 22:30
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11670

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	60	2.0		
2	1	American Shad	53	1.2		
3	1	American Shad	60	1.8		
4	1	American Shad	48	1.0		
5	1	American Shad	55	1.4		
6	1	American Shad	53	1.2		
7	1	American Shad	61	1.9		
8	1	American Shad	60	1.8		
9	1	American Shad	59	1.7		
10	1	American Shad	62	2.0		
11	1	American Shad	46	0.7		
12	1	American Shad	58	1.6		
13	1	American Shad	62	2.3		
14	1	American Shad	58	1.7		
15	1	American Shad	55	1.6		
16	1	American Shad	63	2.2		
17	1	American Shad	55	1.4		
18	1	American Shad	52	1.2		
19	1	American Shad	52	1.3		
20	1	American Shad	60	1.8		
21	1	American Shad	59	1.9		
22	1	American Shad	62	2.2		
23	1	American Shad	48	0.9		
24	1	American Shad	58	1.6		
25	1	American Shad	53	1.1		
26	1	American Shad	50	1.0		
27	1	American Shad	55	1.3		
28	1	American Shad	56	1.4		
29	1	American Shad	65	2.6		
30	1	American Shad	59	1.8		
31	1	American Shad	56	1.6		
32	1	American Shad	56	1.6		
33	1	American Shad	52	1.2		
34	1	American Shad	50	1.1		
35	1	American Shad	67	3.0		
36	1	American Shad	60	1.9		
71	1	American Shad	537	969	6	

END TIME: July 18, 1988 22:50
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11671

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	56	1.5		
2	1	American Shad	50	1.1		
3	1	American Shad	61	2.1		
4	1	American Shad	64	2.7		
5	1	American Shad	56	1.6		
6	1	American Shad	48	1.0		
7	1	American Shad	57	1.7		
8	1	American Shad	53	1.2		
9	1	American Shad	53	1.2		
10	1	American Shad	54	1.2		
11	1	American Shad	56	1.5		
12	1	American Shad	55	1.4		
13	1	American Shad	52	1.1		
14	1	American Shad	54	1.4		
15	1	American Shad	65	2.5		
16	1	American Shad	57	1.7		
17	1	American Shad	51	1.1		
18	1	American Shad	53	1.3		
19	1	American Shad	51	1.2		
20	1	American Shad	45	1.0		
21	1	American Shad		2.3		
22	1	American Shad	55	1.4		
23	1	American Shad	49	1.0		
24	1	American Shad	49	1.0		
25	1	American Shad	45	0.7		
26	1	American Shad	39	0.5		
27	1	American Shad	50	1.1		
28	1	American Shad	52	1.2		
29	1	American Shad	50	1.0		
30	1	American Shad	48	0.9		
31	1	American Shad	51	1.1		
32	1	American Shad	60	1.7		
33	1	American Shad	60	1.7		
34	1	American Shad	57	1.3		
35	1	American Shad	57	1.6		
36	1	American Shad	56	1.4		
37	1	American Shad	56	1.6		
38	1	American Shad	40	0.5		
39	1	American Shad	59	1.9		
40	1	American Shad	59	2.0		
41	1	American Shad	55	1.4		
42	1	American Shad	55	1.4		
43	1	American Shad	55	1.5		
44	1	American Shad	55	1.3		
45	1	American Shad	55	1.0		
46	1	American Shad	51	1.1		
47	1	American Shad	51	1.2		
48	1	American Shad	56	1.6		
49	1	American Shad	54	1.5		
50	1	American Shad	52	1.4		
51	1	American Shad		1.8		
52	1	American Shad	60	2.0		
53	1	American Shad	58	1.7		
54	1	American Shad	51	1.2		
55	1	American Shad		1.7		
56	1	American Shad	55	1.6		
57	1	American Shad	47	0.9		
58	1	American Shad	52	1.2		

END TIME: July 18, 1988
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Electrofishing
SAMPLE : 11672

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	51	1.3		
2	1	American Shad	58	1.8		
3	1	American Shad	46	1.0		
4	1	American Shad	44	0.8		
5	1	American Shad	36	0.4		
6	1	Spottail Shiner				

END TIME: July 18, 1988 23:30
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11673

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	55	1.6		
2	1	American Shad	53	1.4		
3	1	American Shad	55	1.6		
4	1	American Shad	54	1.4		
5	1	American Shad	55	1.4		
6	1	American Shad	59	2.2		
7	1	American Shad	65	3.0		
8	1	American Shad	59	2.2		
9	1	American Shad	68	3.0		
10	1	American Shad	59	1.7		
11	1	American Shad	55	1.5		
12	1	American Shad	52	1.4		
13	1	American Shad	51	1.4		
14	1	American Shad	57	2.0		
15	1	American Shad	55	1.6		
16	1	American Shad	56	1.8		
17	1	American Shad	49	1.0		
18	1	American Shad	56	1.8		
19	1	American Shad	54	1.5		
20	1	American Shad	61	2.3		
21	1	American Shad	55	1.7		
22	1	American Shad	55	1.6		
23	1	American Shad	60	2.2		
24	1	American Shad	58	1.8		
25	1	American Shad	60	2.5		
26	1	American Shad	54	1.6		
27	1	American Shad	57	2.1		
28	1	American Shad	60	1.9		
29	1	American Shad	69	3.6		
30	1	American Shad	40	0.5		
31	1	American Shad	61	2.2		
32	1	American Shad	51	1.3		
33	1	American Shad	53	1.5		
34	1	American Shad	64	2.6		
35	1	American Shad	55	1.6		
36	1	American Shad	55	1.6		
37	1	American Shad	50	1.2		
38	1	American Shad	60	2.3		
39	1	American Shad	54	1.3		
40	1	American Shad	54	1.5		
41	1	American Shad	60	2.3		
42	1	American Shad	60	2.0		
43	1	American Shad	47	0.9		
44	1	American Shad	55	1.6		
45	1	American Shad	52	1.2		
46	1	American Shad	54	1.5		
47	1	American Shad	57	1.7		
48	1	American Shad	50	1.0		
49	1	American Shad	51	1.2		
50	1	American Shad	60	2.0		
51	1	American Shad	54	1.4		
52	1	American Shad	50	1.2		
53	1	American Shad	54	1.3		
54	1	American Shad	60	2.0		
55	1	American Shad	60	1.8		

END TIME: July 26, 1988 21:36
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11674

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	42	0.6		
2	1	American Shad	60	2.1		
3	1	American Shad	64	2.6		
4	1	American Shad	60	2.2		
5	1	American Shad	67	3.0		
6	1	American Shad	67	3.2		
7	1	American Shad	61	2.2		
8	1	American Shad	60	2.1		
9	1	American Shad	66	2.8		
10	1	American Shad	63	2.5		
11	1	American Shad	63	2.5		
12	1	American Shad	60	2.1		
13	1	American Shad	51	1.2		
14	1	American Shad	57	1.7		
15	1	American Shad	56	1.5		
16	1	American Shad	49	1.1		
71	1	American Shad	472	606	4	

END TIME: July 26, 1988 21:44
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11675

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	64	2.5		
2	1	American Shad	62	2.1		
3	1	American Shad	61	2.1		
4	1	American Shad	66	2.8		
5	1	American Shad	57	1.9		
6	1	American Shad	65	2.7		
7	1	American Shad	61	2.1		
8	1	American Shad	53	1.4		
9	1	American Shad	58	1.9		
10	1	American Shad	53	1.5		
11	1	American Shad	49	1.0		
12	1	American Shad	52	1.3		
13	1	American Shad	49	1.1		
14	1	American Shad	48	1.0		
15	1	American Shad	46	0.9		
16	1	American Shad	44	0.7		
17	1	American Shad	41	0.6		
18	1	American Shad	46	1.6		
19	1	American Shad	55	1.6		

END TIME: July 26, 1988 21:59
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11676

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	65	2.6		
2	1	American Shad	64	2.5		
3	1	American Shad	65	2.6		
4	1	American Shad	67	2.9		
5	1	American Shad	60	2.2		
6	1	American Shad	64	2.5		
7	1	American Shad	62	2.5		
8	1	American Shad	64	2.7		
9	1	American Shad	62	2.5		
10	1	American Shad	65	2.7		
11	1	American Shad	61	2.2		
12	1	American Shad	58	1.8		
13	1	American Shad	54	1.3		
14	1	American Shad	54	1.4		
15	1	American Shad	52	1.3		

END TIME: July 26, 1988 22:16
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11677

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	54	1.4		
2	1	American Shad	55	1.5		
3	1	American Shad	61	1.9		
4	1	American Shad	59	1.6		
5	1	American Shad	60	1.9		
6	1	American Shad	71	3.2		
7	1	American Shad	58	1.7		
8	1	American Shad	44	0.8		
9	1	American Shad	64	2.2		
10	1	American Shad	55	1.4		
11	1	American Shad	48	0.9		
12	1	American Shad	60	1.9		
13	1	American Shad	67	2.4		
14	1	American Shad	67	2.5		
15	1	American Shad	63	2.2		
16	1	American Shad	56	1.4		
17	1	American Shad	47	0.8		
18	1	American Shad	61	2.1		
19	1	American Shad	61	1.9		
20	1	American Shad	57	1.6		
21	1	American Shad	68	2.8		
22	1	American Shad	66	2.5		
23	1	American Shad	56	1.7		
24	1	American Shad	46	0.8		
25	1	American Shad	66	2.4		
26	1	American Shad	67	2.6		
27	1	American Shad	67	2.5		
28	1	American Shad	54	1.3		
29	1	American Shad	42	0.6		
30	1	American Shad	57	1.5		
31	1	American Shad	70	3.1		
32	1	American Shad	65	2.4		
33	1	American Shad	58	1.6		
34	1	American Shad	66	2.9		
35	1	American Shad	54	1.1		

END TIME: July 26, 1988 22:20
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.0 hours
SAMPLE : 11678

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	67	2.7		
2	1	American Shad	61	2.2		
3	1	American Shad	60	2.2		
4	1	American Shad	66	2.8		
5	1	American Shad	59	1.8		
6	1	American Shad	62	2.3		
7	1	American Shad	52	1.4		
8	1	American Shad	61	2.4		
9	1	American Shad	57	2.0		
10	1	American Shad	60	2.0		
11	1	American Shad	60	2.0		
12	1	American Shad	60	2.0		
13	1	American Shad	55	1.6		
14	1	American Shad	65	2.6		
15	1	American Shad	51	1.3		
16	1	American Shad	63	2.3		
17	1	American Shad	57	1.8		
18	1	American Shad	55	1.5		
19	1	American Shad	49	1.1		
20	1	American Shad	50	1.0		

END TIME: July 26, 1988 22:28
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.0 hours
SAMPLE : 11679

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	56	1.6		
2	1	American Shad	60	2.0		
3	1	American Shad	66	2.9		
4	1	American Shad	50	1.1		
5	1	American Shad	45	0.7		
6	1	American Shad	56	1.5		
7	1	American Shad	66	2.5		
8	1	American Shad	48	0.9		
9	1	American Shad	70	3.2		
10	1	American Shad	61	2.1		
11	1	American Shad	60	2.0		
12	1	American Shad	47	0.8		
13	1	American Shad	65	2.6		
14	1	American Shad	64	2.4		
15	1	American Shad	66	2.9		
16	1	American Shad	66	2.3		
17	1	American Shad	54	1.4		
18	1	American Shad	62	2.1		
19	1	American Shad	60	2.1		
20	1	American Shad	54	1.3		

END TIME: July 26, 1988 21:15
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11680

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	60	1.7		
2	1	American Shad	65	3.1		
3	1	American Shad	77	4.7		
4	1	American Shad	65	2.6		
5	1	American Shad	51	1.0		
6	1	American Shad	70	3.2		
7	1	American Shad	67	2.8		
8	1	American Shad	59	1.7		
9	1	American Shad	84	2.6		
10	1	American Shad	50	1.0		
11	1	American Shad	58	1.9		
12	1	American Shad	66	2.6		
13	1	American Shad	63	2.3		
14	1	American Shad	60	2.1		
15	1	American Shad	64	2.5		
16	1	American Shad	60	2.0		
17	1	American Shad	66	2.6		
18	1	American Shad	60	2.0		
19	1	American Shad	72	3.6		
20	1	American Shad	54	1.3		
21	1	American Shad	61	1.8		
22	1	American Shad	62	2.1		
23	1	American Shad	50	0.8		
24	1	American Shad	64	2.0		
25	1	American Shad	62	2.0		
26	1	American Shad	60	1.8		
27	1	American Shad	48	0.8		
28	1	American Shad	67	2.9		
29	1	American Shad	52	1.2		
30	1	American Shad	50	0.9		
31	1	American Shad	42	0.5		
32	1	American Shad	58	1.4		
33	1	American Shad	57	1.4		
34	1	American Shad	63	2.4		
35	1	American Shad	68	3.0		
36	1	American Shad	58	1.8		
37	1	American Shad	56	1.1		
38	1	American Shad	55	1.4		
39	1	American Shad	55	1.3		
40	1	American Shad	65	2.3		
41	1	American Shad	63	2.3		
42	1	American Shad	69	2.9		
43	1	American Shad	62	2.1		
44	1	American Shad	60	1.9		
45	1	American Shad	70	3.4		
46	1	American Shad	60	2.2		
47	1	American Shad	65	2.9		
48	1	American Shad	57	1.6		
49	1	American Shad	60	2.2		
50	1	American Shad	52	1.2		
51	1	American Shad	69	2.7		
52	1	American Shad	60	2.0		
53	1	American Shad	68	2.7		
54	1	American Shad	56	1.6		
55	1	American Shad	68	3.1		
56	1	American Shad	65	2.7		
57	1	American Shad	65	2.6		
58	1	American Shad	59	1.9		
59	1	American Shad	65	2.6		
60	1	American Shad	60	1.9		
61	1	American Shad	63	2.1		
62	1	American Shad	55	1.4		
63	1	American Shad	60	1.8		

(CONTINUED)
END TIME: July 26, 1988 21:15
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11680

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
64	1	American Shad	60	1.9		
65	1	American Shad	59	1.5		
66	1	American Shad	69	3.1		
67	1	American Shad	66	2.5		
68	1	American Shad	64	2.3		
69	1	American Shad	67	2.8		
70	1	American Shad	59	1.6		
71	1	American Shad	56	1.4		
72	1	American Shad	69	3.3		
73	1	American Shad	65	2.3		
74	1	American Shad	63	2.3		
75	1	American Shad	66	2.5		
76	1	American Shad	57	1.5		
77	1	American Shad	63	2.1		
78	1	American Shad	69	2.8		
79	1	American Shad	65	2.3		
80	1	American Shad	65	2.1		
81	1	American Shad	65	2.4		
82	1	American Shad	60	1.5		
83	1	American Shad	70	3.7		
84	1	American Shad	71	3.3		
85	1	American Shad	57	1.6		
86	1	American Shad	65	2.2		
87	1	American Shad	79	3.5		
88	1	American Shad	65	2.5		
89	1	American Shad	60	1.7		

END TIME: July 27, 1988 0:02
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11681

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	70	3.4		
2	1	American Shad	63	2.3		
3	1	American Shad	67	2.6		
4	1	American Shad	70	3.1		
5	1	American Shad	62	2.4		
6	1	American Shad	62	2.2		
7	1	American Shad	61	1.9		
8	1	American Shad	60	2.3		
9	1	American Shad	58	1.7		
10	1	American Shad	58	1.8		
11	1	American Shad	57	1.7		
12	1	American Shad	62	2.5		
13	1	American Shad	54	1.5		
14	1	American Shad	55	1.5		
15	1	American Shad	53	1.3		
16	1	American Shad	50	1.1		
17	1	American Shad	48	1.0		
18	1	American Shad	52	1.4		
19	1	American Shad	51	1.2		
20	1	American Shad	47	0.9		
21	1	American Shad	48	1.0		
22	1	American Shad	53	1.3		

END TIME: July 27, 1988 0:16
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11682

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	67	2.7		
2	1	American Shad	69	3.3		
3	1	American Shad	69	3.2		
4	1	American Shad	70	3.6		
5	1	American Shad	64	2.4		
6	1	American Shad	66	2.6		
7	1	American Shad	60	2.1		
8	1	American Shad	60	2.0		
9	1	American Shad	52	1.3		

END TIME: July 27, 1988 0:22
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11683

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	72	3.7		
2	1	American Shad	66	2.6		
3	1	American Shad	65	2.5		
4	1	American Shad	70	3.4		
5	1	American Shad	64	2.4		
6	1	American Shad	74	4.0		
7	1	American Shad	60	2.1		
8	1	American Shad	70	3.2		
9	1	American Shad	65	2.7		
10	1	American Shad	61	2.2		
11	1	American Shad	71	3.4		
12	1	American Shad	65	2.5		
13	1	American Shad	69	3.1		
14	1	American Shad	65	2.8		
15	1	American Shad	63	2.0		
16	1	American Shad	64	2.5		
17	1	American Shad	61	2.0		
18	1	American Shad	62	2.0		
19	1	American Shad	61	2.2		
20	1	American Shad	53	1.3		
21	1	American Shad	55	1.5		

END TIME: August 2, 1988 15:27
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens
SAMPLE : 11688

No catch for this collection.

END TIME: August 3, 1988 12:19
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.9 hours
SAMPLE : 11689

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	104	12		

END TIME: August 10, 1988 18:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 173.7 hours
SAMPLE : 11698

No catch for this collection.

END TIME: August 10, 1988 22:05
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11699

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	77	4.5		
2	1	American Shad	77	4.3		
3	1	American Shad	83	5.4		
4	1	American Shad	67	2.9		
5	1	American Shad	78	4.4		
6	1	American Shad	74	3.8		
7	1	American Shad	70	3.3		
8	1	American Shad	64	2.5		
9	1	American Shad	69	3.0		
10	1	American Shad	76	4.2		
11	1	American Shad	72	3.5		
12	1	American Shad	76	4.0		
13	1	American Shad	68	2.9		
14	1	American Shad	71	3.5		
15	1	American Shad	60	1.9		
16	1	Blueback Herring	46	0.8		

END TIME: August 10, 1988 21:16
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11700

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	80	4.8		
2	1	American Shad	77	4.3		
3	1	American Shad	77	4.5		
4	1	American Shad	80	4.8		
5	1	American Shad	78	4.5		
6	1	American Shad	82	5.8		
7	1	American Shad	75	4.2		
8	1	American Shad	78	4.6		
9	1	American Shad	78	4.4		
10	1	American Shad	86	6.2		
11	1	American Shad	81	5.5		
12	1	American Shad	73	3.9		
13	1	American Shad	73	3.9		
14	1	American Shad	72	3.5		
15	1	American Shad	66	2.6		
16	1	American Shad	76	4.4		
17	1	American Shad	64	2.5		
18	1	American Shad	67	2.9		
19	1	American Shad	72	3.9		
20	1	American Shad	63	2.4		
21	1	American Shad	67	2.9		
22	1	American Shad	74	3.9		
23	1	American Shad	69	3.2		
24	1	American Shad	65	2.7		
25	1	American Shad	58	2.0		

END TIME: August 10, 1988 21:29
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11701

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	76	4.1		
2	1	American Shad	81	6.0		
3	1	American Shad	78	4.5		
4	1	American Shad	76	4.1		
5	1	American Shad	88	6.5		
6	1	American Shad	86	6.3		
7	1	American Shad	79	4.6		
8	1	American Shad	78	4.3		
9	1	American Shad	76	4.1		
10	1	American Shad	78	4.2		
11	1	American Shad	65	2.7		
12	1	American Shad	75	3.6		
13	1	American Shad	60	2.6		
14	1	American Shad	69	3.1		
15	1	American Shad	67	2.6		
16	1	American Shad	68	3.0		
17	1	American Shad	61	2.1		
18	1	Blueback Herring	68	2.7		
19	1	American Shad	63	2.2		

END TIME: August 10, 1988 23:00
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11702

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	79	4.5		
2	1	American Shad	75	3.6		
3	1	American Shad	75	3.7		
4	1	American Shad	75	3.6		
5	1	American Shad	56	1.6		
6	1	American Shad	65	2.2		
7	1	American Shad	79	4.4		
8	1	American Shad	77	4.0		
9	1	American Shad	77	4.2		
10	1	American Shad	72	3.3		
11	1	American Shad	70	3.3		
12	1	American Shad	46	0.9		
13	1	American Shad	82	4.6		
14	1	American Shad	74	3.6		
15	1	American Shad	69	2.9		
16	1	American Shad	71	3.1		
17	1	American Shad	58	1.9		
18	1	American Shad	54	1.5		
19	1	American Shad	70	3.0		
20	1	American Shad	50	1.3		
21	1	Spottail Shiner				

END TIME: August 10, 1988 23:29
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11703

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	78	4.6		
2	1	American Shad	57	1.8		
3	1	American Shad	60	1.9		
4	1	American Shad	75	4.0		
5	1	American Shad	81	4.6		
6	1	American Shad	80	4.8		
7	1	American Shad	54	1.4		
8	1	American Shad	79	4.6		
9	1	American Shad	80	4.9		
10	1	American Shad	71	3.4		
11	1	American Shad	75	4.0		
12	1	American Shad	75	4.2		
13	1	American Shad	79	4.8		
14	1	American Shad	79	4.5		
15	1	American Shad	78	4.5		
16	1	American Shad	74	3.8		
17	1	American Shad	67	2.8		
18	1	American Shad	60	1.9		
19	1	American Shad	60	1.9		
20	1	Spottail Shiner				
21	1	White Sucker				

END TIME: August 10, 1988 23:46
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11704

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	77	4.7		
2	1	American Shad	76	4.7		
3	1	American Shad	67	3.0		
4	1	American Shad	72	4.0		
5	1	American Shad	60	2.1		
6	1	American Shad	60	2.1		
7	1	American Shad	58	1.9		
8	1	Blueback Herring	48	0.9		
9	1	American Shad	66	2.9		
10	1	American Shad	76	4.1		
11	1	American Shad	79	4.1		
12	1	American Shad	75	4.3		
13	1	American Shad	75	4.3		
14	1	American Shad	80	4.9		
15	1	American Shad	73	4.1		
16	1	American Shad	63	2.3		
17	1	American Shad	57	1.8		
18	1	Blueback Herring	48	0.8		

END TIME: August 10, 1988 23:53
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11705

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	69	3.0		
2	1	American Shad	83	5.6		
3	1	American Shad	78	4.3		
4	1	American Shad	77	4.3		
5	1	American Shad	73	4.0		
6	1	American Shad	71	3.5		
7	1	American Shad	73	3.6		
8	1	American Shad	71	3.4		
9	1	American Shad	65	2.6		
10	1	American Shad	57	1.8		
11	1	American Shad	61	2.1		
12	1	American Shad	56	1.6		
13	1	American Shad	53	1.2		
14	1	American Shad	70	3.4		
15	1	American Shad	72	3.7		
16	1	American Shad	60	2.2		
17	1	American Shad	70	3.0		
18	1	American Shad	63	2.7		
19	1	American Shad	68	3.2		
20	1	American Shad	69	3.1		
21	1	American Shad	65	2.6		
22	1	American Shad	58	1.7		
23	1	American Shad	58	1.8		
24	1	American Shad	58	1.7		
25	1	American Shad	56	1.7		
26	1	American Shad	53	1.3		
27	1	American Shad	61	2.2		
28	1	American Shad	60	2.0		
29	1	American Shad	62	2.2		
30	1	American Shad	58	1.7		
31	1	American Shad	52	1.3		
32	1	American Shad	55	1.6		
33	1	Blueback Herring	59	1.4		

END TIME: August 11, 1988 0:21
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11706

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	73	3.6		
2	1	American Shad	75	3.8		
3	1	American Shad	73	3.5		
4	1	American Shad	81	5.4		
5	1	American Shad	72	3.8		
6	1	American Shad	71	3.3		
7	1	American Shad	83	5.6		
8	1	American Shad	83	5.4		
9	1	American Shad	80	4.8		
10	1	American Shad	77	4.4		
11	1	American Shad	63	2.1		
12	1	American Shad	67	2.8		
13	1	American Shad	72	3.5		
14	1	American Shad	65	2.2		
15	1	American Shad	78	4.5		
16	1	American Shad	72	3.6		

END TIME: August 11, 1988 0:36
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11707

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	71	3.4		
2	1	American Shad	62	2.4		
3	1	American Shad	85	5.9		
4	1	American Shad	78	4.8		
5	1	American Shad	79	4.7		
6	1	American Shad	67	3.1		
7	1	American Shad	83	5.7		
8	1	American Shad	78	4.8		
9	1	American Shad	77	4.8		
10	1	American Shad	56	1.9		
11	1	American Shad	63	2.5		
12	1	American Shad	66	2.9		
13	1	American Shad	61	2.1		
14	1	American Shad	73	3.8		
15	1	American Shad	74	4.5		
16	1	American Shad	79	4.9		
17	1	American Shad	71	3.5		
18	1	American Shad	67	3.0		
19	1	American Shad	55	1.7		
20	1	Blueback Herring	54	1.2		

END TIME: August 11, 1988 0:59
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11708

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	81	5.6		
2	1	American Shad	71	3.7		
3	1	American Shad	65	2.8		
4	1	American Shad	71	3.5		
5	1	American Shad	64	2.5		
6	1	American Shad	52	1.5		

END TIME: August 10, 1988 21:51
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11709

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	77	4.4		
2	1	American Shad	81	4.8		
3	1	American Shad	78	4.6		
4	1	American Shad	77	3.8		
5	1	American Shad	75	3.9		
6	1	American Shad	78	4.6		
7	1	American Shad	69	3.1		
8	1	American Shad	74	3.9		
9	1	American Shad	71	3.5		
10	1	American Shad	56	1.6		
11	1	American Shad	75	4.1		
12	1	American Shad	76	4.0		
13	1	American Shad	77	4.4		
14	1	American Shad	79	4.6		
15	1	American Shad	76	4.2		
16	1	American Shad	63	2.4		
17	1	American Shad	72	3.4		
18	1	Blueback Herring	60	1.8		
19	1	American Shad	62	2.3		
20	1	American Shad	57	1.6		

END TIME: August 11, 1988 12:20
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 18.3 hours
SAMPLE : 11720

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	84	6.9		
2	1	Pumpkinseed	104	22		

END TIME: August 14, 1988 18:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 78.2 hours
SAMPLE : 11721

No catch for this collection.

END TIME: August 15, 1988 13:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 19.0 hours
SAMPLE : 11722

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Lepomis sp.	43	1.2		
2	1	Lepomis sp.	37	0.8		

END TIME: August 22, 1988 15:50
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 170.3 hours
SAMPLE : 11730

No catch for this collection.

END TIME: August 23, 1988 18:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 26.2 hours
SAMPLE : 11731

No catch for this collection.

END TIME: August 25, 1988 21:08
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11780

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	83	4.9		
2	1	American Shad	83	4.8		
3	1	American Shad	77	3.9		
4	1	American Shad	75	3.7		
5	1	American Shad	80	4.3		
6	1	American Shad	79	4.5		
7	1	American Shad	74	3.5		
8	1	American Shad	82	5.0		
9	1	American Shad	80	4.4		
10	1	American Shad	65	2.4		
11	1	American Shad	72	3.1		
12	1	American Shad	84	5.0		
13	1	American Shad	88	5.9		
14	1	American Shad	82	4.8		
15	1	American Shad	73	3.4		
16	1	American Shad	77	3.8		
17	1	American Shad	71	2.8		
18	1	American Shad	80	4.2		
19	1	American Shad	81	4.4		
20	1	American Shad	73	3.2		
21	1	American Shad	87	5.0		

END TIME: August 25, 1988 21:38
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11781

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	85	5.5		
2	1	American Shad	82	5.3		
3	1	American Shad	78	4.2		
4	1	American Shad	76	4.1		
5	1	American Shad	84	4.6		
6	1	American Shad	85	5.0		
7	1	American Shad	80	4.0		
8	1	American Shad	77	3.7		
9	1	American Shad	84	5.2		
10	1	American Shad	80	4.3		
11	1	American Shad	75	3.5		
12	1	American Shad	88	5.7		
13	1	American Shad	78	3.6		
14	1	American Shad	86	5.9		
15	1	American Shad	83	4.8		
16	1	American Shad	82	4.8		
17	1	American Shad	80	4.5		
18	1	American Shad	96	8.1		
19	1	American Shad	80	4.6		
20	1	American Shad	75	3.6		
21	1	American Shad	74	3.5		
22	1	American Shad	86	5.7		

END TIME: August 25, 1988 21:47
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11782

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	87	6.2		
2	1	American Shad	77	3.9		
3	1	American Shad	74	3.5		
4	1	American Shad	75	3.5		
5	1	American Shad	85	5.3		
6	1	American Shad	83	5.0		
7	1	American Shad	75	3.7		
8	1	American Shad	85	5.1		
9	1	American Shad	80	4.7		
10	1	American Shad	79	4.2		
11	1	American Shad	84	5.6		
12	1	American Shad	75	3.8		
13	1	American Shad	87	5.5		
14	1	American Shad	94	6.6		
15	1	American Shad	69	2.7		
16	1	American Shad	70	2.9		
17	1	American Shad	90	6.0		
18	1	American Shad	83	4.8		
19	1	American Shad	68	2.8		
20	1	American Shad	78	3.8		
21	1	American Shad	72	3.4		
22	1	American Shad	71	2.9		
23	1	American Shad	75	3.6		

END TIME: August 25, 1988 21:55
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11783

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	85	5.5		
2	1	American Shad	81	4.9		
3	1	American Shad	82	4.9		
4	1	American Shad	77	4.0		
5	1	American Shad	75	3.9		
6	1	American Shad	81	5.0		
7	1	American Shad	75	3.9		
8	1	American Shad	77	4.0		
9	1	American Shad	83	5.2		
10	1	American Shad	75	3.8		
11	1	American Shad	71	3.3		
12	1	American Shad	71	3.3		
13	1	American Shad	74	3.9		
14	1	American Shad	70	3.1		
15	1	American Shad	73	3.6		
16	1	American Shad	67	3.0		
17	1	American Shad	66	2.9		
18	1	American Shad	71	3.3		
19	1	American Shad	61	2.1		

END TIME: August 25, 1988 22:24
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11784

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	70	3.3		
2	1	American Shad	85	5.7		
3	1	American Shad	71	3.4		
4	1	American Shad	78	4.7		
5	1	American Shad	82	5.2		
6	1	American Shad	84	5.4		
7	1	American Shad	83	5.4		
8	1	American Shad	86	5.8		
9	1	American Shad	79	4.9		
10	1	American Shad	74	3.8		
11	1	American Shad	77	4.3		
12	1	American Shad	68	2.8		
13	1	American Shad	66	2.6		
14	1	American Shad	67	2.7		

END TIME: August 25, 1988 22:41
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11785

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	84	5.5		
2	1	American Shad	77	4.4		
3	1	American Shad	75	3.9		
4	1	American Shad	82	5.3		
5	1	American Shad	73	4.0		
6	1	American Shad	94	7.2		
7	1	American Shad	82	5.0		
8	1	American Shad	75	3.8		
9	1	American Shad	80	4.7		
10	1	American Shad	85	5.1		
11	1	American Shad	76	4.2		
12	1	American Shad	80	5.2		
13	1	American Shad	82	5.0		
14	1	American Shad	81	4.8		
15	1	American Shad	82	5.1		
16	1	American Shad	76	3.9		
17	1	American Shad	72	3.2		
18	1	American Shad	72	3.3		
19	1	American Shad	71	3.3		
20	1	American Shad	68	2.8		
21	1	American Shad	68	2.8		
22	1	Blueback Herring	56	1.4		

END TIME: August 25, 1988 23:01
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11786

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	85	5.2		
2	1	American Shad	77	3.8		
3	1	American Shad	79	4.2		

END TIME: August 25, 1988 23:33
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11787

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	79	4.4		
2	1	American Shad	81	4.9		
3	1	American Shad	81	5.1		
4	1	American Shad	79	4.2		
5	1	American Shad	76	3.9		
6	1	American Shad	78	4.0		
7	1	American Shad	85	5.7		
8	1	American Shad	83	5.4		
9	1	American Shad	77	4.1		
10	1	American Shad	72	3.3		
11	1	American Shad	78	4.5		
12	1	Blueback Herring	63	2.1		
13	1	Blueback Herring	59	1.6		
14	1	American Shad	64	2.5		

END TIME: August 25, 1988 23:40
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11788

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	81	4.6		
2	1	American Shad	75	3.9		
3	1	American Shad	90	6.6		
4	1	American Shad	79	4.3		
5	1	American Shad	81	4.6		
6	1	American Shad	84	5.0		

END TIME: August 26, 1988 00:02
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11789

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	85	5.5		
2	1	American Shad	83	5.7		
3	1	American Shad	83	5.5		
4	1	American Shad	71	3.4		
5	1	American Shad	81	4.4		
6	1	American Shad	71	3.3		

END TIME: August 26, 1988 00:13
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11790

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	80	4.8		
2	1	American Shad	75	3.8		
3	1	American Shad	83	5.0		
4	1	American Shad	80	4.2		
5	1	American Shad	90	6.3		
6	1	American Shad	78	3.8		
7	1	American Shad	80	4.4		
8	1	American Shad	83	5.3		
9	1	American Shad	81	4.7		
10	1	Blueback Herring	283	181		

END TIME: August 29, 1988 16:50
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 142.8 hours
SAMPLE : 11795

No catch for this collection.

END TIME: August 30, 1988 10:59
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 18.1 hours
SAMPLE : 11796

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	152	87		

END TIME: September 13, 1988 21:07
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11797

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	92	6.4		
2	1	American Shad	80	4.0		
3	1	American Shad	68	3.7		
4	1	American Shad	89	5.2		
5	1	American Shad	86	4.8		
6	1	American Shad	85	4.6		
7	1	American Shad	76	3.5		
8	1	American Shad	82	4.4		
9	1	American Shad	88	5.3		
10	1	American Shad	80	3.9		
11	1	American Shad	80	4.2		
12	1	American Shad	83	4.3		
13	1	American Shad	85	5.2		
14	1	American Shad	85	5.2		
15	1	American Shad	78	3.7		
16	1	American Shad	85	5.3		
17	1	American Shad	82	4.3		
18	1	American Shad	79	3.8		
19	1	American Shad	85	4.9		
20	1	American Shad	78	3.1		
21	1	American Shad	80	5.9		
22	1	American Shad	81	4.4		
23	1	American Shad	82	4.5		
24	1	American Shad	87	5.4		
25	1	American Shad	89	5.5		
26	1	American Shad	88	5.5		
27	1	American Shad	81	4.5		
28	1	American Shad	85	4.8		
29	1	American Shad	79	3.9		

END TIME: September 13, 1988 21:33
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11798

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	88	5.4		
2	1	American Shad	80	4.1		
3	1	American Shad	75	3.3		
4	1	American Shad	92	6.2		
5	1	American Shad	84	4.6		
6	1	American Shad	87	5.5		
7	1	American Shad	86	4.8		
8	1	American Shad	91	6.4		
9	1	American Shad	88	5.3		
10	1	American Shad	84	4.4		
11	1	American Shad	84	4.8		
12	1	American Shad	82	4.3		
13	1	American Shad	90	5.8		
14	1	American Shad	88	5.4		

END TIME: September 13, 1988 21:42
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11799

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	84	4.2		
2	1	American Shad	87	5.2		
3	1	American Shad	87	5.1		
4	1	American Shad	79	4.1		
5	1	American Shad	85	5.2		
6	1	American Shad	84	5.0		
7	1	American Shad	100	8.5		
8	1	Blueback Herring	73	2.6		

END TIME: September 13, 1988 21:47
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11800

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Blueback Herring	75	3.1		
2	1	American Shad	84	5.1		
3	1	American Shad	95	6.6		
4	1	American Shad	88	5.2		
5	1	American Shad	89	5.5		
6	1	American Shad	96	8.0		
7	1	American Shad	86	5.3		
8	1	American Shad	86	5.0		
9	1	American Shad	83	5.0		
10	1	American Shad	85	5.5		
11	1	Blueback Herring	73	2.8		

END TIME: September 13, 1988 22:11
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11801

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	89	5.6		
2	1	American Shad	84	5.2		
3	1	American Shad	94	7.0		
4	1	American Shad	93	6.6		
5	1	American Shad	86	5.3		
6	1	American Shad	83	4.6		
7	1	American Shad	82	4.5		
8	1	American Shad	85	5.2		
9	1	American Shad	85	4.9		
10	1	American Shad	93	6.8		

END TIME: September 13, 1988 22:24
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11802

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	85	5.3		
2	1	American Shad	82	4.5		
3	1	American Shad	85	5.3		
4	1	American Shad	86	5.5		
5	1	American Shad	78	3.9		
6	1	American Shad	79	4.1		
7	1	American Shad	87	5.7		
8	1	American Shad	86	5.4		
9	1	American Shad	87	6.0		
10	1	American Shad	90	6.8		
11	1	American Shad	88	5.7		
12	1	American Shad	85	5.4		
13	1	American Shad	83	5.0		
14	1	American Shad	83	5.0		
15	1	American Shad	83	4.9		
16	1	American Shad	88	5.8		
17	1	American Shad	84	5.1		
18	1	American Shad	88	5.7		
19	1	American Shad	85	5.3		

END TIME: September 13, 1988 22:36
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11803

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	89	6.0		
2	1	American Shad	87	5.6		
3	1	American Shad	93	6.5		
4	1	American Shad	94	7.2		
5	1	American Shad	79	4.0		
6	1	American Shad	90	6.0		
7	1	American Shad	83	5.3		

END TIME: September 13, 1988 22:59
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11804

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	86	5.6		
2	1	American Shad	88	5.7		
3	1	American Shad	88	6.0		
4	1	American Shad	88	5.4		
5	1	American Shad	90	5.8		
6	1	American Shad	89	6.8		
7	1	American Shad	87	5.8		
8	1	American Shad	90	6.0		
9	1	American Shad	87	5.6		
10	1	American Shad	86	5.1		
11	1	American Shad	90	6.2		
12	1	American Shad	86	5.3		
13	1	American Shad	91	6.8		
14	1	American Shad	91	6.7		
15	1	American Shad	85	5.3		
16	1	American Shad	83	4.9		
17	1	American Shad	89	5.7		
18	1	American Shad	86	5.3		
19	1	American Shad	85	5.2		
20	1	American Shad	91	6.7		

END TIME: September 13, 1988 23:05
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11805

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	90	5.9		
2	1	American Shad	92	6.9		
3	1	American Shad	83	4.8		
4	1	American Shad	84	5.1		
5	1	American Shad	85	5.2		
6	1	American Shad	76	3.6		
7	1	American Shad	92	6.5		
8	1	American Shad	85	5.4		

END TIME: September 13, 1988 23:21
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11806

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	81	4.4		
2	1	American Shad	80	4.1		

END TIME: September 13, 1988 23:34
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11807

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	94	6.5		
2	1	American Shad	87	5.8		
3	1	American Shad	85	5.0		
4	1	American Shad	82	4.5		
5	1	American Shad	82	4.4		
6	1	American Shad	92	6.3		
7	1	American Shad	88	5.3		
8	1	American Shad	94	6.9		
9	1	American Shad	85	4.7		
10	1	American Shad	89	6.4		
11	1	American Shad	87	5.2		
12	1	American Shad	86	5.3		
13	1	American Shad	83	4.6		
14	1	American Shad	92	6.4		
15	1	American Shad	90	6.4		

END TIME: September 13, 1988 19:50
LOCATION: Station 2
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11808

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	212	137	1	3821
2	1	Walleye	317	275	1	
3	1	Smallmouth Bass	111	65	0	
4	1	Smallmouth Bass	114	22	0	
5	1	Smallmouth Bass	120	20	0	
6	1	Smallmouth Bass	97	15	0	
7	1	Smallmouth Bass	99	13	0	
8	1	Smallmouth Bass	90	6.0	0	
9	1	Smallmouth Bass	104	18	0	
10	1	Smallmouth Bass	122	20	0	
12	3	Fallfish		105		
13	1	Rock Bass		4.0		
14	1	White Perch		4.0		
15	3	White Sucker		870		
16	12	Spottail Shiner		84		
17	3	Mimic Shiner		7.0		
18	1	American Eel		419		
71	1	American Shad	86	4.6		
72	1	American Shad	75	3.6		
73	1	American Shad	73	3.0		
74	1	American Shad	87	5.4		
75	1	American Shad	90	6.2		

END TIME: September 14, 1988 19:38
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11816

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	402	508	2	
2	1	Smallmouth Bass	329	448	3	3822
3	1	Smallmouth Bass	208	99	2	3823
4	18	White Sucker		153		
5	2	Pumpkinseed		39		
6	2	Yellow Perch		17		
7	1	Bluegill		3.0		
8	2	Rock Bass		6.0		
9	6	Spottail Shiner		21		
10	1	Mimic Shiner		2.0		
12	2	Lepomis spp.		4.0		
13	1	Smallmouth Bass	71	5.0	0	
14	1	Smallmouth Bass	67	4.0	0	
15	1	American Eel		618		
71	1	American Shad	81	4.9		
72	1	Blueback Herring	71	2.5		

END TIME: September 14, 1988 20:40
LOCATION: Stebbin Island-Vermont Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11817

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	2	Fallfish		81		
2	1	Smallmouth Bass	190	95	1	
3	1	Smallmouth Bass	213	128	1	3824
4	1	Smallmouth Bass	110	14	0	
5	1	Smallmouth Bass	187	76	2	
6	1	Smallmouth Bass	364	689	4	3826
7	3	White Sucker		2920		
8	2	White Sucker		2230		
9	3	White Sucker		2460		
10	1	White Sucker		733		
12	8	Spottail Shiner		51		
13	43	Mimic Shiner		82		
14	1	Smallmouth Bass	100	12	0	
71	1	American Shad	91	6.0		
72	1	American Shad	85	5.7		
73	1	American Shad	83	5.5		
74	1	American Shad	88	5.8		
75	1	American Shad	88	6.2		
76	1	American Shad	85	5.3		
77	1	American Shad	106	9.6		
78	1	American Shad	81	4.7		
79	1	American Shad	87	5.9		
80	1	American Shad	85	5.4		
81	1	American Shad	87	6.1		
82	1	American Shad	83	5.7		
83	1	American Shad	84	5.4		
84	1	American Shad	82	5.3		
85	1	American Shad	85	5.8		
86	1	American Shad	83	5.3		
87	1	American Shad	87	6.3		
88	1	American Shad	83	5.6		
89	1	American Shad	82	4.9		
90	1	American Shad	87	6.7		
91	1	American Shad	86	5.9		

END TIME: September 14, 1988 21:40
LOCATION: Station 3
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11818

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	329	291	2	
2	1	Smallmouth Bass	188	84	1	
3	1	Smallmouth Bass	169	56	2	
4	2	Rock Bass		63		
5	1	Smallmouth Bass	90	7.0	0	
6	1	Smallmouth Bass	100	11		
7	1	Smallmouth Bass	111	15	0	
8	1	Smallmouth Bass	72	4.0	0	
9	1	Smallmouth Bass	91	9.0	0	
10	1	Smallmouth Bass	100	8.0	0	
11	1	Smallmouth Bass	102	10	0	
12	1	Smallmouth Bass	101	9.0	0	
13	1	Smallmouth Bass	88	8.0	0	
14	1	Smallmouth Bass	66	3.0	0	
15	1	Smallmouth Bass	92	9.0	0	
16	1	Fallfish		42		
18	8	Spottail Shiner		53		
19	3	Mimic Shiner		3.0		
71	1	American Shad	87	5.2		
72	1	American Shad	90	5.4		
73	1	American Shad	84	4.8		
74	1	American Shad	88	5.6		
75	1	American Shad	88	5.7		
76	1	American Shad	90	6.2		
77	1	American Shad	88	5.7		
78	1	American Shad	92	6.2		

END TIME: September 14, 1988 22:43
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11819

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	5	Bluegill		406		
2	4	Pumpkinseed		263		
4	1	Smallmouth Bass	95	9.0	0	
5	1	Smallmouth Bass	99	10	0	
6	1	Smallmouth Bass	76	5.0	0	
7	1	Smallmouth Bass	101	10	0	
8	1	Smallmouth Bass	84	7.0	0	
9	1	Smallmouth Bass	77	6.0	0	
10	1	Smallmouth Bass	91	9.0	0	
11	1	Smallmouth Bass	83	8.0	0	
71	1	American Shad	89	5.8		
72	1	American Shad	87	5.5		
73	1	American Shad	84	4.6		
74	1	American Shad	84	5.1		
75	1	American Shad	92	6.6		

END TIME: September 15, 1988 19:40
LOCATION: Rum Point
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11827

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	287	291	2	
2	1	Largemouth Bass	379	721	2	
3	1	Smallmouth Bass	277	237		3232
4	1	Largemouth Bass	210	104	1	
5	1	Largemouth Bass	208	113	1	
6	1	Smallmouth Bass	278	235	3	3233
7	1	Largemouth Bass	210	123	1	
8	5	Yellow Perch		246		
9	3	White Perch		1490		
10	1	Largemouth Bass	284	281	2	
11	1	Largemouth Bass	255	195	1	
12	6	Pumpkinseed		307		
13	7	Bluegill		285		
14	1	Golden Shiner		66		
15	3	Rock Bass		341		
16	1	Largemouth Bass	181	81	1	
17	1	Largemouth Bass	112	11	0	
18	1	Largemouth Bass	92	7.0	0	
19	1	Yellow Perch		23		
20	1	Largemouth Bass	105	14	0	
21	3	Lepomis spp.		3.0		
22	2	Spottail Shiner		13		
23	1	Golden Shiner		3.0		
24	1	White Perch		14		
25	1	Lepomis sp.		1.0		
26	1	Spottail Shiner		3.0		
27	1	Lepomis sp.		1.0		
28	1	White Sucker		735		
29	1	Common Carp		6000		

END TIME: September 15, 1988 20:58
LOCATION: Station 5-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11828

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	438	720	3	
2	5	Yellow Perch		459		
3	6	White Perch		2100		
4	4	Yellow Perch		117		
5	1	Pumpkinseed		71		
6	1	Yellow Bullhead		185		
7	1	Pumpkinseed		53		
8	3	Bluegill		111		
9	1	Largemouth Bass	182	66	1	
10	10	Spottail Shiner		76		
11	2	White Sucker		2620		
12	2	White Sucker		2480		
13	3	White Sucker		2670		
14	2	Common Carp		2170		
15	3	American Eel		1680		

END TIME: September 15, 1988 21:55
LOCATION: Station 5-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11829

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Chain Pickerel	370	343		
2	1	Largemouth Bass	299	322	2	
3	1	Largemouth Bass	200	102	1	
4	1	Largemouth Bass	195	92	2	
5	1	Largemouth Bass	308	401	2	
6	1	Largemouth Bass	293	340	2	
7	1	Largemouth Bass	344	543	2	
8	1	Largemouth Bass	219	137	2	
9	8	Bluegill		395		
10	1	Yellow Perch		19		
11	1	Largemouth Bass	330	490	3	
12	5	Pumpkinseed		164		
13	2	Golden Shiner		63		
14	1	Largemouth Bass	83	5.0	0	
15	1	Largemouth Bass	100	8.0	0	
16	7	White Sucker		2840		
17	2	White Sucker		1410		
18	2	Common Carp		2290		
19	2	Common Carp		2810		
20	2	Common Carp		2440		
21	2	Common Carp		2400		
22	2	Common Carp		1820		
23	2	Common Carp		2250		
24	1	White Sucker		66		

END TIME: September 15, 1988 23:00
LOCATION: New Hampshire Setback
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11830

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	388	859	3	
2	1	Largemouth Bass	332	468	2	
3	1	Largemouth Bass	338	528	2	
4	1	Largemouth Bass	323	437	2	
5	1	Largemouth Bass	411	944	3	
6	1	Largemouth Bass	366	828	3	
7	1	Largemouth Bass	276	244	2	
8	1	Largemouth Bass	490	1720	6	
9	1	Largemouth Bass	304	381	2	
10	1	Largemouth Bass	413	1220	4	
11	1	Largemouth Bass	274	266	2	
12	1	Largemouth Bass	193	88	2	
13	1	Largemouth Bass	175	72	2	
14	1	Largemouth Bass	290	335	2	
15	1	Largemouth Bass	290	292	2	
16	1	Largemouth Bass	245	171	2	
17	1	Largemouth Bass	208	112	1	
18	1	Largemouth Bass	253	212	2	
19	1	Largemouth Bass	394	782	3	
20	1	Largemouth Bass	269	227	2	
21	1	Largemouth Bass	303	337	2	
22	4	White Sucker		2040		
23	3	Common Carp		2190		
24	1	Common Carp		2420		
25	1	Brown Bullhead		224		
26	1	American Eel		734		
27	1	White Sucker		270		
28	1	Largemouth Bass	270	236	2	
29	20	Bluegill		1100		
30	11	Pumpkinseed		606		
31	3	Lepomis spp.		3.0		
32	1	Yellow Perch		30		
33	1	Common Carp		41		

END TIME: September 16, 1988 00:21
LOCATION: Station 4-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11831

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Largemouth Bass	304	373	2	
2	1	Largemouth Bass	400	782	3	
3	6	Yellow Perch		473		
4	2	White Perch		171		
5	7	Bluegill		370		
6	1	Largemouth Bass	143	30	1	
7	3	Pumpkinseed		94		
8	1	Bluegill		18		
9	2	Lepomis spp.		2.0		
10	1	Mimic Shiner		1.0		
11	1	Rock Bass		25		
12	3	Spottail Shiner		35		
13	2	Golden Shiner		108		
14	4	White Sucker		1050		
15	1	White Sucker		1780		
16	1	Golden Shiner		126		

END TIME: September 16, 1988 01:14
LOCATION: Station 4-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11832

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	9	Yellow Perch		494		
2	1	Bluegill		75		
3	1	Yellow Perch		22		
4	1	Yellow Bullhead		79		
5	3	White Sucker		1690		
6	1	Common Carp		2570		
7	1	Common Carp		1000		
8	1	Largemouth Bass	336	494	2	
9	1	Smallmouth Bass	233	145		3235

END TIME: September 19, 1988 9:00
LOCATION: Rum Point
METHOD : Trap net, 16.9 hours
SAMPLE : 11833

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	173	102		
2	1	Pumpkinseed	143	63		
3	1	Pumpkinseed	144	57		
4	1	Pumpkinseed	151	67		
5	1	Pumpkinseed	194	158		
6	1	Rock Bass	103	20		
7	1	White Perch	318	467	5	
8	1	Yellow Perch	297	280	6	
9	1	Largemouth Bass	82	20	0	
10	1	White Sucker	511	1500		
11	1	Common Carp	422	1270		
12	1	Common Carp		5230		

END TIME: September 19, 1988 10:35
LOCATION: New Hampshire Setback
METHOD : Trap net, 17.5 hours
SAMPLE : 11834

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	302	367	6	
2	1	White Perch	285	346	5	
3	1	White Perch	269	299	4	
4	1	Pumpkinseed	153	75		
5	1	Pumpkinseed	142	58		
6	1	Yellow Perch	101	212	4	
7	1	Yellow Perch	265	207	6	
8	1	Yellow Perch	303	331	6	
9	1	Yellow Perch	238	152		
10	1	Yellow Perch	235	139	4	
11	1	Yellow Perch	279	293	6	
12	1	Yellow Perch	213	99	3	
13	1	Yellow Perch	176	67	3	
14	1	Yellow Perch	222	124	4	
15	1	Yellow Perch	229	138	4	
16	1	Yellow Perch	195	88	4	
17	1	Yellow Perch	225	124	5	
18	1	Yellow Perch	164	54	3	
19	1	Yellow Perch	141	38	2	
20	1	Brown Bullhead	324	412		
21	1	Brown Bullhead	312	408		
22	1	White Sucker	379	608		
23	1	White Sucker	470	1080		
24	1	White Sucker	415	778		
25	1	White Sucker	473	1050		
26	1	White Sucker	379	602		
27	1	White Sucker	400	656		
28	1	White Sucker	405	685		
29	1	White Sucker	520	1300		
30	1	White Sucker	389	722		
31	1	White Sucker	424	802		
32	1	White Sucker	365	650		
33	1	White Sucker	528	1500		
34	1	White Sucker	422	732		
35	1	White Sucker	393	663		
36	1	White Sucker	295	472		
37	1	White Sucker	425	818		
38	1	White Sucker	371	619		
39	1	Common Carp	380	866		

END TIME: September 19, 1988 9:35
LOCATION: Station 5-Vermont
METHOD : Trap net, 17.0 hours
SAMPLE : 11835

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	307	349	4	3236
2	1	Bluegill	160	86		
3	1	Bluegill	185	136		
4	1	Bluegill	157	71		
5	1	Bluegill	175	110		
6	1	Bluegill	183	131		
7	1	Bluegill	165	101		
8	1	Bluegill	162	89		
9	1	Bluegill	142	52		
10	1	Yellow Perch	232	119	3	
11	1	Yellow Perch	216	100	4	
12	1	Rock Bass	223	203		
13	1	Pumpkinseed	191	147		

END TIME: September 19, 1988 10:10
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 17.3 hours
SAMPLE : 11836

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Bluegill	135	52		
2	1	Bluegill	122	34		
3	1	Largemouth Bass	102	10	0	
4	1	Yellow Perch	174	52	2	
5	1	Yellow Perch	155	35	3	

END TIME: September 19, 1988 12:10
LOCATION: Station 4-Vermont
METHOD : Trap net, 17.7 hours
SAMPLE : 11837

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	290	405	4	
2	1	Pumpkinseed	175	115		
3	1	Pumpkinseed	156	76		
4	1	Pumpkinseed	164	93		
5	1	Pumpkinseed	159	85		
6	1	Pumpkinseed	155	79		
7	1	Pumpkinseed	147	66		
8	1	Yellow Perch	213	115	3	
9	1	Yellow Perch	175	61	2	

END TIME: September 19, 1988 12:05
LOCATION: Station 4-Vermont
METHOD : Trap net, 17.8 hours
SAMPLE : 11838

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	178	133		
2	1	Pumpkinseed	153	78		

END TIME: September 19, 1988 11:45
LOCATION: Station 4-New Hampshire
METHOD : Trap net, 18.3 hours
SAMPLE : 11839

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp	153	62		

END TIME: September 19, 1988 11:55
LOCATION: Station 4-New Hampshire
METHOD : Trap net, 18.0 hours
SAMPLE : 11840

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	473	1060		

END TIME: September 20, 1988 8:10
LOCATION: Rum Point
METHOD : Trap net, 23.2 hours
SAMPLE : 11841

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp	915	10250		
2	1	Common Carp	512	1950		
3	1	Pumpkinseed	175	116		
4	1	Pumpkinseed	135	50		
5	1	Pumpkinseed	173	129		
6	1	Pumpkinseed	153	79		
7	1	Pumpkinseed	161	97		
8	1	Pumpkinseed	125	45		
9	1	Pumpkinseed	141	60		
10	1	Bluegill	157	86		
11	1	Bluegill	153	81		
12	1	Bluegill	121	41		
13	1	Bluegill	55	12		
14	1	Bluegill	57	12		
15	1	Yellow Perch	183	85	2	

END TIME: September 20, 1988 8:50
LOCATION: Station 5-Vermont
METHOD : Trap net, 23.3 hours
SAMPLE : 11842

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	290	262	3	3237
2	1	Yellow Perch	252	178	5	
3	1	Yellow Perch	140	37	1	
4	1	Bluegill	151	77		
5	1	Bluegill	182	145		
6	1	Bluegill	167	111		
7	1	Bluegill	120	41		
8	1	Pumpkinseed	190	165		
9	1	Pumpkinseed	129	52		

END TIME: September 20, 1988 9:20
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 23.2 hours
SAMPLE : 11843

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	165	51	2	

END TIME: September 20, 1988 9:35
LOCATION: New Hampshire Setback
METHOD : Trap net, 23.0 hours
SAMPLE : 11844

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	495	1110	4	
2	1	Yellow Perch	140	32	2	
3	1	Yellow Perch	116	20	1	
4	1	Pumpkinseed	180	143		
5	1	Pumpkinseed	189	170		
6	1	Pumpkinseed	75	129		
7	1	Pumpkinseed	189	167		
8	1	Pumpkinseed	176	114		
9	1	Pumpkinseed	161	103		
10	1	Pumpkinseed	169	115		
11	1	Pumpkinseed	165	114		
12	1	Pumpkinseed	178	127		
13	1	Pumpkinseed	175	135		
14	1	Pumpkinseed	183	140		
15	1	Pumpkinseed	140	64		
16	1	Pumpkinseed	167	107		
17	1	Pumpkinseed	129	55		
18	1	White Sucker	401	657		
19	1	White Sucker	406	771		
20	1	White Sucker	524	1440		
21	1	Brown Bullhead	324	432		
22	1	Brown Bullhead	325	436		
23	1	Common Carp	402	968		

END TIME: September 20, 1988 10:25
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 22.7 hours
SAMPLE : 11845

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	469	1010		
2	1	White Sucker	349	436		
3	1	Bluegill	170	118		
4	1	Bluegill	161	95		
5	1	Pumpkinseed	166	102		
6	1	Yellow Perch	245	157	4	

END TIME: September 20, 1988 10:35
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 22.7 hours
SAMPLE : 11846

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	283	247	4	3223
2	1	Smallmouth Bass	273	250	4	3238
3	1	Bluegill	132	62		
4	1	Bluegill	116	43		
5	1	Bluegill	145	70		
6	1	Pumpkinseed	141	62		
7	1	Yellow Perch	121	30	1	
8	1	Common Carp	422	1170		

END TIME: September 20, 1988 11:10
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 23.1 hours
SAMPLE : 11847

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	301	266	3	3239
2	1	Yellow Perch	134	36	1	
3	1	Pumpkinseed	145	70		

END TIME: September 20, 1988 11:20
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 23.2 hours
SAMPLE : 11848

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	317	358	4	3240
2	1	Smallmouth Bass	341	468	5	3183
3	1	Smallmouth Bass	288	258	3	3241
4	1	Bluegill	167	100		
5	1	Bluegill	175	111		
6	1	Bluegill	185	148		
7	1	Rock Bass	185	141		
8	1	Rock Bass	189	142		
9	1	Rock Bass	160	93		
10	1	Rock Bass	200	168		
11	1	Rock Bass	115	40		
12	1	Rock Bass	113	38		
13	1	Pumpkinseed	157	86		
14	1	Pumpkinseed	147	78		
15	1	Pumpkinseed	168	107		
16	1	Yellow Perch	168	58	2	
17	1	Yellow Perch	192	81	2	
18	1	Yellow Perch	195	92	2	
19	1	Yellow Perch	285	268	3	
20	1	Yellow Perch	250	167	3	
21	1	Yellow Perch	246	178	3	
22	1	Yellow Perch	241	167	4	
23	1	Yellow Perch	182	67	3	
24	1	Yellow Perch	222	117	3	
25	1	Yellow Perch	210	106	3	
26	1	Yellow Perch	209	97	3	
27	1	Yellow Perch	215	108	3	
28	1	Yellow Perch	209	98	3	
29	1	Yellow Perch	180	64	2	

END TIME: September 21, 1988 9:05
LOCATION: Station 2
METHOD : Trap net, 18.6 hours
SAMPLE : 11849

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	249	213	3	3830
2	1	Smallmouth Bass	140	31	0	
3	1	Bluegill	178	131		
4	1	Rock Bass	221	218		

END TIME: September 21, 1988 9:20
LOCATION: Station 2
METHOD : Trap net, 18.4 hours
SAMPLE : 11850

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	353	495		3831
2	1	Smallmouth Bass	124	22	1	
3	1	White Perch	264	293	3	
4	1	White Perch	270	286	3	
5	1	White Perch	283	352	3	

END TIME: September 21, 1988 10:55
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 20.3 hours
SAMPLE : 11851

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	195	94	1	
2	1	Smallmouth Bass	157	43	0	
3	1	White Sucker	104	12		
4	1	Pumpkinseed	95	16		
5	1	Spottail Shiner	110	11		
6	1	Golden Shiner	99	9.0		

END TIME: September 21, 1988 10:05
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 18.8 hours
SAMPLE : 11852

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	302	206	1	
2	1	Walleye	315	244	1	
3	1	Bluegill	185	171		
4	1	Bluegill	231	329		
5	1	Bluegill	167	92		
6	1	Bluegill	237	312		
7	1	Bluegill	155	89		
8	1	Pumpkinseed	120	46		
9	1	Bluegill	176	128		
10	1	Rock Bass	256	227		
11	1	Rock Bass	55	24		
12	1	Yellow Perch	169	73	1	
13	1	Yellow Perch	85	26	0	
14	1	Bluegill	55	4.0		
15	1	Golden Shiner	116	11		
16	1	Spottail Shiner	115	9.0		
17	1	Spottail Shiner	109	11		
18	1	Spottail Shiner	111	10		
19	1	Spottail Shiner	113	11		
20	1	Spottail Shiner	107	10		
21	1	Spottail Shiner	107	10		
22	1	Spottail Shiner	114	12		

END TIME: September 21, 1988 11:15
LOCATION: Station 3
METHOD : Trap net, 19.4 hours
SAMPLE : 11853

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Bluegill	238	385		
2	1	Bluegill	226	267		
3	1	White Sucker	434	849		

END TIME: September 21, 1988 11:40
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 19.6 hours
SAMPLE : 11854

No catch for this collection.

END TIME: September 22, 1988 9:00
LOCATION: Station 2
METHOD : Trap net, 23.9 hours
SAMPLE : 11855

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	415	971	7	3832
2	1	Rock Bass	227	245		
3	1	Rock Bass	114	30		
4	1	Rock Bass	240	299		
5	1	Rock Bass	52	3.0		
6	1	Rock Bass	61	6.0		
7	1	Rock Bass	62	6.0		
8	1	Brown Bullhead	328	471		

END TIME: September 22, 1988 9:10
LOCATION: Station 2
METHOD : Trap net, 23.8 hours
SAMPLE : 11856

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	394	640		

END TIME: September 22, 1988 10:15
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 23.3 hours
SAMPLE : 11857

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	335	498	4	3833
2	1	Smallmouth Bass	321	438	3	3834
3	1	Smallmouth Bass	204	115	1	3835
4	1	Smallmouth Bass	174	73	1	
5	1	Rock Bass	271	411		
6	1	Rock Bass	230	250		
7	1	Rock Bass	227	235		
8	1	Rock Bass	239	274		
9	1	Rock Bass	242	300		
10	1	Rock Bass	182	128		
11	1	Rock Bass	252	333		
12	1	Rock Bass	165	99		
13	1	Rock Bass	284	471		
14	1	Rock Bass	198	169		
15	1	Rock Bass	201	180		
16	1	Rock Bass	215	211		
17	1	Rock Bass	175	112		
18	1	Rock Bass	72	10		
19	1	Rock Bass	59	7.0		
20	1	Bluegill	183	151		
21	1	Lepomis sp.	67	10		
22	1	Pumpkinseed	126	47		
23	1	Lepomis sp.	58	6.0		
24	1	Yellow Perch	212	113	4	

END TIME: September 22, 1988 10:00
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 23.9 hours
SAMPLE : 11858

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	233	280		
2	1	Pumpkinseed	145	69		
3	1	Pumpkinseed	162	102		
4	1	Spottail Shiner	110	13		
5	1	Spottail Shiner	105	12		
6	1	American Shad	97	9.0		
71	1	American Shad	94	7.4		

END TIME: September 22, 1988 11:30
LOCATION: Station 3
METHOD : Trap net, 24.3 hours
SAMPLE : 11859

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	323	407	5	3836
2	1	Smallmouth Bass	267	226	3	3837
3	1	Bluegill	176	123		

END TIME: September 22, 1988 12:00
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 24.3 hours
SAMPLE : 11860

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Bluegill	194	132		
2	1	Bluegill	216	223		
3	1	Bluegill	185	158		
4	1	Bluegill	212	196		
5	1	Bluegill	199	176		
6	1	Bluegill	62	4.0		
7	1	Rock Bass	143	55		
8	1	Rock Bass	125	37		
9	1	White Sucker	407	556		
10	1	Pumpkinseed	182	125		
11	1	Pumpkinseed	183	148		
12	1	Pumpkinseed	183	128		
13	1	Pumpkinseed	181	127		
14	1	Pumpkinseed	150	67		
15	1	Pumpkinseed	163	90		
16	1	Pumpkinseed	169	101		
17	1	Pumpkinseed	154	73		
18	1	Pumpkinseed	150	66		
19	1	Pumpkinseed	132	41		
20	1	Pumpkinseed	139	49		
21	1	Pumpkinseed	140	53		
22	1	Pumpkinseed	117	32		

END TIME: September 19, 1988 15:05
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 484.1 hours
SAMPLE : 11861

No catch for this collection.

END TIME: September 20, 1988 17:20
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 26.3 hours
SAMPLE : 11862

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	148	71		
2	1	Bluegill	162	98		
3	1	Rock Bass	102	20		
4	1	Rock Bass	51	2.2		
5	1	Rock Bass	55	3.3		
6	1	Rock Bass	50	2.3		
7	1	Rock Bass	55	3.0		
8	1	Rock Bass	48	2.1		
9	1	Rock Bass	47	2.0		
10	1	Rock Bass	55	2.7		
11	1	Rock Bass	56	3.0		
12	1	Rock Bass	38	1.3		
13	1	Rock Bass	46	1.9		
14	1	Rock Bass	48	2.0		
15	1	Rock Bass	53	2.8		
16	1	Rock Bass	50	2.0		
17	1	Lepomis sp.	48	1.5		
18	1	Lepomis sp.	42	1.2		
19	1	Lepomis sp.	46	1.5		
20	1	Lepomis sp.	41	1.1		
21	1	Lepomis sp.	31	0.4		
22	1	Brown Bullhead	99	10		

END TIME: September 29, 1988 19:42
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11863

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Blueback Herring	85	5.3		
2	1	American Shad	91	6.8		
3	1	American Shad	93	6.7		
4	1	American Shad	92	7.2		
5	1	American Shad	94	7.2		
6	1	American Shad	99	8.3		
7	1	American Shad	91	6.8		
8	1	American Shad	95	7.9		
9	1	American Shad	99	8.9		
10	1	American Shad	96	7.8		
11	1	American Shad	92	7.2		
71	1	Blueback Herring	88	6.1		

END TIME: September 29, 1988 19:52
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11864

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	91	7.0		
2	1	American Shad	90	6.2		
3	1	American Shad	86	5.9		
4	1	American Shad	85	7.0		
5	1	American Shad	91	6.6		
6	1	American Shad	93	7.1		
7	1	American Shad	89	6.1		
8	1	American Shad	100	8.3		
9	1	American Shad	90	6.2		
10	1	American Shad	96	7.7		
11	1	American Shad	100	8.5		
12	1	American Shad	92	6.4		
13	1	American Shad	88	6.3		
14	1	American Shad	88	6.0		
15	1	American Shad	94	7.4		
16	1	American Shad	92	6.8		
17	1	American Shad	91	7.1		
18	1	American Shad	94	7.6		
19	1	American Shad	95	7.0		
20	1	American Shad	103	9.1		
21	1	American Shad	90	6.0		
22	1	American Shad	91	6.3		

END TIME: September 29, 1988 20:02
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11865

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	91	6.6		
2	1	American Shad	98	9.1		
3	1	American Shad	88	5.8		
4	1	American Shad	96	7.9		
5	1	American Shad	94	7.2		
6	1	American Shad	91	6.4		
7	1	American Shad	100	9.3		
8	1	American Shad	97	7.8		
9	1	American Shad	93	7.7		
10	1	American Shad	91	6.8		
11	1	Blueback Herring	80	4.7		
12	1	American Shad	94	7.5		
13	1	American Shad	94	7.7		
14	1	American Shad	92	7.2		
15	1	American Shad	91	7.0		
16	1	American Shad	100	9.4		
17	1	American Shad	98	8.5		
18	1	American Shad	97	7.8		
19	1	Smallmouth Bass	77	6.2		

END TIME: September 29, 1988 20:33
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11866

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	90	6.1		
2	1	American Shad	102	9.0		
3	1	American Shad	85	5.3		
4	1	American Shad	90	6.0		
5	1	American Shad	87	5.4		
6	1	American Shad	96	7.4		
7	1	American Shad	91	6.3		
8	1	American Shad	93	7.2		
9	1	American Shad	88	5.9		
10	1	American Shad	88	6.1		
11	1	American Shad	93	7.1		
12	1	American Shad	93	6.8		

END TIME: September 29, 1988 21:04
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11867

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	96	7.9		
2	1	American Shad	95	7.6		
3	1	American Shad	90	6.1		
4	1	American Shad	90	6.2		
5	1	American Shad	82	5.5		
6	1	American Shad	92	6.9		
7	1	American Shad	96	7.2		
8	1	American Shad	93	7.6		
9	1	American Shad	91	6.4		
10	1	American Shad	92	6.9		

END TIME: September 29, 1988 20:59
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11868

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	95	7.6		
2	1	American Shad	94	6.1		
3	1	American Shad	93	7.3		
4	1	American Shad	95	6.8		
5	1	American Shad	95	7.6		
6	1	American Shad	93	6.7		
7	1	American Shad	90	6.3		
8	1	American Shad	89	5.8		
9	1	American Shad	95	7.6		
10	1	American Shad	90	6.1		
11	1	American Shad	99	8.1		
12	1	American Shad	91	6.2		
13	1	American Shad	102	9.2		
14	1	American Shad	92	6.4		
15	1	American Shad	87	6.0		
16	1	American Shad	94	7.8		
17	1	American Shad	92	7.3		
18	1	American Shad	86	5.6		
19	1	American Shad	92	6.7		
20	1	American Shad	89	6.3		
21	1	American Shad	90	6.2		
22	1	American Shad	92	7.1		

END TIME: September 29, 1988 20:53
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11869

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	100	8.8		
2	1	American Shad	100	9.1		
3	1	American Shad	93	7.3		
4	1	American Shad	99	8.9		
5	1	American Shad	94	7.1		
6	1	American Shad	91	6.8		
7	1	American Shad	89	6.2		
8	1	American Shad	90	6.9		
9	1	American Shad	91	7.1		
10	1	American Shad	95	7.6		
11	1	American Shad	92	6.8		

END TIME: September 29, 1988 21:32
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11870

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	97	8.1		
2	1	American Shad	97	7.3		
3	1	American Shad	97	7.4		
4	1	American Shad	98	8.8		
5	1	American Shad	94	7.2		
6	1	American Shad	95	7.3		
7	1	American Shad	98	8.4		
8	1	American Shad	94	6.8		
9	1	American Shad	98	7.8		
10	1	American Shad	97	7.8		
11	1	American Shad	96	7.8		
12	1	American Shad	96	7.8		
13	1	American Shad	97	8.3		
14	1	American Shad	99	8.3		
15	1	American Shad	91	6.6		
16	1	American Shad	92	6.6		
17	1	American Shad	92	6.8		
18	1	American Shad	96	7.1		
19	1	American Shad	96	7.2		
20	1	American Shad	98	7.6		
21	1	American Shad	95	7.6		
22	1	American Shad	97	7.6		
23	1	American Shad	92	6.7		
24	1	American Shad	94	6.9		
25	1	American Shad	95	7.6		
26	1	American Shad	98	8.2		
27	1	American Shad	93	7.1		
28	1	American Shad	91	6.6		
29	1	American Shad	90	6.2		
30	1	American Shad	94	7.0		
31	1	American Shad	97	8.0		
32	1	American Shad	97	8.1		
33	1	American Shad	94	7.1		
34	1	American Shad	94	7.2		
35	1	American Shad	101	8.9		
36	1	American Shad	91	6.2		
37	1	American Shad	92	8.0		
38	1	American Shad	97	7.8		
39	1	American Shad	99	8.6		
40	1	American Shad	102	8.7		
41	1	American Shad	94	7.7		
42	1	American Shad	93	7.0		
43	1	American Shad	95	7.0		
44	1	American Shad	91	6.5		
45	1	American Shad	92	6.3		
46	1	American Shad	94	7.1		
47	1	American Shad	91	6.8		
48	1	American Shad	96	7.5		
49	1	American Shad	91	6.6		
50	1	American Shad	94	7.1		
51	1	American Shad	94	7.0		
52	1	Spottail Shiner				
53	1	Spottail Shiner				

END TIME: September 29, 1988 21:36
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11871

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	97	7.7		
2	1	American Shad	96	7.7		
3	1	American Shad	97	8.2		
4	1	American Shad	93	7.4		
5	1	American Shad	93	6.7		
6	1	American Shad	93	7.0		
7	1	American Shad	91	6.7		
8	1	American Shad	94	7.0		
9	1	American Shad	95	7.1		
10	1	American Shad	93	6.5		
11	1	American Shad	96	7.6		

END TIME: September 29, 1988 21:48
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11872

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	95	7.3		
2	1	American Shad	97	8.0		
3	1	American Shad	96	7.2		
4	1	American Shad	93	6.7		

END TIME: September 29, 1988 21:57
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11873

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	93	6.7		
2	1	American Shad	91	6.7		
3	1	American Shad	102	9.5		
4	1	American Shad	93	6.7		
5	1	American Shad	99	8.2		
6	1	American Shad	99	8.4		
7	1	American Shad	94	7.3		
8	1	American Shad	97	7.6		
9	1	American Shad	97	7.8		
10	1	American Shad	96	8.0		
11	1	American Shad	93	7.3		
12	1	American Shad	99	9.0		
13	1	American Shad	92	6.7		
14	1	American Shad	97	7.4		
15	1	American Shad	86	5.2		

END TIME: September 26, 1988 18:30
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 145.2 hours
SAMPLE : 11874

No catch for this collection.

END TIME: September 27, 1988 13:25
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 18.9 hours
SAMPLE : 11875

No catch for this collection.

END TIME: October 7, 1988 18:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 244.6 hours
SAMPLE : 11876

No catch for this collection.

END TIME: October 7, 1988 21:15
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11877

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	90	5.4		
2	1	American Shad	90	5.7		
3	1	American Shad	90	6.0		
4	1	American Shad	90	5.6		
5	1	American Shad	93	6.1		
6	1	American Shad	91	5.7		
7	1	American Shad	91	5.9		
8	1	American Shad	95	7.3		
9	1	American Shad	95	6.7		
10	1	American Shad	91	5.7		
11	1	American Shad	94	6.4		
12	1	American Shad	88	5.5		
13	1	American Shad	86	4.7		
14	1	American Shad	91	6.0		
15	1	American Shad	98	7.3		
16	1	American Shad	90	6.2		
17	1	American Shad	97	7.2		
18	1	American Shad	94	6.9		
19	1	American Shad	92	6.4		
20	1	American Shad	90	5.6		
21	1	American Shad	92	6.3		
22	1	American Shad	79	5.5		

END TIME: October 7, 1988 21:38
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11878

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	90	6.3		
2	1	American Shad	85	6.7		
3	1	American Shad	97	7.6		
4	1	American Shad	95	7.8		
5	1	American Shad	93	6.8		

END TIME: October 7, 1988 21:46
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11879

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	98	7.0		
2	1	American Shad	95	6.6		
3	1	American Shad	95	6.4		
4	1	American Shad	93	5.9		
5	1	American Shad	99	7.3		
6	1	American Shad	87	5.7		

END TIME: October 7, 1988 21:55
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11880

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	96	7.7		
2	1	American Shad	90	6.1		
3	1	American Shad	100	8.7		
4	1	American Shad	93	6.6		
5	1	American Shad	95	7.1		
6	1	American Shad	100	8.8		
7	1	American Shad	96	7.0		
8	1	American Shad	95	7.1		
9	1	American Shad	100	8.1		
10	1	American Shad	92	7.4		

END TIME: October 7, 1988 20:33
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11881

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	93	6.4		
2	1	American Shad	95	7.3		
3	1	American Shad	103	8.6		
4	1	American Shad	102	8.6		
5	1	American Shad	100	8.2		
6	1	American Shad	95	7.0		
7	1	American Shad	97	7.6		
8	1	American Shad	101	8.2		
9	1	American Shad	95	6.7		

END TIME: October 7, 1988 20:24
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11882

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	106	9.7		
2	1	American Shad	97	7.5		
3	1	American Shad	88	6.2		
4	1	American Shad	98	7.4		
5	1	American Shad	96	7.1		
6	1	American Shad	105	10		
7	1	American Shad	93	7.1		
8	1	American Shad	100	9.1		
9	1	American Shad	93	6.7		
10	1	American Shad	101	8.2		
11	1	American Shad	95	7.1		
12	1	American Shad	99	7.6		
13	1	American Shad	97	7.6		
14	1	American Shad	98	7.8		
15	1	American Shad	98	7.3		
16	1	American Shad	97	7.7		
17	1	American Shad	99	8.1		
18	1	American Shad	92	6.5		
19	1	American Shad	99	8.1		

END TIME: October 7, 1988 20:07
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11883

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	102	8.2		
2	1	American Shad	103	8.7		
3	1	American Shad	105	9.5		
4	1	American Shad	104	9.0		
5	1	American Shad	105	9.4		
6	1	American Shad	102	8.5		
7	1	American Shad	96	7.2		
8	1	American Shad	99	7.7		
9	1	American Shad	100	8.5		
10	1	American Shad	98	7.2		
11	1	Spottail Shiner				

END TIME: October 7, 1988 19:53
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11884

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	103	8.4		
2	1	American Shad	98	6.9		
3	1	American Shad	98	7.1		
4	1	American Shad	102	8.6		
5	1	American Shad	99	7.7		
6	1	American Shad	100	7.8		
7	1	American Shad	101	8.3		
8	1	American Shad	98	7.1		
9	1	American Shad	105	8.7		
10	1	American Shad	94	6.6		
11	1	American Shad	95	6.8		
12	1	American Shad	105	9.2		
13	1	American Shad	100	7.8		
14	1	American Shad	95	6.7		
15	1	American Shad	95	6.7		
16	1	American Shad	105	9.2		
17	1	American Shad	103	8.4		
18	1	American Shad	99	7.2		
19	1	American Shad	97	7.1		

END TIME: October 7, 1988 19:45
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11885

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	101	8.1		
2	1	American Shad	94	6.8		
3	1	American Shad	96	7.0		
4	1	American Shad	104	9.2		
5	1	American Shad	95	6.8		

END TIME: October 7, 1988 19:17
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11886

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	96	7.3		
2	1	American Shad	103	7.9		

END TIME: October 7, 1988 19:28
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11887

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	97	7.4		
2	1	American Shad	102	8.0		
3	1	American Shad	96	6.9		
4	1	American Shad	99	7.6		
5	1	American Shad	92	6.5		
6	1	American Shad	99	8.5		
7	1	American Shad	101	8.4		
8	1	American Shad	96	7.2		
9	1	Blueback Herring	95	6.5		

END TIME: October 8, 1988 10:20
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 16.3 hours
SAMPLE : 11888

No catch for this collection.

END TIME: October 10, 1988 17:21
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 55.0 hours
SAMPLE : 11889

No catch for this collection.

END TIME: October 11, 1988 15:45
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 22.4 hours
SAMPLE : 11890

No catch for this collection.

END TIME: October 13, 1988 19:10
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11954

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	101	8.6		
2	1	American Shad	89	6.2		
3	1	American Shad	98	7.4		
4	1	American Shad	97	7.8		
5	1	American Shad	97	8.0		
6	1	American Shad	93	7.6		
7	1	American Shad	92	7.1		
8	1	American Shad	93	6.6		
9	1	American Shad	95	7.4		
10	1	American Shad	95	8.2		
11	1	American Shad	94	7.0		
12	1	American Shad	95	7.7		
13	1	American Shad	95	7.6		
14	1	American Shad	98	8.5		
15	1	American Shad	95	7.6		
16	1	American Shad	93	7.1		
17	1	American Shad	97	7.8		
18	1	American Shad	97	8.0		
19	1	American Shad	98	7.7		
20	1	American Shad	97	8.0		
21	1	American Shad	96	8.1		
22	1	American Shad	90	6.2		
23	1	American Shad	95	6.8		
24	1	American Shad	101	10		
25	1	American Shad	92	7.1		
26	1	American Shad	91	6.6		
27	1	American Shad	103	9.7		
28	1	American Shad	94	7.4		
29	1	American Shad	102	9.0		
30	1	American Shad	93	7.2		
31	1	American Shad	92	6.9		
32	1	American Shad	95	7.6		
33	1	American Shad	94	7.4		

END TIME: October 13, 1988 19:43
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11955

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	95	8.6		
2	1	American Shad	95	8.1		
3	1	American Shad	99	8.2		
4	1	American Shad	102	9.3		
5	1	American Shad	95	7.8		

END TIME: October 13, 1988 19:48
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11956

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	102	9.2		
2	1	American Shad	94	7.4		
3	1	American Shad	102	9.6		
4	1	American Shad	100	9.3		
5	1	American Shad	97	7.9		

END TIME: October 13, 1988 19:54
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11957

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	101	8.4		
2	1	American Shad	97	7.4		
3	1	American Shad	99	8.0		
4	1	American Shad	94	7.0		
5	1	American Shad	106	9.6		
6	1	American Shad	95	7.6		

END TIME: October 13, 1988 20:11
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11958

No catch for this collection.

END TIME: October 13, 1988 20:25
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11959

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	94	6.9		
2	1	American Shad	114	13		
3	1	American Shad	107	10		
4	1	American Shad	100	8.7		
5	1	American Shad	99	8.7		
6	1	American Shad	102	9.2		
7	1	American Shad	93	7.3		

END TIME: October 13, 1988 20:36
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11960

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	104	10		
2	1	American Shad	100	8.2		
3	1	American Shad	95	7.9		
4	1	American Shad	101	9.7		
5	1	American Shad	98	7.9		
6	1	American Shad	96	8.7		
7	1	American Shad	103	10		
8	1	American Shad	95	7.8		

END TIME: October 13, 1988 20:54
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11961

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	105	11		
2	1	American Shad	99	9.3		
3	1	American Shad	98	8.3		
4	1	American Shad	101	9.0		
5	1	American Shad	99	8.3		
6	1	American Shad	98	8.8		
7	1	American Shad	102	9.3		

END TIME: October 13, 1988 20:59
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11962

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	98	8.8		
2	1	American Shad	103	9.5		
3	1	American Shad	102	9.2		
4	1	American Shad	95	8.1		
5	1	American Shad	104	9.8		
6	1	American Shad	97	8.1		
7	1	American Shad	101	8.6		
8	1	American Shad	96	7.9		
9	1	American Shad	100	9.0		
10	1	American Shad	102	9.1		
11	1	American Shad	103	9.5		
12	1	American Shad	100	8.5		
13	1	American Shad	102	8.4		
14	1	American Shad	101	8.7		
15	1	American Shad	103	9.1		
16	1	American Shad	101	8.9		
17	1	American Shad	92	6.6		
18	1	American Shad	107	10		
19	1	American Shad	106	9.7		
20	1	American Shad	100	8.4		
21	1	American Shad	106	10		
22	1	American Shad	104	9.3		
23	1	American Shad	102	8.4		

END TIME: October 13, 1988 21:17
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 11963

No catch for this collection.

END TIME: October 13, 1988 21:26
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11964

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	97	7.7		
2	1	American Shad	105	9.4		
3	1	American Shad	102	8.3		
4	1	American Shad	99	8.5		
5	1	American Shad	98	8.3		
6	1	American Shad	102	8.8		

END TIME: October 18, 1988 11:10
LOCATION: Rum Point
METHOD : Trap net, 21.3 hours
SAMPLE : 11973

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	220	106	4	
2	1	Yellow Perch	142	31	2	
3	1	Rock Bass	104	21		
4	1	Lepomis sp.	50	3.0		

END TIME: October 18, 1988 11:25
LOCATION: Station 5-Vermont
METHOD : Trap net, 21.3 hours
SAMPLE : 11974

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	136	53		
2	1	Rock Bass	146	58		

END TIME: October 18, 1988 11:35
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 21.2 hours
SAMPLE : 11975

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	182	65	2	

END TIME: October 18, 1988 11:50
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.2 hours
SAMPLE : 11976

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	447	721	3	
2	1	Pumpkinseed	167	100		
3	1	Pumpkinseed	153	72		
4	1	Pumpkinseed	155	73		
5	1	Bluegill	153	68		
6	1	Bluegill	183	115		
7	1	Yellow Perch	235	171	4	
8	1	Yellow Perch	232	133	3	
9	1	Yellow Perch	218	101	5	
10	1	Yellow Perch	197	71	3	
11	1	Yellow Perch	213	85	3	
12	1	Yellow Perch	173	48	3	
13	1	Yellow Perch	167	43	3	
14	1	Yellow Perch	242	140	4	
15	1	Yellow Perch	260	168	4	
16	1	Yellow Perch	270	206		
17	1	Yellow Perch	224	118	3	
18	1	Yellow Perch	264	212		
19	1	Yellow Perch	242	143	4	
20	1	Yellow Perch	199	73	3	
21	1	Yellow Perch	221	108	3	
22	1	Yellow Perch	219	98	3	
23	1	Yellow Perch	204	85	4	
24	1	Yellow Perch	204	79		
25	1	Yellow Perch	192	66	3	
26	1	Yellow Perch	210	98	3	
27	1	Yellow Perch	204	98	3	
28	1	Yellow Perch	208	82	4	
29	1	Yellow Perch	180	57	3	
30	1	Yellow Perch	195	72	4	
31	1	Yellow Perch	187	70	3	
32	1	Yellow Perch	148	37	3	
33	1	White Perch	280	350	6	
34	1	White Sucker	374	571		
35	1	White Sucker	317	335		
36	1	White Sucker	442	862		
37	1	White Sucker	408	651		
38	1	White Sucker	514	1390		
39	1	Common Carp	422	1100		

END TIME: October 18, 1988 13:20
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 22.5 hours
SAMPLE : 11977

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	239	136	3	
2	1	Yellow Perch	208	81	3	
3	1	Yellow Perch	192	61	2	
4	1	Yellow Perch	197	70	3	
5	1	Yellow Perch	199	74	3	
6	1	Yellow Perch	176	49	2	
7	1	Yellow Perch	170	45	3	
8	1	Yellow Perch	150	26	1	
9	1	Yellow Perch	168	39	2	
10	1	Yellow Perch	131	22	2	
11	1	Yellow Perch	146	26	2	
12	1	Yellow Perch	130	20	2	
13	1	Yellow Perch	127	18	1	
14	1	Yellow Perch	147	27	2	
15	1	Yellow Perch	133	19	1	
16	1	Yellow Perch	127	17	1	
17	1	Yellow Perch	132	20	1	
18	1	Yellow Perch	120	17	2	
19	1	Yellow Perch	154	29	1	
20	1	Yellow Perch	123	15	2	
21	1	Chain Pickerel	202	47		
22	1	Bluegill	178	120		
23	1	Bluegill	184	121		

END TIME: October 18, 1988 13:30
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 22.5 hours
SAMPLE : 11978

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Golden Shiner	220	135		
2	1	White Perch	225	143	3	
3	1	Pumpkinseed	121	30		
4	1	Yellow Perch	140	30	1	

END TIME: October 18, 1988 13:45
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 22.5 hours
SAMPLE : 11979

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	270	244	4	
2	1	Yellow Perch	240	151	3	
3	1	Yellow Perch	222	112	3	
4	1	Yellow Perch	193	76	3	
5	1	Yellow Perch	179	58	2	
6	1	Yellow Perch	160	39	2	
7	1	Yellow Perch	162	44	1	
8	1	Yellow Perch	135	27	1	
9	1	Yellow Perch	153	32	1	
10	1	Yellow Perch	141	30	1	
11	1	Yellow Perch	145	33	1	
12	1	Rock Bass	207	185		
13	1	Rock Bass	166	99		
14	1	Rock Bass	183	129		
15	1	Rock Bass	149	63		
16	1	Rock Bass	155	69		
17	1	Rock Bass	122	32		

END TIME: October 18, 1988 13:55
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 22.4 hours
SAMPLE : 11980

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	208	97	3	
2	1	Yellow Perch	205	81	3	
3	1	Yellow Perch	211	89	3	
4	1	Yellow Perch	200	80	2	
5	1	Yellow Perch	155	38	2	
6	1	Yellow Perch	139	28	1	
7	1	Yellow Perch	145	31	1	
8	1	Yellow Perch	177	52	2	
9	1	Yellow Perch	125	17	1	
10	1	White Perch	325	562	5	
11	1	White Perch	263	263	6	
12	1	White Perch	253	246	2	
13	1	Rock Bass	218	190		
14	1	Rock Bass	190	140		
15	1	Rock Bass	165	88		
16	1	Bluegill	195	177		
17	1	Pumpkinseed	166	90		
18	1	Pumpkinseed	99	18		

END TIME: October 19, 1988 8:40
LOCATION: Rum Point
METHOD : Trap net, 21.5 hours
SAMPLE : 11981

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	200	74	2	
2	1	Yellow Perch	187	74	3	
3	1	Yellow Perch	164	43	2	
4	1	Rock Bass	78	7.0		
5	1	Lepomis sp.	50	1.0		

END TIME: October 19, 1988 8:55
LOCATION: Station 5-Vermont
METHOD : Trap net, 21.5 hours
SAMPLE : 11982

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	305	320	3	3236
2	1	Smallmouth Bass	200	103	1	3243
3	1	White Sucker	488	1220		
4	1	Bluegill	206	199		
5	1	Rock Bass	203	170		
6	1	Rock Bass	216	195		
7	1	Rock Bass	144	56		

END TIME: October 19, 1988 9:10
LOCATION: Station 5-New Hampshire
METHOD : Trap net, 21.6 hours
SAMPLE : 11983

No catch for this collection.

END TIME: October 19, 1988 9:35
LOCATION: New Hampshire Setback
METHOD : Trap net, 21.8 hours
SAMPLE : 11984

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Yellow Perch	189	61	4	
2	1	Yellow Perch	255	185	5	
3	1	Yellow Perch	183	65	4	
4	1	Yellow Perch	171	44	4	
5	1	Yellow Perch	162	41	3	
6	1	Yellow Perch	176	48	3	
7	1	Yellow Perch	172	46	4	
8	1	Yellow Perch	176	54	3	
9	1	Yellow Perch	205	91	3	
10	1	Pumpkinseed	139	57		
11	1	Pumpkinseed	143	60		
12	1	Pumpkinseed	158	81		
13	1	Pumpkinseed	174	111		
14	1	Pumpkinseed	176	110		
15	1	Pumpkinseed	144	57		
16	1	Pumpkinseed	103	18		
17	1	Pumpkinseed	155	78		
18	1	Pumpkinseed	136	50		
19	1	Pumpkinseed	156	72		
20	1	Pumpkinseed	178	120		
21	1	Pumpkinseed	157	74		
22	1	Pumpkinseed	176	117		
23	1	Yellow Perch	198	83	3	
24	1	Bluegill	159	74		
25	1	Bluegill	140	55		
26	1	Pumpkinseed	179	125		

END TIME: October 19, 1988 10:50
LOCATION: Station 4-New Hampshire-North
METHOD : Trap net, 21.5 hours
SAMPLE : 11985

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	109	25	0	
2	1	White Perch	275	348	3	
3	1	White Perch	283	357	3	
4	1	Largemouth Bass	96	10	0	
5	1	Largemouth Bass	107	12	0	
6	1	Pumpkinseed	123	33		
7	1	Golden Shiner	138	22		
8	1	Yellow Perch	132	20	2	

END TIME: October 19, 1988 11:10
LOCATION: Station 4-New Hampshire-South
METHOD : Trap net, 21.7 hours
SAMPLE : 11986

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	122	29		
2	1	Yellow Perch	185	62	3	
3	1	Yellow Perch	178	50	3	
4	1	Yellow Perch	182	53	4	
5	1	Yellow Perch	126	21	1	

END TIME: October 19, 1988 11:30
LOCATION: Station 4-Vermont-South
METHOD : Trap net, 21.8 hours
SAMPLE : 11987

No catch for this collection.

END TIME: October 19, 1988 11:45
LOCATION: Station 4-Vermont-North
METHOD : Trap net, 21.8 hours
SAMPLE : 11988

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	304	340		3240
2	1	Smallmouth Bass	166	53	2	
3	1	Smallmouth Bass	425	1080	7	
4	1	Smallmouth Bass	299	349	5	3244
5	1	Smallmouth Bass	219	114	2	3245
6	1	Smallmouth Bass	187	81	1	
7	1	Brown Bullhead	256	208		
8	1	Rock Bass	212	210		
9	1	Rock Bass	202	172		
10	1	Rock Bass	152	72		
11	1	Rock Bass	134	47		
12	1	Rock Bass	106	26		
13	1	Rock Bass	186	128		
14	1	Rock Bass	146	57		
15	1	Rock Bass	102	24		
16	1	Rock Bass	156	76		
17	1	Rock Bass	184	123		
18	1	Rock Bass	170	90		
19	1	Rock Bass	99	20		
20	1	Rock Bass	117	31		
21	1	Rock Bass	146	59		
22	1	Rock Bass	132	44		
23	1	Rock Bass	111	28		
24	1	Pumpkinseed	156	66		
25	1	Yellow Perch	240	147	3	
26	1	Yellow Perch	251	135	4	
27	1	Yellow Perch	210	91	4	
28	1	Yellow Perch	215	105	3	
29	1	Yellow Perch	182	60	3	
30	1	Yellow Perch	150	37	2	
31	1	Yellow Perch	123	22	2	
32	1	Yellow Perch	145	33	1	
33	1	Yellow Perch	140	29	2	
34	1	Yellow Perch	131	22	1	
35	1	Yellow Perch	119	18	2	

END TIME: October 17, 1988 20:20
LOCATION: Station 2
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11989

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	2	Fallfish		240		
2	1	White Sucker		1160		
3	1	White Sucker		824		
4	1	Rock Bass	195	145		
5	2	White Perch		26		
71	1	American Shad	91	6.1		
72	1	American Shad	90	6.4		
73	1	American Shad	96	6.9		
74	1	American Shad	88	5.6		
75	1	American Shad	95	7.2		
76	1	American Shad	98	7.7		
77	1	American Shad	95	7.1		
78	1	American Shad	95	7.0		
79	1	American Shad	101	8.8		
80	1	American Shad	95	7.0		
81	1	American Shad	91	6.2		
82	1	American Shad	93	6.5		
83	1	American Shad	93	6.3		
84	1	American Shad	98	7.7		
85	1	American Shad	97	7.8		
86	1	American Shad	99	8.1		
87	1	American Shad	95	6.5		
88	1	American Shad	97	8.3		
89	1	American Shad	96	7.4		
90	1	American Shad	92	6.4		
91	1	American Shad	90	5.8		
92	1	American Shad	91	6.0		
93	1	American Shad	95	6.8		
94	1	American Shad	94	6.8		
95	1	American Shad	103	9.0		
96	1	American Shad	94	6.8		
97	1	American Shad	91	5.9		
98	1	American Shad	92	6.0		
99	1	American Shad	94	7.0		
100	1	American Shad	88	5.6		
101	1	American Shad	89	5.6		

END TIME: October 17, 1988 21:16
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11990

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	5	White Sucker		5710		
2	1	White Sucker		710		
3	1	Common Carp		5900		
4	4	Yellow Perch		492		
5	3	White Sucker		36		
6	1	Smallmouth Bass	109	9.0	0	
7	1	Largemouth Bass	258	246	1	
71	1	American Shad	100	8.2		
72	1	American Shad	102	9.2		
73	1	American Shad	101	9.2		
74	1	American Shad	98	8.1		
75	1	American Shad	104	9.6		
76	1	American Shad	99	7.9		

END TIME: October 17, 1988 22:11
LOCATION: Stebbin Island-Vermont Side
METHOD : Electrofishing, 0.3 hours
SAMPLE : 11991

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	4	White Sucker		5030		
2	3	White Sucker		4080		
3	3	Fallfish		479		
4	2	Yellow Perch		261		
5	1	Bluegill		155		
6	2	Mimic Shiner		6.0		
7	9	Spottail Shiner		70		
8	1	Smallmouth Bass	134	28	0	
9	1	Smallmouth Bass	90	9.0	0	
10	1	Smallmouth Bass	83	6.0	0	
11	1	Smallmouth Bass	76	5.0		
12	1	Smallmouth Bass	211	145		3839
13	1	Smallmouth Bass	183	72	1	
71	1	American Shad	100	8.4		
72	1	American Shad	97	7.9		
73	1	American Shad	102	9.2		

END TIME: October 17, 1988 23:03
LOCATION: Station 3
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11992

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	277	233	3	3841
2	1	Largemouth Bass	227	138	3	
3	1	Smallmouth Bass	191	84	1	
4	1	Smallmouth Bass	199	102	1	
5	1	Smallmouth Bass	190	86	1	
6	1	Smallmouth Bass	182	82	1	
7	1	Smallmouth Bass	172	59	1	
8	1	Smallmouth Bass	134	35	0	
9	1	Smallmouth Bass	146	33	1	
10	1	Smallmouth Bass	121	22	1	
11	1	Smallmouth Bass	101	13	0	
12	1	Smallmouth Bass	114	20	0	
13	1	Smallmouth Bass	120	18	0	
14	1	Smallmouth Bass	96	9.0	0	
15	1	Smallmouth Bass	90	16	0	
16	1	Smallmouth Bass	109	15	0	
17	1	Smallmouth Bass	103	14	0	
18	1	Smallmouth Bass	80	6.0	0	
19	4	Bluegill		621		
20	1	White Sucker		110		
21	1	Sea Lamprey		12		
22	3	Rock Bass		192		
23	1	Pumpkinseed		11		
24	11	Spottail Shiner		98		
25	1	Mimic Shiner		1.0		
71	1	American Shad	99	7.5		
72	1	American Shad	102	8.6		
73	1	American Shad	104	9.0		
74	1	American Shad	103	9.2		
75	1	American Shad	103	9.2		

END TIME: October 17, 1988 23:25
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Electrofishing, 0.2 hours
SAMPLE : 11993

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	American Shad	103	8.9		
2	1	American Shad	103	9.7		
3	1	American Shad	103	9.8		
4	1	American Shad	100	8.7		
5	1	American Shad	98	7.9		
6	1	American Shad	104	9.4		
71	2	White Sucker		1930		
72	10	Bluegill		1450		
73	4	Pumpkinseed		226		
74	8	Yellow Perch		374		
75	1	Bluegill		96		
76	1	Pumpkinseed		53		
77	1	Smallmouth Bass	177	75		
78	1	Smallmouth Bass	176	63	1	
79	1	Largemouth Bass	315	454	2	
80	1	Smallmouth Bass	103	14	0	
81	1	Lepomis sp.		3.0		

END TIME: October 20, 1988 9:25
LOCATION: Station 2
METHOD : Trap net, 17.5 hours
SAMPLE : 11997

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	135	32	0	
2	1	Smallmouth Bass	125	25	0	
3	1	Smallmouth Bass	130	23	0	
4	1	Smallmouth Bass	104	15	0	
5	1	White Sucker	116	18		
6	1	Yellow Perch	252	187	4	
7	1	Yellow Perch	219	124	2	
8	1	Yellow Perch	192	80	3	
9	1	Yellow Perch	262	213	4	
10	1	Yellow Perch	201	96	2	
11	1	Yellow Perch	181	77	2	
12	1	White Sucker	90	7.0		
13	1	Pumpkinseed	83	8.0		
14	1	Pumpkinseed	76	5.0		
15	1	Pumpkinseed	69	3.0		
16	1	Pumpkinseed	62	5.0		

END TIME: October 20, 1988 9:35
LOCATION: Station 2
METHOD : Trap net, 17.5 hours
SAMPLE : 11998

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Sucker	480	1120		
2	1	White Sucker	495	1170		
3	1	Smallmouth Bass	220	140	1	3843
4	1	Smallmouth Bass	107	16	0	
5	1	Yellow Perch	246	180	3	
6	1	Yellow Perch	220	116	3	

END TIME: October 20, 1988 10:45
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 18.3 hours
SAMPLE : 11999

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Walleye	344	326	1	
2	1	Walleye	325	249	3	
3	1	Smallmouth Bass	100	10	0	
4	1	Yellow Perch	189	67	2	
5	1	Yellow Perch	219	114	3	
6	1	Yellow Perch	204	79	3	
7	1	Smallmouth Bass	95	8.0	0	
8	1	Spottail Shiner	110	9.0		
9	1	Spottail Shiner	111	10		
10	1	Spottail Shiner	108	8.0		
11	1	Spottail Shiner	114	10		
12	1	Spottail Shiner	112	9.0		
13	1	Spottail Shiner	110	11		
14	1	Spottail Shiner	107	12		
15	1	Spottail Shiner	111	15		
16	1	Spottail Shiner	111	16		
17	1	Spottail Shiner	112	16		
18	1	Spottail Shiner	112	15		
19	1	Spottail Shiner	106	14		
20	1	Spottail Shiner	110	15		
21	1	Eastern Silvery Minnow	81	10		
71	1	American Shad	100	7.1		
72	1	American Shad	101	6.9		
73	1	American Shad	102	8.0		
74	1	American Shad	102	7.6		
75	1	American Shad	99	7.8		
76	1	American Shad	107	8.8		

END TIME: October 20, 1988 11:15
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 18.4 hours
SAMPLE : 12000

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	230	287		
2	1	White Sucker	492	976		
71	1	American Shad	96	7.1		

END TIME: October 20, 1988 12:15
LOCATION: Station 3
METHOD : Trap net, 19.2 hours
SAMPLE : 12001

No catch for this collection.

END TIME: October 20, 1988 12:25
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 19.1 hours
SAMPLE : 12002

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Bluegill	184	135		
2	1	Bluegill	184	131		
3	1	Bluegill	199	161		
4	1	Bluegill	210	195		
5	1	Bluegill	209	209		
6	1	Rock Bass	226	247		
7	1	Rock Bass	204	181		
8	1	Rock Bass	224	244		
9	1	Rock Bass	198	141		
10	1	Rock Bass	125	41		
11	1	White Perch	254	226	4	
12	1	Pumpkinseed	121	37		
13	1	Pumpkinseed	135	45		
14	1	White Sucker	408	673		
15	1	White Sucker	358	477		
16	1	White Sucker	404	728		
17	1	White Sucker	508	1300		
18	1	White Sucker	416	732		
19	1	White Sucker	423	860		
20	1	White Sucker	413	738		

END TIME: October 19, 1988 18:17
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 194.5 hours
SAMPLE : 12003

No catch for this collection.

END TIME: October 20, 1988 15:05
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 20.8 hours
SAMPLE : 12004

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	88	7.7		
2	1	White Perch	94	10		
3	1	Lepomis sp.	50	2.0		
4	1	Lepomis sp.	54	2.6		
5	1	Lepomis sp.	61	3.7		
6	1	Lepomis sp.	55	2.8		
7	1	Lepomis sp.	50	2.4		
8	1	Lepomis sp.	54	2.6		
9	1	Lepomis sp.	55	2.8		
10	1	Lepomis sp.	54	2.5		
11	1	Lepomis sp.	50	2.1		
12	1	Lepomis sp.	49	1.9		
13	1	Lepomis sp.	41	1.3		
14	1	Lepomis sp.	45	1.7		
15	1	Lepomis sp.	45	1.7		
16	1	Lepomis sp.	44	1.6		
17	1	Lepomis sp.	47	1.9		
18	1	Lepomis sp.	45	1.5		
19	1	Largemouth Bass	103	14		
20	1	Pumpkinseed	126	44		
21	1	Rock Bass	53	2.5		
22	1	Rock Bass	47	2.3		
23	1	Rock Bass	50	2.5		

END TIME: October 21, 1988 9:40
LOCATION: Station 2
METHOD : Trap net, 24.3 hours
SAMPLE : 12005

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Smallmouth Bass	316	410		3844
2	1	Smallmouth Bass	365	727	5	3846
3	1	Smallmouth Bass	120	18	0	
4	1	Smallmouth Bass	116	19	0	
5	1	Smallmouth Bass	208	111	1	3847
6	1	Smallmouth Bass	120	22	0	
7	1	Smallmouth Bass	124	24	0	
8	1	Pumpkinseed	74	10		
9	1	Yellow Perch	218	122	2	
10	1	Yellow Perch	219	116	2	
11	1	Yellow Perch	220	133	2	
12	1	Yellow Perch	195	84	2	
13	1	Yellow Perch	183	81	1	
14	1	White Sucker	119	22		
15	1	White Sucker	435	828		
16	1	White Sucker	369	508		

END TIME: October 21, 1988 10:00
LOCATION: Station 2
METHOD : Trap net, 24.4 hours
SAMPLE : 12006

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	76	14		

END TIME: October 21, 1988 11:10
LOCATION: Stebbin Island-New Hampshire Side
METHOD : Trap net, 24.4 hours
SAMPLE : 12007

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp	676	5440		
2	1	Walleye	479	929	4	
3	1	Walleye	394	506	3	
4	1	Pumpkinseed	98	23		
5	1	Rock Bass	62	7.0		
6	1	Yellow Perch	105	14	0	
7	1	Yellow Perch	115	20	0	
8	1	Yellow Perch	91	10	0	
9	1	Yellow Perch	98	10	0	
10	1	Yellow Perch	84	8.0	0	
11	1	Yellow Perch	102	13	0	
12	1	Yellow Perch	92	10	0	
13	1	Yellow Perch	90	10		
14	1	Yellow Perch	91	10	0	
15	1	Yellow Perch	87	9.0	0	
16	1	Yellow Perch	86	9.0	0	
17	1	Yellow Perch	87	8.0	0	
18	1	Yellow Perch	80	7.0	0	
19	1	Yellow Perch	111	15	0	
20	1	Yellow Perch	97	10	0	
21	1	Yellow Perch	85	8.0	0	
22	1	Yellow Perch	80	7.0	0	
23	1	Spottail Shiner	109	12		

END TIME: October 21, 1988 11:25
LOCATION: Stebbin Island-Vermont Side
METHOD : Trap net, 24.2 hours
SAMPLE : 12008

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	81	10		
2	1	Pumpkinseed	65	6.0		
3	1	Pumpkinseed	65	6.0		
4	1	White Sucker	430	943		
5	1	Yellow Perch	115	18	0	
6	1	Yellow Perch	121	20	0	
7	1	Yellow Perch	96	11	0	

END TIME: October 21, 1988 12:20
LOCATION: Station 3
METHOD : Trap net, 24.1 hours
SAMPLE : 12009

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	56	3.0		

END TIME: October 21, 1988 12:35
LOCATION: 0.1 Miles South of Vernon Dam
METHOD : Trap net, 24.2 hours
SAMPLE : 12010

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Pumpkinseed	177	123		
2	1	White Sucker	420	830		
3	1	White Sucker	456	1120		
4	1	White Sucker	471	1120		

END TIME: October 27, 1988 18:30
LOCATION: Rum Point
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12011

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	3	Common Carp		5790		
2	6	White Sucker		2740		
3	41	Yellow Perch		2580		
4	1	Walleye	419	561	2	
5	1	Walleye	348	349	1	
6	1	Northern Pike	419	459		
7	1	Smallmouth Bass	272	248	3	3248
8	1	Smallmouth Bass	258	198	3	3249
9	5	Rock Bass		572		
10	1	White Perch		133		
11	1	Rock Bass		16		
12	6	Golden Shiner		117		
13	2	Yellow Perch		105		
14	1	Golden Shiner		30		
15	2	Pumpkinseed		34		
16	12	Spottail Shiner		87		
17	1	Eastern Silvery Minnow		4.0		
18	1	Mimic Shiner		1.0		
19	2	Spottail Shiner		10		

END TIME: October 26, 1988 21:23
LOCATION: Station 5-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 12012

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	22	Yellow Perch		1920		
2	9	White Sucker		2430		
3	1	Yellow Perch		68		
4	14	Pumpkinseed		273		
5	1	Lepomis sp.		1.0		
6	1	Bluegill		93		
7	1	Yellow Perch		63		
8	2	Golden Shiner		30		
9	3	Spottail Shiner		5.0		
10	1	Mimic Shiner		1.0		
11	1	Largemouth Bass	112	14	0	

END TIME: October 26, 1988 22:18
LOCATION: Station 5-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 12013

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	10	White Sucker		5330		
2	11	Yellow Perch		500		
3	14	Golden Shiner		700		
4	5	Yellow Perch		337		
5	2	White Sucker		165		
6	9	Bluegill		665		
7	7	Pumpkinseed		255		
8	1	Golden Shiner		4.0		
9	1	Spottail Shiner		10		
10	2	White Sucker		1210		
11	1	Yellow Perch	178	47		
12	1	Brown Bullhead	246	177		
13	1	Walleye	525	1120	4	
14	1	Largemouth Bass	296	299	2	

END TIME: October 27, 1988 19:36
LOCATION: New Hampshire Setback
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12014

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Common Carp		8260		
2	1	Common Carp		1590		
3	1	Largemouth Bass	312	410	2	
4	1	Largemouth Bass	294	334	2	
5	1	Largemouth Bass	321	440	2	
6	1	Largemouth Bass	312	392	2	
7	1	Largemouth Bass	430	1070	5	
8	1	Largemouth Bass	385	839	4	
9	1	Largemouth Bass	445	1320	4	
10	1	Largemouth Bass	318	455	3	
11	1	Largemouth Bass	288	350	2	
12	1	Largemouth Bass	323	393	3	
13	1	Largemouth Bass	458	1400	5	
14	1	Largemouth Bass	282	262	2	
15	1	Largemouth Bass	255	202	3	
16	1	Largemouth Bass	341	545	2	
17	1	Largemouth Bass	398	948	3	
18	1	Largemouth Bass	269	245	2	
19	1	Largemouth Bass	297	364	2	
20	1	Largemouth Bass	241	202	2	
21	1	Largemouth Bass	293	369	2	
22	1	Largemouth Bass	332	502	2	
23	1	Largemouth Bass	317	435	2	
24	1	Largemouth Bass	266	230	3	
25	1	Largemouth Bass	286	305	2	
26	1	Common Carp		1490		
27	3	White Sucker		1260		
28	74	Bluegill		6540		
29	2	Bluegill		127		
30	10	Yellow Perch		965		
31	8	Pumpkinseed		433		
32	2	Golden Shiner		118		
33	1	Bluegill		53		
34	1	Largemouth Bass	57	5.0	0	
35	8	Spottail Shiner		79		
36	1	Spottail Shiner		12		

END TIME: October 26, 1988 19:09
LOCATION: Station 4-Vermont
METHOD : Electrofishing, 0.3 hours
SAMPLE : 12015

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	4	Common Carp		5830		
2	2	Common Carp		2430		
3	7	White Sucker		2700		
4	31	Yellow Perch		3070		
5	3	Rock Bass		107		
6	2	White Perch		16		
7	1	Walleye	222	86	0	
8	1	Largemouth Bass	134	27	1	
9	1	Lepomis sp.	45	1.0		

END TIME: October 26, 1988 20:06
LOCATION: Station 4-New Hampshire
METHOD : Electrofishing, 0.3 hours
SAMPLE : 12016

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	6	White Sucker		4350		
2	4	Common Carp		5070		
3	1	Northern Pike	600	1350		
4	1	Northern Pike	605	1240		
5	40	Yellow Perch		3690		
6	2	American Eel		1530		
7	1	Walleye	472	921	5	
8	1	Walleye		312	1	
9	1	Largemouth Bass	335	556	4	
10	1	Largemouth Bass	311	424	2	
11	1	Largemouth Bass	341	598	3	
12	1	Smallmouth Bass	261	189	3	3246
13	1	Smallmouth Bass	295	304	3	3247
14	1	Brown Bullhead	196	93		
15	3	Yellow Perch		183		
16	2	White Sucker		238		
17	1	Golden Shiner	141	24		
18	1	Pumpkinseed	114	28		
19	1	White Perch	106	12		
20	7	Spottail Shiner		44		

END TIME: October 27, 1988 9:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 162.2 hours
SAMPLE : 12017

No catch for this collection.

END TIME: October 28, 1988 9:00
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 23.8 hours
SAMPLE : 12018

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Rock Bass	100	22		
2	1	Rock Bass	49	2.4		
3	1	Lepomis sp.	46	1.7		
4	1	Lepomis sp.	59	3.5		
5	1	Lepomis sp.	57	3.5		
6	1	Lepomis sp.	51	2.4		
7	1	Lepomis sp.	51	2.3		
8	1	White Perch	92	8.9		
9	1	White Perch	100	12		
10	1	White Perch	100	12		
11	1	White Perch	100	13		
12	1	White Perch	101	12		
13	1	White Perch	73	4.2		
14	1	White Perch	71	4.2		
15	1	White Perch	74	4.5		
16	1	White Perch	67	3.6		
17	1	Lepomis sp.	37	0.8		

END TIME: October 28, 1988 21:48
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12019

No catch for this collection.

END TIME: October 28, 1988 21:40
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12020

No catch for this collection.

END TIME: October 28, 1988 22:11
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12021

No catch for this collection.

END TIME: October 28, 1988 22:05
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12022

No catch for this collection.

END TIME: October 28, 1988 22:25
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12023

No catch for this collection.

END TIME: October 28, 1988 22:35
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12024

No catch for this collection.

END TIME: October 28, 1988 22:43
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12025

No catch for this collection.

END TIME: October 28, 1988 23:08
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12026

No catch for this collection.

END TIME: October 28, 1988 23:25
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12027

No catch for this collection.

END TIME: October 28, 1988 23:32
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12028

No catch for this collection.

END TIME: October 28, 1988 23:37
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12029

No catch for this collection.

END TIME: October 31, 1988 15:15
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens, 78.3 hours
SAMPLE : 12030

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	Brook Trout	202	76		
2	1	Brook Trout	90	7.3		

END TIME: November 1, 1988 9:25
LOCATION: Vermont Yankee Intake
METHOD : Circulating water travelling screens; 18.2 hours
SAMPLE : 12031

Fish ID	Number of fish	Species	Length (mm)	Weight (g)	Annuli (number)	Tag Number
1	1	White Perch	71	4.1		
2	1	Lepomis sp.	45	1.7		
3	1	Lepomis sp.	56	3.0		
4	1	Lepomis sp.	56	3.2		
5	1	Lepomis sp.	52	2.3		
6	1	Lepomis sp.	25	0.4		
7	1	Rock Bass	41	1.4		

END TIME: November 3, 1988 19:09
LOCATION: 0.1 Miles South of Vernon Dam - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12032

No catch for this collection.

END TIME: November 3, 1988 19:14
LOCATION: 0.1 Miles South of Vernon Dam - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12033

No catch for this collection.

END TIME: November 3, 1988 19:00
LOCATION: Station 3 - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12034

No catch for this collection.

END TIME: November 3, 1988 18:55
LOCATION: Station 3 - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12035

No catch for this collection.

END TIME: November 3, 1988 18:42
LOCATION: Stebbin Island - Vermont - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12036

No catch for this collection.

END TIME: November 3, 1988 18:35
LOCATION: Stebbin Island - Vermont - II
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12037

No catch for this collection.

END TIME: November 3, 1988 18:25
LOCATION: Stebbin Island - Vermont - I
METHOD : Electrofishing, 0.2 hours
SAMPLE : 12038

No catch for this collection.

END TIME: November 3, 1988 17:40
LOCATION: Ashuelot Island
METHOD : Electrofishing, 0.3 hours
SAMPLE : 12039

No catch for this collection.

END TIME: November 3, 1988 18:00
LOCATION: Stebbin Island - New Hampshire - I
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12040

No catch for this collection.

END TIME: November 3, 1988 18:06
LOCATION: Stebbin Island - New Hampshire - II
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12041

No catch for this collection.

END TIME: November 3, 1988 18:10
LOCATION: Stebbin Island - New Hampshire - III
METHOD : Electrofishing, 0.1 hours
SAMPLE : 12042

No catch for this collection.

Appendix F

Ichthyoplankton

START TIME : May 3, 1988 16:30
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 37.9 cubic meters
SAMPLE : 11370

No catch for this collection.

START TIME : May 3, 1988 16:30
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 34.3 cubic meters
SAMPLE : 11371

No catch for this collection.

START TIME : May 3, 1988 16:30
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 36.0 cubic meters
SAMPLE : 11372

REMARKS : Flowmeter not functioning. Sample volume approximate.

No catch for this collection.

START TIME : May 10, 1988 11:46
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 36.0 cubic meters
SAMPLE : 11375

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Yellow Perch	6.6	Yolk sac

START TIME : May 10, 1988 11:46
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 29.9 cubic meters
SAMPLE : 11376

Fish ID	Number of fish	Species	Length (mm)	Life stage
1001	1	Yellow Perch	6.3	Yolk sac

START TIME : May 10, 1988 11:46
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 33.7 cubic meters
SAMPLE : 11377

No catch for this collection.

START TIME : May 16, 1988 16:27
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 6 minutes, 35 seconds
VOLUME : 37.3 cubic meters
SAMPLE : 11428

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.9	Yolk sac

START TIME : May 16, 1988 16:27
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 6 minutes, 35 seconds
VOLUME : 66.1 cubic meters
SAMPLE : 11429

No catch for this collection.

START TIME : May 16, 1988 16:28
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 6 minutes, 35 seconds
VOLUME : 39.8 cubic meters
SAMPLE : 11430

Fish ID	Number of fish	Species	Length (mm)	Life stage
1001	1	White Perch	3.8	Yolk sac

START TIME : May 24, 1988 11:10
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 30 seconds
VOLUME : 13.3 cubic meters
SAMPLE : 11455

REMARKS : Pond water level very low - had to adjust nets accordingly.

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.4	Yolk sac
2	1	White Perch	3.6	Yolk sac
3	1	White Perch	3.6	Yolk sac
4	1	White Perch	3.1	Yolk sac
5	1	White Perch	3.8	Yolk sac
6	1	Yellow Perch	7.3	Larval
1001	1	White Perch	3.8	Yolk sac
1002	1	White Perch	3.3	Yolk sac
1003	1	White Perch	3.6	Yolk sac
1004	1	White Perch	3.5	Yolk sac

START TIME : May 24, 1988 11:10
LOCATION : Vermont Yankee Intake, 3 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 30 seconds
VOLUME : 43.3 cubic meters
SAMPLE : 11456

REMARKS : Pond water level very low - had to adjust nets accordingly.

Fish ID	Number of fish	Species	Length (mm)	Life stage
1001	1	White Perch	3.3	Yolk sac
1002	1	White Perch	3.1	Yolk sac
1003	1	White Perch	3.9	Yolk sac

START TIME : May 24, 1988 11:10
LOCATION : Vermont Yankee Intake, 6 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 6 minutes, 26 seconds
VOLUME : 46.6 cubic meters
SAMPLE : 11457

REMARKS : Pond water level very low - had to adjust nets accordingly.

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.6	Yolk sac
2	1	White Perch	3.4	Yolk sac
3	1	White Perch	3.6	Yolk sac
4	1	White Perch	3.3	Yolk sac
5	1	White Perch	3.8	Yolk sac
6	1	White Perch	3.4	Yolk sac
7	1	White Perch	3.4	Yolk sac
8	1	White Perch	3.4	Yolk sac
9	1	White Perch	3.8	Yolk sac
10	1	White Perch	3.5	Yolk sac
11	1	White Perch	3.8	Yolk sac
12	1	White Perch	3.6	Yolk sac
13	1	White Perch	3.6	Yolk sac
14	1	White Perch	3.6	Yolk sac
15	1	White Perch	3.6	Yolk sac
16	1	White Perch	3.1	Yolk sac
17	1	White Perch	3.8	Yolk sac
18	1	White Perch	3.6	Yolk sac
19	1	White Perch	3.1	Yolk sac
20	1	White Perch	3.8	Yolk sac
21	1	White Perch	3.9	Yolk sac
22	1	White Perch	3.3	Yolk sac
23	1	White Perch	3.1	Yolk sac
24	1	White Perch	3.5	Yolk sac
25	1	White Perch	3.6	Yolk sac
26	1	White Perch	3.6	Yolk sac
27	1	White Perch	3.4	Yolk sac
1001	1	White Perch	3.4	Yolk sac
1002	1	White Perch	3.5	Yolk sac
1003	1	White Perch	3.5	Yolk sac
1004	1	White Perch	3.8	Yolk sac
1005	1	White Perch	3.1	Yolk sac

START TIME : June 1, 1988 9:11
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 10 seconds
VOLUME : 34.3 cubic meters
SAMPLE : 11473

Fish ID	Number of fish	Species	Length (mm)	Life stage
1001	1	White Perch	3.5	Yolk sac

START TIME : June 1, 1988 9:11
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 45 seconds
VOLUME : 37.8 cubic meters
SAMPLE : 11471

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.6	Yolk sac
2	1	White Perch	3.0	Yolk sac
3	1	White Perch	3.8	Yolk sac
4	1	White Perch	3.8	Yolk sac
5	1	White Perch	3.6	Yolk sac

START TIME : June 1, 1988 9:12
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 6 minutes, 5 seconds
VOLUME : 40.1 cubic meters
SAMPLE : 11472

REMARKS : Flowmeter not functioning. Sample volume approximate.

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.9	Yolk sac

START TIME : June 10, 1988 7:44
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 31.7 cubic meters
SAMPLE : 11500

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	4.0	Yolk sac
2	1	White Perch	3.6	Yolk sac
3	1	Notropis sp.	5.4	Yolk sac
4	1	Notropis sp.	5.3	Yolk sac
5	1	Notropis sp.	5.1	Yolk sac
6	1	Notropis sp.	5.0	Yolk sac
7	1	Notropis sp.	5.6	Yolk sac
8	1	Notropis sp.	5.9	Yolk sac
9	1	Notropis sp.	5.8	Yolk sac
1001	1	White Perch	3.8	Yolk sac

START TIME : June 10, 1988 7:44
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 29.9 cubic meters
SAMPLE : 11501

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.9	Yolk sac
2	1	Notropis sp.	5.5	Yolk sac
1001	1	White Perch	3.9	Yolk sac

START TIME : June 10, 1988 7:44
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 30 seconds
VOLUME : 29.6 cubic meters
SAMPLE : 11502

Fish ID	Number of fish	Species	Length (mm)	Life stage
1001	1	White Perch	3.4	Yolk sac
1002	1	White Perch	3.5	Yolk sac
1003	1	White Perch	3.8	Yolk sac
1004	1	White Perch	3.6	Yolk sac

START TIME : June 14, 1988 15:15
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 10 seconds
VOLUME : 31.7 cubic meters
SAMPLE : 11561

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Notropis sp.	5.4	Yolk sac
2	1	Notropis sp.	5.3	Yolk sac
1001	1	Notropis sp.	5.0	Yolk sac
1002	1	White Perch	3.8	Yolk sac

START TIME : June 14, 1988 15:15
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 10 seconds
VOLUME : 28.6 cubic meters
SAMPLE : 11562

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	5.6	Yolk sac
2	1	White Perch	3.6	Yolk sac
3	1	White Perch	3.6	Yolk sac
4	1	White Perch	3.8	Yolk sac
5	1	White Perch	3.6	Yolk sac
6	1	White Perch	3.8	Yolk sac
7	1	White Perch	3.8	Yolk sac
8	1	White Perch	3.4	Yolk sac
1001	1	White Perch	3.5	Yolk sac
1002	1	White Perch	3.8	Yolk sac
1003	1	White Perch	3.8	Yolk sac
1004	1	White Perch	3.8	Yolk sac
1005	1	White Perch	3.5	Yolk sac
1006	1	White Perch	3.6	Yolk sac
1007	1	White Perch	3.6	Yolk sac

START TIME : June 14, 1988 15:15
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 20 seconds
VOLUME : 20.0 cubic meters
SAMPLE : 11563

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	3.6	Yolk sac
2	1	White Perch	4.0	Yolk sac
3	1	White Perch	3.8	Yolk sac
4	1	White Perch	4.0	Yolk sac
5	1	White Perch	3.6	Yolk sac
6	1	White Perch	3.8	Yolk sac
7	1	White Perch	4.3	Yolk sac
8	1	White Perch	4.0	Yolk sac
9	1	White Perch	3.6	Yolk sac
10	1	White Perch	3.9	Yolk sac
11	1	White Perch	3.9	Yolk sac
12	1	White Perch	3.6	Yolk sac
13	1	White Perch	3.8	Yolk sac
14	1	White Perch	3.9	Yolk sac
15	1	White Perch	3.9	Yolk sac
16	1	White Perch	4.0	Yolk sac
17	1	White Perch	3.6	Yolk sac
1001	1	White Perch	3.6	Yolk sac
1002	1	White Perch	3.5	Yolk sac
1003	1	White Perch	3.6	Yolk sac
1004	1	White Perch	3.9	Yolk sac

START TIME : June 22, 1988 12:58
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 10 seconds
VOLUME : 33.2 cubic meters
SAMPLE : 11572

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	5.8	Yolk sac
2	1	Lepomis sp.	5.3	Yolk sac
3	1	Lepomis sp.	6.3	Yolk sac
4	1	Lepomis sp.	5.3	Yolk sac
5	1	Lepomis sp.	5.4	Yolk sac
6	1	White Perch	3.9	Yolk sac
7	1	Notropis sp.	5.4	Yolk sac
8	1	Notropis sp.	4.6	Yolk sac
9	1	Notropis sp.	4.5	Yolk sac
10	1	Notropis sp.	5.5	Yolk sac
11	1	Notropis sp.	5.0	Yolk sac
12	1	Notropis sp.	4.8	Yolk sac
13	1	Notropis sp.	4.8	Yolk sac
14	1	Notropis sp.	4.4	Yolk sac
15	1	Notropis sp.	4.5	Yolk sac
16	1	Notropis sp.	4.3	Yolk sac
17	1	Notropis sp.	4.4	Yolk sac
18	1	Notropis sp.	4.6	Yolk sac
19	1	Notropis sp.	4.4	Yolk sac
20	1	Notropis sp.	4.5	Yolk sac
21	1	Notropis sp.	5.3	Yolk sac
22	1	Notropis sp.	4.3	Yolk sac
23	1	Notropis sp.	4.6	Yolk sac
24	1	Notropis sp.	5.0	Yolk sac
25	1	Notropis sp.	4.4	Yolk sac
26	1	Notropis sp.	4.3	Yolk sac
27	1	Notropis sp.	4.4	Yolk sac
28	1	Notropis sp.	5.0	Yolk sac
29	1	Notropis sp.	5.0	Yolk sac
30	1	Notropis sp.	5.0	Yolk sac
31	1	Notropis sp.	4.8	Yolk sac
32	1	Notropis sp.	4.4	Yolk sac
33	1	Notropis sp.	4.6	Yolk sac
34	1	Notropis sp.	4.6	Yolk sac
35	1	Notropis sp.	5.0	Yolk sac
36	1	Notropis sp.	5.0	Yolk sac
37	1	Notropis sp.	5.0	Yolk sac
38	1	Notropis sp.	4.1	Yolk sac
39	1	Notropis sp.	5.0	Yolk sac
40	1	Notropis sp.	5.1	Yolk sac
41	1	Notropis sp.	4.4	Yolk sac
42	1	Notropis sp.	4.8	Yolk sac
43	1	Notropis sp.	5.1	Yolk sac
44	1	Notropis sp.	4.8	Yolk sac
45	1	Notropis sp.	4.1	Yolk sac
46	1	Notropis sp.	4.6	Yolk sac
47	1	Notropis sp.	4.6	Yolk sac
48	1	Notropis sp.	4.6	Yolk sac
49	1	Notropis sp.	4.9	Yolk sac
50	1	Notropis sp.	5.0	Yolk sac
51	1	Notropis sp.	4.8	Yolk sac
52	1	Notropis sp.	4.8	Yolk sac
53	1	Notropis sp.	4.6	Yolk sac
54	1	Notropis sp.	4.4	Yolk sac
55	1	Notropis sp.	4.4	Yolk sac
56	1	Notropis sp.	4.8	Yolk sac
57	1	Notropis sp.	4.4	Yolk sac
58	1	Notropis sp.	4.5	Yolk sac
59	1	Notropis sp.	4.8	Yolk sac

(CONTINUED)

START TIME : June 22, 1988 12:58
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 10 seconds
VOLUME : 33.2 cubic meters
SAMPLE : 11572

Fish ID	Number of fish	Species	Length (mm)	Life stage
60	1	Notropis sp.	5.1	Yolk sac
61	1	Notropis sp.	5.6	Yolk sac
62	1	Notropis sp.	3.9	Yolk sac
63	1	Notropis sp.	5.0	Yolk sac
64	1	Notropis sp.	3.8	Yolk sac
65	1	Lepomis sp.	6.3	Larval
66	1	Lepomis sp.	4.4	Yolk sac
67	1	White Perch	4.9	Yolk sac
1001	1	Notropis sp.	5.1	Yolk sac
1002	1	Notropis sp.	4.4	Yolk sac
1003	1	Notropis sp.	4.4	Yolk sac
1004	1	Notropis sp.	4.3	Yolk sac
1005	1	Notropis sp.	4.6	Yolk sac

START TIME : June 22, 1988 12:58
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 20 seconds
VOLUME : 34.9 cubic meters
SAMPLE : 11573

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	8.0	Larval
2	1	Lepomis sp.	5.8	Yolk sac
3	1	Lepomis sp.	5.5	Yolk sac
4	1	Lepomis sp.	3.3	Yolk sac
5	1	Lepomis sp.	3.4	Yolk sac
6	1	Lepomis sp.	3.5	Yolk sac
7	1	Lepomis sp.	5.3	Yolk sac
8	1	White Perch	4.4	Yolk sac
1001	1	White Perch	3.9	Yolk sac
1002	1	White Perch	4.0	Yolk sac

START TIME : June 22, 1988 12:58
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 55 seconds
VOLUME : 36.1 cubic meters
SAMPLE : 11574

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Notropis sp.	4.6	Yolk sac
1001	1	Lepomis sp.	4.9	Yolk sac
1002	1	White Perch	3.1	Yolk sac
1003	1	White Perch	3.4	Yolk sac
1004	1	White Perch	3.6	Yolk sac
1005	1	Lepomis sp.	5.0	Yolk sac
1006	1	White Perch	4.0	Yolk sac
1007	1	White Perch	4.1	Yolk sac

START TIME : June 29, 1988 11:13
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 12.9 cubic meters
SAMPLE : 11605

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Notropis sp.	4.6	Yolk sac
2	1	Notropis sp.	5.9	Yolk sac
3	1	Notropis sp.	4.9	Yolk sac
4	1	Notropis sp.	4.9	Yolk sac
5	1	Notropis sp.	4.8	Yolk sac
6	1	Notropis sp.	5.0	Yolk sac
7	1	Notropis sp.	4.9	Yolk sac
8	1	Notropis sp.	6.4	Yolk sac
9	1	Notropis sp.	5.6	Yolk sac
10	1	Notropis sp.	4.4	Yolk sac
11	1	Notropis sp.	6.4	Yolk sac
12	1	Notropis sp.	5.0	Yolk sac
13	1	Notropis sp.	5.4	Yolk sac
14	1	Notropis sp.	4.6	Yolk sac
15	1	Lepomis sp.	5.3	Yolk sac
16	1	Lepomis sp.	6.3	Yolk sac
17	1	Lepomis sp.	6.0	Yolk sac
18	1	Lepomis sp.	5.9	Yolk sac
19	1	Lepomis sp.	6.5	Yolk sac
20	1	Lepomis sp.	6.4	Yolk sac
21	1	Lepomis sp.	7.6	Yolk sac
22	1	Lepomis sp.	5.8	Yolk sac
23	1	Lepomis sp.	5.6	Yolk sac
24	1	Lepomis sp.	5.6	Yolk sac
25	1	Lepomis sp.	5.1	Yolk sac
26	1	Lepomis sp.	5.1	Yolk sac
27	1	Lepomis sp.	6.5	Yolk sac
28	1	Lepomis sp.	5.1	Yolk sac
29	1	Lepomis sp.	6.0	Yolk sac
30	1	Lepomis sp.	5.0	Yolk sac
31	1	Lepomis sp.	5.3	Yolk sac
32	1	Lepomis sp.	6.3	Yolk sac
33	1	Lepomis sp.	5.3	Yolk sac
34	1	Lepomis sp.	5.9	Yolk sac
35	1	Lepomis sp.	5.0	Yolk sac
36	1	Lepomis sp.	5.1	Yolk sac
37	1	Lepomis sp.	4.9	Yolk sac
38	1	Lepomis sp.	5.0	Yolk sac
39	1	Lepomis sp.	6.3	Yolk sac
40	1	Lepomis sp.	5.0	Yolk sac
41	1	Lepomis sp.	5.4	Yolk sac
42	1	Lepomis sp.	9.6	Larval

START TIME : June 29, 1988 11:13
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 22.6 cubic meters
SAMPLE : 11606

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Notropis sp.	4.8	Yolk sac
2	1	Notropis sp.	5.0	Yolk sac
3	1	Lepomis sp.	6.3	Yolk sac
4	1	Lepomis sp.	5.6	Yolk sac
5	1	Lepomis sp.	5.4	Yolk sac
6	1	Lepomis sp.	5.9	Yolk sac
7	1	Lepomis sp.	6.0	Yolk sac
8	1	Lepomis sp.	5.6	Yolk sac
9	1	Lepomis sp.	6.5	Yolk sac
10	1	Lepomis sp.	5.6	Yolk sac
11	1	Lepomis sp.	6.1	Yolk sac
12	1	Lepomis sp.	5.5	Yolk sac
13	1	Lepomis sp.	6.0	Yolk sac
14	1	Lepomis sp.	6.1	Yolk sac
15	1	Lepomis sp.	5.6	Yolk sac
16	1	Lepomis sp.	6.1	Yolk sac
17	1	Lepomis sp.	7.6	Yolk sac
1001	1	Lepomis sp.	6.5	Yolk sac
1002	1	Lepomis sp.	5.9	Yolk sac

START TIME : June 29, 1988 11:13
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 49.5 cubic meters
SAMPLE : 11607

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	4.0	Yolk sac
1001	1	White Perch	6.3	Yolk sac

START TIME : July 6, 1988 11:21
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 24.6 cubic meters
SAMPLE : 11649

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	7.9	Larval
2	1	Lepomis sp.	8.8	Larval
3	1	Lepomis sp.	7.5	Larval
4	1	Lepomis sp.	5.9	Yolk sac
5	1	Lepomis sp.	5.3	Yolk sac
6	1	Lepomis sp.	5.4	Yolk sac
7	1	Lepomis sp.	6.5	Yolk sac
8	1	Lepomis sp.	5.0	Yolk sac
9	1	Lepomis sp.	5.0	Yolk sac
10	1	Lepomis sp.	5.5	Yolk sac
11	1	Lepomis sp.	6.4	Yolk sac
12	1	Lepomis sp.	5.6	Yolk sac
13	1	Notropis sp.	5.4	Yolk sac
14	1	Notropis sp.	4.9	Yolk sac
15	1	Notropis sp.	5.0	Yolk sac
16	1	Notropis sp.	6.0	Yolk sac
17	1	Notropis sp.	5.5	Yolk sac
18	1	Notropis sp.	5.9	Yolk sac
19	1	Notropis sp.	5.1	Yolk sac
20	1	Notropis sp.	5.4	Yolk sac
21	1	Notropis sp.	4.8	Yolk sac
22	1	Notropis sp.	5.1	Yolk sac
23	1	Notropis sp.	5.0	Yolk sac
24	1	Notropis sp.	5.8	Yolk sac
25	1	Notropis sp.	4.6	Yolk sac
26	1	Notropis sp.	6.0	Yolk sac
27	1	Notropis sp.	5.0	Yolk sac
28	1	Notropis sp.	5.6	Yolk sac
29	1	Notropis sp.	4.4	Yolk sac
30	1	Notropis sp.	5.6	Yolk sac
31	1	Notropis sp.	5.1	Yolk sac
32	1	Notropis sp.	5.3	Yolk sac
33	1	Notropis sp.	5.6	Yolk sac
34	1	Notropis sp.	5.3	Yolk sac
35	1	Notropis sp.	5.6	Yolk sac
36	1	Notropis sp.	5.1	Yolk sac
37	1	Notropis sp.	5.0	Yolk sac
38	1	Notropis sp.	5.0	Yolk sac
39	1	Notropis sp.	5.5	Yolk sac
40	1	Notropis sp.	5.6	Yolk sac
41	1	Notropis sp.	5.9	Yolk sac
42	1	Notropis sp.	5.0	Yolk sac
43	1	Notropis sp.	5.5	Yolk sac
44	1	Notropis sp.	5.1	Yolk sac
45	1	Notropis sp.	5.4	Yolk sac

START TIME : July 6, 1988 11:21
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 4 minutes, 55 seconds
VOLUME : 25.7 cubic meters
SAMPLE : 11650

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Common Carp	6.4	Yolk sac
2	1	Lepomis sp.	4.1	Yolk sac
3	1	Lepomis sp.	5.6	Yolk sac
4	1	Lepomis sp.	5.9	Yolk sac
5	1	Lepomis sp.	6.5	Yolk sac
6	1	Lepomis sp.	5.0	Yolk sac
7	1	Lepomis sp.	5.9	Yolk sac
8	1	Lepomis sp.	5.9	Yolk sac
9	1	Lepomis sp.	5.9	Yolk sac
10	1	Lepomis sp.	5.8	Yolk sac
11	1	Lepomis sp.	5.8	Yolk sac
12	1	Lepomis sp.	5.8	Yolk sac

START TIME : July 6, 1988 11:21
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 4 minutes, 55 seconds
VOLUME : 18.0 cubic meters
SAMPLE : 11651

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	6.1	Yolk sac
2	1	Lepomis sp.	8.1	Yolk sac

START TIME : July 13, 1988 8:59
LOCATION : Vermont Yankee Intake, 1 foot
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 25.1 cubic meters
SAMPLE : 11653

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	White Perch	4.4	Yolk sac
2	1	Lepomis sp.	5.1	Yolk sac
3	1	Lepomis sp.	4.4	Yolk sac
4	1	Lepomis sp.	5.1	Yolk sac
5	1	Notropis sp.	4.8	Yolk sac
6	1	Notropis sp.	5.3	Yolk sac
7	1	Notropis sp.	4.9	Yolk sac
8	1	Notropis sp.	5.0	Yolk sac
9	1	Notropis sp.	4.9	Yolk sac
10	1	Notropis sp.	5.8	Yolk sac
11	1	Notropis sp.	5.5	Yolk sac
12	1	Notropis sp.	5.6	Yolk sac
13	1	Notropis sp.	5.6	Yolk sac
14	1	Notropis sp.	5.1	Yolk sac
15	1	Notropis sp.	5.3	Yolk sac
16	1	Notropis sp.	5.1	Yolk sac
17	1	Notropis sp.	5.4	Yolk sac
18	1	Notropis sp.	5.3	Yolk sac
19	1	Notropis sp.	5.8	Yolk sac
20	1	Notropis sp.	5.1	Yolk sac
21	1	Notropis sp.	6.3	Yolk sac
22	1	Notropis sp.	5.5	Yolk sac
23	1	Notropis sp.	5.3	Yolk sac
24	1	Notropis sp.	4.9	Yolk sac
25	1	Notropis sp.	5.4	Yolk sac

START TIME : July 13, 1988 8:59
LOCATION : Vermont Yankee Intake, 5 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 5 minutes, 0 seconds
VOLUME : 32.3 cubic meters
SAMPLE : 11654

Fish ID	Number of fish	Species	Length (mm)	Life stage
1	1	Lepomis sp.	5.3	Yolk sac
2	1	Lepomis sp.	5.4	Yolk sac
3	1	Lepomis sp.	5.0	Yolk sac
4	1	Lepomis sp.	5.6	Yolk sac
5	1	Lepomis sp.	6.0	Yolk sac
6	1	Lepomis sp.	6.3	Yolk sac
7	1	Lepomis sp.	5.6	Yolk sac
8	1	Lepomis sp.	5.0	Yolk sac
9	1	Lepomis sp.	5.4	Yolk sac
10	1	Lepomis sp.	5.4	Yolk sac
11	1	Lepomis sp.	6.5	Yolk sac
12	1	Lepomis sp.	5.4	Yolk sac
13	1	Lepomis sp.	5.9	Yolk sac
14	1	Lepomis sp.	4.8	Yolk sac
15	1	Lepomis sp.	6.3	Yolk sac
16	1	Lepomis sp.	5.9	Yolk sac
17	1	Lepomis sp.	4.9	Yolk sac
18	1	Lepomis sp.	5.0	Yolk sac
19	1	Lepomis sp.	6.0	Yolk sac
20	1	Lepomis sp.	5.8	Yolk sac
21	1	Lepomis sp.	5.6	Yolk sac
22	1	Lepomis sp.	5.9	Yolk sac
23	1	Lepomis sp.	5.1	Yolk sac
24	1	Lepomis sp.	5.0	Yolk sac
25	1	Lepomis sp.	5.4	Yolk sac
26	1	Lepomis sp.	6.3	Yolk sac
27	1	Lepomis sp.	5.5	Yolk sac
28	1	Lepomis sp.	5.4	Yolk sac
29	1	Lepomis sp.	5.3	Yolk sac
30	1	Lepomis sp.	5.9	Yolk sac
31	1	Lepomis sp.	6.1	Yolk sac
32	1	Lepomis sp.	5.9	Yolk sac
33	1	Lepomis sp.	4.5	Yolk sac
34	1	Lepomis sp.	5.4	Yolk sac
35	1	Lepomis sp.	6.5	Yolk sac
36	1	Lepomis sp.	5.4	Yolk sac
37	1	Lepomis sp.	5.8	Yolk sac
38	1	Lepomis sp.	5.3	Yolk sac

START TIME : July 13, 1988 8:59
LOCATION : Vermont Yankee Intake, 10 feet
METHOD : 0.5 meter drift net - horizontal haul
ELAPSED TIME: 4 minutes, 55 seconds
VOLUME : 21.5 cubic meters
SAMPLE : 11655

No catch for this collection.

Appendix G

Discharge Permit

RECEIVED

JAN 15 1986

VERMONT YANKEE

Permit No. 3-1199

File No. 13-17-002

NPDES No. VT0000264

DISCHARGE PERMIT

In compliance with the provisions of the Vermont Water Pollution Control Act, as amended, (10 V.S.A. Chap. 47 § 1251 et. seq; the "Act"),

Vermont Yankee Nuclear Power Corporation
Ferry Road - RFD 5, Box 169
Brattleboro, Vermont 05301

is authorized to discharge from a facility located at

Governor Hunt Road
Vernon, Vermont

to the Connecticut River

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, III hereof.

This permit shall become effective on the date of signing

This permit and the authorization to discharge shall expire at midnight, December 31, 1990.

Signed this 9th day of January 1986

Leonard W. Wilson

Leonard Wilson, Secretary
Agency of Environmental Conservation

PART I

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge controlled amounts of heated water and other liquid waste to the Connecticut River only as specified in Paragraphs 1-16 below, provided that such discharges do not violate applicable Vermont Water Quality Standards and are not adverse to: human health and safety; the environment in the vicinity of Vernon; and fish and other wildlife, including their value as fish and game and their habitat and ecology.

1. The permittee is required to operate its circulating water cooling facilities in a closed cycle mode except as follows:

   a. During the period October 15 through May 15 open-cycle operation is allowed provided that:

      (1) The temperature at Station 3 during this period of open-cycle operation shall not exceed 65°F. In the spring (prior to May 15) when the plant is operated open-cycle, and the mixed river temperature at Station 3 first reaches 60°F, the permittee shall notify the Secretary.

      (2) The rate of change of temperature at Station 3 shall not exceed 5°F per hour. The rate of change of temperature shall mean the difference between consecutive hourly average temperatures.

      (3) The increase in temperature above ambient at Station 3 shall not exceed 13.4°F. The increase in temperature above ambient shall mean plant induced temperature increase as shown by equation 1.1 (defined on page 1-8 of Vermont Yankee's 316 Demonstration: Engineering, Hydrological & Biological Information and Environmental Impact Assessment (March 1978).

   b. During the period May 16 through October 14, open-cycle operation is allowed provided that the increase in temperature above ambient at Station 3 shall not exceed 1°F. The increase in temperature above ambient shall mean plant induced temperature increase as shown by equation 1.1 (defined on page 1-8 of Vermont Yankee's 316 Demonstration: Engineering, Hydrological and Biological Information and Environmental Impact Assessment (March 1978).

   c. Experimental open/hybrid cycle test programs with alternate thermal limits (to a. and b. above) which are approved by the Vermont Yankee Environmental Advisory Committee (defined in Part I. 5.) and receive written authorization from the Secretary of the Vermont Agency of Environmental Conservation.

   d. During experimental open/hybrid cycle test programs, known as SAVE (Save Available Vermont Energy); which is for the annual period May 16 through October 14, provided that:

(1) Prior to the initiation of Project SAVE, Vermont Yankee shall upgrade the flow control gates such that they will meet the demands of Project SAVE. After the gates have been upgraded, written acknowledgement of this action shall be obtained from the Secretary. This acknowledgement shall only be forthcoming if the upgrade in the Secretary's judgement will meet the requirements of Project SAVE.

(2) The increase in temperature above ambient at Station 3 shall not exceed the limits set forth in the following table:

Station 7 Temperature	Increase in Temperature Above Ambient at Station 3
Above 66°F	1°F
63°F to 66°F	2°F
59°F to 63°F	3°F
55°F to 59°F	4°F
Below 55°F	5°F

The increase in temperature above ambient shall mean plant induced temperature increase as shown by equation 1.1 (defined on page 1-8 of Vermont Yankee's 316 Demonstration: Engineering, Hydrological & Biological Information and Environmental Impact Assessment (March 1978).

(3) Notwithstanding the other provisions of this permit, the Secretary may impose more stringent limitations for control of the thermal component of Vermont Yankee's discharge, including a requirement for closed cycle operation, if he determines that Project SAVE operations are having an adverse effect on resident or anadromous fish species in the river. Vermont Yankee shall file an annual report by May 31 on the previous year's results of the experimental test program.

e. During power operation, if an unexpected failure results in a complete loss of the cooling tower system, the above closed-cycle restriction may be modified for a period not to exceed 24 hours to permit an orderly shutdown by utilizing the main condenser as a heat sink and operating in an open-cycle mode. The cooling tower system includes all components required for condenser cooling.

f. Notwithstanding the above, the Secretary may impose more stringent effluent limitations for control of the thermal component of Vermont Yankee's discharge, including a requirement of closed-cycle operation, if he determines that open-cycle operation is having an adverse effect on resident or anadromous fish species in the river. Vermont Yankee will be given notice and opportunity for hearing prior to the imposition of such more stringent effluent limitations, unless the nature of the adverse effect will not allow sufficient time to give such notice and opportunity for hearing, in which event the Secretary shall hold a hearing within 10 days of his action if requested by the permittee. Nothing in this subparagraph shall be construed to limit the power of the Secretary to modify this permit as provided in Part II. B.4.C. hereof.

2. Any heated water discharged in the Vernon Pool under the terms of this permit shall be aerated or otherwise treated to provide a content of dissolved oxygen substantially at the level of saturation.

3. Racks and screens preventing fish and other wildlife from entering the condenser water intake must be operated and maintained in a manner as previously approved by the Vermont Water Resources Board. Solids collected on the traveling screens shall not be reintroduced into the Connecticut River.

4. All radioactive liquid wastes collected in the plant will be processed through a treatment system, including filtering and/or demineralization, and the liquid will be processed and disposed of in accordance with Nuclear Regulatory Commission Regulations. Low level radioactive wastes may be released to the Connecticut River after treatment pursuant to Final Safety Analysis Report, Volume III, Section 9.2: Station Radioactive Liquid Waste System, Vermont Yankee Nuclear Power Station, as amended subject to the following restrictions:

   a. The maximum instantaneous concentration of radionuclides in liquid effluents released to the unrestricted environment shall not exceed the limits specified in Table II, Column 2, Appendix B, 10 CRF 20, including applicable notes thereto.

   b. The maximum annual quantity of radionuclides, except tritium, in liquid effluents released to the unrestricted environment shall not exceed five (5) curies.

   c. The maximum annual quantity of tritium in liquid effluents released to the unrestricted environment shall not exceed five (5) curies.

   d. The dose or dose commitment to a member of the public from radionuclides in liquid effluents released to the unrestricted environment shall be limited to the following:

      (1) During any calendar quarter: less than or equal to 1.5 millirems to the total body, and less than or equal to 5 millirems to any organ.

      (2) During any calendar year: less than or equal to 3 millirems to the total body, and less than or equal to 10 millirems to any organ.

   e. The permittee shall report to the Agency of Environmental Conservation any abnormal releases of radioactivity in liquid effluents which are required to be reported to the Nuclear Regulatory Commission.

f. The permittee shall monitor and report concentrations, quantities and calculated doses of gamma radionuclides and tritium in liquid effluents released to the Connecticut River and report such data monthly to the Agency of Environmental Conservation. Other radionuclides shall be reported to the Agency of Environmental Conservation in a manner consistent with reports submitted to the Nuclear Regulatory Commission.

5. An Environmental Advisory Committee (EAC) will be comprised of one individual each representing: (1) Vermont Department of Water Resources and Environmental Engineering; (2) Vermont Department of Fish and Wildlife; (3) New Hampshire Fish and Game Department; (4) New Hampshire Water Supply and Pollution Control Commission; (5) Massachusetts Division of Water Pollution Control; (6) Massachusetts Division of Fisheries and Wildlife; and (7) Coordinator of the Connecticut River Anadromous Fish Program, U.S. Fish and Wildlife Service. The EAC shall be advisory in function and shall meet with the Chief Biologist of the Vermont Yankee Nuclear Power Corporation as often as necessary, but at least annually, to review and evaluate the aquatic environmental monitoring and studies program. The Vermont Yankee Chief Biologist will serve as the administrative coordinator and Secretary for the EAC.

6. The permittee shall conduct an environmental monitoring program to measure and record physical, chemical, and biological data to assure compliance with the requirements of this permit in accord with Environmental Monitoring Studies, Connecticut River Near Vernon (Appendix A to this permit). The permittee shall submit an annual report by May 31 of each year to the Secretary of the Agency of Environmental Conservation and the Environmental Advisory Committee (EAC).

7. The temperature probe in the Vernon fishway shall be compatible with the temperature monitoring system utilized at Stations 3 and 7 in the Connecticut River.

7. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the date of signing and lasting through December 31, 1990 the permittee is authorized to discharge from outfall(s), serial number(s) 001 (Circulating water discharge - condenser cooling water)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	lbs/day		Other Units (specify)			
	Monthly Avg	Daily Max	Monthly Avg	Daily Max	Measurement Frequency	Sample Type
Flow-MGD						
(1) Closed-Cycle			9.7 MGD	19.4 MGD	Daily	Weekly Avg. & Range (estimate)
(2) Open-Cycle*			543 MGD		Daily	Weekly Avg. & Range (estimate)
Temperature, Closed-Cycle				93°F (a)	Continuous	Daily Max. & Range
Chlorine - Free Residual				0.2 mg/l	(b,c)	Grab
Chlorine - Total Residual				0.5 mg/l	(b,c)	Grab
pH						
(1) Open/Hybrid-Cycle		6.5 - 8.0 Standard Units			Continuous (d)	Weekly Max. & Min.
(2) Closed-Cycle		6.5 - 8.5 Standard Units			Continuous (d)	Weekly Max. & Min.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Samples shall be taken at locations which are representative of the effluents discharged.

*See Part I. 1. for restrictions on open-cycle operation.

(a) If, under normal operating conditions, the supplementary blowdown spray pond becomes inoperable, daily instantaneous maximum temperatures of 110°F are permitted provided that the maximum time above 93°F does not exceed 7 days. However this does not relieve the permittee of any other thermal limits contained herein.

(b) Closed-Cycle only (discharge in blowdown) and chlorine injection not to exceed two hours per day.

(c) Monitoring only during chlorination (d) [illegible] inoperable [illegible] grab [illegible] ce [illegible] day

8. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the date of signing and lasting through December 31, 1990 the permittee is authorized to discharge from outfall(s), serial number(s) 001A (Plant heating boiler blowdown)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	lbs/day		Other Units (specify)			
	Monthly Avg	Daily Max	Monthly Avg	Daily Max	Measurement Frequency	Sample Type
Flow-MGD				.0010 MGD	(1)	Estimate
Hydrazine				.15 mg/l	(1)	Grab

(1) Shall be monitored when discharged

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Before combining with other waste streams.

9. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the date of signing and lasting through December 31, 1990 the permittee is authorized to discharge from outfall(s), serial number(s) 001B (Make-up demineralizer regenerate waste)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	lbs/day		Other Units (specify)			
	Monthly Avg	Daily Max	Monthly Avg	Daily Max	Measurement Frequency	Sample Type
Flow-MGD				.020 MGD	(1)	Estimate
Total Suspended Solids		20 lbs			(1)	Grab

(1) Shall be monitored when discharged.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Before combining with other waste streams.

10. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the date of signing and lasting through December 31, 1990 the permittee is authorized to discharge from outfall(s), serial number(s) 001C (Water treatment and sand filter backwash)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	lbs/day		Other Units (specify)			
	Monthly Avg	Daily Max	Monthly Avg	Daily Max	Measurement Frequency	Sample Type
Flow-MGD				.005 MGD	(1)	Estimate
Total Suspended Solids		40 lbs			(1)	Grab

(1) Shall be monitored when discharged

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Before combining with other waste streams.

11. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the date of signing and lasting through December 31, 1990 the permittee is authorized to discharge from outfall(s), serial number(s) 002 (Radioactive liquid)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations				Monitoring Requirements	
	lbs/day		Other Units (specify)			
	Monthly Avg	Daily Max	Monthly Avg	Daily Max	Measurement Frequency	Sample Type
Flow-MGD				28.8 MGD		Estimate
Radioactivity		See Part I. 4. a-f.			(1)	See Part I. 4. a-f.
pH		6.5 - 8.0 Standard Units			(1)	Grab

(1) Shall be monitored when discharged.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Samples shall be taken at locations which are representative of the radioactive effluent discharges.

12. The permittee is authorized to discharge stormwater and surface runoff from the following storm drains:

    006 - North Storm System Discharge Point
    007 - East Storm System Discharge Point
    008 - South Storm System Discharge Point

    Effluent limits and monitoring will not be required for these discharges; however, future storm drain and manhole construction shall conform to Agency policy for storm water treatment.

13. The permittee is authorized to use Drewsperse 738, a proprietary condenser cleaning compound, as needed, to maintain condenser cleanliness. The amount of Drewsperse 738 shall not exceed a concentration of 10 ppm in the discharge.

14. The permittee is authorized to use, as needed, Drewsperse 744-A, an antifoulant agent for the prevention and removal of iron oxide and other metallic oxide in on-line treatment of the service water system. The amount of Drewsperse 744-A shall not exceed a concentration of 50 ppm in the service water system.

15. The permittee is authorized to pump river silt, as necessary, which deposits in the intake structure and cooling tower basins, in the form of a silt-water slurry to be deposited on land on the plant site in a sedimentation area. Slurry volumes to be pumped will not exceed 0.500 MGD (350 gpm). Water drained from the slurry on land will be further settled/sedimented and then passively drained across a filter to reduce turbidity prior to return to the river via the north and east storm system discharge points (S/N 006 and 007, respectively).

16. The permittee is authorized to clean and maintain the turbine building closed cooling system (TBCC) with the use of Drewsperse 744-A and Drewgard 100. The concentrations of Drewgard 100 and Drewsperse 744-A shall not exceed 880 mg/l and 1760 mg/l, respectively.

B. REAPPLICATION

If the permittee desires to continue to discharge after the expiration of this permit, he shall reapply on the application forms then in use at least 180 days before the permit expires.

Re-apply for Discharge Permit by June 30, 1990.

C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results shall be reported monthly, postmarked no later than the 15th day of the month following the completed reporting period. The first report is due on the fifteenth of the month following the date of signing. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Secretary at the following address:

Agency of Environmental Conservation
Department of Water Resources & Environmental Engineering
State Office Building
Montpelier, Vermont 05602
Attn: Permits & Compliance Section

3. Definitions

For purposes of this permit, the following definitions shall apply.

Average - The arithmetic mean of values of analyses from samples taken at the frequency required for such parameter over a specific operating period.

Grab Sample - An individual sample collected in a period of less than 15 minutes.

Composite Sample - A sample consisting of a minimum of one grab sample per hour collected over a normal operating day and combined proportional to flow, or a sample continuously collected proportional to flow over a normal operating day.

Daily Discharge - Means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling.

For pollutants with limitation expressed in pounds the daily discharge is calculated as the total pounds of pollutants discharged over the day.

For pollutants with limitations expressed in mg/l the daily discharge is calculated as the average measurement of the pollutant over the day.

Maximum Day - Means the highest allowable "daily discharge" (mg/l, pounds or gallons).

Monthly Average (average monthly discharge limitation) - Means the highest allowable average of daily discharges (mg/l, pounds or gallons) over a calendar month, calculated as the sum of all daily discharges (mg/l, pounds or gallons) measured a calendar month divided by number of daily discharges measured during that month.

Closed-Cycle Operation and Blowdown - The circulating water system mode in which water is circulated through the cooling towers to dissipate condenser heat. The only water discharged to the river during closed cycle operation is the blowdown from the cooling towers. Blowdown refers to the water continuously removed from the cool side of the cooling tower collection basins to rid the cooling towers of dissolved solids.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304 (g) of the Clean Water Act, under which such procedures may be required. Guidelines establishing these test procedures have been published in the Federal Register as Vol. 38, No. 199, Part II, dated October 16, 1973, as amended at 41 FR 52781, December 1, 1976; 42 FR 3306, January 18, 1977; 42 FR 37205, July 20, 1977.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The exact place, date, and time of sampling;

b. The dates the analyses were performed;

c. The person(s) who performed the analyses;

d. The analytical techniques or methods used; and

e. The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form. Such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Secretary.

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submissions of a new permit application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily terms or conditions specified in this permit, the permittee shall first notify the Secretary by telephone within 24 hours of becoming aware of the condition. In addition, within 5 working days of becoming aware of the condition, the permittee shall notify the Secretary in writing and provide the following:

a. A description of the discharge and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

c. Persons holding Discharge Permits shall comply with a and b above by submitting the required information with an application for an Emergency Pollution Permit.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Quality Control

The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at regular intervals to ensure accuracy of measurements or shall ensure that both activities will be conducted. Samples shall be representative of the volume and quality of effluent discharged

over the sampling and reporting period. All samples are to be taken during normal operating hours. The permittee shall provide the above records upon request of the Secretary.

5. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

6. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except where unavoidable to prevent loss of life or severe property damage. The permittee shall notify the Secretary within 24 hours of each such diversion or bypass. The permittee shall also submit a written notification within 5 days of the occurrence. The written notification shall include the information as specified in Noncompliance Notification, Part II, paragraph A.2.

7. Removed Substances

Solids, sludges, filter backwash,or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Secretary of the Agency of Environmental Conservation, and/or his authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Secretary of the Agency of Environmental Conservation.

3. Availability of Reports

Except for data determined to be confidential under Section 1259(c) of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Vermont Agency of Environmental Conservation. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 1275 (b) of the Act.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307 (a) of the Clean Water Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in the permit condition on "Bypassing" (Part II, A-6), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 1281 of the Act.

8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

9. Property Rights

Issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, not any infringement of Federal, State or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PART III

OTHER REQUIREMENTS

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

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ENVIRONMENTAL MONITORING STUDIES, CONNECTICUT RIVER

The environmental monitoring and studies specified in Appendix A are intended to assure that the discharges authorized by this permit do not violate applicable Vermont Water Quality Standards and are not adverse to fish and other wildlife that inhabit the Connecticut River in and around the vicinity of Vernon.

The monitoring requirements of Section I are strictly defined in terms of sample methodologies, locations (See Appendix B) and frequency of sampling.

The monitoring requirements of Section II are less strictly defined goal oriented monitoring requirements. Goal oriented study objectives will be defined and reviewed by the Vermont Yankee Environmental Advisory Committee annually.

ROUTINE MONITORING

River Flow Rate

Frequency/Date: Hourly/All months

Location: Vernon Dam

River flow data will be tabulated from the records of the Vernon Hydroelectric Generating Station.

Temperature

1. Frequency/Date: Once per hour/All months

   Locations: Stations 3 and 7

2. Frequency/Date: Once per hour/During fishway operation

   Location: Vernon Fishway

Water temperature will be measured to within 0.1°F. These data will be collected only when the fishway is officially operating. Data will be reported as hourly, daily, and monthly means.

Water Quality Parameters

Frequency/Date: Once per month/All months

Locations: Stations 3 and 7, Plant Discharge

Water quality parameters will be grab samples collected via monitor pumps or directly from the river for the following:

Parameter	Location		
	Station 7	Discharge	Station 3
Dissolved Oxygen	X	*	X
pH	X	*	X
Alkalinity	X	*	X
Turbidity	X	*	X
Total Solids	X	*	X
Suspended Solids	X	*	X
Sodium	*	*	*
Sulfate	*	*	*
Chloride	*	*	*
Copper	*	*	*
Iron	*	*	*
Zinc	*	*	*

* Monitoring required only if Vermont Yankee is operating that sample period.

X Monitoring required once per month

Phytoplankton and Zooplankton

Phytoplankton and zooplankton will be collected during open/hybrid cycle according to the following schedule:

Frequency/Date: Monthly/April-November

Locations: Intake and Discharge

Comments: Duplicate samples will be collected and analyzed for proportion of living organisms. The remaining portion of the samples will be preserved and organisms identified to the lowest feasible taxonomic level. If the plant is not operating on open/hybrid cycle one river sample will be collected monthly in front of the intake and analyzed.

Macroinvertebrates

Macroinvertebrates will be collected according to the following schedules:

1. Frequency/Date: Monthly/June, August, October

   Locations: Stations 2,3,4,5

   Dredge samples will be collected at quarter points at each of the four stations. Macroinvertebrates, defined as invertebrates retained by a number 30 U.S. Geological Survey Sieve, will be identified to the lowest feasible taxonomic level.

2. Frequency/Date: Two samples/June - October

   Locations: Stations 2, 3, 4, 5

   A cage sample will be set at each station along the Vermont shore and retrieved after 30 to 60 days in the river. Macroinvertebrates will be identified to the lowest feasible taxonomic level.

Larval Fish

Larval fish will be collected during open/hybrid cycle according to the following schedule:

Frequency/Date: Weekly/May 1 - July 15

Location: Intake

A weekly sample shall consist of a sample at the surface, mid-depth and bottom strata of intake water. Volume of water sampled will be with a flow meter or other appropriate measuring device. Larval fish will be identified to the lowest feasible taxonomic level.

Fish

Fish will be collected according to the following schedules:

1. Frequency/Date: Monthly/May, June, September, October

   Location: Rum Point, Station 5, Station 4, N.H. Setback, 0.1 mile south of Vernon Dam, Station 3, Stebbin Island, Station 2

   Trap nets will be set at each station for two days and checked daily for each monthly sampling. A representative sample of American shad, Atlantic salmon, white perch, yellow perch, walleye, largemouth bass and smallmouth bass will be scaled for annuli enumeration.

2. Frequency/Date: Monthly/May, June, September, October

   Location: Rum Point, Station 5, Station 4, N. H. Setback, 0.1 Mile south of Vernon Dam, Station 3, Stebbin Island, Station 2.

   Fish will be collected at each location with boat-mounted electrofishing gear. A representative sample of American shad, Atlantic salmon, white perch, yellow perch, walleye, largemouth bass and smallmouth bass will be scaled for annuli enumeration.

Fish Impingement

Impingement samples will be collected during open/hybrid cycle according to the following schedule:

Frequency/Date: Weekly/April 1 - June 15, August 1 - October 31

Locations: Circulating water traveling screens

Prior to the start of each weekly sample, the three circulating water screens will be backwashed and debris removed. Debris will be examined for anadromous fish. On the following day the three circulating water screens will be backwashed and the debris sorted through for impinged fish. Impinged fish will be weighed and total length measured. Fish will be identified to the lowest feasible taxonomic level.

If any anadromous Atlantic salmon or American shad are impinged the Vermont District I Fisheries Biologist or the Director of Fisheries shall be notified. Frequency of impingement sampling shall increase to daily sampling upon the impingement of these salmonids or clupeids and continue until three consecutive daily samples not containing these fishes are obtained. Sampling frequency will then revert to weekly sampling.

The maximum number of Atlantic salmon which can be impinged by Vermont Yankee during a calendar year is determined by:

Impinged Atlantic salmon limit = 0.001 x (smolt equivalents)

Smolt equivalents (SE) are defined as:

$$SE = SE_F + SE_P + SE_S + SE_N$$

where:

SE_F is defined as the total number of smolt equivalents available from fry plants upstream of Vernon Dam. This number is calculated by:

SE_F = 0.0675 x (two-year previous fry).

Two-year previous fry is defined as the total number of fry stocked upstream of Vernon Dam two years previous.

SE_P is defined as the total number of smolt equivalents available from parr plants upstream of Vernon Dam. This number is calculated by:

SE_P = 0.25 x (yearling parr) + 0.11 x (two-year previous under yearling).

Yearling parr is defined as the total number of 1+ parr stocked upstream of Vernon Dam during the previous calendar year.

Two-year previous under yearling parr is defined as the total number of 0+ parr stocked two years previous.

SE_S is defined as the total number of smolt equivalents available from smolt stocked upstream of Vernon Dam. This number is calculated by:

SE_S = 1 x (smolts stocked).

Smolts stocked is defined as the total number of smolts stocked upstream during the current monitoring year.

SE_N is defined as the total number of smolt equivalents available from natural reproduction upstream of Vernon Dam. This number is calculated by:

SE_N = 0.58 x 7000 x 0.01 x (adult salmon)
0.58 represents 58% of the run is female
7000 represents the average number of eggs per female
0.01 represents a 1% survival of eggs to smolt stage
Adult salmon is defined as the number of adult salmon passed through the Vernon fishway two years previous.

The maximum number of American shad which can be impinged by Vermont Yankee during a calendar year is determined by:

Impinged American shad limit = 1 x number of shad

The number of shad is defined as the number of adult American shad passed at the Vernon fish ladder or otherwise introduced above Vernon Dam during the calendar year.

The plant will revert to closed cycle if either impingement limit is exceeded. The plant will remain on closed cycle until June 15 of the current calendar year if Atlantic salmon impingement limit is exceeded or until November 1 of the current calendar year if the American shad limit is exceeded.

SECTION II

The purpose of goal oriented studies is to continue to monitor the relationships among biotic, abiotic and plant operation components of the Connecticut River. Goal oriented study objectives will be defined and reviewed by the Vermont Yankee Environmental Advisory Committee (EAC) annually. A draft proposal for the following year's test program will be submitted by Vermont Yankee to the EAC for review by October 1 of each year. A progress report on these test programs conducted during the current year will be submitted by Vermont Yankee to the EAC by February 1. Proposed changes to the draft proposal will be submitted by March 1.

The following goals which will be addressed during this permit are:

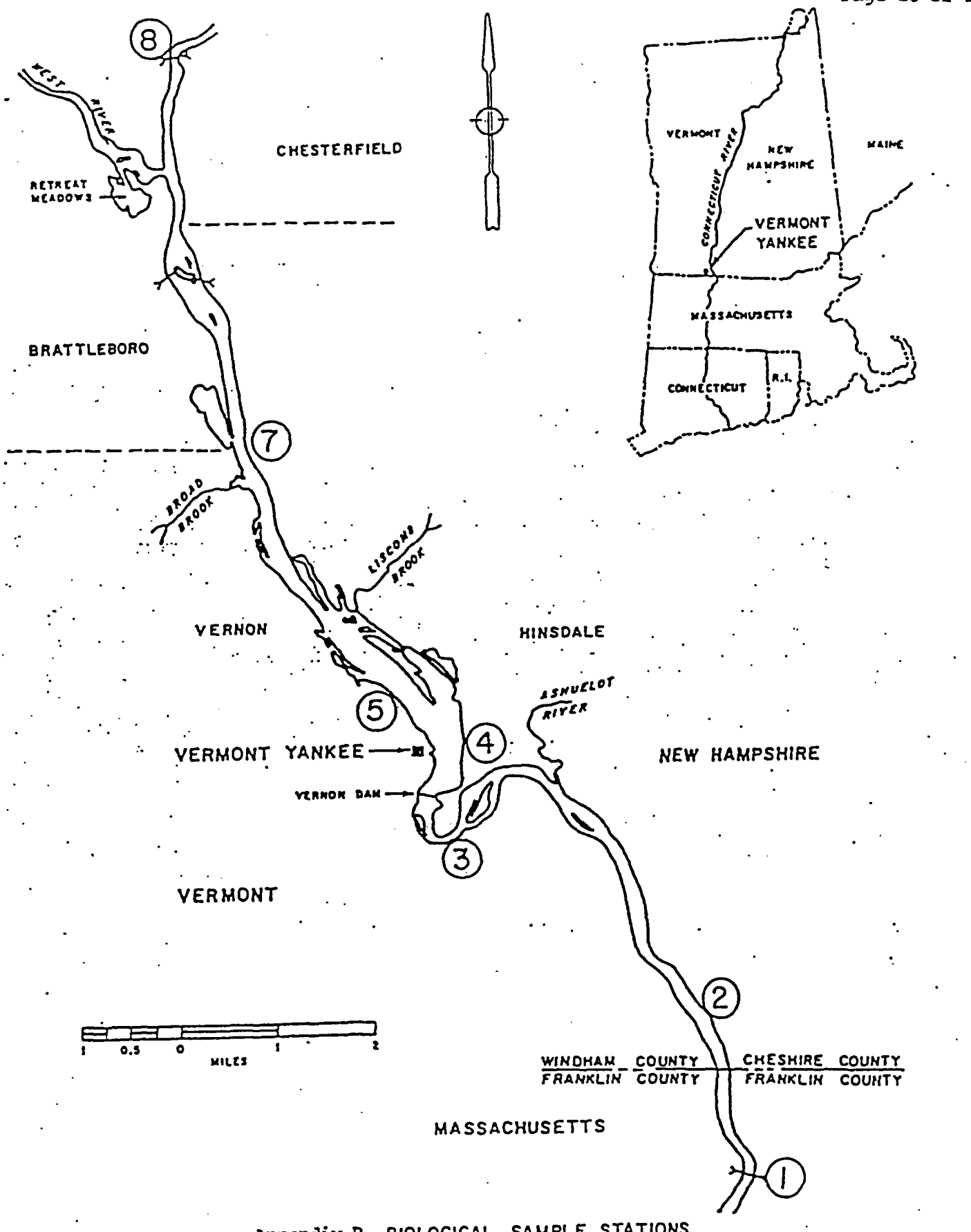
Continue to monitor the distribution and composition of fish in the lower Vernon and upper Turners Falls pools. Historical fish data and data collected annually as part of this monitoring program will provide the database for documenting the spatial and temporal distributions of fishes near Vermont Yankee.

Continue to monitor the relationship between ichthyoplankton entrainment and Vermont Yankee operation. The synthesis of historical ichthyoplankton data and ichthyoplankton data collected as part of this permit will be used to develop a model of plant entrainment.

Continue to monitor the relationships between plant operation and primary and secondary productivity. Studies on primary and secondary productivity will focus on spatial and temporal variations of these communities downstream of Vermont Yankee.

Continue to monitor the relationship between Vermont Yankee operation and the distribution, growth and population dynamics of juvenile American shad. These studies will focus on the relationships between plant operation and the growth, metabolism, and behavior of the juvenile shad downstream of Vermont Yankee.

Continue to monitor the relationship between Vermont Yankee operation and the migratory behavior of American shad and Atlantic salmon. The movement of the shad and salmon past Vernon Dam and Vermont Yankee will be monitored in situ to evaluate the relationship between migratory patterns and plant operation.



Appendix B BIOLOGICAL SAMPLE STATIONS