

# TABLE OF CONTENTS

	Page
<b>EXECUTIVE SUMMARY .....</b>	<b>ES-1</b>
E.1 PROJECT OVERVIEW .....	ES-2
E.2 PURPOSE AND NEED.....	ES-2
E.3 ASSESSMENT OF ENVIRONMENTAL CONSEQUENCES .....	ES-4
E.4 PROPOSED ACTION AND ALTERNATIVES .....	ES-6
E.4.1 Proposed Action.....	ES-6
E.4.2 Alternative 1: No Action.....	ES-6
E.4.3 Alternative 2: Enhance Efforts to Restore the Native Oyster .....	ES-7
E.4.4 Alternative 3: Harvest Moratorium.....	ES-7
E.4.5 Alternative 4: Cultivate Eastern Oysters.....	ES-7
E.4.6 Alternative 5: Cultivate Nonnative Oysters .....	ES-8
E.4.7 Alternative 6: Introduce Another Nonnative Oyster Species .....	ES-8
E.4.8 Alternative 7: Introduce the Suminoe Oyster and Discontinue Efforts to Restore the Eastern Oyster.....	ES-8
E.4.9 Alternative 8: Combination of Alternatives.....	ES-9
E.5 ENVIRONMENTAL CONSEQUENCES .....	ES-10
E.6 REQUIRED FEDERAL ACTIONS .....	ES-10
<b>LIST OF ACRONYMS .....</b>	<b>xiii</b>
<b>GLOSSARY.....</b>	<b>xvii</b>
<b>1 PURPOSE AND NEED FOR ACTION.....</b>	<b>1-1</b>
1.1 STUDY AUTHORITY, SCOPE, AND STATEMENT OF PURPOSE.....	1-1
1.1.1 Authority and Scope for a Programmatic Environmental Impact Statement	1-1
1.1.2 Purpose and Need For Action .....	1-3
1.1.3 Regulatory Compliance .....	1-5
1.2 HISTORY OF OYSTERS IN CHESAPEAKE BAY .....	1-8
1.3 HISTORY OF MANAGEMENT AND RESTORATION EFFORTS .....	1-11
1.3.1 Repletion Programs.....	1-12
1.3.2 Sanctuary and Harvest Reserve Programs .....	1-16
1.3.3 Funding for Oyster Restoration .....	1-17
1.3.4 Constraints on Restoration Programs.....	1-17
1.3.5 Outcomes of Management Programs.....	1-18
1.4 CONSIDERING THE INTRODUCTION OF A NONNATIVE OYSTER.....	1-20
<b>2 DESCRIPTION OF THE PROPOSED ACTION AND ALTERNATIVES.....</b>	<b>2-1</b>
2.1 DEVELOPMENT OF THE PROPOSED ACTION AND ALTERNATIVES .....	2-1
2.1.1 Estimating a Benchmark Population Based on the Statement of Purpose.....	2-1
2.1.2 Defining the Proposed Action.....	2-2
2.1.3 Defining the Alternatives.....	2-3
2.2 ALTERNATIVES EVALUATED IN THE PEIS.....	2-4
2.2.1 Alternative 1: No Action.....	2-4

2.2.2	Alternative 2: Enhance Efforts to Restore the Native Oyster .....	2-4
2.2.3	Alternative 3: Harvest Moratorium.....	2-7
2.2.4	Alternative 4: Cultivate Eastern Oysters.....	2-7
2.2.5	Alternative 5: Cultivate a Nonnative Oyster.....	2-8
2.2.6	Alternative 8: Combination of Alternatives.....	2-9
2.3	ALTERNATIVES CONSIDERED BUT ELIMINATED FROM DETAILED ANALYSIS .....	2-10
2.3.1	Alternative 6: Introduce Another Nonnative Oyster Species .....	2-10
2.3.2	Alternative 7: Introduce the Suminoe Oyster and Discontinue Efforts to Restore the Eastern Oyster.....	2-15
<b>3</b>	<b>AFFECTED ENVIRONMENT .....</b>	<b>3-1</b>
3.1	OYSTERS AND THEIR ROLES IN ECOSYSTEM PROCESSES .....	3-2
3.2	OTHER POTENTIALLY AFFECTED COMPONENTS OF THE ECOSYSTEM .....	3-7
3.2.1	Soft-bottom Benthos .....	3-7
3.2.2	Submerged Aquatic Vegetation .....	3-9
3.2.3	Blue Crab .....	3-10
3.2.4	Phytoplankton .....	3-11
3.2.5	Zooplankton .....	3-13
3.2.6	Planktivorous Fish .....	3-14
3.2.7	Reef-oriented Fish.....	3-15
3.2.8	Piscivorous Fish.....	3-16
3.2.9	Reptiles .....	3-16
3.2.10	Avian Oyster Predators .....	3-17
3.2.11	Avian Piscivores .....	3-17
3.2.12	Avian Bottom Feeders .....	3-18
3.2.13	Mammalian Piscivores.....	3-19
3.3	WATER QUALITY .....	3-19
3.4	RARE, THREATENED, AND ENDANGERED SPECIES .....	3-22
3.4.1	Fish.....	3-24
3.4.2	Birds.....	3-24
3.4.3	Reptiles .....	3-26
3.4.4	Insects .....	3-27
3.4.5	Plants.....	3-27
3.5	ESSENTIAL FISH HABITAT.....	3-27
3.5.1	Planktivorous Species.....	3-30
3.5.2	Piscivorous Species.....	3-31
3.5.3	Reef-Oriented Species .....	3-33
3.5.4	Skates and Founders .....	3-35
3.6	CULTURAL AND SOCIOECONOMIC ENVIRONMENT .....	3-37
3.7	VISUAL, AESTHETIC, AND RECREATIONAL RESOURCES .....	3-41
3.7.1	Visual and Aesthetic Resources.....	3-41
3.7.2	Recreation .....	3-42
3.8	HISTORIC AND ARCHAEOLOGICAL RESOURCES .....	3-44
3.8.1	Legal and Regulatory Background .....	3-44
3.8.2	Research Methods.....	3-45

3.8.3	Kinds of Cultural Resources within the Project Area.....	3-46
3.9	WETLANDS .....	3-50
3.10	SANCTUARIES AND REFUGES .....	3-52
3.10.1	Sanctuaries .....	3-52
3.10.2	Refuges .....	3-56
3.11	ENVIRONMENTAL JUSTICE.....	3-58
3.12	AIR QUALITY .....	3-58
3.13	PUBLIC SAFETY AND FOULING .....	3-59
3.14	COMMERCIAL NAVIGATION.....	3-60
3.15	POTENTIALLY AFFECTED RESOURCES OUTSIDE OF CHESAPEAKE BAY.....	3-61
<b>4</b>	<b>ENVIRONMENTAL CONSEQUENCES.....</b>	<b>4-1</b>
4.1	OYSTERS .....	4-2
4.1.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-2
4.1.2	Alternative 1: No Action.....	4-18
4.1.3	Alternative 2: Enhance Restoration .....	4-21
4.1.4	Alternative 3: Harvest Moratorium.....	4-27
4.1.5	Alternative 4: Cultivate Eastern Oysters.....	4-31
4.1.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-40
4.1.7	Alternative 8: Combination of Alternatives.....	4-50
4.2	OTHER COMPONENTS OF THE ECOSYSTEM.....	4-51
4.2.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-53
4.2.2	Alternative 1: No Action.....	4-57
4.2.3	Alternative 2: Enhance Restoration .....	4-59
4.2.4	Alternative 3: Harvest Moratorium.....	4-59
4.2.5	Alternative 4: Cultivate Eastern Oysters.....	4-62
4.2.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-64
4.2.7	Alternative 8: Combination of Alternatives.....	4-65
4.3	WATER QUALITY .....	4-66
4.3.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-68
4.3.2	Alternative 1: No Action.....	4-74
4.3.3	Alternative 2: Enhance Restoration .....	4-74
4.3.4	Alternative 3: Harvest Moratorium.....	4-74
4.3.5	Alternative 4: Cultivate Eastern Oysters.....	4-75
4.3.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-75
4.3.7	Alternative 8: Combination of Alternatives.....	4-75
4.4	RARE, THREATENED, AND ENDANGERED SPECIES .....	4-76
4.4.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-77
4.4.2	Alternative 1: No Action.....	4-81
4.4.3	Alternative 2: Enhance Restoration .....	4-84
4.4.4	Alternative 3: Harvest Moratorium.....	4-87
4.4.5	Alternative 4: Cultivate Eastern Oysters.....	4-89

4.4.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-91
4.4.7	Alternative 8: Combination of Alternatives.....	4-93
4.5	ESSENTIAL FISH HABITAT.....	4-93
4.5.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-96
4.5.2	Alternative 1: No Action.....	4-96
4.5.3	Alternative 2: Enhance Restoration.....	4-99
4.5.4	Alternative 3: Harvest Moratorium.....	4-100
4.5.5	Alternative 4: Cultivate Eastern Oysters.....	4-101
4.5.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-102
4.5.7	Alternative 8: Combination of Alternatives.....	4-103
4.6	CULTURAL, SOCIOECONOMIC, AND ECONOMIC EFFECTS.....	4-104
4.6.1	Cultural and Socioeconomic Effects.....	4-104
4.6.2	Economic Effects.....	4-121
4.7	VISUAL, AESTHETIC, AND RECREATIONAL RESOURCES.....	4-139
4.7.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-139
4.7.2	Alternative 1: No Action.....	4-140
4.7.3	Alternative 2: Enhance Restoration.....	4-140
4.7.4	Alternative 3: Harvest Moratorium.....	4-141
4.7.5	Alternative 4: Cultivate Eastern Oysters.....	4-141
4.7.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-142
4.7.7	Alternative 8: Combination of Alternatives.....	4-142
4.8	HISTORIC AND ARCHEOLOGICAL RESOURCES.....	4-143
4.8.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-144
4.8.2	Alternative 1: No Action.....	4-145
4.8.3	Alternative 2: Enhance Restoration.....	4-146
4.8.4	Alternative 3: Harvest Moratorium.....	4-146
4.8.5	Alternative 4: Cultivate Eastern Oysters.....	4-146
4.8.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-147
4.8.7	Alternative 8: Combination of Alternatives.....	4-147
4.9	WETLANDS.....	4-148
4.9.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-148
4.9.2	Alternative 1: No Action.....	4-148
4.9.3	Alternative 2: Enhance Restoration.....	4-148
4.9.4	Alternative 3: Harvest Moratorium.....	4-149
4.9.5	Alternative 4: Cultivate Eastern Oysters.....	4-149
4.9.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-149
4.9.7	Alternative 8: Combination of Alternatives.....	4-149
4.10	SANCTUARIES AND REFUGES.....	4-149
4.10.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-150
4.10.2	Alternative 1: No Action.....	4-150
4.10.3	Alternative 2: Enhanced Restoration.....	4-150
4.10.4	Alternative 3: Harvest Moratorium.....	4-150

4.10.5	Alternative 4: Cultivate Eastern Oysters.....	4-151
4.10.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-151
4.10.7	Alternative 8: Combination of Alternatives.....	4-151
4.11	ENVIRONMENTAL JUSTICE.....	4-151
4.11.1	Proposed Action: Introduction of Diploid Suminoe Oyster and Continuation of Eastern Oyster Restoration .....	4-152
4.11.2	Alternative 1: No Action.....	4-152
4.11.3	Alternative 2: Enhanced Restoration .....	4-152
4.11.4	Alternative 3: Harvest Moratorium.....	4-152
4.11.5	Alternative 4: Cultivate Eastern Oysters.....	4-153
4.11.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-153
4.11.7	Alternative 8: Combination of Alternatives.....	4-153
4.12	AIR QUALITY .....	4-153
4.12.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-154
4.12.2	Alternative 1: No Action.....	4-154
4.12.3	Alternative 2: Enhance Restoration .....	4-154
4.12.4	Alternative 3: Harvest Moratorium.....	4-155
4.12.5	Alternative 4: Cultivate Eastern Oysters.....	4-155
4.12.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-155
4.12.7	Alternative 8: Combination of Alternatives.....	4-155
4.13	PUBLIC SAFETY AND FOULING .....	4-156
4.13.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-156
4.13.2	Alternative 1: No Action.....	4-159
4.13.3	Alternative 2: Enhance Restoration .....	4-160
4.13.4	Alternative 3: Harvest Moratorium.....	4-160
4.13.5	Alternative 4: Cultivate Eastern Oysters.....	4-160
4.13.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-160
4.13.7	Alternative 8: Combination of Alternatives.....	4-161
4.14	COMMERCIAL NAVIGATION.....	4-161
4.14.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-161
4.14.2	Alternative 1: No Action.....	4-162
4.14.3	Alternative 2: Enhance Restoration .....	4-162
4.14.4	Alternative 3: Harvest Moratorium.....	4-162
4.14.5	Alternative 4: Cultivate Eastern Oysters.....	4-162
4.14.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-162
4.14.7	Alternative 8: Combination of Alternatives.....	4-162
4.15	POTENTIALLY AFFECTED RESOURCES OUTSIDE OF CHESAPEAKE BAY.....	4-163
4.15.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-163
4.15.2	Alternative 1: No Action.....	4-168
4.15.3	Alternative 2: Enhance Restoration .....	4-168
4.15.4	Alternative 3: Harvest Moratorium.....	4-168
4.15.5	Alternative 4: Cultivate Eastern Oysters.....	4-168

4.15.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-168
4.15.7	Alternative 8: Combination of Alternatives.....	4-168
4.16	CUMULATIVE IMPACTS .....	4-169
4.16.1	Proposed Action: Introduce the Suminoe Oyster and Continue Efforts to Restore the Eastern Oyster.....	4-170
4.16.2	Alternative 1: No Action.....	4-171
4.16.3	Alternative 2: Enhance Restoration .....	4-171
4.16.4	Alternative 3: Harvest Moratorium.....	4-171
4.16.5	Alternative 4: Cultivate Eastern Oysters.....	4-172
4.16.6	Alternative 5: Cultivate a Nonnative Oyster.....	4-172
4.16.7	Alternative 8: Combination of Alternatives.....	4-173
<b>5</b>	<b>PUBLIC OUTREACH, AGENCY COORDINATION, AND CONSULTATION .....</b>	<b>5-1</b>
5.1	PURPOSE, NEED, AND REQUIREMENTS FOR PUBLIC OUTREACH AND AGENCY COORDINATION .....	5-1
5.2	PUBLIC OUTREACH AND AGENCY COORDINATION PROCESS .....	5-2
5.2.1	Participants.....	5-2
5.2.2	Communication Methods.....	5-5
5.2.3	Process .....	5-7
5.2.4	Public Outreach and Agency Coordination Following Publication of the Draft PEIS .....	5-12
5.3	REQUIRED CONSULTATIONS.....	5-12
5.3.1	Endangered Species Act (ESA) Section 7 Consultation.....	5-12
5.3.2	Essential Fish Habitat Consultation .....	5-13
5.3.3	Fish and Wildlife Coordination Act Consultation .....	5-13
5.3.4	National Historic Preservation Act Section 106 Consultation.....	5-14
<b>6</b>	<b>REFERENCES.....</b>	<b>6-1</b>
<b>7</b>	<b>LIST OF PREPARERS.....</b>	<b>7-1</b>
<b>8</b>	<b>DISTRIBUTION LIST.....</b>	<b>8-1</b>
8.1	FEDERAL AGENCIES .....	8-1
8.2	STATE AGENCIES.....	8-2
8.3	BUSINESS AND CIVIC ORGANIZATIONS .....	8-3
8.4	LIBRARIES .....	8-4
8.5	ADVISORS AND COMMITTEE MEMBERS .....	8-5

## APPENDICES

A	A Demographic Model of Oyster Populations in the Chesapeake Bay to Evaluate Proposed Oyster-Restoration Alternatives .....	A-1
B	Ecological Risk Assessment for Oyster Restoration Alternatives .....	B-1
C	Development of Assessment Scenarios for Aquaculture Alternatives for the PEIS for Oyster Restoration .....	C-1
D	Economic Analysis for the PEIS for Oyster Restoration.....	D-1
E	Evaluation of Cultural and Socioeconomic Effects of Oyster Restoration Strategies for Chesapeake Bay.....	E-1
F	Cultural History of the Chesapeake Bay Region .....	F-1
G	Agency Coordination Summary .....	G-1
H	Chesapeake Bay Environmental Modeling Package .....	H-1

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## LIST OF TABLES

<b>Table</b>	<b>Page</b>
ES-1	Summary of potential effects of proposed action and Alternatives 1 through 5 .. ES-11
ES-2	Summary of environmental consequences of the combinations of alternatives ... ES-16
2-1	Overview of proposed action and alternatives evaluated in the Draft PEIS for Oyster Restoration in Chesapeake Bay ..... 2-11
2-2	Comparison of environmental preferences and tolerances of nonnative oysters considered for use in Chesapeake Bay..... 2-13
3-1	Summary of potentially affected ecosystem components and representative species evaluated in the ERA..... 3-8
3-2	RTE species that may be present in the project area ..... 3-23
3-3	Summary of EFH within Chesapeake Bay for 21 Federally managed species..... 3-28
3-4	Oyster surcharges and licenses per year for Maryland and Virginia ..... 3-39
3-5	General kinds of cultural resources present in the Chesapeake Bay region. .... 3-46
3-6	Submerged archaeological sites in the project area by state and county or city..... 3-48
3-7	Components of the Maryland and Virginia NERRS reserves ..... 3-53
3-8	National Wildlife Refuges that encompass estuarine habitat in Chesapeake Bay ... 3-56
4-1	Numbers of growers and triploid Suminoe oysters involved in VSC trials..... 4-1
4-2	Representative plan for introducing Suminoe oysters in Chesapeake Bay..... 4-3
4-3	Total number of hatchery spat planted, allocation of spat within each manage- ment area, and number of acres to be planted annually under Alternative 1 ..... 4-18
4-4	Acres of oyster bars rehabilitated within each management area and acres restored in sanctuaries, reserves, and open harvest areas under Alternative 1..... 4-20
4-5	Number of acres to be planted under Alternative 1 and Alternative 2a..... 4-24
4-6	Total acres of oyster bars rehabilitated within each management area and acres restored in sanctuaries, reserves and open-harvest areas over a 10-year period under Alternative 2 ..... 4-27
4-7	Estimated annual production at each of the nine aquaculture locations identified for the assessment scenario..... 4-34
4-8	Estimated area required to cultivate 676.9 million Eastern oysters annually ..... 4-36

4-9	Potentially additive influences of components of Combinations of Alternatives 8a, 8b, and 8c on RTE species in Chesapeake Bay based on individual assessments of the proposed action and alternatives presented in this section .....	4-94
4-10	Potential effects of the proposed action on managed species with designated EFH in Chesapeake Bay .....	4-97
4-11	Potential effects of Alternative 1 on managed species with designated EFH in Chesapeake Bay .....	4-98
4-12	Potential effects of Alternative 2 on managed species with designated EFH in Chesapeake Bay .....	4-99
4-13	Potential effects of Alternative 3 on managed species with designated EFH in Chesapeake Bay .....	4-100
4-14	Potential effects of Alternative 4 on managed species with designated EFH in Chesapeake Bay .....	4-102
4-15	Potential effects of Alternative 5 on managed species with designated EFH in Chesapeake Bay .....	4-103
4-16	Estimated 10-year net present value of costs to implement the proposed action ..	4-124
4-17	Federal and State expenditures for oyster restoration by jurisdiction and placement on sanctuaries or harvest bars, 1994-2006 .....	4-127
4-18	Estimated 10-year net present value of costs to implement Alternative 1.....	4-128
4-19	Projected annual lands, Chesapeake Bay price, gross revenues, harvest costs and net revenues based on random draws from a normal distribution .....	4-128
4-20	Estimated wholesale value and revenue net of oyster cost for projected oyster harvest from Chesapeake Bay .....	4-129
4-21	Estimated 10-year net present value of cost to implement Alternative 2 .....	4-130
4-22	A scenario for growth and estimated net present value of an Eastern oyster aquaculture industry for the 10-year PEIS assessment period.....	4-134
4-23	A scenario for growth and estimated net present value of a triploid Suminoe oyster aquaculture industry for the 10-year PEIS assessment period.....	4-136

## LIST OF FIGURES

Figure		Page
1-1	Commercial landings of oysters in the Chesapeake Bay from 1880 to 2005 .....	1-4
1-2	State and Federal funding for oyster sanctuary and harvest programs in Maryland and Virginia from 1994 through 2006.....	1-17
1-3	Estimated biomass of oysters present in the Maryland and Virginia portions of Chesapeake Bay from 1994 to 2006.....	1-19
3-1	Distribution on existing oyster cultch in Chesapeake Bay, with salinity zones .....	3-1
3-2	Mean annual discharge into the Chesapeake Bay between 1935 and 2005.....	3-6
3-3	Employment in Virginia oyster aquaculture sector during 2005 and 2006, estimated 2007 employment .....	3-41
3-4	Estuarine wetlands within Chesapeake Bay and its tributaries.....	3-51
3-5	Components of the NERRS reserves in Maryland and Virginia .....	3-55
3-6	National Wildlife Refuges in Maryland and Virginia that encompass oyster habitat.....	3-57
3-7	Areas of commercial ship traffic in Maryland and Virginia.....	3-61
3-8	Range of the Eastern oyster .....	3-63
4-1	Location of plantings of hatchery-raised spat on sanctuaries, harvest reserves, and open harvest areas, and location of oyster-bar rehabilitation activities for Alternative 1.....	4-19
4-2	Location of oyster spat plantings on sanctuaries, harvest reserves, and open-harvest areas and location of oyster bar rehabilitation activities for Alternative 2a.....	4-25
4-3	Location of oyster spat plantings on sanctuaries, harvest reserves, and open-harvest areas and location of oyster bar rehabilitation activities for Alternative 2b.....	4-26
4-4	Assessment scenario for large-scale aquaculture operations in Chesapeake Bay .....	4-34
4-5	Trains of floats at the Marinetics aquaculture facility on the Choptank River, Maryland.....	4-35
4-6	Model of pathways for triploid-to-diploid risk assessment .....	4-45
4-7	RRM outcome for Alternative 1 .....	4-58
4-8	RRM outcome for Alternative 2 .....	4-60
4-9	RRM outcome for Alternative 3 .....	4-60

4-10	RRM risk scores for Alternative 4, assuming that cultivated oysters provide negligible habitat or food for other ecological receptors .....	4-63
4-11	Selected segments for detailed evaluation of the effects of oysters.....	4-69
4-12	Summer bottom dissolved oxygen in Bay Segments CB-4, EE-2 and ET-9 with no oysters, an increase in oyster biomass to 10 times present levels, and under historic levels of oyster abundance .....	4-71
4-13	Light attenuation in Bay Segments CB-4, EE-2 and ET-9 with no oysters, an increase in oyster biomass to 10 times present levels, and under historic levels of oyster abundance .....	4-72
4-14	Biomass of SAV in Bay Segments CB-4, EE-2 and ET-9 with no oysters, an increase in oyster biomass to 10 times present levels, and under historic levels of oyster abundance .....	4-73
4-15	Cultural model of oyster restoration to accomplish multiple goals .....	4-106
4-16	Number of registered watermen by zip code and salinity zones .....	4-113
4-17	Representative sites for expanded oyster aquaculture and residence of watermen.....	4-118
4-18	Oyster demand showing bushel prices versus bushels harvested .....	4-123
4-19	Probability of economic success for intensive aquaculture of triploid Suminoe oysters and triploid Eastern oysters at different output prices.....	4-136
4-20	Firm survival for Suminoe oyster aquaculture production when expected seed costs vary from \$1.50-\$3.00 per thousand.....	4-137

## LIST OF ACRONYMS

ACC	Aquaculture Coordinating Council
AEZ	Aquaculture Enterprise Zones
ARB	Aquaculture Review Board
ASMFC	Atlantic States Marine Fisheries Commission
AWOIS	Automated Wreck and Obstruction Information System
CBEMP	Chesapeake Bay Environmental Model Package
CBF	Chesapeake Bay Foundation
CBP	Chesapeake Bay Program
CCA	Coastal Conservation Association
CENAB	U.S. Army Corps of Engineers, Baltimore District
CENAO	U.S. Army Corps of Engineers, Norfolk District
CEQ	Council on Environmental Quality
CRMC	Coastal Research Management Council
CZM	Coastal Zone Management
DDT	Dichlorodiphenyltrichloroethane
DEBY	a disease-resistant strain of the Eastern oyster selectively bred from oysters from Delaware bay
DMMP	dredged material management plan
DNR	Maryland Department of Natural Resources
DO	dissolved oxygen
DOI	United States Department of Interior
EFH	essential fish habitat
EIS	Environmental Impact Statement
EO	Executive Order
EPA	U.S Environmental Protection Agency
ERA	Ecological Risk Assessment
ERAAG	Ecological Risk Assessment Advisory Group
ESA	Endangered Species Act
FONSI	Finding of No Significant Impact
FWS	U.S. Fish and Wildlife Service
GIS	geographic information systems
HAPC	habitat areas of particular concern
ICES	International Council for the Exploration of the Sea
ISTC	Interstate Shellfish Transport Committee
ISAC	Invasive Species Advisory Council

MANTA	Monitoring and Non-Tidal Assessment
MD MH	Maryland mesohaline zone (assessment unit for ERA)
MD OH	Maryland oligohaline zone (assessment unit for ERA)
MD PH	Maryland polyhaline zone (assessment unit for ERA)
MDE	Maryland Department of the Environment
MES	Maryland Environmental Service
MHT	Maryland Historical Trust
MOU	Memorandum of Understanding
MSFCMA	Magnuson-Stevens Fishery Conservation and Management Act
NCA	Northern China <i>ariakensis</i>
NEPA	National Environmental Policy Act of 1969
NERRS	National Estuarine Research Reserve System
NHPA	National Historic Preservation Act of 1966
NHR	National Heritage Resource
NIMP	National Invasive Species Management Plan
NISC	National Invasive Species Council
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NOI	Notice of Intent
NPS	National Park Service
NRC	National Research Council
NRHP	National Register of Historic Places
NWI	National Wetlands Inventory Project
NWP	nationwide permit
NWR	National Wildlife Refuge
OAP	Oyster Advisory Panel
ODM	oyster demographic model
OHL	Oyster Harvesting License
OMP	Oyster Management Plan
OOC	Oregon Oyster Company
OsHV	herpes-like virus
OSU	Oregon State University
PCBs	polychlorinated biphenyls
PCR	polymerase chain reaction
PDT	Project Delivery Team
PEIS	Programmatic Environmental Impact Statement
PRFC	Potomac River Fisheries Commission
PRG	peer review groups
PVC	polyvinyl chloride
RRM	Relative Risk Model
RTE	rare, threatened, or endangered

SAC	Scientific Advisory Committee
SAV	submerged aquatic vegetation
SCA	Southern China <i>ariakensis</i>
SHPOs	State Historic Preservation Officers
SRS	Special Resource Study
SSC	State Special Concern
STAC	Scientific and Technical Advisory Committee
TFL	Tidal Fish License
TNC	The Nature Conservancy
TSS	total suspended solids
UMD	University of Maryland
USACE	U.S. Army Corps of Engineers
USDOC	U.S. Department of Commerce
VA MH	Virginia mesohaline zone (assessment unit for ERA)
VA OH	Virginia oligohaline zone (assessment unit for ERA)
VA PH	Virginia polyhaline zone (assessment unit for ERA)
VDHR	Virginia Department of Historic Resources
VDNR	Virginia Department of Conservation and Recreation
VIMS	Virginia Institute of Marine Science
VMRC	Virginia Marine Resources Commission
VSC	Virginia Seafood Council
WCA	The Oregon stock of the Suminoe oyster
WNA	A hybrid Suminoe oyster produced by crossing stock WCA with a strain from Northern China (NCA)

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## GLOSSARY

Alternative -	A reasonable way to fix the identified problem or satisfy the stated need (40 CFR 1502.4).
Anadromous -	pertaining to a species of fish, such as salmon and shad, that ascends fresh-water streams from the sea to spawn.
Anoxia -	a condition in which the concentration of oxygen available to animals is insufficient to support the full function of body tissues (adj.: anoxic)
Anthropogenic -	relating to or resulting from the influence humans have on the natural world
Annelids -	segmented worms in the phylum Annelida, including earthworms and leeches; they are found in most wet environments, and include terrestrial, freshwater, and marine species
Bacterioplankton -	refers to the bacterial component of the plankton that drifts in the water column
Bathymetry -	the science of measuring ocean depths in order to determine the topography of the sea floor
Benthos -	organisms that live on or in the bottom of a body of water
Bight -	a curve or recess in a coastline or geographical feature
Bioaccumulate -	the tendency of an organism to absorb a toxic substance at a rate greater than that at which the substance is lost
Bioerosion-	the erosion of hard substrates by living organisms such as mollusks, polychaete worms, phoronids, sponges, crustaceans, echinoids, and fish; mechanisms of bioerosion include biotic boring, drilling, rasping, and scraping
Biodeposition -	the excretion of undigested materials, including feces and pseudo-feces, after active filter feeding by suspension-feeding bivalves; such material that falls to the sediment surface
Biogeography -	the science concerned with the geographical distribution of animal and plant life
Biomass -	the dry weight of living matter, including stored food, comprising the population of a particular species and expressed in terms of a given area or volume of the habitat

Biosecurity -	policies and measures taken to protect living resources from biological harm; encompasses prevention and mitigation of diseases, pests, and bioterrorism
Bivalves -	marine mollusks, including clams, oysters, and scallops, with a 2-valved, hinged shell; usually filter feeders that lack a distinct head
Bryozoans -	the moss animals, a major phylum of sessile, aquatic invertebrates with hardened exoskeletons that occur in colonies
Catadromous -	pertaining to fishes that live in fresh water and migrate to spawn in salt water
Cladoceran -	small, mainly freshwater branchiopod crustaceans, commonly called water fleas
Copepod -	small, usually minute, freshwater and marine crustaceans that serve as a major source of food for larger organisms
Congeneric-	referring to two or more species within the same genus
Conspecific -	referring to individuals or populations of a single species
Continental shelf -	the zone around the continent, that part of the continental margin extending from the shoreline and the continental slope
Crustaceans -	a class of arthropod animals in the subphylum Mandibulata with jointed feet and mandibles, two pairs of antennae, and segmented bodies encased in chitin
Cytochalasin B -	a cell-permeable mycotoxin that inhibits cytoplasmic division by blocking the formation of contractile microfilaments; inhibits cell movement and induces nuclear extrusion
Demersal	dwelling at or near the bottom of a body of water
Depuration -	removal of impurities, especially from bodily fluids; purification, cleansing.
Diploid -	cells that have two homologous copies of each chromosome, usually one from the mother and one from the father.
Disarticulation-	separation of the shells of a bivalve
Dissolution-	the process of dissolving a solid into solution
Diurnal-	repeated or recurring daily; having a daily cycle of completed actions in 24 hours and recurring every 24 hours.

Ecology -	the scientific study of the distribution and abundance of life and the interactions between organisms and their environment
Ecosystem -	a functional system that includes the organisms of a natural community, together with their environment
Empirical-	based on observation or experience rather than theory or pure logic
Epibenthic -	relating to the area on top of the sea floor
Epifauna -	organisms that live on the surface of the bottom of an ocean, lake, or stream, or on other bottom-dwelling organisms; adj: epifaunal
Euryhaline -	able to live in waters of a wide range of salinity
Eurythermal	adaptable to a wide range of temperatures
Heterotrophic -	an organism that obtains nourishment by ingesting and digesting organic matter
Hemolymph -	the circulating fluid of the open circulatory systems of many invertebrates
Hydrodynamic -	the study of the motion of a fluid and of the interactions of the fluid with its boundaries, especially in the incompressible, viscid case
Hypoxia -	oxygen deficiency; any state wherein a physiologically inadequate amount of oxygen is available to or used by tissue, without respect to cause or degree (adj.: hypoxic)
Infauna (infaunal) -	bottom-dwelling organisms that live within the sediment at the bottom of an ocean, lake, or stream
Intertidal-zone -	the area that is exposed to the air at low tide and submerged at high tide; also known as the foreshore
Intensity (of disease) -	a measure of the concentration of disease-causing parasites within an oyster; high disease intensity generally results in mortality
Invertebrate -	an animal without a backbone or internal skeleton
Keystone species -	a species that has a disproportionate effect on its environment relative to its abundance; such species affect many other organisms in an ecosystem and help to determine the kinds and numbers of other species in a community

Kleptoparasitism -	the 'stealing' of eggs, prey, nest material or other inanimate objects from one animal by another; literally, parasitism by theft
Macrophyte -	aquatic plants growing in or near water that are emergent, submergent, or floating
Megalops -	the postlarval stage of crabs that has a large or flexed abdomen and the full complement of appendages
Mesocosm -	an experimental apparatus or enclosure designed to approximate natural conditions, and in which environmental factors can be manipulated. Mesocosms characteristically include both natural species assemblages in addition to structured populations
Mesohaline -	moderately brackish, estuarine water with salinity ranging from 5 to 18 ppt
Mesozooplankton -	planktonic animals that range in size from 0.2 to 20 mm
Midden -	a dump for domestic waste
Mollusks -	one of the divisions of phyla of the animal kingdom containing snail, slugs, octopuses, squids, clams, mussels, and oysters; characterized by a shell-secreting organ, the mantle, and a radula (a food-rasping organ located in the forward area of the mouth)
Nekton -	free swimming aquatic animals that can propel themselves through the water column, independently of the action of waves and currents
Niche-	the role or physical location of an organism within its natural environment that determines its relations with other organisms and ensures its survival
Oligochaete -	a class of terrestrial or aquatic annelids (e.g. earthworms) that lack a specialized head, move using peristalsis, and have well-developed segmentation
Oligohaline-	nearly fresh to mildly brackish, estuarine water with salinity ranging from 0.5 to 5 ppt
Osmoregulation -	the active regulation of the osmotic pressure of bodily fluids to maintain the homeostasis of the body's water content; that is it keeps the body's fluids from becoming too dilute or too concentrated

Oocyst -	the spore phase of certain protists, such as <i>Cryptosporidium</i> and <i>Toxoplasma</i> ; this state can survive for lengthy periods outside a host and is very resistant.
Physiography -	one of the two major subfields of geography that focuses on understanding the processes and patterns in the natural environment
Phytoplankton -	microscopic algae suspended in the part of the water column of lakes, rivers, and seas that is penetrated by light
Pelagic -	the part of a body of water that is located in the open water column, i.e., the part of the ocean that is not near the coast or continental shelf; also known as the open-ocean zone
Piscivorous -	feeds on fish
Plankton -	small organisms, usually minute plants and animals, that float or drift in water, especially at or near the surface
Planktivorous -	a species that feeds on plankton
Polychaete -	a class of chiefly marine annelid worms (e.g. clam worms) usually with paired segmental appendages, separate sexes, and free-swimming larvae
Polyhaline -	estuarine water with salinity ranging from 18 to 30 ppt
Preferred alternative -	In a NEPA document, this is typically the action that is selected for implementation in the record of decision, after considering the purpose and need for action, individual and cumulative effects of action, and public comments. Typically, a proposed action and alternatives are considered in the Draft EIS. Then, the Final EIS identifies a preferred alternative that may be the proposed action, one of the other alternatives, or some combination of these. Some agencies (i.e., Bureau of Land Management) reverse the usage of the terms proposed action and preferred alternative.
Prevalence (of disease)-	A measure of the frequency of occurrence of infection (i.e., the percent of examined oysters that contain at least one disease-causing parasite)
Propagate -	to reproduce sexually or by other forms of multiplication or increase

Proposed Action -	A plan that contains sufficient details about the intended actions to be taken, or that will result, to allow alternatives to be developed and its environmental consequences to be analyzed (40 CFR 1508.23); a suggestion that triggers the preparation of an environmental impact statement
Prototype -	a model suitable for use in complete evaluation of form, design, and performance
Protozoans -	a diverse phylum of microorganisms; the structure varies from a simple, single-celled animal to colonial forms
Pseudofeces -	material rejected by suspension feeders or deposit feeders as potential food before entering the gut
Relict -	referring to a topographic feature that remains after other parts of the feature have been removed or have disappeared
Resistance (to disease) -	an oyster either is not susceptible to disease or is subject to only limited infection
Sessile -	permanently attached to a substrate
Seston -	particulate matter, such as plankton, organic detritus, and silt suspended in seawater
Siltation -	the building up of soil or granular material of a specific grain size derived from rock
Socioeconomics -	the study of the relationship between economic activity and social life
Stakeholder -	a party who affects, or can be affected by an action
Strain -	an animal or plant from a particular group whose characteristics are different in some way from others of the same group
Subaqueous -	pertaining to conditions and processes occurring in, under, or beneath the surface of water, especially fresh water
Subtidal -	pertaining to that part of the Earth's surface immediately below the intertidal zone and thus permanently covered with seawater
Suspension feeder -	an animal that feeds on small particles suspended in the water; particles may be minute living plants or animals, or products of excretion or decay from these or larger organisms
Sympatric -	pertaining to a species that occupies the same range as another species but maintains its identity by not interbreeding

Tetraploid -	pertaining to cells and organisms that have four homologous sets of chromosomes
Topography -	the general configuration of a surface, including its relief; may be a land or water-bottom surface
Trajectory -	the path a moving object follows through space; a trajectory can be described mathematically either by the geometry of the path, or as the position of the object over time
Triploid -	pertaining to cells and organisms that have three homologous sets of chromosomes
Trophic interactions -	pertaining to or functioning in nutrition
Tubificid oligochaetes -	a family of aquatic worms, like the sludge worm, that build tube-shaped shelters in the sand of riverbottoms and are key components of the benthic communities of many freshwater and marine ecosystems
Tunicates -	a subphylum of marine chordate animals that are filter feeders with thick, secreted covering layers, greatly reduced nervous systems, and notochords during only the larval stage
Veliger -	a larval planktotrophic mollusk in the stage where the shell, foot, and other structures make their appearance
Zooplankton -	microscopic animals that are free-swimming or suspended in the water of oceans, rivers, and lakes
Zoea -	an early larval stage of decapod crustaceans (e.g., crabs) distinguished by a relatively large cephalothorax, conspicuous eyes, and large, fringed antennae.

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