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Surface Water Quality Monitoring Procedures, Volume 2:

Methods for Collecting and Analyzing Biological Assemblage and Habitat Data

Monitoring Operations Division

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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Prepared by
Surface Water Quality Monitoring Program
Monitoring Operations Division
Texas Commission on Environmental Quality

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Contents

Chapter **Page**

1 Introduction

Purpose 1-1
Biological Assessments 1-1
How SWQM Procedures Are Used 1-2
Legal Authority 1-2
Contact Information 1-2
Getting Resources 1-2

2 Biological Monitoring Requirements

Index Period 2-1
Site Representativeness 2-2
Site Reconnaissance 2-2
Sampling Conditions 2-2
Other Monitoring Requirements 2-3
Documentation and Field Notes 2-3
Latitude and Longitude 2-3
Non-biological Parameters 2-4
Monitoring Categories for Wadeable Freshwater Streams 2-4
Aquatic Life Monitoring 2-4
Ecoregion ALM 2-4
Aquatic Life Assessment 2-5
Receiving Water Assessments 2-6
Use Attainability Analysis 2-7
Large River Monitoring and Assessment 2-7
Lakes and Reservoir Monitoring and Assessment 2-8
Saltwater Biological Monitoring Categories 2-9
Tidal Streams and Estuaries 2-9
Sampling Index Period 2-9

3 Freshwater Fish

Objective 3-1
Scientific Collection Permit 3-1
Records 3-1
Sample Collection 3-2
Electrofishing 3-2
Collection Procedures 3-2
Seine 3-4
Collection Method 3-4
Sample Preservation and Processing 3-4
Field Processing 3-4
Use of Digital Photos as Fish Vouchers 3-5
Field Preservation 3-7
Labeling a Field Sample 3-7
Laboratory Processing 3-8
Identification of Fish Assemblage Samples 3-8
Sample Tracking Log 3-8
Laboratory Sample Processing 3-8
Sorting and Identification 3-8
Voucher Specimens 3-9
Data Evaluation 3-9
Collection and Assessment Methods for Large Rivers 3-10
Collection and Assessment Methods for Lakes and Reservoirs 3-11

Chapter **Page**

4 Saltwater Nekton

Disclaimer 4-1
Objective 4-1
Scientific Collection Permit 4-1
Records 4-1
Sample Collection 4-2
Collection Procedures 4-2
Fish Collection in Tidal Streams and Bayous 4-2
Sample Preservation and Processing 4-4
Field Processing 4-4
Use of Digital Photos as Fish Vouchers 4-5
Field Preservation 4-5
Container Label 4-5
Laboratory Processing 4-5
Identification of Fish Assemblage Samples 4-5
Sample Tracking Log 4-6
Laboratory Sample Processing 4-6
Sorting and Identification 4-6
Voucher Specimens 4-7
Field Notes 4-7
Data Evaluation 4-7

5 Freshwater Macroinvertebrates

Objective 5-1
Scientific Collection Permit 5-1
Overview of Sample Collection Methods 5-1
Equipment 5-2
Records 5-2
Wadeable Streams and Rivers 5-2
Where to Collect Samples 5-2
Riffles 5-3
Runs and Glides 5-3
Pools 5-4
Rapid Bioassessment Protocols 5-4
RBP Kicknet Sample Collection Procedures 5-4
RBP Snag Sample Collection Procedures 5-5
Benthic Macroinvertebrate Sample Preservation Procedures for RBP Samples 5-6
Sample Processing Procedures for RBP Kicknet or Snag Samples 5-7
Voucher Specimens 5-9
Data Evaluation Procedures for RBP Kicknet or RBP Snag Samples 5-10
Surber Sampler Protocols 5-12
Sample Collection Procedures 5-12
Laboratory Procedures for Identification of Specimens Collected Using a Surber Sampler or Quantitative Snag Samples 5-15
Voucher Specimens 5-15
Data Evaluation Procedures for Surber Samples 5-15
Pool, Reservoir, or Lake: Ekman, Ponar, Petersen, or Van Veen Dredge Sample Protocols 5-17
Sample Collection Procedures 5-17
Laboratory Procedures for Identification of Specimens Collected in Pools or Reservoirs using Ekman, Ponar, or Van Veen Dredge 5-19
Records 5-19
Voucher Specimens 5-19

Chapter **Page**

6 Saltwater Benthic Macroinvertebrates

Disclaimer 6-1
Objective 6-1
Scientific Collection Permit 6-1
Sample Site Selection 6-1
Sampling Procedure 6-1
Sample Washing 6-2
Narcotizing Sample 6-2
Preserving in the Field 6-2
Labeling the Sample Container 6-3
Preserving in the Lab 6-3
Sorting in the Lab 6-3
Laboratory Procedures for Identification of Specimens 6-4
Records 6-4
Voucher Specimens 6-5
Tidal Streams 6-5

7 Benthic Algae and Aquatic Macrophytes

Disclaimer 7-1
Objective 7-1
Overview of Benthic Algal Sample Collection Methods 7-1
Equipment 7-1
Records 7-1
Wadeable Streams and Rivers 7-2
Benthic Algal Qualitative Sample Collection Procedures 7-2
Benthic Algal Sample Preservation 7-2
Labeling the Container 7-3
Field Notes 7-3
Laboratory Procedures for Qualitative Benthic Algal Sample Processing and Identification 7-3
Microscopic Taxonomic Analysis of Non-Diatom Samples 7-3
Microscopic Taxonomic Analysis of Diatom Samples 7-4
Benthic Algal Data Evaluation for Qualitative Samples 7-5
Benthic Algal Quantitative Sample Collection Procedures 7-7
Quantitative Sample Collection Procedure in Streams with Bedrock or Cobble Substrate 7-8
Quantitative Sample Collection in Streams with Clay, Silt, or Sandy Substrates, or Non-Wadeable Streams 7-9
Laboratory Procedures for Quantitative Benthic Algal Sample Processing and Identification 7-10
Benthic Algal Data Evaluation for Quantitative Samples 7-11
Aquatic Macrophytes 7-11

8 Plankton

Disclaimer 8-1
Non-Wadeable Streams, Rivers, Lakes, Reservoirs, and Bays 8-1
Netplankton Collection Method 8-1
Low Abundance 8-1
High Abundance 8-1
Sample Processing 8-2
Sample Preservation 8-2
Labeling Sample Containers 8-2
Sample Storage 8-2
Nannoplankton Collection Method 8-2
Sample Preservation 8-3
Labeling Sample Containers 8-3
Sample Storage 8-3

Chapter **Page**

9 Physical Habitat of Aquatic Systems

Objective 9-1
Habitat Assessment Forms 9-1
Habitat Assessment Requirements for Biological Assessments 9-1
Aquatic Life Monitoring, Aquatic Life Assessments, and Use Attainability Analyses 9-1
Habitat Assessment Requirements for UAA, ALA, and ALM Monitoring During Second Event in an Index Period 9-2
Receiving Water Assessments 9-2
Reach Length Determinations 9-2
Wadeable Streams 9-2
Non-Wadeable Streams 9-2
Transect Placement 9-3
Wadeable Streams 9-4
Non-Wadeable Streams 9-4
Low-Flow or Dry Conditions 9-4
Part I—Stream Physical Characteristics Worksheet 9-4
Primary Attributes—Instream Channel Characteristics 9-4
Secondary Attributes—Stream Morphology 9-6
Tertiary Attributes—The Riparian Environment 9-8
Part II—Summary of Physical Characteristics of Water Body 9-12
Streambed Slope (72051) 9-13
Drainage Area (89859) 9-13
Stream Order (84161) 9-13
Length of Stream Evaluated (89860) 9-14
Number of Lateral Transects Made (89832) 9-14
Average Stream Width (89861) 9-15
Average Stream Depth (89862) 9-15
Instantaneous Stream Flow (00061) 9-15
Flow Measurement Method (89835) 9-15
Channel Flow Status (89848) 9-15
Maximum Pool Width (89864) 9-15
Maximum Pool Depth (89865) 9-15
Total Number of Bends (89839) 9-15
Total Number of Riffles (89843) 9-15
Dominant Substrate Type (89844) 9-15
Average Percent of Substrate Gravel-size or Larger (89845) 9-15
Average Percent Instream Cover (84159) 9-16
Average Percent Stream Bank Erosion (89846) 9-16
Average Stream Bank Angle (89847) 9-16
Average Width of Natural Buffer Vegetation (89866) 9-16
Average Riparian Vegetation Percent Composition 9-16
Average Percent Tree Canopy Coverage (89854) 9-16
Overall Aesthetic Appraisal of the Stream (89867) 9-16
Part III—Habitat Quality Index 9-16
Assessing the Habitat of Lakes and Reservoirs 9-17
Assessing the Habitat of Tidal Streams and Estuaries 9-17

10 Biological Assessment Reporting Requirements

Biological Data Reporting 10-1

11 Quality Assurance and Quality Control

Self-Audit Reports 11-1
Technical Systems Audits 11-1
Biological Sample Records 11-1

Chapter **Page**

11 (continued)

Training 11-2
Approval of Deviation of Methods 11-2
Sample Tracking Procedures 11-2
General Quality Assurance 11-3
Vouchers 11-3
Identification Re-checks 11-4
Desktop QA 11-4
Fish 11-4
Identification of Fish Assemblage Samples 11-4
Retention and Preservation of Fishes 11-4
Equipment Requirements 11-5
Taxonomic Keys 11-5
Benthic Macroinvertebrates 11-6
Equipment Requirements 11-6
Taxonomic Keys 11-6
Benthic Algae and Plankton 11-7
Equipment Requirements 11-7
Taxonomic Keys 11-7
Aquatic Macrophytes 11-8
Taxonomic Keys 11-8

12 Biological Data Management

Data Handling 12-1
Contracting and Institutional Standards 12-1
Submitting Biological Data 12-1

Literature Cited L-1

Appendices

Appendix A List of Field Equipment and Materials A-1
Appendix B Biological Assessment Reference Materials and Criteria B-1
Appendix C Forms For Biological Monitoring Packets C-1
Appendix D Misc Forms D-1
Appendix E Biological Fact Sheets E-1
Appendix F Glossary. F-1

List of Figures **Page**

Figure 2-1 Index Period 2-2
Figure 9-1 Transect Placement 9-3
Figure 9-2 Stream Morphology 9-6
Figure 9-3 Stream Bends 9-7
Figure 9-4 Bank Angle Measurements 9-10
Figure 9-5 Densiometer Diagram 9-11
Figure 9-6 Stream Slope 9-13
Figure 9-7 Stream Order 9-14
Figure B-1 Ecoregion 24 Species Richness B-3
Figure B-2 Ecoregions 25 and 26 Species Richness B-4
Figure B-3 Ecoregions 27, 29, and 32 Species Richness B-5
Figure B-4 Ecoregion 30 Species Richness B-6
Figure B-5 Ecoregion 31 Species Richness B-7
Figure B-6 Ecoregions 33 and 35 Species Richness B-8
Figure B-7 Ecoregion 34 Species Richness B-9

List of Figures (continued) Page

Figure B-8 Example of Existing 3.6 MGD Discharge to Intermittent and Perennial Stream B-28
Figure B-9 Example of Proposed 3.6 MGD Discharge to Intermittent and Perennial Stream B-29
Figure B-10 Macrobenthic Bioregions (North, Central, East) and Ecoregions of Texas B-30

List of Tables

Table 3-1 Guidelines for Photographing the Appropriate View of Fish Specimens 3-7
Table 10-1 Summary of Data Requirements for Biological Assessments 10-1
Table B-1 Estimated Downstream Distance of Domestic Discharge Impact on Dissolved Oxygen B-1
Table B-2 Dissolved Oxygen Criteria as specified in 30 TAC §307.7(b)(3)(A)(I) of the Texas Surface Water Quality Standards (TNRCC, 1997) B-2
Table B-3 Ecoregion 24 Metrics B-3
Table B-4 Ecoregions 25 and 26 Metrics B-4
Table B-5 Ecoregions 27, 29, and 32 Metrics B-5
Table B-6 Ecoregion 30 Metrics B-6
Table B-7 Ecoregion 31 Metrics B-7
Table B-8 Ecoregions 33 and 35 Metrics B-8
Table B-9 Ecoregion 34 Metrics B-9
Table B-10 Classification of Texas Freshwater Fishes into Trophic and Tolerance Groups B-10
Table B-11 Metrics and Scoring Criteria for Kick Samples, Rapid Bioassessment Protocol— Benthic Macroinvertebrates. B-17
Table B-12 Metrics and Scoring Criteria for Surber Samples—Benthic Macroinvertebrates B-18
Table B-13 Tolerance Values and Functional Group Classification for Benthic Macroinvertebrates B-19

LIST OF ABBREVIATIONS USED

AFDM	ash-free dry mass	mm^2	square millimeters
AI	autotrophic index	ms	millisecond
ALA	aquatic life assessment	QA	quality assurance
ALM	aquatic life monitoring	QC	quality control
ALU	aquatic life use	QAPP	quality assurance project plan
BIBI	benthic index of biotic integrity	P	predator
$CBOD_5$	chemical biochemical oxygen demand, 5-day	PCSI	percent community similarity index
cm	centimeter	POM	particulate organic matter
CONUS	continental United States	PTI	pollution tolerance index
cfs or ft^3/s	cubic feet per second	RBP	rapid bioassessment protocol
CPOM	coarse particulate organic matter	RWA	receiving water assessment
CRP	Clean Rivers Program	SCP	scientific collection permit
CWA	Clean Water Act	SCR	scraper
DMRG	Data Management Reference Guide	SLOC	station location
DO	dissolved oxygen	7Q2	seven-day, two-year low-flow
EPT	Ephemeroptera-Plecoptera-Trichoptera	SHR	shredder
FC	filterer-collector	SWQM	surface water quality monitoring
FFG	functional feeding groups	TAC	Texas Administrative Code
FPOM	fine particulate organic matter	TCEQ	Texas Commission on Environmental Quality
ft^3/s	cubic feet per second	TMDL	total maximum daily load
CG	collector-gatherer	TNRCC	Texas Natural Resource Conservation Commission
g	gram	TPWD	Texas Parks and Wildlife Department
GPS	global positioning system	TPDES	Texas Pollution Discharge Elimination System
HBI	Hilsenhoff biotic index	TSA	technical systems audit
HQI	habitat quality index	TSWQS	Texas Surface Water Quality Standards
Hz	hertz	USEPA	United States Environmental Protection Agency
IBI	index of biotic integrity	UAA	use attainability analysis
km	kilometer	USGS	United States Geological Survey
m	meter	WQST	Water Quality Standards Team
MGD	million gallons per day	WWTP	wastewater treatment plant
µm	micrometer		
µS/cm	microSiemens per centimeter		
mL	milliliter		
$MgCl_2$	magnesium chloride		
mm	millimeter		