

# Data Rescue: Aging Environmental Databases

Paul M. Sawyko,  
Environmental Consultant

Funded By:

**LOCI**  
Lake Ontario  
Coastal Initiative  
&



Produced By:



Contributors:







Rescued through LOCI Project:

- 34 RGE Data Reports / Datasets
- 2 Monroe County Databases

RGE

- >30 Year Fish Impingement Database (1975 – 2006)
- 2 Years of Ichthyoplankton / Entrainment (1977 & 1978)
- Lake Benthos (1976) and Slater Creek Benthos (1982)

## RGE (Cont.)

- Fish Surveys (1976 & 1977)
- Thermal Discharge Analyses
- 19 Years Ambient Lake Temperature Database (1978 – 2006)

## Monroe County

- Irondequoit Bay Water Quality Monitoring (1984 – 2005)
- Lake Ontario Nearshore Monitoring (1998 - 2006)

### ROCHESTER EMBAYMENT RELATED ENVIRONMENTAL REPORTS

#### — RUSSELL STATION AQUATIC BIOLOGICAL REPORTS

#### — WATER QUALITY INFORMATION

#### — RGE/RUSSELL STATION AQUATIC BIOLOGICAL REPORTS

#### INTRODUCTION:

Rochester Gas and Electric's (RGE, RGE) Russell Station is located on Lake Ontario's southern shore, approximately 1.5 miles west of the mouth of the Seneca River, near the City of Rochester. Russell Station Aquatic Biological Reports dating back to 1975, the first year of systematically collected and reported information, were reviewed, organized and electronically scanned to create this compilation of electronically stored and not searchable files in a Portable Document Format (PDF). Existing report conditions, in most circumstances, produced high quality electronic files that have been processed using Optical Character Recognition (OCR) software to create searchable text. No effort nor attempt to replace missing information, has been made to these reports. Reviewed Reports are listed below, along with a link to the Report No. to each specific report.

#### CONTENTS:

#### BENTHIC SURVEY REPORTS

Final Report, Benthic Survey (1976), Biological Monitoring Program, Russell Power Station, Rochester Gas & Electric, August 1977, RGE Report No. B-07-013

Rochester Gas and Electric Corporation, 1987 ~~Final~~ <sup>Final</sup> Benthic Survey, Benthic Survey, January 1983, RGE Report No. B-1-02

#### ICHTHYOPLANKTON/ENTRANSMENT REPORTS

Final Report, Fish Egg And Larvae Entrapment Survey (1976), Biological Monitoring Program, Russell Power Station, Rochester Gas and Electric, April 1977, RGE Report No. B-07-011

Rochester Gas and Electric Corporation, 1977 Fish Egg And Larvae Program, Lake Seneca Surveys, Russell Power Station, September 1979, RGE Report No. B-7-050

Page 1 of 4

### ROCHESTER EMBAYMENT RELATED ENVIRONMENTAL REPORTS

Rochester Gas and Electric Corporation, 1978 Ichthyoplankton Program, Lake Seneca Surveys, Russell Power Station, August 1979, RGE Report No. B-07-019

#### FISH SURVEY REPORTS

Final Report, Fish Net Survey (1976), Biological Monitoring Program, Russell Power Station, Rochester Gas & Electric, April 1977, RGE Report No. B-07-009

Final Report, Winter Fish Survey (1977), Biological Monitoring Program, Russell Power Station, Rochester Gas and Electric, August 1977, RGE Report No. B-07-010

#### FISH IMPIGEMENT REPORTS

Russell Station Fish Impingement Report, November, 1978, December, 1978, Rochester Gas and Electric Corporation, May 1977, RGE Report No. B-7-012

An Assessment of Physiological and Environmental Conditions Relating to Fish Impingement at Rochester Gas and Electric Corporation's Russell Power Station During 1976, February 1976, RGE Report No. B-7-007

Rochester Gas and Electric Corporation, 1977, 1978, and 1979 Fish Impingement Data Report, Russell Power Station, January 1981, RGE Report No. B-07-105,106,107

Rochester Gas and Electric Corporation, 1980 Fish Impingement Data Report, Russell Power Station, September 1981, RGE Report No. B-07-115

Rochester Gas and Electric Corporation, 1981 Fish Impingement Data Report, Russell Power Station, February 1982, RGE Report No. B-07-112

Rochester Gas and Electric Corporation, 1982 Fish Impingement Data Report, Russell Power Station, February 1983, RGE Report No. B-07-223

Rochester Gas and Electric Corporation, 1983, 1984, and 1985 Fish Impingement Data Report, Russell Power Station, June 1986, RGE Report No. B-07-346,250,217

Rochester Gas and Electric Corporation, Impingement Program, Plan of Study, Russell Power Station, December 1984, RGE Report No. B-07-270

Rochester Gas & Electric Corporation, Fish Impingement Program, 1981 Through 1985 Analysis Report, Russell Power Station, July 1986, RGE Report No. B-07-312

Page 1 of 4

### ROCHESTER EMBAYMENT RELATED ENVIRONMENTAL REPORTS

Rochester Gas & Electric Corporation, Fish Impingement Program, 1982 Through 1987 Analysis Report, Russell Power Station, June 1987, RGE Report No. B-07-302

Rochester Gas & Electric Corporation, Fish Impingement Program, 1983 Through 1987 Analysis Report, Russell Power Station, July 1988, RGE Report No. B-07-318

Rochester Gas & Electric Corporation, Fish Impingement Program, 1984 Through 1988 Analysis Report, Russell Power Station, September 1989, RGE Report No. B-07-354

Rochester Gas & Electric Corporation, Fish Impingement Program, 1985 Through 1989 Analysis Report, Russell Power Station, September 1990, RGE Report No. B-07-358

Rochester Gas and Electric Corporation, Fish Impingement Program, 1986 through 1992 Analysis Report, Russell Power Station, December 1991, RGE Report No. B-07-362

Rochester Gas & Electric Corporation, Fish Impingement Program, 1987 Through 1991 Analysis Report, Russell Power Station, October 1992, RGE Report No. B-07-366

Rochester Gas & Electric Corporation, Fish Impingement Program, 1988 Through 1992 Analysis Report, Russell Power Station, August 1993, RGE Report No. B-07-381

Rochester Gas & Electric Corporation, Fish Impingement Program, 1989 Through 1992 Analysis Report, Russell Power Station, December 1993, RGE Report No. B-07-374

Rochester Gas & Electric Corporation, Fish Impingement Program, 1984 Through 1992 Analysis Report, Russell Power Station, September 2000, RGE Report No. B-07-378

Rochester Gas & Electric Corporation, Fish Impingement Program, 1986 Through 2002 Analysis Report, Russell Power Station, July 2001, RGE Report No. B-07-102

Rochester Gas & Electric Corporation, Fish Impingement Program, 1986 Through 2001 Analysis Report, Russell Power Station, July 2002, RGE Report No. B-07-100

Rochester Gas & Electric Corporation, Fish Impingement Program, 1986 Through 2002 Analysis Report, Russell Power Station, July 2003, RGE Report No. B-07-104

Page 1 of 4

### ROCHESTER EMBAYMENT RELATED ENVIRONMENTAL REPORTS

Rochester Gas & Electric Corporation, Fish Impingement Program, 1989 Through 2002 Analysis Report, Russell Power Station, July 2004, RGE Report No. B-07-306

Rochester Gas & Electric Corporation, Fish Impingement Program, 2000 Through 2004 Analysis Report, Russell Power Station, July 2005, RGE Report No. B-07-307

Rochester Gas & Electric Corporation, Fish Impingement Program, 2001 Through 2002 Analysis Report, Russell Power Station, July 2006, RGE Report No. B-07-308

Rochester Gas & Electric Corporation, Fish Impingement Program, 2002 Through 2002 Analysis Report, Russell Power Station, July 2007, RGE Report No. B-07-400

#### THEMAL IMPACT ANALYSIS REPORTS

Russell Station (Station 7), Rochester Gas and Electric Corporation 310(A) Demonstration, NYSER, Permit No. DR B2 2 000102 (NY 000012), August 1977, RGE Report No. B-07-008

Lake Ontario Daily Ambient Water Temperatures, as Measured via Russell Station Heat Water, 1978 - 2006 (Contained and Assessed through Impingement Reports Listed Above)

#### — WATER QUALITY INFORMATION

#### INTRODUCTION:

Water Quality information compiled for this informational data resource consist of two worksheets collected by the Monroe County SW Department of Health, and presented within spreadsheet (.xls) files. Sample collection locations and a key to abbreviations used in each spreadsheet is included within the spreadsheet. Each of the dataset files identified below contain a link to the appropriate spreadsheet file.

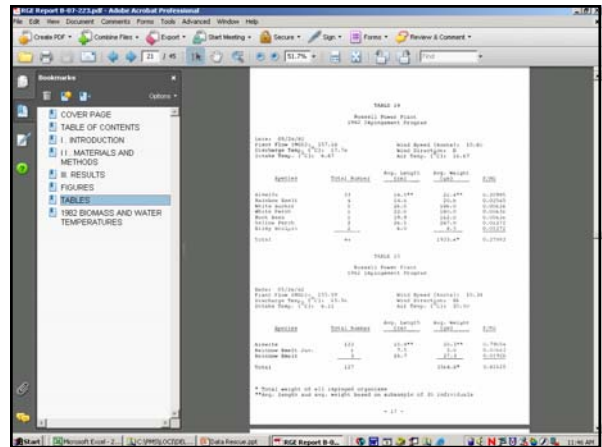
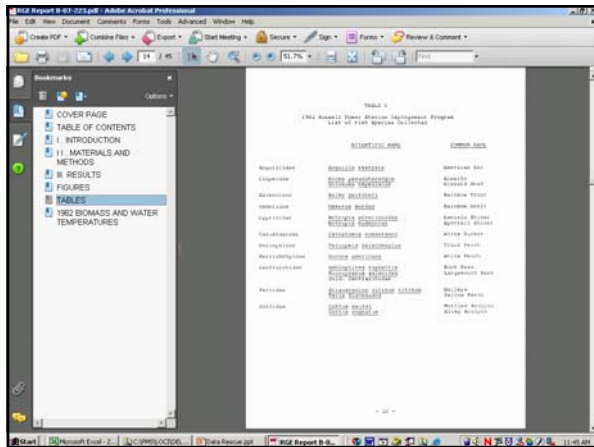
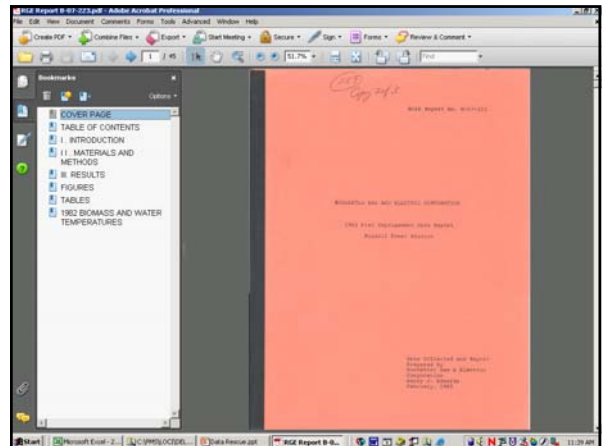
1984 THROUGH 2005 IRONDEQUOIT BAY MONITORING

1998 THROUGH 2006 LAKE ONTARIO NEARSHORE MONITORING

Page 1 of 4

**Expectations:**

- RGE = Scanned, text-searchable (OCR) reports and data tables
- County = Excel spreadsheets



**Ideal Information Development:**

- Periodic Updates with More Usable Information
  - Spreadsheets
  - Analyses

**Future Efforts:**

- Sterling Site
- Genesee River
- Ginna
- RAP data

**Environmental  
Data In Crisis:  
Our Grey and  
Graying  
Literature**



**Data Rescue  
for  
Aging Databases**

## **Current LOCI Project Information Location**

[www.gflrpc.org/DataRescue.htm](http://www.gflrpc.org/DataRescue.htm)