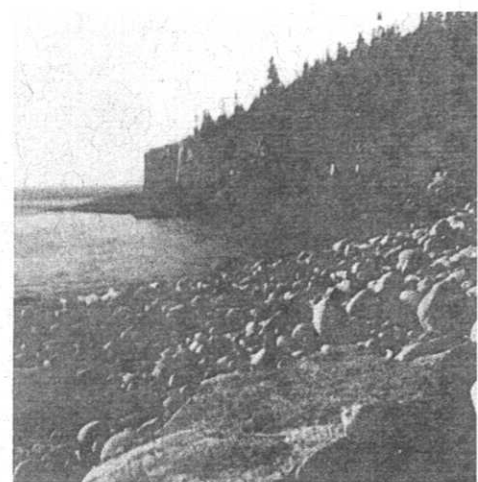


A N N U A L R E P O R T

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GULF OF MAINE COUNCIL
ON THE MARINE ENVIRONMENT



T H E G U L F O F M A I N E C O U N C I L

THE GULF OF MAINE EXTENDS FROM THE NORTHERN REACHES OF THE BAY OF FUNDY TO THE WATERS OF CAPE COD BAY. BECAUSE OF GEORGES BANK, WHERE IN SOME PLACES WATER DEPTH IS LESS THAN TWENTY FEET, THE GULF OF MAINE IS NEARLY AN ENCLOSED SEA.

ONE OF THE WORLD'S MOST BIOLOGICALLY PRODUCTIVE MARINE ENVIRONMENTS, THE GULF IS HOST TO OVER 200 SPECIES OF FISH AND SHELLFISH. OVER 3 MILLION PEOPLE LIVE IN THE 24 US AND CANADIAN COUNTIES THAT BORDER THE GULF OF MAINE.

RECOGNIZING THE GULF AS A UNIQUE AND PRECIOUS ECOSYSTEM THAT TRANSCENDS ALL POLITICAL BOUNDARIES, THE GOVERNORS AND PREMIERS OF MASSACHUSETTS, NEW HAMPSHIRE, MAINE, NEW BRUNSWICK AND NOVA SCOTIA SIGNED IN 1989 THE AGREEMENT ON CONSERVATION OF THE MARINE ENVIRONMENT OF THE GULF OF MAINE, THUS CREATING THE GULF OF MAINE COUNCIL ON THE MARINE ENVIRONMENT. THE COUNCIL'S MANDATE CALLS FOR ATTENTION TO THESE AREAS:

- THE PROTECTION AND CONSERVATION OF THE ECOLOGICAL BALANCE WITHIN THE GULF OF MAINE ECOSYSTEM.
- THE PROBLEM OF MARINE DEBRIS AND MEDICAL WASTE.
- THE RELATIONSHIP BETWEEN LAND USE AND THE MARINE ENVIRONMENT.
- THE SUSTAINABLE USE OF RESOURCES WITHIN THE GULF OF MAINE.
- COOPERATIVE PROGRAMS TO BETTER PRO-

TECT AND CONSERVE THE GULF'S NATURAL RESOURCES.

THE COUNCIL IS NOT A REGULATORY BODY; IT HAS NO INDEPENDENT AUTHORITY. THE COUNCIL'S TWO OBJECTIVES ARE TO ENCOURAGE THE COORDINATION OF EXISTING PROGRAMS AND TO OVERSEE JOINT COLLABORATIVE EFFORTS.

IN MEETING THESE OBJECTIVES, THE COUNCIL PROVIDES A UNIQUE FORUM THROUGH WHICH STATE, PROVINCIAL, AND FEDERAL OFFICIALS CAN MEET ON A REGULAR BASIS TO DISCUSS REGIONAL ENVIRONMENTAL ISSUES OF COMMON CONCERN.

MEETING SEMI-ANNUALLY, THE GULF OF MAINE COUNCIL IS COMPRISED OF TWO GOVERNMENTAL AND ONE NONGOVERNMENTAL REPRESENTATIVES FROM EACH OF THE FIVE STATES AND PROVINCES. THE GULF OF MAINE WORKING GROUP MEETS QUARTERLY AND IS COMPRISED OF STATE, PROVINCIAL AND US AND CANADIAN FEDERAL MEMBERS. CURRENTLY THERE ARE FOUR COMMITTEES WHICH MEET ON A PERIODIC BASIS: DATA AND INFORMATION MANAGEMENT, HABITAT, MONITORING, AND PUBLIC EDUCATION AND PARTICIPATION. ■





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LETTER FROM THE CHAIRPERSON

ANNUAL REPORT

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IT HAS BEEN MY PLEASURE TO SERVE AS CHAIRPERSON FOR THE GULF OF MAINE COUNCIL ON THE MARINE ENVIRONMENT. HAVING WORKED ON MARINE ISSUES FROM BOTH THE LOCAL AND THE NATIONAL LEVEL, I SEE THE COUNCIL AS A UNIQUE OPPORTUNITY TO WORK COLLECTIVELY TO PROTECT A PRECIOUS RESOURCE. THE SUCCESS OF THE GULF OF MAINE COUNCIL DEMONSTRATES THE GREAT POTENTIAL OF REGIONAL INITIATIVES.

SINCE THE EARTH SUMMIT IN RIO JUNE, 1992, THERE HAS BEEN MUCH DISCUSSION OF TRANS-BOUNDARY ENVIRONMENTAL MANAGEMENT AND SUSTAINABLE DEVELOPMENT. SEVERAL IMPORTANT INTERNATIONAL AGREEMENTS CAME OUT OF RIO, BUT THE EARTH SUMMIT WILL HAVE FAILED IF IT IS REMEMBERED SOLELY FOR THESE WORTHY ACCOMPLISHMENTS. THE EARTH SUMMIT SHOULD INSTEAD BE VIEWED AS A BEGINNING—A POINT OF DEPARTURE ON THIS PATH TOWARDS GLOBAL ENVIRONMENTALISM. THE PURPOSE OF THE RIO SUMMIT WAS TO ABANDON FALSE DICHOTOMIES—DOMESTIC VS. INTERNATIONAL, OR ECONOMIC VS. ENVIRONMENTAL—TO FORGE A NEW, HOLISTIC PARADIGM FOR THE 21ST CENTURY.

TOO OFTEN NEW CONCEPTS REMAIN MIRED IN THE ESOTERIC: "GLOBAL ENVIRONMENTALISM," "REGIONALISM," AND "SUSTAINABLE DEVELOPMENT" ARE EASY TO SAY, BUT WHAT DO THEY MEAN? AS ONE MASSACHUSETTS POLITICIAN ONCE STATED, "ALL POLITICS ARE LOCAL." SO TOO ARE OUR ENVIRONMENTAL CONCERNS. THE CHALLENGE BEFORE US IS TO CHANGE ATTITUDES AND CREATE INFRASTRUCTURES THAT WILL ALLOW THE GLOBAL PERSPECTIVE AND THE REALM OF DAY-TO-DAY POLICY DECISIONS TO MUTUALLY INFORM ONE ANOTHER.

UNFORTUNATELY, THIS ROAD TOWARDS GLOBAL OR EVEN REGIONAL ENVIRONMENTAL MANAGEMENT IS SELDOM SMOOTH AND LARGELY UNCHARTED.

AS THE FORMER DIRECTOR OF SOUTHERN NEW ENGLAND'S LARGEST CITIZENS ENVIRONMENTAL ORGANIZATION, I UNDERSTAND THE COMPLEXITIES OF TAKING LOCAL ENVIRONMENTAL CONCERNS AND BROADENING THEM TO INCLUDE THE BIG PICTURE. BUT WE MUST REALIZE THAT WE ARE ALL PART OF SYSTEMS WHERE LOCAL AND REGIONAL IMPACTS AND RAMIFICATIONS ARE INTRINSICALLY LINKED. IN THE CONTEXT OF ECOSYSTEMS, THE PLATITUDE OF "THINK GLOBALLY, ACT LOCALLY" TAKES ON A NEW AND VITALLY IMPORTANT MEANING: CLEANING UP TOXIC DISCHARGES IN ONE WATERBODY MAY DO LITTLE IF NON-POINT SOURCE POLLUTION FROM ROAD RUN-OFF AND FAILING SEPTIC TANKS MILES AWAY CONTINUE TO INVADGE THE SYSTEM; PROTECTING ONE ENDANGERED SPECIES MAY NOT BE EFFECTIVE WITHOUT ATTENTION TO THE ENTIRE HABITAT. LIKE THE MEDICAL COMMUNITY, ENVIRONMENTAL MANAGERS ARE REALIZING THE NECESSITY FOR A COMPREHENSIVE, HOLISTIC APPROACH.

BECAUSE THE CONCEPTS OF REGIONALISM AND SUSTAINABLE DEVELOPMENT ARE SO NEW, THEY

PERHAPS RAISE MANY MORE QUESTIONS THAN THEY ANSWER: WHAT DOES SUSTAINABLE DEVELOPMENT MEAN? HOW DO YOU BALANCE LONG TERM SUSTAINABILITY WITH SHORT TERM POLITICAL AND POLICY EXIGENCIES? HOW CAN LOCAL PRIORITIES BE RECONCILED WITH THE GLOBAL PERSPECTIVE? HOW DO WE ADDRESS ISSUES OF SOVEREIGNTY WHEN LOCAL IMPACTS MAY HAVE REGIONAL IMPLICATIONS?

THESE AND OTHER QUESTIONS WILL CONTINUE TO CHALLENGE US AS WE WORK TOWARDS COMPREHENSIVE REGIONAL AND GLOBAL ENVIRONMENTAL MANAGEMENT. AS WE STRUGGLE ALONG THIS ROAD, HOWEVER, WE SHOULD STOP TO REFLECT ON SUCCESSES LIKE THE GULF OF MAINE COUNCIL. WORKING REGIONALLY TO MAKE DIRECT LOCAL IMPACTS, THE COUNCIL IS ONE EXAMPLE OF THE POWER AND THE REWARD OF REGIONAL COOPERATION.

AS YOU READ THIS ANNUAL REPORT, I INVITE YOU TO STOP AND REFLECT ON HOW A REGIONAL PERSPECTIVE MAY INFORM YOUR DAILY LIFE. I THEN ENCOURAGE YOU TO INCORPORATE YOUR REFLECTIONS INTO ACTIONS, SO THAT WE MAY ALL WORK TOWARDS A CLEAN AND VIBRANT GULF OF MAINE.

THANK YOU.



TRUDY COXE



GULF OF MAINE

COUNCIL ON THE

MARINE

ENVIRONMENT

MONTHLY HIGHLIGHTS 1992

JULY

- COUNCIL MEETING IN SAINT JOHN, NEW BRUNSWICK. COUNCIL EXPANDED TO INCLUDE ONE NON-GOVERNMENTAL MEMBER FROM EACH STATE AND PROVINCE. COUNCIL ADOPTS RESOLUTION TO PROHIBIT NEW COMBINED SEWER OVERFLOWS. MASSACHUSETTS ASSUMES THE SECRETARIAT.
- PORTLAND MARINE DEBRIS STRATEGY DEVELOPMENT INITIATED.

AUGUST

- MUSSELS DEPLOYED IN TWELVE SITES THROUGHOUT THE GULF IN THE SECOND YEAR OF THE GULFWATCH PROGRAM.
- NEW HAMPSHIRE'S GREAT BAY NATIONAL WILDLIFE REFUGE TRANSFERRED FROM THE AIR FORCE TO THE DEPARTMENT OF THE INTERIOR.
- PRSCATAQUA RIVER EQUIPMENT DEPLOYMENT EXERCISE FOR OIL SPILL RESPONSE HELD IN PORTSMOUTH, NEW HAMPSHIRE.

SEPTEMBER

- MONITORING COMMITTEE MEETS IN SAINT ANDREWS, NEW BRUNSWICK. GULFWATCH REPORT FINALIZED.

OCTOBER

- PUBLIC EDUCATION AND PARTICIPATION COMMITTEE MEETS IN PORTLAND, MAINE. STATE OF THE GULF REPORTING DISCUSSED.
- HABITAT WORKSHOP IN SAINT ANDREWS, NEW BRUNSWICK.
- WORKING GROUP MEETS IN PORTLAND, MAINE. APPROVAL OF PRIORITY HABITAT PROGRAM. USER NEEDS ANALYSIS, DATABASE DIRECTORY, AND ENVIRONMENTAL DATA AND INFORMATION MANAGEMENT SYSTEM (EDIMS) UNVEILED.
- PORTLAND MARINE DEBRIS PROJECT STARTED.
- CANUSLANT OIL SPILL DRILL HELD.

NOVEMBER

- TURNING THE TIDE, VOL 4, NO.4 PUBLISHED.
- DATA AND INFORMATION MANAGEMENT COMMITTEE MEETS IN BOSTON, MASSACHUSETTS. FURTHER DEVELOPMENT OF EDIMS PROTOTYPE DISCUSSED.
- FIRST GULF OF MAINE PERSONNEL EXCHANGE BETWEEN MAINE AND NEW BRUNSWICK ON GUIDELINES REGARDING THE DIGGING OF PITS AND QUARRIES.
- MASSACHUSETTS COASTAL ZONE MANAGEMENT ANNOUNCES TWO KEY FEDERAL CONSISTENCY DECISIONS REGARDING PROPOSED FAN PIER FEDERAL COURT HOUSE AND MASSACHUSETTS BAY DISPOSAL SITE.
- MAINE INITIATES DAMARISCOTTA RIVER ESTUARY PROJECT.
- STELLWAGEN BANK IN SOUTHWEST GULF OF MAINE OFF OF MASSACHUSETTS IS DESIGNATED A NATIONAL MARINE SANCTUARY.

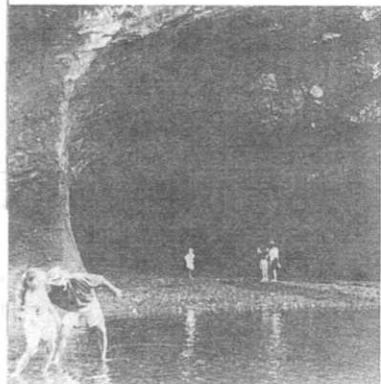
DECEMBER

- COUNCIL AND WORKING GROUP MEET IN BOSTON, MASSACHUSETTS. COUNCIL ENDORSES STRATEGY FOR FUNDRAISING AND WELCOMES NEW COUNCIL MEMBERS. ACTION PLAN RE-EVALUATION CONSIDERED.
- PORTLAND MARINE DEBRIS COUNCIL FORMED.
- NEW BRUNSWICK ANNOUNCES FIVE NEW ECOLOGICAL RESERVES.
- 1991 GULFWATCH REPORT RELEASED.
- PROCEEDINGS FROM 1991 GULF OF MAINE SCIENTIFIC WORKSHOP PUBLISHED.

GULF OF MAINE WORKSHOPS:

BRINGING PROFESSIONALS TOGETHER

WORKSHOPS PROVIDE A UNIQUE OPPORTUNITY FOR PROFESSIONALS FROM AROUND THE GULF OF MAINE REGION TO SHARE IDEAS AND EXPERIENCES. BY BRINGING THE DIVERSE PERSPECTIVES TOGETHER, GULF OF MAINE WORKSHOPS PROVIDE CREATIVE SOLUTIONS TO REGIONAL CHALLENGES. IN 1992 — 1993, THE COUNCIL CONVENED FOUR WORKSHOPS: PRIORITY HABITATS, STRATEGIC ENVIRONMENTAL ASSESSMENT, AQUACULTURE, AND SHELLFISH. EACH WORKSHOP CONCLUDED WITH AGREEMENTS FOR ACTION OR PROPOSALS FOR NEW POLICY INITIATIVES. THE SHELLFISH HABITAT RESTORATION WORKSHOP, FOR EXAMPLE, CONCLUDED WITH A SET OF FOURTEEN RECOMMENDATIONS WHICH THE COUNCIL ENDORSED AT ITS JULY MEETING. IN THE COMING YEAR, THE COUNCIL WILL ONCE AGAIN BRING PROFESSIONALS FROM AROUND THE REGION TOGETHER BY SPONSORING OR CO-SPONSORING WORKSHOPS ON SUCH TOPICS AS INFORMATION MANAGEMENT, OCEAN DUMPING, COASTAL ZONE MANAGEMENT, AND NON-POINT SOURCE POLLUTION.



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JANUARY

- COUNCIL SIGNS DOCUMENTS FOR TAX-EXEMPT STATUS.
- US-CANADIAN STRATEGIC ENVIRONMENTAL ASSESSMENT WORKSHOP HELD IN HALIFAX, NOVA SCOTIA. PLANS FOR US-CANADIAN COLLABORATIVE VENTURE DISCUSSED.
- MAINE AND NEW HAMPSHIRE SEA GRANT MARINE ADVISORY PROGRAM RELEASES VOLUNTEER WATER QUALITY MONITORS HANDBOOK.

FEBRUARY

- GULF OF MAINE PARTNERSHIP WORKSHOP HELD IN PORTLAND, MAINE. PRESENTATIONS ON OTHER REGIONAL ORGANIZATIONS AND IDENTIFICATION OF CHALLENGES OF REGIONAL COOPERATION.
- AQUACULTURE AND ENVIRONMENT INTERACTION WORKSHOP HELD IN SAINT ANDREWS, NEW BRUNSWICK.
- GULF OF MAINE WATERSHED MAP REPRINTED.
- GULF OF MAINE US CONGRESSIONAL BRIEFING HELD IN WASHINGTON, DC.
- ENVIRONMENT CANADA REPRESENTATIVE GIVES PRESENTATION ON GULF OF MAINE ACTION PLAN IN HANOI, VIETNAM.
- GULF OF MAINE WRITTEN AND TELEPHONE SURVEY PUBLISHED.

MARCH

- WORKING GROUP MEETS IN HALIFAX, NOVA SCOTIA. ACTION PLAN RE-EVALUATION PROCESS APPROVED.
- TURNING THE TIDE, VOL. 5, NO. 1 PUBLISHED.
- GULF OF MAINE WORKSHOP HELD AT TUFTS UNIVERSITY NEW ENGLAND ENVIRONMENTAL NETWORK IN MEDFORD, MASSACHUSETTS.
- MAINE SUSTAINABLE DEVELOPMENT CONFERENCE HELD IN BRUNSWICK.
- MASSACHUSETTS BAYS SYMPOSIUM HELD IN BOSTON, MASSACHUSETTS.
- GULF OF MAINE COUNCIL PARTICIPATES IN BOSTON INTERNATIONAL SEAFOOD SHOW.
- CANADIAN ATLANTIC COASTAL ACTION PROGRAM (ACAP) COMPLETES COMMUNITY VISION STATEMENTS FOR SEVERAL SITES WHICH SETS THE GOALS AND OBJECTIVES FOR THEIR LOCAL ENVIRONMENTAL MANAGEMENT PLANS.
- DATA AND INFORMATION MANAGEMENT COMMITTEE MEETS IN CONJUNCTION WITH FEDERAL/PROVINCIAL ATLANTIC (CANADA) COASTAL ZONE INFORMATION STEERING COMMITTEE IN HALIFAX, NOVA SCOTIA.

APRIL

- CONFERENCE ON VISION FOR COOPERATION BETWEEN PUBLIC AND PRIVATE SECTORS IN PENOBSCOTT BAY HELD IN SEARSPORT, MAINE.
- CITIZEN BASED WATER QUALITY MONITORING INITIATED IN A NUMBER OF ACAP SITES INCLUDING THE ANNAPOLIS, SAINT JOHN AND SAINT CROIX ESTUARIES.
- MONITORING COMMITTEE MEETS IN HALIFAX, NOVA SCOTIA. LONG RANGE MONITORING PLAN DEVELOPED.

MAY

- COLLABORATION OF COMMUNITY FOUNDATIONS HOLDS SECOND GULF-WIDE FORUM.
- ANNUAL MEETING OF NEW ENGLAND GOVERNORS AND EASTERN CANADIAN PREMIERS HELD IN STOWE, VERMONT. RESOLUTION ENDORSING THE GULF OF MAINE COUNCIL AND DIRECTING THE COUNCIL TO DRAFT NEW PROTOCOLS FOR SIGNATURE BY THE GOVERNORS AND PREMIERS.

JUNE

- FIRST GULF OF MAINE FACT SHEET DRAFTED.
- SHELLFISH HABITAT RESTORATION WORKSHOP IN SAINT ANDREWS, NEW BRUNSWICK. FOURTEEN RECOMMENDATIONS FOR RESTORING SHELLFISH HABITAT ARE PRODUCED.
- STELLWAGEN BANK NATIONAL MARINE SANCTUARY DEDICATION CEREMONIES IN PLYMOUTH, MASSACHUSETTS.
- NATURAL AREAS CONFERENCE HELD IN ORONO, MAINE.
- "OCEANS DAY" CELEBRATED IN HALIFAX/DARTMOUTH ON JUNE 8.

JULY

- COUNCIL AND WORKING GROUP MEET IN PLYMOUTH, MASSACHUSETTS. COUNCIL APPROVES RECOMMENDATIONS TO RESTORE SHELLFISH HABITATS. JOINT STATEMENT AMONG GULF OF MAINE REGIONAL MARINE RESEARCH BOARD, REGIONAL ASSOCIATION FOR RESEARCH ON THE GULF OF MAINE, AND THE COUNCIL IS ENDORSED. COUNCIL ENDORSES EFFORT TO PASS US FEDERAL LEGISLATION AUTHORIZING A FEDERAL GULF OF MAINE PROGRAM. NOVA SCOTIA ASSUMES COUNCIL CHAIR AND SECRETARIAT.
- TURNING THE TIDE, VOL. 5, NO. 2 & 3 PUBLISHED.

THE GULF OF MAINE/BAY OF FUNDY VISIONARY AWARDS RECOGNIZE INNOVATION, CREATIVITY, AND COMMITMENT TO MARINE ENVIRONMENTAL PROTECTION AND MANAGEMENT. ORGANIZATION AND/OR INDIVIDUAL WINNERS FROM EACH JURISDICTION ARE:

MASSACHUSETTS
MERRIMACK RIVER WATERSHED COUNCIL
DAVID WILEY

MAINE
GEORGES RIVER TIDEWATER ASSOCIATION
JOHN SOWLES

NEW BRUNSWICK
JANICE HARVEY, JD IRVING LTD.

NEW HAMPSHIRE
STUDENTS OF SALEM HIGH SCHOOL, TOWN OF SEABROOK

NOVA SCOTIA
CLYDE RIVER COMMITTEE
DR. GRAHAM DABORN



R E P O R T O N T H E C O U N C I L A C T I V I T I E S

MARINE MONITORING AND RESEARCH

IN ORDER BETTER MANAGE AND PROTECT THE GULF OF MAINE, IT IS NECESSARY TO FIRST GIVE THE GULF AN ENVIRONMENTAL "CHECK-UP". NOW IN ITS SECOND YEAR, THE GULF OF MAINE MONITORING COMMITTEE'S GULFWATCH PROGRAM CONTINUES TO ENJOY GREAT SUCCESS.

GULFWATCH IS A SMALL BUT MEANINGFUL COLLABORATIVE MONITORING PROGRAM THAT USES THE BLUE MUSSEL, MYTILUS EDULIS, AS AN INDICATOR OF POLLUTION GRADIENTS IN THE GULF OF MAINE. GULFWATCH IS A UNIQUE ATTEMPT TO MONITOR ENVIRONMENTAL CONDITIONS ON A REGION-WIDE BASIS. THE PURPOSE OF GULFWATCH IS:

- TO EVALUATE THE FEASIBILITY OF USING BLUE MUSSELS AS AN INDICATOR OF ENVIRONMENTAL TRENDS.
- TO DETERMINE THE CHALLENGES OF LOGISTICAL COOPERATION AMONG THE GULF OF MAINE JURISDICTIONS.
- TO INITIATE TESTING OF SEVERAL HYPOTHESES REGARDING THE OVERALL HEALTH OF THE GULF OF MAINE.

IN AUGUST, 1992, THE GULF OF MAINE MONITORING COMMITTEE DEPLOYED BLUE MUSSELS IN TWELVE TEST (ASSUMED TO BE POLLUTED) AND REFERENCE (ASSUMED NOT TO BE CLEAN) SITES THROUGHOUT THE GULF. IN OCTOBER, 1992 NEARLY ONE HUNDRED PERCENT OF THE CAGES HAD BEEN RETRIEVED, AS OPPOSED TO APPROXIMATELY SIXTY PERCENT THE PREVIOUS YEAR. THESE MUSSELS ARE UNDERGOING TESTS AT THE LABORATORIES OF THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENVIRONMENT CANADA, WITH THE RESULTS TO BE PUBLISHED IN THE FALL OF 1993.

IN DECEMBER, 1992 THE MONITORING COMMITTEE RELEASED ITS REPORT ON THE FINDINGS FROM THE 1991 PILOT GULFWATCH. THE REPORT REVEALED THAT, CONSISTENT WITH WORLD-WIDE MONITORING EFFORTS, BLUE MUSSELS WERE SHOWN TO BE AN INDICATOR OF ENVIRONMENTAL HEALTH. IT WAS DEMONSTRATED THAT THE FIVE JURISDICTIONS COULD COORDINATE A REGIONAL MONITORING PROGRAM, ALTHOUGH TREMENDOUS LOGISTICAL CHALLENGES EXIST. AS EXPECTED, IT WAS FOUND THAT GROWTH WAS AFFECTED BY DIFFERENT LEVELS OF CONTAMINATION AND INDIGENOUS MUSSELS HAD A HEAVIER CONTAMINANT LOAD THAN CAGED MUSSELS. HOWEVER, THE DIFFERENCE IN CONTAMINANT LEVELS BETWEEN THE TEST AND REFERENCE SITES WAS NOT AS GREAT AS HAD BEEN EXPECTED. THIS WAS DUE LARGELY TO CONTAMINATION IN REFERENCE AREAS. (UNFORTUNATELY THERE IS A LACK OF TRUE REFERENCE AREAS IN THE MORE INDUSTRIALIZED REGIONS OF THE GULF.) TO CORRECT FOR THIS, SEVERAL NEW SITES WERE SELECTED IN 1992.

WHILE IT IS DANGEROUS TO OVER-INTERPRET THE DATA FROM JUST ONE YEAR, THE RESULTS OF THE PILOT GULFWATCH WERE CONSISTENT WITH OTHER REGIONAL SURVEYS. AS THE 1991 REPORT CONCLUDED, "THE USE OF MUSSELS AS INDICATORS OF TOXIC CONTAMINATION IS A WORKABLE, AFFORDABLE, AND WORTHWHILE FIRST STEP IN IMPLEMENTING A LARGER AND MORE COMPREHENSIVE GULF OF MAINE MONITORING PLAN."

DATA AND INFORMATION MANAGEMENT

IN ORDER TO EFFECTIVELY MANAGE THE GULF OF MAINE AS THE ECOSYSTEM THAT IT TRULY IS, DECISION-MAKERS MUST HAVE ACCESS TO DATA AND INFORMATION FROM SOURCES THROUGHOUT THE ENTIRE GULF OF MAINE SYSTEM. IN OCTOBER, 1992 THE GULF OF MAINE DATA AND INFORMATION MANAGEMENT COMMITTEE UNVEILED THE REVOLUTIONARY PROTOTYPE ENVIRONMENTAL DATA AND INFORMATION MANAGEMENT SYSTEM (EDIMS). WHEN FULLY OPERATIONAL, EDIMS WILL ENABLE A DIVERSE USER COMMUNITY TO EXCHANGE INFORMATION, DISPLAY GEO-REFERENCED DATA GRAPHICALLY (I.E., ON A MAP), AND CONDUCT DISCUSSIONS VIA E-MAIL AND ELECTRONIC BULLETIN BOARDS. THE USE OF INTERNET AS THE COMMUNICATIONS "BACKBONE" OF THE SYSTEM WILL AFFORD USERS ACCESS TO EVEN MORE DATA VIA A WORLDWIDE "NETWORK OF NETWORKS." EDIMS WILL MEET THE DATA AND COMMUNICATION NEEDS OF ENVIRONMENTAL MANAGERS AND POLICY MAKERS IN THE REGION, AS WELL THOSE OF INTERESTED PARTIES IN THE PRIVATE, RESEARCH, AND NONPROFIT AREAS.

EDIMS IS AN EXAMPLE OF DISTRIBUTED DATABASE TECHNOLOGY. IN A TRADITIONAL, CENTRALIZED DATABASE SYSTEM, ALL OF THE INFORMATION IS COLLECTED AND HOUSED IN A SINGLE LOCATION. SUCH A CENTRALIZED SYSTEM REQUIRES CONSTANT MANAGEMENT. IF THERE ARE MANY DIFFERENT SOURCES OF DATA AND INFORMATION THAT CHANGE FREQUENTLY, A CENTRALIZED SYSTEM HAS LIMITED APPLICATION: THE DATA AND INFORMATION ARE ONLY VALID UP TO THE TIME OF THE LAST UPDATE.

WITH A DISTRIBUTED SYSTEM, THE DATA AND INFORMATION REMAIN AT THEIR SOURCES. THE DISTRIBUTED SYSTEM ACTS AS A HUB THROUGH WHICH A USER CAN ACCESS DATA AND INFORMA-



1992/1993

TION ELECTRONICALLY AS THEY ARE CREATED. SUCH A DISTRIBUTED SYSTEM REMOVES THE NEED FOR TIMELY AND COSTLY MANAGEMENT WHILE ASSURING THE MOST CURRENT DATA AND INFORMATION AVAILABLE. WHEN FULLY OPERATIONAL, EDIMS WILL PROVIDE NOT ONLY ACCESS TO DATA AND INFORMATION, BUT WILL SERVE AS A COMMUNICATION AND DECISION-MAKING TOOL FOR POLICY-MAKERS, RESEARCHERS, AND SCIENTISTS THROUGHOUT THE GULF OF MAINE.

THE EXTENSIVE USER NEEDS ANALYSIS CONDUCTED FOR EDIMS INDICATED THAT THE POTENTIAL USER COMMUNITY IS EAGER FOR A WIDE RANGE OF ACCESSIBLE DATA TYPES AND APPLICATIONS, AS WELL AS SIGNIFICANTLY ENHANCED COMMUNICATIONS CAPABILITIES. A QUESTIONNAIRE ON DATA AND INFORMATION NEEDS DISTRIBUTED TO OVER 700 INDIVIDUAL AROUND THE GULF IDENTIFIED POTENTIAL SYSTEM USERS, THEIR FUNCTIONS, NEEDS, AND RESOURCES. AN INDICATION OF THE REGION'S INTEREST IN EXPANDED DATA ACCESS IS THE ENTHUSIASTIC RECEPTION GIVEN THE DATASET DIRECTORY PRODUCED ON DISKETTE BY DIMC. THE DIRECTORY ALLOWS THE USER TO USE MULTIPLE PARAMETERS TO SEARCH A LIST OF DATABASES CONTAINING GULF ENVIRONMENTAL INFORMATION. TO DATE, APPROXIMATELY 200 COPIES HAVE BEEN DISTRIBUTED, AND, PENDING FUNDING, AN UPDATED VERSION IS PLANNED.

THE DATA AND INFORMATION MANAGEMENT COMMITTEE IS CURRENTLY LOOKING FOR COLLABORATIVE PARTNERS TO FURTHER DEVELOP THE EDIMS PROTOTYPE. ■

COASTAL AND MARINE POLLUTION

MARINE DEBRIS REDUCTION

BECAUSE IT IMPACTS ON SO MANY DIFFERENT ASPECTS OF THE GULF OF MAINE ENVIRONMENT, THE REDUCTION OF MARINE DEBRIS IS A HIGH PRIORITY FOR THE GULF OF MAINE COUNCIL. AS PART OF ITS ONGOING MARINE DEBRIS REDUCTION PROGRAM, THE COUNCIL INITIATED A PILOT PROJECT LAST YEAR IN PORTLAND, MAINE WHICH HAS NOW EVOLVED INTO AN ONGOING EFFORT: THE PORTLAND MARINE DEBRIS COUNCIL. THIS PROJECT IS AN EXCELLENT EXAMPLE OF A PRIVATE-PUBLIC PARTNERSHIP WORKING TO ADDRESS A SPECIFIC ENVIRONMENTAL PROBLEM.

IN AUGUST, 1992 THE PORTLAND COUNCIL PUBLISHED A STRATEGY TO REDUCE MARINE DEBRIS IN PORTLAND, MAINE THAT PROMOTES BOTH EDUCATING PEOPLE ABOUT THE POLLUTION CAUSED BY IMPROPER DISPOSAL OF VESSEL WASTE, AND PROVIDING ADEQUATE COLLECTION FACILITIES TO ADDRESS THE PROBLEM. THE GOAL OF THE PROGRAM IS TO EVENTUALLY PROVIDE EVERY WHARF IN THE PORTLAND WITH A DUMPSTER, AN OIL RECOVERY FACILITY, AND REGULAR BULK DEBRIS REMOVAL.

IN JANUARY, 1993 THE PORTLAND COUNCIL COMMISSIONED A SURVEY OF RESOURCES WHICH ARE TARGETED TOWARDS DEVELOPING PUBLIC AWARENESS ABOUT MARINE DEBRIS. A SMALL DIRECTORY WAS DEVELOPED WHICH LISTS POSTERS, BROCHURES, COLORING BOOKS, SLIDE SHOWS, AND PUBLIC SERVICE ANNOUNCEMENTS FOR TV, RADIO AND MAGAZINES. MANY OF THESE ITEMS ARE AVAILABLE FOR FREE. THE COUNCIL WILL NOW DECIDE ON WHICH MATERIALS TO DISTRIBUTE IN THE PORTLAND AREA.

THE PORTLAND MARINE DEBRIS PILOT PROJECT IS AN EXCELLENT EXAMPLE THE GULF OF MAINE COUNCIL'S ABILITY TO ACT AS A CATALYST IN PUBLIC-PRIVATE PARTNERSHIP VENTURES. IN 1993, THE COUNCIL IS REPLICATING THIS EFFECTIVE EFFORT BY STARTING NEW MARINE DEBRIS PROJECTS IN EACH OF THE FIVE JURISDICTIONS. THE GOAL IS TO EVENTUALLY INVOLVE ALL PORTS IN THE GULF OF MAINE.

POINT SOURCE POLLUTION INVENTORY

IN CONJUNCTION WITH THE US ENVIRONMENTAL PROTECTION AGENCY (EPA) AND THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA), THE GULF OF MAINE COUNCIL UNDERTOOK IN 1992-93 AN INVENTORY OF POLLUTION DISCHARGES IN THE GULF OF MAINE. TO COMPLETE THIS TASK, THE RESEARCHERS FIRST HAD TO FIND AND COMPILER ACCURATE DIGITIZED MAPPING INFORMATION ON THE GULF OF MAINE WATERSHED. WORKING FROM STATE AND FEDERAL DOCUMENTATION, THE RESEARCHERS THEN LOCATED ALL MAJOR DISCHARGES INTO THE GULF OF MAINE SYSTEM. THANKS TO THE MOMENTUM OF THIS INITIATIVE, EPA AND NOAA WERE ABLE TO OBTAIN COMPREHENSIVE DATA FROM NEW BRUNSWICK AND SOME DATA FROM NOVA SCOTIA.

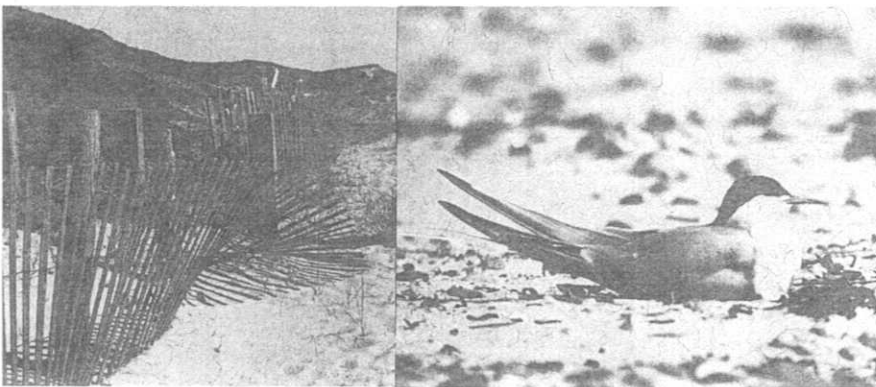
THE FINAL GULF OF MAINE POINT SOURCE INVENTORY, TO BE PUBLISHED IN SEPTEMBER, 1993, WILL PROVIDE THE NECESSARY FOUNDATION FOR A REGIONAL APPROACH TO MITIGATING THE EFFECTS OF POINT SOURCE DISCHARGE IN THE GULF OF MAINE WATERSHED. THIS PROJECT WOULD NOT HAVE BEEN POSSIBLE WITHOUT THE UNPRECEDENTED LEVEL OF COOPERATION AMONG THE STATES AND PROVINCES IN SHARING THE NECESSARY DATA.



HABITAT PROTECTION

IN BOTH THE US AND IN CANADA, THERE HAS BEEN A REALIZATION THAT PROTECTING INDIVIDUAL SPECIES IS INEFFECTIVE UNLESS THE HABITATS IN WHICH THESE SPECIES LIVE ARE ALSO PROTECTED. BY WORKING TO IDENTIFY HABITATS ON A REGIONAL BASIS, THE GULF OF MAINE PRIORITY HABITAT PROJECT IS EFFECTIVELY IMPLEMENTING ON A REGIONAL BASIS WHAT HAS COME TO BE RECOGNIZED AS A NECESSARY TREND IN PROTECTING THE ENVIRONMENT.

OUT OF THE GULF OF MAINE HABITAT WORKSHOP, HELD IN SAINT ANDREWS, NEW BRUNSWICK ON OCTOBER, 1992 EMERGED A PLAN FOR A COORDI-



NATED REGIONAL EFFORT TO IDENTIFY AND PROTECT PRIORITY HABITATS IN THE GULF OF MAINE. USING A PROCESS SUCCESSFULLY EMPLOYED IN FLORIDA FOR PRIORITY SPECIES AND HABITAT IDENTIFICATION, THE GULF OF MAINE PRIORITY HABITAT PROGRAM WILL: 1) IDENTIFY PRIORITY SPECIES, 2) USE THIS INFORMATION AND A PROCESS OF SUITABILITY MODELING TO IDENTIFY PRIORITY HABITATS, AND 3) DEVELOP A COORDINATED REGIONAL APPROACH TO PROTECT THESE PRIORITY HABITATS.

THE PROCESS FOR IDENTIFYING PRIORITY SPECIES INVOLVES ESTABLISHING CRITERIA (ECOLOGICAL

SIGNIFICANCE, SOCIAL AND ECONOMIC SIGNIFICANCE, INSTITUTIONAL SIGNIFICANCE, ETC.) AND THEN ASSIGNING DIFFERENT WEIGHTS TO THESE CRITERIA. A COMMITTEE OF BOTH GOVERNMENTAL AND NON-GOVERNMENTAL REPRESENTATIVES HAS ESTABLISHED AND WEIGHTED THESE CRITERIA. CURRENTLY, PROFESSIONALS THROUGHOUT THE REGION ARE BEING SURVEYED TO RANK PLANT AND ANIMAL SPECIES. THIS INFORMATION WILL THEN BE ASSIMILATED TO FORM A LIST OF PRIORITY SPECIES. FROM THESE SPECIES, PRIORITY HABITATS, AND A PLAN FOR MANAGING THESE HABITATS, WILL BE DEVELOPED IN 1994.

EDUCATION & PARTICIPATION

THE PRIMARY GOAL OF THE PUBLIC EDUCATION AND PARTICIPATION COMMITTEE IS TO ENGENDER A SENSE OF STEWARDSHIP AMONG THE GULF INHABITANTS. WHILE PEOPLE EASILY IDENTIFY WITH LOCAL WATERBODIES—CAPE COD BAY OR MINAS BASIN, FOR EXAMPLE—FORGING THE LINK TO THE LARGER SYSTEM FREQUENTLY PROVIDES A GREATER CHALLENGE. FOR A TRUE REGIONAL CONSTITUENCY TO DEVELOP, THE IMPORTANCE AND VITALITY OF THE GULF OF MAINE AND ITS RELATIONSHIP TO ITS SUB-WATERBODIES MUST BE CLEARLY DEMONSTRATED. THUS, THE PUBLIC EDUCATION AND PARTICIPATION COMMITTEE FOCUSES ON INFORMATION DISTRIBUTION, DISTRIBUTION OF EDUCATIONAL MATERIALS, PROMOTION OF SCIENTIFIC LITERACY, AND PUBLIC OUT-REACH.

PRODUCTS AND ACTIVITIES OF THE COMMITTEE INCLUDE:

- TURNING THE TIDE, THE COUNCIL'S QUARTERLY NEWSLETTER, PROVIDES THE PUBLIC WITH INFORMATION ON A VARIETY OF ISSUES IN THE GULF OF MAINE. ARTICLES IN 1992-93 RANGED FROM SUCH TOPICS AS VOLUNTEER WATER QUALITY MONITORING TO SATELLITE IMAGERY. CIRCULATION OF TURNING THE TIDE NOW EXCEEDS 3,000.
- THE GULF OF MAINE WATERSHED MAP IS A POPULAR TOOL USED BY MANAGERS AND EDUCATORS ALIKE TO DEMONSTRATE THE INTERCONNECTEDNESS OF THE GULF OF MAINE SYSTEM. IN 1992-93 THE COUNCIL, IN COOPERATION WITH A NUMBER OF SUPPORTING AGENCIES, REPRINTED THE MAP TO MAKE IT FURTHER AVAILABLE TO THE PUBLIC.
- IN JUNE 1993, THE COMMITTEE, IN COOPERATION WITH ENVIRONMENT CANADA, DRAFTED THE FIRST STATE OF THE GULF FACT SHEET. THIS FIRST FACT SHEET, WHICH DOCUMENTS THE OVERALL STATE OF THE ENVIRONMENT IN THE GULF OF MAINE, DREW LARGELY FROM THE WORK OF DR. PETER LARSON OF BIGELOW LABORATORY FOR OCEAN SCIENCES IN MAINE. JUDGING FROM THE TREMENDOUS DEMAND FOR THIS FIRST FACT SHEET, THE COUNCIL PLANS TO CONTINUE TO PROVIDE THIS NECESSARY SERVICE TO THE GULF OF MAINE COMMUNITY WITH A SERIES OF FACT SHEETS ON MORE SPECIFIC TOPICS SUCH AS THE STATE OF SHELLFISHING AREAS.
- THE COMMITTEE JOINED WITH THE NATIONAL FISH AND WILDLIFE FOUNDATION IN SUPPORTING THE WILD GULF CURRICULUM PROJECT, WHICH IS A PHASED EFFORT TO FACILITATE THE DEVELOPMENT AND DISTRIBUTION OF MATERIALS AND RESOURCES FOR TEACHER TRAINING AND STUDENTS AT ALL PRIMARY AND SECONDARY GRADE LEVELS IN SCHOOLS THROUGHOUT THE GULF OF MAINE WATERSHED. THE WILD GULF PROJECT IS BEING DIRECTED BY THE US FISH AND WILDLIFE SERVICE GULF OF MAINE COASTAL AND ESTUARY PROJECT AND THE CHEWONKI FOUNDATION IN WISCASSET, MAINE. TO DATE, WILD GULF PARTNERS INCLUDE THE NEW ENGLAND AQUARIUM, MANOMET BIRD OBSERVATORY, THE WELLS NATIONAL ESTUARINE RESERVE, THE MAINE AUDUBON SOCIETY, THE UNIVERSITY OF SOUTHERN MAINE, AND THE COLLEGE OF THE ATLANTIC.

REALIZING THAT SIMPLY MAKING MATERIALS AVAILABLE IS ONLY HALF OF THE EQUATION, THE COMMITTEE IS CURRENTLY UNDERTAKING THE DEVELOPMENT OF AN OUTREACH STRATEGY TO BRING ORGANIZATIONS AND INDIVIDUALS INTO THE GULF OF MAINE FOLD.

PROGRAM COORDINATION & DEVELOPMENT

THE 1992-93 FISCAL YEAR SAW THE SECOND SUCCESSFUL TRANSITION OF THE SECRETARIAT. IN JULY, 1992, MASSACHUSETTS ASSUMED THE SECRETARIAT DUTIES FROM NEW BRUNSWICK. THE MASSACHUSETTS SECRETARIAT COORDINATED TWO COUNCIL MEETINGS IN MASSACHUSETTS—DECEMBER 4, 1992 IN BOSTON AND JULY 16, 1993 IN PLYMOUTH. THE WORKING GROUP CONTINUED ON ITS QUARTERLY SCHEDULE WITH MEETINGS IN PORTLAND, BOSTON, HALIFAX, AND PLYMOUTH.

RESPONDING TO AN INCREASED NEED FOR PUBLIC AWARENESS OF THE PROGRAM, THE SECRETARIAT EXPANDED UPON PROGRAM HIGHLIGHTS, PUBLISHING FIVE ISSUES OF THE BULLETIN. THE SECRETARIAT ALSO COORDINATED OUTREACH EFFORTS & SUPERVISED THE FORMATION AND EXECUTION OF THE BUDGET AND THE ANNUAL WORKPLAN.

IN DECEMBER, 1992 THE COUNCIL APPROVED A STRATEGY TO RE-EVALUATE THE GULF OF MAINE ACTION PLAN. ENDORSED BY THE GOVERNORS AND PREMIERS IN 1991, THE TEN-YEAR ACTION PLAN FOR THE GULF OF MAINE REQUIRES EVALUATION EVERY THREE YEARS. THE COUNCIL'S PROCESS, TO BE COMPLETED IN 1994, CALLS FOR A PERIOD OF PUBLIC COMMENT—WITH SPECIAL ATTENTION TO BE PAID TO THE NON-GOVERNMENTAL ORGANIZATION (NGO) COMMUNITY—LEADING UP TO A MAJOR GULF OF MAINE CONFERENCE IN JULY, 1994. THE COUNCIL HOPES TO ENGAGE ORGANIZATIONS AND INDIVIDUALS THROUGHOUT THE GULF IN ACTIVE PARTICIPATION IN THE REGIONAL INITIATIVE.

IN MAY, 1993, THE 19TH ANNUAL CONFERENCE OF NEW ENGLAND GOVERNORS AND EASTERN CANADIAN PREMIERS PASSED A RESOLUTION ENDORSING THE WORK OF THE GULF OF MAINE COUNCIL AND DIRECTING THE COUNCIL TO DRAFT NEW PROTOCOLS FOR SIGNATURE BY THE GOVERNORS AND PREMIERS. THE COUNCIL IS CURRENTLY DRAFTING NEW PROTOCOLS FOR SIGNATURE AFTER THE 1994 GULF OF MAINE CONFERENCE.

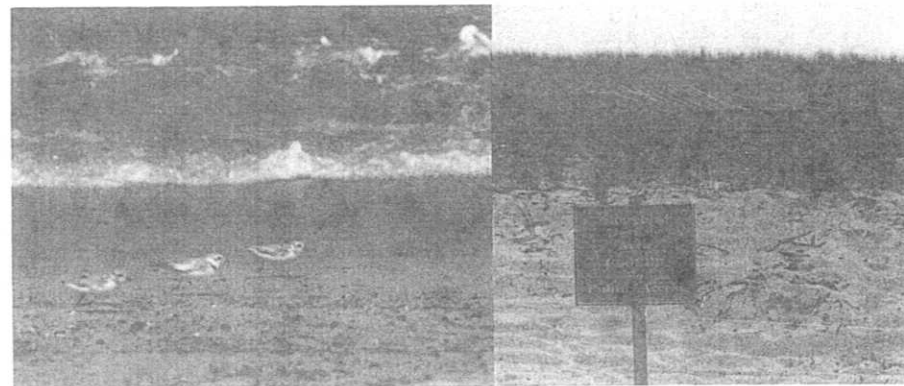
IN ORDER TO EXPAND ITS FUNDING BASE, THE COUNCIL FILED DOCUMENTS IN FEBRUARY, 1993 TO CREATE TWO PARALLEL TAX-EXEMPT ORGANIZATIONS, ONE IN CANADA AND ONE IN THE US. THE TWO ORGANIZATIONS WERE FORMED FOR TAX PURPOSES ONLY; THE COUNCIL WILL CONTINUE TO FUNCTION AS ONE ENTITY. ONCE APPROVED BY REVENUE CANADA AND THE US INTERNAL REVENUE SERVICE, THE TAX-EXEMPT STATUS WILL PROVIDE TAX RELIEF FOR SUPPORTING COUNCIL INITIATIVES, PAVING THE WAY FOR GREATER PRIVATE PARTICIPATION.

REALIZING THE NEED FOR DIFFERENT ORGANIZATIONS TO COLLABORATE IN THE GULF, 1992-93 SAW SEVERAL IMPORTANT STEPS TAKEN BY DIFFERENT REGIONAL ORGANIZATIONS TO COLLABORATE. REPRESENTATIVES FROM THE GULF OF MAINE COUNCIL, THE REGIONAL ASSOCIATION FOR RESEARCH IN THE GULF OF MAINE, AND THE GULF OF MAINE REGIONAL MARINE RESEARCH BOARD MET SEVERAL TIMES TO DISCUSS COORDINATION OF THEIR EFFORTS, AND TO PRESCRIBE SPECIFIC MECHANISMS FOR COLLABORATION. A JOINT STATEMENT CALLING FOR GREATER COMMUNICATION AND COLLABORATION WAS ENDORSED BY THE THREE ORGANIZATIONS IN JULY. THE STATEMENT IS SEEN AS AN YET ANOTHER IMPORTANT FIRST STEP TOWARDS GREATER INTEGRATION

OF SCIENTIFIC AND MANAGEMENT EFFORTS IN THE GULF OF MAINE.

IN ORDER TO FACILITATE GREATER COLLABORATION AMONG STATE AND PROVINCIAL AGENCIES, THE COUNCIL INITIATED A PERSONNEL EXCHANGE PROGRAM. THE PROGRAM ALLOWS AGENCIES WITHIN THE GULF TO USE EACH OTHER AS RESOURCES BY EXCHANGING EXPERT PROFESSIONAL PERSONNEL FOR SHORT PERIODS OF TIME. A MATRIX IDENTIFIES THE STRENGTHS AND NEEDS OF EACH STATE OR PROVINCE.

RECOGNIZING THE UNIQUE VALUE OF THE NGO COMMUNITY IN THE GULF OF MAINE, THE COUNCIL COOP-



ERATED WITH THE COLLABORATION OF COMMUNITY FOUNDATIONS IN THE GULF OF MAINE (CCF) TO CONDUCT A WRITTEN AND TELEPHONE SURVEY OF NON-GOVERNMENTAL ORGANIZATIONS AROUND THE GULF. THE RESULTS OF THIS SURVEY WILL BE USED TO FURTHER REFINE THE GOALS AND POLICIES OF THE COUNCIL. IN FEBRUARY AND MAY, 1993, THE CCF HELD FORUMS ON ESTABLISHING A REGIONAL NETWORK FOR NGO'S IN THE GULF OF MAINE. THE GULF OF MAINE COUNCIL ANTICIPATES A CLOSE PARTNERSHIP WITH CCF AS A CLEAR REGIONAL NGO AGENDA EMERGES. ■

A CT I V I T I E S A N D S O U R C E S O F S U P P O R T

THE GULF OF MAINE COUNCIL ENGAGED IN SIX CATEGORIES OF ACTIVITIES FROM JULY 1, 1992 TO JUNE 30, 1993. SOURCES OF SUPPORT INCLUDED STATE, PROVINCIAL, AND FEDERAL AGENCIES, UNIVERSITIES, FOUNDATIONS, NON-PROFIT ORGANIZATIONS, BUSINESSES, AND INDIVIDUAL CITIZENS.

WHILE SOME OF THIS SUPPORT CAME FROM CASH GRANTS, MOST OF THE RESOURCES USED IN SUPPORTING THE PROGRAM CAME FROM THE IN-KIND CONTRIBUTIONS. (IN-KIND CONTRIBUTIONS RANGE FROM STAFF TIME AND TRAVEL, TO MATERIALS AND GOODS AND SERVICES.)

AS THE COUNCIL'S PROGRAM CONTINUES TO EXPAND, SO TOO DOES THE NEED FOR RESOURCES. THE COUNCIL UNDERTOOK SEVERAL EFFORTS IN 1992-93 TO ADDRESS FUNDING NEEDS:

- THE GOVERNORS AND PREMIERS SIGNED AN AMENDMENT TO THE INITIAL ENABLING AGREEMENT WHICH PROVIDES FOR THE APPOINTMENT OF A PRIVATE SECTOR INDIVIDUAL TO THE COUNCIL FROM EACH JURISDICTION. THIS WAS DONE PRIMARILY TO GET A NON-GOVERNMENTAL PERSPECTIVE ON POLICY DEVELOPMENT AND TO OPEN CHANNELS TO PRIVATE FUNDING SOURCES.
- TAX-EXEMPT STATUS HAS BEEN APPLIED FOR IN BOTH THE UNITED STATES AND CANADA. TAX-EXEMPT STATUS WILL FURTHER THE COUNCIL'S EFFORTS TO DRAW UPON PRIVATE FUNDING PARTNERS. IN DECEMBER, 1992 THE COUNCIL ADOPTED A STRATEGY TO APPROACH PRIVATE SOURCES OF FUNDING.
- AT ITS JULY, 1993 MEETING THE COUNCIL ENDORSED AN EFFORT TO ESTABLISH A US FEDERAL GULF OF MAINE PROGRAM AS PART OF THE CLEAN WATER ACT.

THE FOLLOWING IS A LIST OF ORGANIZATIONS AND INDIVIDUALS THAT SUPPORTED THE GULF OF MAINE PROGRAM IN 1992-93:

MAINE

CASCO BAY ESTUARY PROJECT
MARY CERULLO, SOUTH PORTLAND
CHEWONKI FOUNDATION
COLLEGE OF THE ATLANTIC
DAVIS CONSERVATION FUND
DENNIS FRAPPIER, PORTLAND FISH EXCHANGE
DAN DORSKY, PORTLAND
GULF OF MAINE EDUCATORS ASSOCIATION
WILLIAM LACKEY, LEGG, MASON, WOOD AND WALKER, INC.
MAINE AUDUBON SOCIETY
MAINE COASTAL PROGRAM
MAINE COMMUNITY FOUNDATION, INC.
MAINE DEPARTMENT OF CONSERVATION
MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAINE DEPARTMENT OF INLAND FISH AND WILDLIFE
MAINE DEPARTMENT OF MARINE RESOURCES
MAINE STATE PLANNING OFFICE
MAINE OFFICE OF INFORMATION SERVICES
THE NATURE CONSERVANCY
PORTLAND MARINE DEBRIS COUNCIL
JOAN SAXE, PORTLAND
BILL SCHERR, DiMILLO'S MARINA
UNIVERSITY OF MAINE SEA GRANT PROGRAM
UNIVERSITY OF NEW ENGLAND
UNIVERSITY OF SOUTHERN MAINE
GARY VOGEL, RICHARDSON AND TROUBH, PORTLAND
WELLS NATIONAL ESTUARINE RESEARCH RESERVE

MASSACHUSETTS

BOSTON FOUNDATION
CETACEAN RESEARCH UNIT
COMMUNITY FOUNDATION OF CAPE COD
HINGHAM HIGH SCHOOL
MANOMET BIRD OBSERVATORY
MASSACHUSETTS BAYS PROGRAM

MASSACHUSETTS COASTAL ZONE MANAGEMENT
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
MASSACHUSETTS DIVISION OF FISH AND WILDLIFE
MASSACHUSETTS DIVISION OF MARINE FISHERIES
MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
MASSACHUSETTS MARINE EDUCATORS ASSOCIATION
NEW ENGLAND AQUARIUM

NEW BRUNSWICK

CONSERVATION COUNCIL OF NEW BRUNSWICK
ARTHUR DOYLE, FREDERICTON
GEOGRAPHIC INFORMATION CORPORATION
HUNTSMAN MARINE SCIENCE CENTER
NEW BRUNSWICK DEPARTMENT OF THE ENVIRONMENT
NEW BRUNSWICK DEPARTMENT OF FISHERIES AND AQUACULTURE
NEW BRUNSWICK DEPARTMENT OF NATURAL RESOURCES
NEW BRUNSWICK FEDERATION OF NATURALISTS
NEW BRUNSWICK MUSEUM
NEW BRUNSWICK NATURE TRUST

NEW HAMPSHIRE

AUDUBON SOCIETY OF NEW HAMPSHIRE
GREATER PISCATAQUA COMMUNITY FOUNDATION
THE NATURE CONSERVANCY
NEW HAMPSHIRE CHARITABLE FUND
NEW HAMPSHIRE COASTAL PROGRAM
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
NEW HAMPSHIRE DIVISION OF MARINE FISHERIES
NEW HAMPSHIRE FISH AND GAME DEPARTMENT
NEW HAMPSHIRE NATURAL HERITAGE INVENTORY
NEW HAMPSHIRE STATE PLANNING OFFICE
UNIVERSITY OF NEW HAMPSHIRE
UNIVERSITY OF NEW HAMPSHIRE SEA GRANT PROGRAM

NOVA SCOTIA

ARCADIA CENTER FOR ESTUARINE RESEARCH
HALIFAX DISTRICT SCHOOL BOARD
LAURENCE SWEENEY FISHERIES, LIMITED



GULF OF MAINE COUNCIL PROGRAM BUDGET 1992 - 1993

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THE NATURE CONSERVANCY
NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT
NOVA SCOTIA DEPARTMENT OF FISHERIES
NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES
NOVA SCOTIA LAND USE COMMITTEE
NOVA SCOTIA MUSEUM
STEWART, MCKELVEY, STIRLING AND SCALES, HALIFAX

US FEDERAL

ARMY CORPS OF ENGINEERS
DEPARTMENT OF STATE
ENVIRONMENTAL PROTECTION AGENCY
NATIONAL OCEANIC AND ATMOSPHERIC
ADMINISTRATION
NATIONAL MARINE FISHERIES SERVICE
COASTAL OCEAN PROGRAM
NATIONAL OCEAN SERVICE
OFFICE OF OCEAN AND COASTAL
RESOURCE MANAGEMENT
OCEAN RESOURCES CONSERVATION AND
ASSESSMENT/STRATEGIC
ENVIRONMENTAL ASSESSMENT
US FISH AND WILDLIFE SERVICE
US COAST GUARD

CANADIAN FEDERAL

CANADIAN COAST GUARD
CANADIAN WILDLIFE SERVICE
DEPARTMENT OF FISHERIES AND OCEANS
ENVIRONMENT CANADA
CONSERVATION AND PROTECTION SERVICE
STATE OF ENVIRONMENT REPORTING

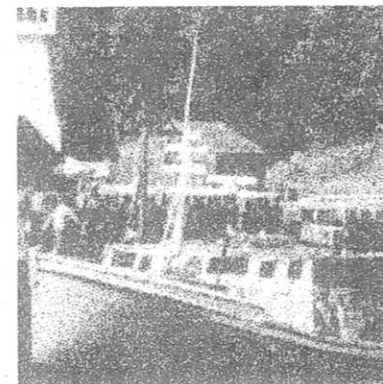
CANADIAN REGIONAL

ATLANTIC COASTAL ZONE INFORMATION STEERING
COMMITTEE
COUNCIL OF MARITIME PREMIERS

SUPPORT:	1992	1993
STATES & PROVINCES	\$570,000	\$712,500
FEDERAL (US & CANADA)	930,000	1,162,500
PRIVATE (NGO, BUSINESS, ETC.)	160,000	200,000
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TOTAL	\$1,660,000	\$2,075,000

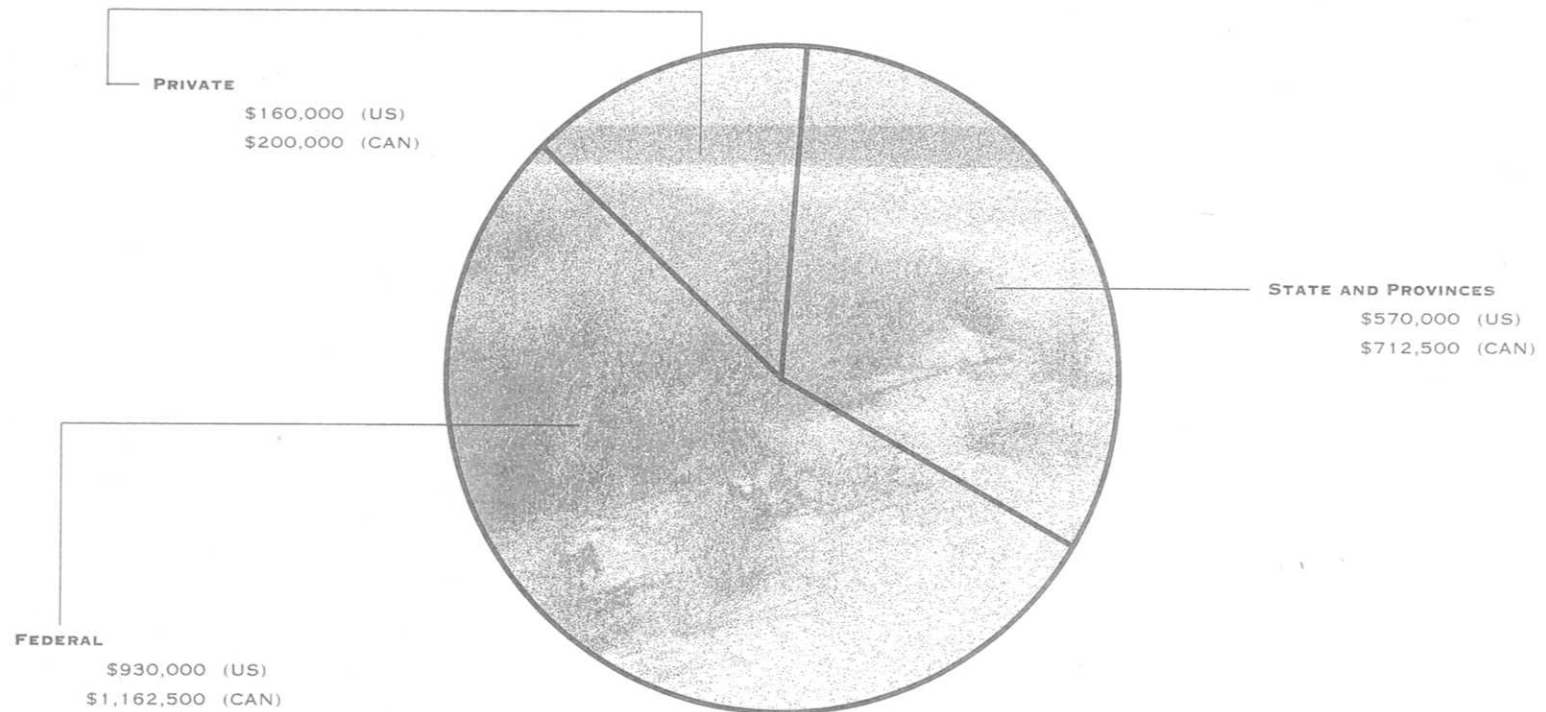
EXPENDITURES:	1992	1993
DATA & INFORMATION MANAGEMENT	\$420,000	\$525,000
MONITORING & RESEARCH	350,000	437,500
COASTAL & MARINE PROTECTION	170,000	212,500
HABITAT PROTECTION	170,000	212,500
PUBLIC EDUCATION & PARTICIPATION	270,000	337,500
PROGRAM COORDINATION & DEVELOPMENT	280,000	350,000
<hr/>		
TOTAL	\$1,660,000	\$2,075,000

RATE OF EXCHANGE: \$1.00 US = \$1.25 CANADIAN



1992 - 1993 SOURCES OF PROGRAM SUPPORT

TOTAL: \$1,660,000 (US)
\$2,075,000 (CANADIAN)



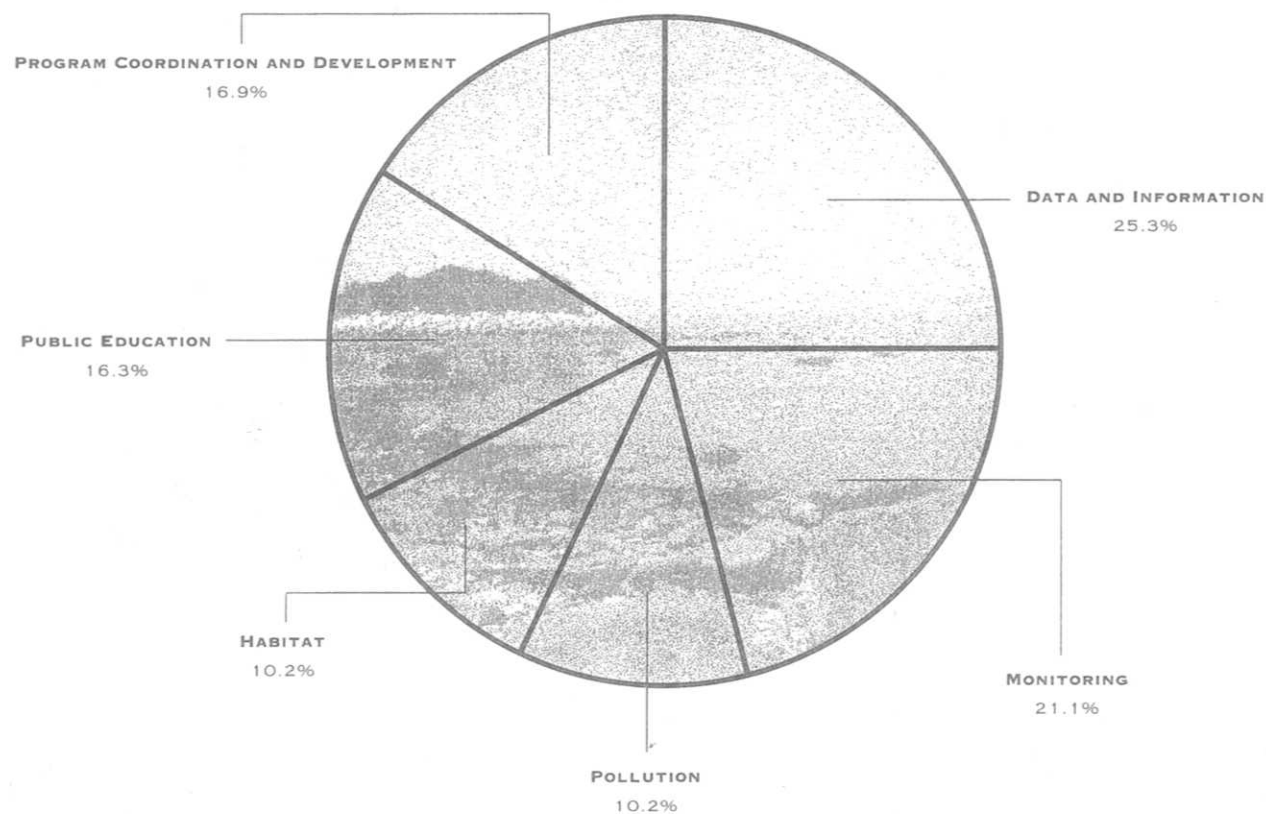
1992 - 1993 PROGRAM EXPENDITURES

TOTAL: \$1,660, 000 (US)

\$2,075,000 (CANADIAN)

ANNUAL REPORT

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C O U N C I L M E M B E R S A N D P R O G R A M P A R T I C I P A N T S 1 9 9 2 - 1 9 9 3

COUNCIL MEMBERS

MAINE

STEVE ADAMS, DIRECTOR, STATE PLANNING OFFICE
DEAN MARIOTT, COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL PROTECTION
WILLIAM D. LACKEY

MASSACHUSETTS

TRUDY COXE, SECRETARY, EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS (CHAIR)
JEFF BENOIT, DIRECTOR, COASTAL ZONE MANAGEMENT
WAYNE C. JONES

NEW BRUNSWICK

JANE BARRY, MINISTER, DEPARTMENT OF THE ENVIRONMENT
CAMILLE THERIAULT, MINISTER, DEPARTMENT OF FISHERIES AND AQUACULTURE
CAROLYN IRVING

NEW HAMPSHIRE

JEFF TAYLOR, DIRECTOR, OFFICE OF STATE PLANNING
ROBERT VARNEY, COMMISSIONER, DEPARTMENT OF ENVIRONMENTAL SERVICES

NOVA SCOTIA

TERENCE R.B. DONAHUE, MINISTER, DEPARTMENT OF THE ENVIRONMENT (JULY, 1992-MAY, 1993)
ROBERT S. HARRISON, MINISTER, DEPARTMENT OF ENVIRONMENT (JUNE, 1993-JULY, 1993)
LEROY LEGERE, MINISTER, DEPARTMENT OF FISHERIES (JULY, 1992-MAY, 1993)
JAMES A. BARKHOUSE, MINISTER, DEPARTMENT OF FISHERIES (JUNE, 1993-JULY, 1993)
KENT SWEENEY

FEDERAL OBSERVERS

CANADA

JOHN ANGEL, REGIONAL DIRECTOR GENERAL, CANADIAN DEPARTMENT OF FISHERIES AND OCEANS
ED NORRENA, REGIONAL DIRECTOR GENERAL, ENVIRONMENT CANADA CONSERVATION AND PROTECTION BRANCH

UNITED STATES

DAVID A. FIERRA, DIRECTOR, US ENVIRONMENTAL PROTECTION AGENCY REGION I WATER MANAGEMENT DIVISION
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COL. BRINK T. MILLER, DIVISION ENGINEER, US ARMY CORPS OF ENGINEERS NE DIVISION
JOHN B. PEARCE, DEPUTY CENTER DIRECTOR, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, NATIONAL MARINE FISHERIES SERVICE
NORTH EAST SCIENCE CENTER

GULF OF MAINE WORKING GROUP

NEW ENGLAND STATES

BRAD BARR, MASSACHUSETTS COASTAL ZONE MANAGEMENT (CHAIR)
STEVE BLIVEN, MASSACHUSETTS COASTAL ZONE MANAGEMENT (CHAIR)
LEE DOGGETT, MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
BOB ESTABROOK, NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
DAVID HARTMAN, NEW HAMPSHIRE COASTAL PROGRAM
DAVID KEELEY, MAINE STATE PLANNING OFFICE

MARITIME PROVINCES

BILL AYER, NEW BRUNSWICK DEPARTMENT OF ENVIRONMENT
BARRY JONES, NEW BRUNSWICK DEPARTMENT OF FISHERIES AND AQUACULTURE

ART LONGARD, NOVA SCOTIA DEPARTMENT OF FISHERIES
PETER UNDERWOOD, NOVA SCOTIA DEPARTMENT OF ENVIRONMENT

CANADIAN FEDERAL

ANDRE DUCHARME, CANADIAN DEPARTMENT OF FISHERIES AND OCEANS
LARRY HILDEBRAND, ENVIRONMENT CANADA
BRIAN NICHOLLS, CANADIAN DEPARTMENT OF FISHERIES AND OCEANS

CANADIAN REGIONAL

MICHAEL J.A. BUTLER, COUNCIL OF MARITIME PREMIERS

UNITED STATES FEDERAL

CATHY DEMOS, ARMY CORPS OF ENGINEERS
STEWART FEER, US FISH AND WILDLIFE SERVICE
ROSEMARY MONAHAN, US ENVIRONMENTAL PROTECTION AGENCY
JOHN B. PEARCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
DON SCAVIA, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

OBSERVERS

PATRICIA SCOTT, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
MARGHERITA PRYOR, US ENVIRONMENTAL PROTECTION AGENCY
JIM BERNARD, MAINE STATE PLANNING OFFICE
PENN. ESTABROOK, MAINE DEPARTMENT OF MARINE RESOURCES

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RICHARD TAUPIER, MASSACHUSETTS EXECUTIVE OFFICE ENVIRONMENTAL AFFAIRS
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EDWARD WOO, US ENVIRONMENTAL PROTECTION AGENCY
STEVE ZEEMAN, UNIVERSITY OF NEW ENGLAND

MONITORING COMMITTEE

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BRIAN MARCOTTE, MAINE DEPARTMENT OF MARINE RESOURCES

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DARRELL TAYLOR, NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT

PUBLIC EDUCATION & PARTICIPATION COMMITTEE

MARY CERULLO, MAINE
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TATIANA BERNARD, US FISH AND WILDLIFE SERVICE
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DIANE KENNY, NOVA SCOTIA DEPARTMENT OF FISHERIES
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BETSY McEVY, MASSACHUSETTS BAYS PROGRAM
SHARON MEERER, NEW HAMPSHIRE SEA GRANT
MAX MOULTON, HALIFAX DISTRICT SCHOOL BOARD
ANNE RODNEY, US ENVIRONMENTAL PROTECTION AGENCY
CHRISTOPHER ROBERTS, ENVIRONMENT CANADA
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SUSAN SCHNEIDER, MASSACHUSETTS BAYS PROGRAM
JAMIE STEEL, HUNTSMAN MARINE SCIENCE CENTER (CO-CHAIR)
SUSAN WHITE, MAINE SEA GRANT PROGRAM

STATE OF THE GULF SUBCOMMITTEE

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**GULF OF MAINE COUNCIL ON THE MARINE ENVIRONMENT
ANNUAL REPORT
1992/1993**

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MASSACHUSETTS COASTAL ZONE MANAGEMENT

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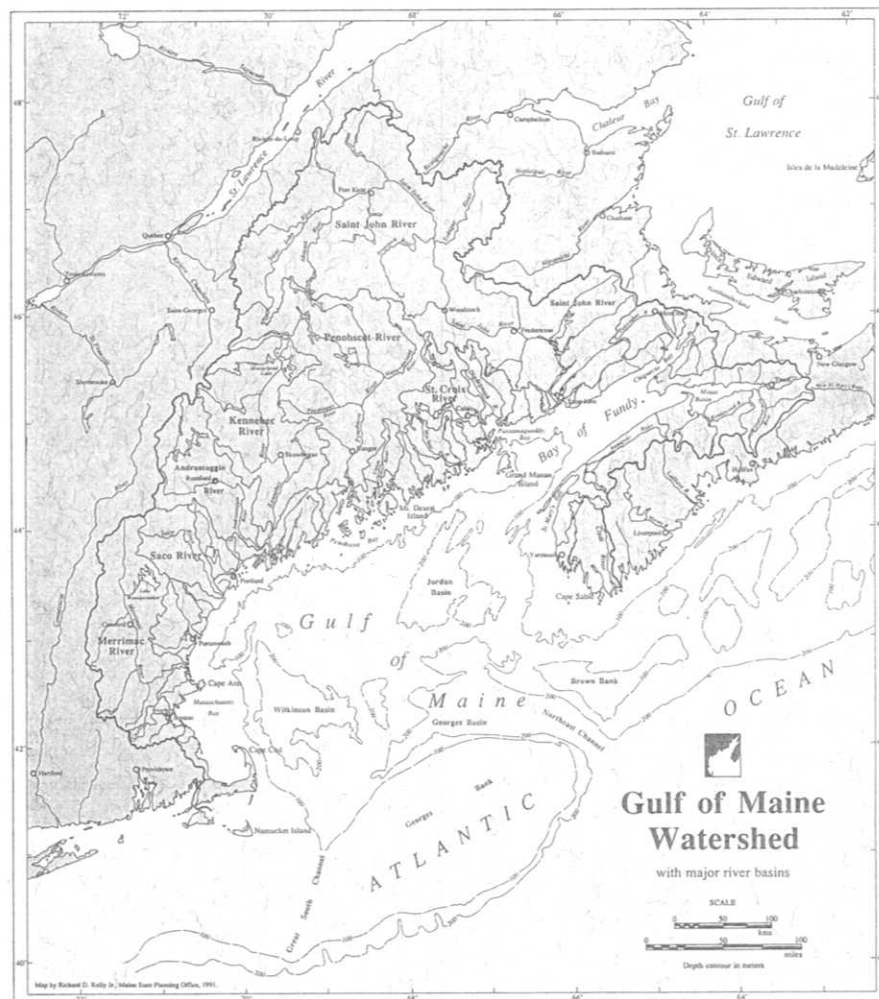
MAP:
RICHARD D. KELLY, MAINE STATE PLANNING OFFICE

PHOTOGRAPHS:
FRONT COVER:
BACKGROUND:
MASSACHUSETTS COASTAL ZONE MANAGEMENT
INSET PHOTOS CLOCKWISE FROM TOP LEFT:
ANNE SMRCINA, MASSACHUSETTS COASTAL ZONE MANAGEMENT
JOSEPH DEVENNEY, MAINE OFFICE OF TOURISM
CHERYL ULM KIMBER, MASSACHUSETTS COASTAL ZONE MANAGEMENT

BACK COVER:
BACKGROUND:
TOM HINDMAN, MAINE OFFICE OF TOURISM
INSET PHOTO:
SHERRY GODLEWSKI, NEW HAMPSHIRE OFFICE OF STATE PLANNING

INSERT:
CLOCKWISE FROM TOP LEFT:
TOM HINDMAN, MAINE OFFICE OF TOURISM
ANNE SMRCINA, MASSACHUSETTS COASTAL ZONE MANAGEMENT
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