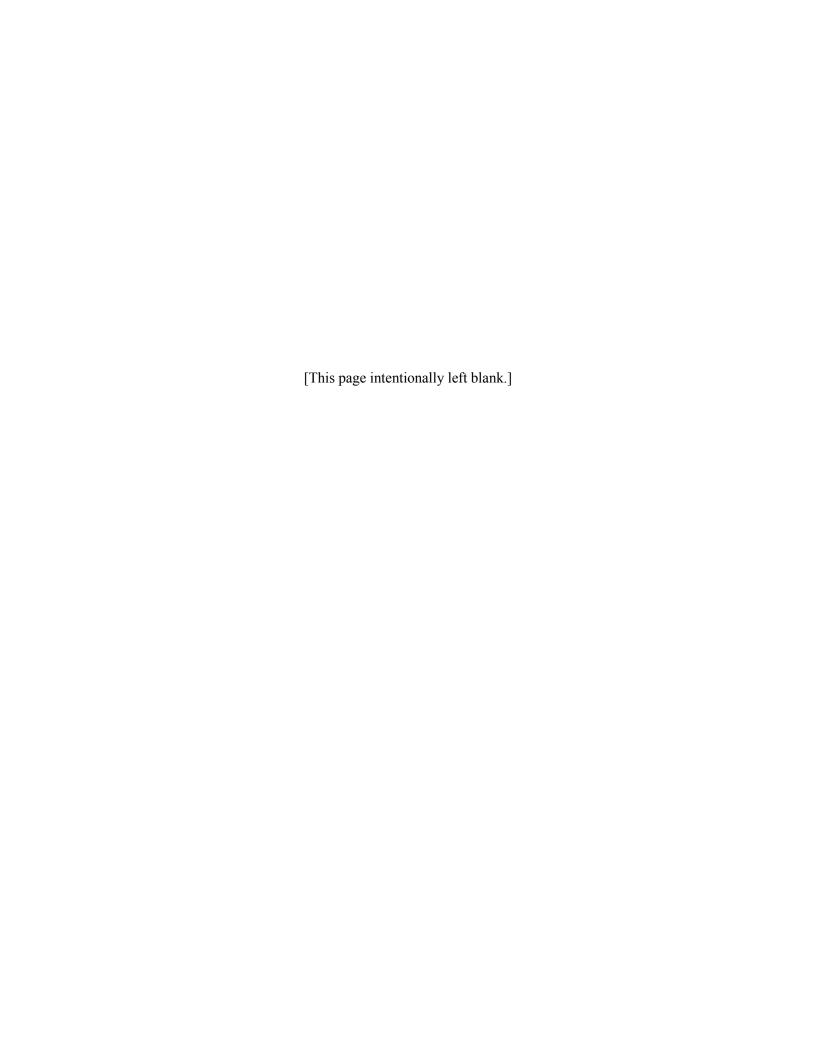
APPENDIX D:

AGENCY AND PUBLIC CORRESPONDENCE/COORDINATION – SCOPING, IICEP, DRAFT SSEA, AND FINAL SSEA



Distribution List for Draft Site-Specific EA for OOI

The following provides a list of federal and state agencies, tribal governments, and other interested parties that were sent a copy (electronic or hardcopy) of the Draft SSEA. Following the distribution list are representative letters illustrating the content of the initial Interagency/Intergovernmental Coordination for Environmental Planning (IICEP) letters as well as all written responses to the IICEP letters.

Agency/Jurisdiction	Contact					
USACE						
Headquarters	Dr. Mark Sudol Regulatory Branch, Headquarters U.S. Army Corps of Engineers 441 G Street, NW Washington, DC 20314					
Seattle District	Casey Ehorn, Project Manager USACE Seattle District PO Box 3755 Seattle, WA 98124-3755					
Portland District	James McMillan, Sr. Regulatory Project Manager US Army Corps of Engineers CENWP-0D-GP PO Box 2946					
Portland District	Portland, OR 97208-2946 Karen Kochenbach USACE Northwestern Division PO Box 2870 Portland, OR 97208-2870					
Portland District	Michael Turaski Chief, Regulatory Branch, Permits Section USACE Portland District PO Box 2946 Portland, OR 97208-2946					
Portland District	Dominic Yballe, Project Manager USACE Portland District PO Box 2946 Portland, OR 97208-2946					
New England District	Karen Adams, Regulatory Branch Chief USACE New England District 696 Virginia Rd Concord, MA 01742					
New England District	Kevin R. Kotelly, P.E. Regulatory Division US Army Corps of Engineers 696 Virginia Road Concord, MA 01742-2751					
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Region 1	Roger Janson, Director Water Quality Management Unit EPA Region 1 1 Congress St, Suite 1100 Boston, MA 02114-2023					
Region 1	Don Grant, SPCC Coordinator EPA Region 1 1 Congress St, Suite 1100 Boston, MA 02114-2023					
Region 1	Tim Williamson EPA Region 1 1 Congress St, Suite 1100 Boston, MA 02114-2023					

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	Steven Pothier
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1 st District	First Coastguard District
	408 Atlantic Ave.
	Boston, MA 02110
Cartan Cartlana tam	US Coast Guard Sector Southeastern New England
Sector Southeastern	Attention: Waterways Division 20 Risho Avenue
New England	East Providence, RI 02914
	D.R. Peloquin
	Commander, US Coast Guard
Sector Seattle	Chief, Waterways Management Branch
Sector Seattle	915 Second Ave.
	Seattle, WA 98174-1067
	Tim Westcott, PATON Manager
	13 th Coast Guard District
13 th District	915 2 nd Ave, Room 3510
	Seattle, WA 98174-1067
	Kate Jackson
	Waterways Management
Portland	USCG Sector Portland
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	John Fay
	Division of Endangered Species
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	Steve Leathery, National NEPA Coordinator
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Headquarters	1315 East-West Highway, Room 14555
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Headquarters	James Lecky, Director
	Office of Protected Resources
	1315 East West Highway
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	Angela Somma, Chief
	Endangered Species Division
Headquarters	NOAA National Marine Fisheries Service
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NW Regional Office	Barry Thom, Acting Regional Administrator NOAA National Marine Fisheries Service NW Regional Office 7600 Sand Point Way NE Seattle, WA 98115-0070					
OR Field Office	Michael Tehan, Director Oregon State Habitat Office 1201 NE Lloyd Blvd, Suite 1100 Portland, OR 97232					
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SW WA Branch	Dan Guy, Branch Chief NOAA Fisheries 510 Desmond Dr., SE, Suite 103 Lacey, WA 98503					
NE Regional Office	Patricia Kurkul, Regional Administrator NOAA National Marine Fisheries Service Northeast Regional Office One Blackburn Drive Gloucester, MA 01930-2298					
National Marine Sanctuaries	Vicki Wedell NOAA National Marine Sanctuaries Program 1305 East West Highway (N/ORM6) SSMC4, #11500 Silver Spring, MD 20910 cc: Steve Gittings, Science Coordinator					
Stellwagen Bank National Marine Sanctuary	Dr. Craig MacDonald, Superintendent Stellwagen Bank National Marine Sanctuary 175 Edward Foster Road Scituate, MA 02066					
Olympic Coast National Marine Sanctuary	Carol Bernthal, Superintendent Olympic Coast National Marine Sanctuary 115 Railroad Ave, E Port Angeles, WA 98362					
Olympic Coast National Marine Sanctuary	Ed Bowlby Olympic Coast National Marine Sanctuary 115 Railroad Ave, E Port Angeles, WA 98362					

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State Agencies				
Washington	Craig Zora, Aquatic Area Manager Washington Department of Natural Resources 601 Bond Rd.			
	Castle Rock, WA 98611-0190			
	Lori Ochoa Washington State Part of Facility			
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0	Oregon Department of Land Conservation & Development			
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C	Office of Long Island Sound Programs			
Connecticut	Department of Environmental Protection 79 Elm Street, 3 rd Floor			
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	Steven C. Resler, Deputy Bureau Chief			
New York	Division of Coastal Resources			
New Tolk	41 State Street			
OTATE HICEODIC DDI	Albany, NY 12231-0001			
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Massachuseus	220 Morrissey Blvd			
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Hoh Tribe	PO Box 2196			
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3611312	Makah Nation			
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	Quileute Nation			
Quileute Nation	PO Box 279			
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	Justine James			
	Cultural Resources			
Quinault Nation	Quinault Indian Nation			
Quintant i tation	PO Box 189			
	Taholah, WA 98587-0189			
	Ed Johnstone, Fisheries Resources, Policy Spokesperson			
Quinault Nation	Quinault Indian Nation			
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	Taholah, WA 98587-0189			
0 1 1 1 1	Joe Schumacker, Fisheries Resources			
	Quinault Indian Nation			
Quinault Nation	PO Box 189			
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	c/o NYS Dept. of Environmental Conservation			
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	Long Island City, 111 11101			

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	Manager, Marine Social Sciences		
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iviassaciiusetts	Massachusetts Institute of Technology		
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Mid-Atlantic Fishery	Mid-Atlantic Fishery Management Council		
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New England Fishery Management Council	New England Fishery Management Council 50 Water Street, Mill 2		
ivianagement Council	Newburyport, MA 01950		
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	Westport, WA 98595				
	Mark Cedergreen				
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	Bill Walsh, President				
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Oregon	2021 Marine Dr., Suite 102				
	Astoria, OR 97103				
	Craig Wenrick, Co-Chair				
0	Pacific City Dorymen's Association				
Oregon	P.O. Box 728				
	Pacific City, OR 97135				
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Oregon	P.O. Box 728				
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	Brad Pettinger				
	Oregon Trawl Commission				
Oregon					
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	Terry Dillman				
Oregon	Newport News Times				
C	831 NE Avery Street				
	Newport, OR 97365				

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	David Jincks				
	Midwater Trawlers Co-Op				
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Massachusetts	2 Blackburn Center				
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Magaaalayaa-tt-	Massachusetts Fishermen's Partnership				
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Distribution List for Draft SSEA

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Rhode Island	East Farm Campus, Building 59			
Rnode Island	University of Rhode Island			
	Kingston, RI 02881			
	Ocean State Fishermen's Association			
Rhode Island	10 Howard Street			
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Rhode Island	P.O. Box 421			
	Wakefield, RI 02880			
	Rhode Island Shellfisherman's Association			
Rhode Island	130 Lincoln St.			
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	Montauk, NY 11954			
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	Michael L. Marchetti, President			
	Eastern New England Scallop Association			
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Example IICEP Letter to Federal Agency



6765 NE Day Road Bainbridge Island, WA 98110 (206) 855-4997 rlspaulding@tecinc.com www.tecinc.com

5 May 2010

MEMORANDUM FOR: Mark Sudol

Regulatory Branch Headquarters

U.S. Army Corps of Engineers (USACE)

441 G Street, NW Washington, DC 20314

ON BEHALF OF: National Science Foundation (NSF)

Division of Ocean Sciences

Suite 725

4201 Wilson Blvd. Arlington, VA 22230

SUBJECT: Site Specific Environmental Assessment (EA) for the Ocean Observatories Initiative (OOI)

Dear Dr. Sudol,

On behalf of NSF, TEC Inc. (TEC), a subcontractor for The Consortium for Ocean Leadership (Ocean Leadership), is preparing a site-specific EA for the installation and operation of the OOI. The site-specific EA will be tiered off of previously developed documents including a Final Programmatic EA (PEA) (June 2008). TEC requested comments on the PEA from the USACE in January 2008; we did not receive any comments from USACE at that time. The Notice of Availability of the Draft PEA was published in the Federal Register on April 24, 2008 announcing the opening of a 30-day public comment period. The Final PEA was followed by a Finding of No Significant Impact (FONSI) (February 2009) and a Supplemental Environmental Report (SER) (April 2009). TEC requested comments on the SER from the USACE in April 2009; we did not receive any comments from the USACE at that time. The Final PEA, FONSI, and SER for the OOI can be viewed on NSF's website at: http://www.nsf.gov/geo/oce/envcomp/ under "Ocean Observatories Initiative".

As part of the NEPA process, the environmental analysis of the installation and operation of the OOI now moves from the programmatic to the site-specific stage. The site-specific EA will update information previously described in the PEA and SER with more detailed descriptions of the proposed infrastructure, noting any changes to the location of the infrastructure and the technology to be deployed, as well as addressing any new findings regarding potential impacts. The purpose of this letter is to invite the USACE to act as a Cooperating Agency to provide input early in the site-specific development process, and to assist NSF in identifying potential issues during the preparation of the site-specific EA.

Overview of the OOI

To provide the U.S. ocean sciences research community with the basic sensors and infrastructure required to make sustained, long-term, and adaptive measurements in the oceans, NSF's Division of Ocean Sciences is funding the construction and operation of the OOI using input from community-wide, national, and international scientific planning efforts. The OOI is building upon recent technological advances, experience with existing ocean observatories, and lessons learned from several successful pilot and test bed projects. When completed, the OOI will be an interactive, globally distributed, integrated network of cutting-edge ocean observing capabilities. The network will enable the next generation of

complex ocean studies at coastal, regional, and global scales. The OOI is a key NSF contribution to the broader effort to establish the operationally focused Integrated Ocean Observing System (IOOS). As these efforts mature, the research-focused observatories envisioned by the OOI will be networked to become an integral part of the IOOS and in turn will be a key and enabling U.S. contribution to the international Global Ocean Observing System (GOOS) and the Global Earth Observation System of Systems (GEOSS).

The OOI infrastructure includes cables, buoys, underwater vehicles, moorings, junction boxes, power generators (solar, wind, and fuel cell), and two-way communications systems. This large-scale infrastructure will support sensors located at the sea surface, in the water column, and at or beneath the seafloor. The OOI will also support data dissemination and archiving, oceanographic process modeling, and education and outreach activities essential to the long-term success of ocean science.

The OOI represents a significant departure from traditional approaches in oceanography and a shift from expeditionary to observatory-based research. It will include the first U.S. multi-node cabled observatory; fixed and relocatable coastal arrays coupled with mobile assets; and advanced buoys for interdisciplinary measurements, especially for data-limited areas of the Southern Ocean and other high-latitude locations.

The OOI Project is funded in part by the American Recovery and Reinvestment Act (ARRA) via a cooperative agreement with NSF. Three academic-based Implementing Organizations manage the construction, installation, and operation of the Coastal, Global, Regional, and Cyberinfrastructure components of the OOI. The OOI Program Office, located within Ocean Leadership, provides overall project management, integration, and oversight for the construction and operation of OOI infrastructure. Ocean Leadership is responsible to NSF for delivering the operational OOI network and will be the designated owner/operator of the OOI network.

Global-, Regional-, and Coastal-Scale Nodes

The OOI design includes several moored sensor arrays representing global, regional, and coastal scales. At the global and coastal scales, moored observatories will provide locally generated power to instruments for data collection, and use a satellite link to transmit data. Figures 1, 2a, and 3a represent the OOI infrastructure design at the time the PEA and the SER were completed. Figures 1, 2b, and 3b represent the infrastructure to be deployed in the next 5 years showing the reduction in infrastructure since the PEA and SER.

Four global-scale Nodes (GSN) or buoy sites will be located in the Northern and Southern hemispheres in the Eastern Pacific and Atlantic oceans (Figure 1). The Regional-scale Nodes (RSN) spanning the seafloor of the Juan de Fuca tectonic plate will consist of seafloor observatories with various chemical, biological, physical, and geological sensors linked to shore by submarine cables that provide power and Internet connectivity (Figure 2b). The Endurance Array off the coast of Washington and Oregon (Figure 2b) and the relocatable Pioneer Array off the coast of Massachusetts (Figure 3b) are Coastal-scale Nodes (CSN). Mobile assets - autonomous underwater vehicles (AUVs) and gliders - will be integrated with the GSN, RSN, and CSN observatories.

Environmental Compliance and Interagency Coordination

On behalf of the NSF and in accordance with 45 Code of Federal Regulations (CFR) Part 640, TEC is preparing a site-specific EA pursuant to the requirements of the National Environmental Policy Act (NEPA) (42 United States Code §4321, *et seq.*); the Council on Environmental Quality Regulations for Implementing the Procedural Provisions of NEPA (Title 40 CFR §§1500-1508); and Executive Order (EO) 12114, *Environmental Effects Abroad of Major Federal Actions*.

NSF is moving from the programmatic to the site-specific stage of compliance with the associated regulatory requirements. As explained above, the site-specific EA will be tiered off of the PEA to analyze any potential site-specific impacts not previously addressed in the PEA or SER. The site-specific EA will also serve as an umbrella document to demonstrate or support environmental compliance obligations with other applicable statutes including the River and Harbors Act (RHA), Clean Water Act (CWA), Endangered Species Act (ESA), Magnuson-Stevens Fishery Conservation and Management Act (MSA), and Coastal Zone Management Act (CZMA), among others.

In accordance with EO 12372, *Inter-governmental Review of Federal Programs* and to encourage efficiencies in completing the environmental reviews associated with the OOI, NSF invites USACE to be a Cooperating Agency during the preparation of the site-specific EA and also requests USACE's assistance in identifying potential issues to be addressed in the site-specific EA. Installation and operation of the OOI will not commence until all required environmental reviews, including NSF's compliance with the RHA, CWA, MSA, ESA, and CZMA and other applicable statutes, are completed.

On behalf of NSF, TEC requests your comments no later than 5 June 2010; however, comments received at any time throughout the NEPA process will be considered to the extent possible in the preparation of the EA. To submit comments or questions, or to request participation as a Cooperating Agency, please contact Rick Spaulding, Project Manager, TEC at (206) 855-4997, rlspaulding@tecinc.com or Jean McGovern, OOI Program Director, Division of Ocean Sciences, NSF at (703) 292-7591.

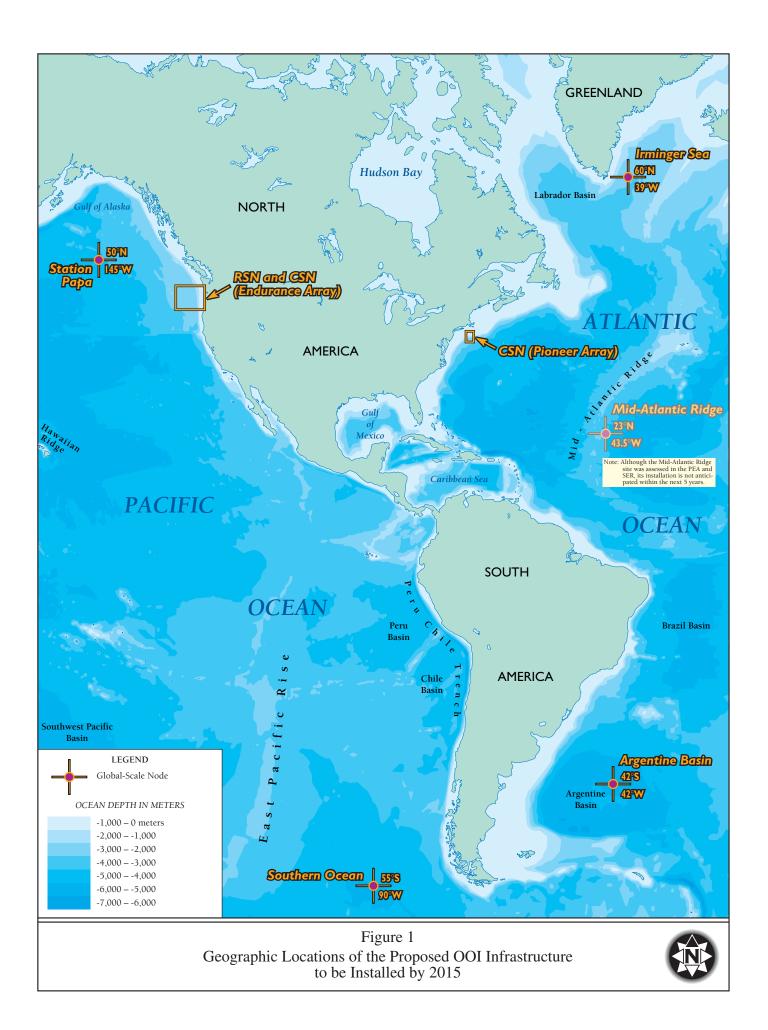
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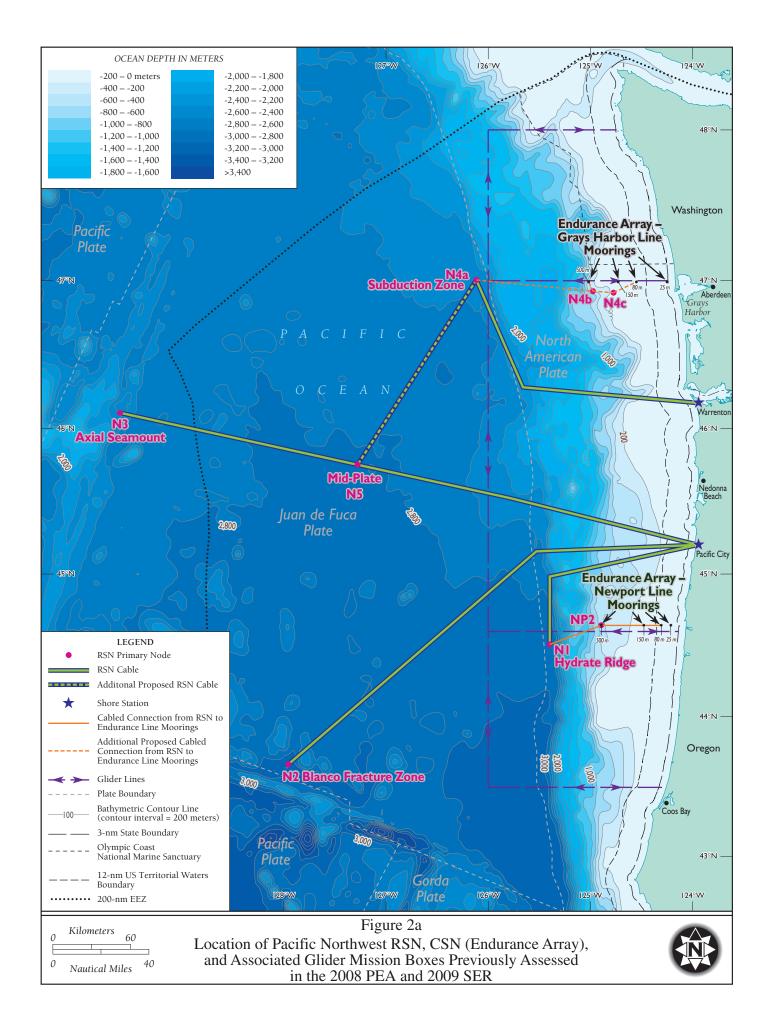
Rick Spaulding Sr. Biologist/Project Manager TEC Inc.

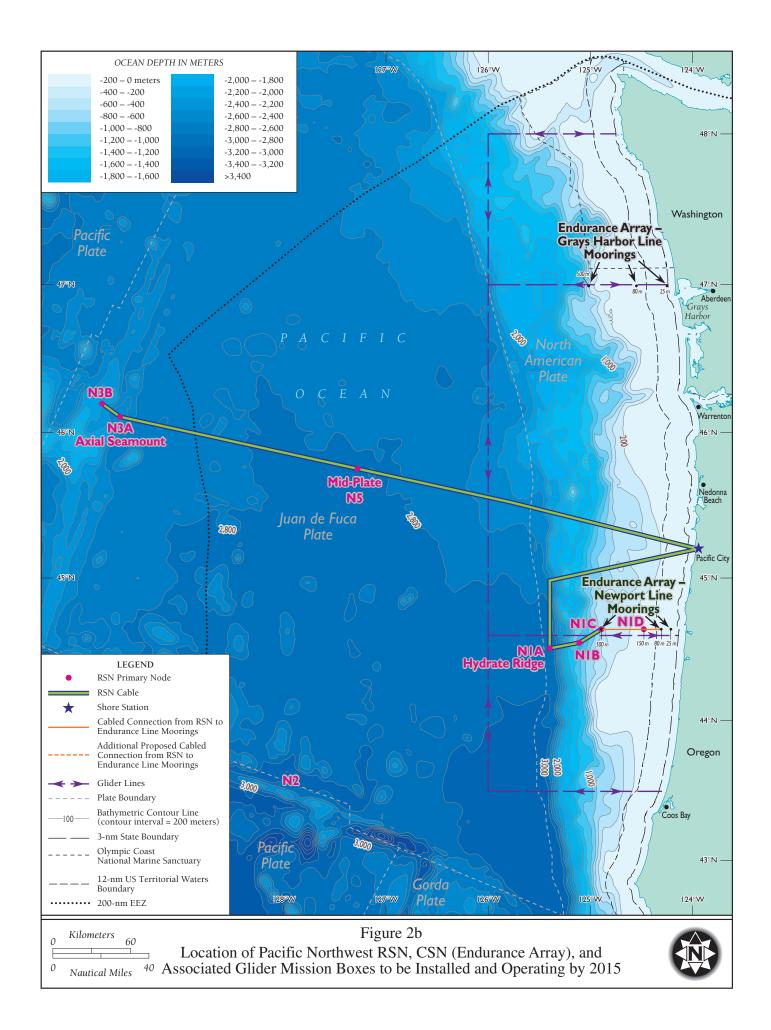
cc: Jean McGovern, OOI Program Director, NSF Susan Banahan, Associate Dir., OOI, Ocean Leadership Joanne Bintz, Science & Environmental Compliance Mgr., OOI, Ocean Leadership Karen Kochenbach, Northwestern Division, USACE Karen Adams, Regulatory Branch Chief, USACE New England District James McMillan, Sr. Regulatory Project Manager, Portland District Casey Ehorn, Project Manager, Seattle District

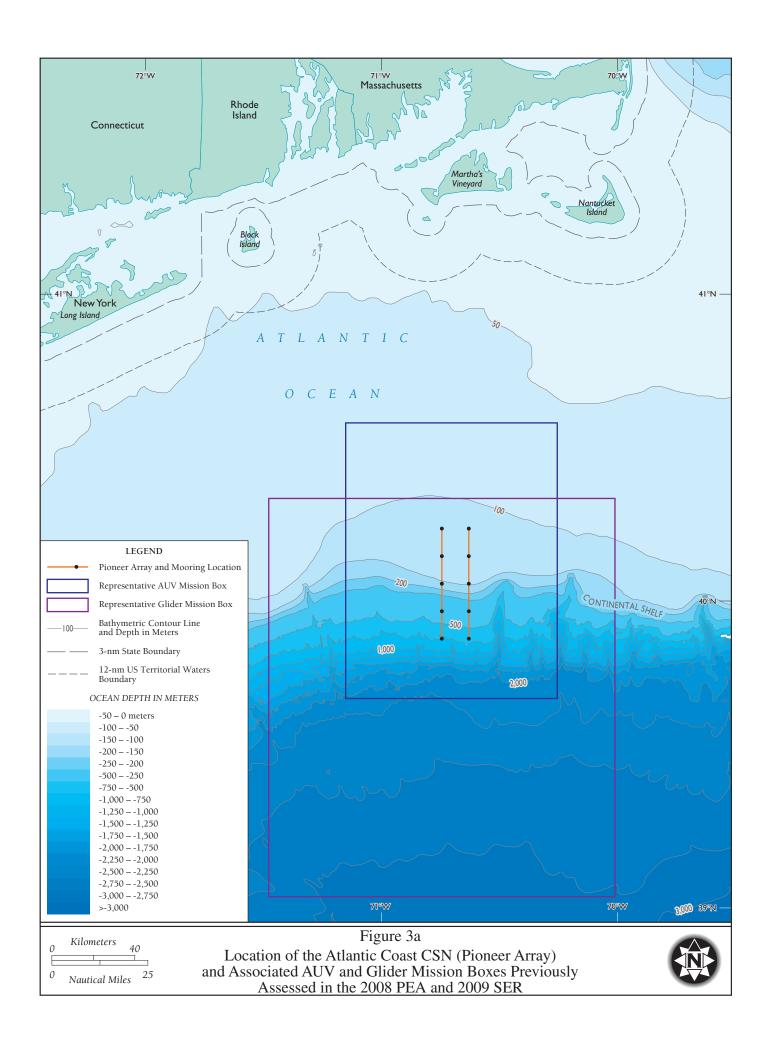
Attachments

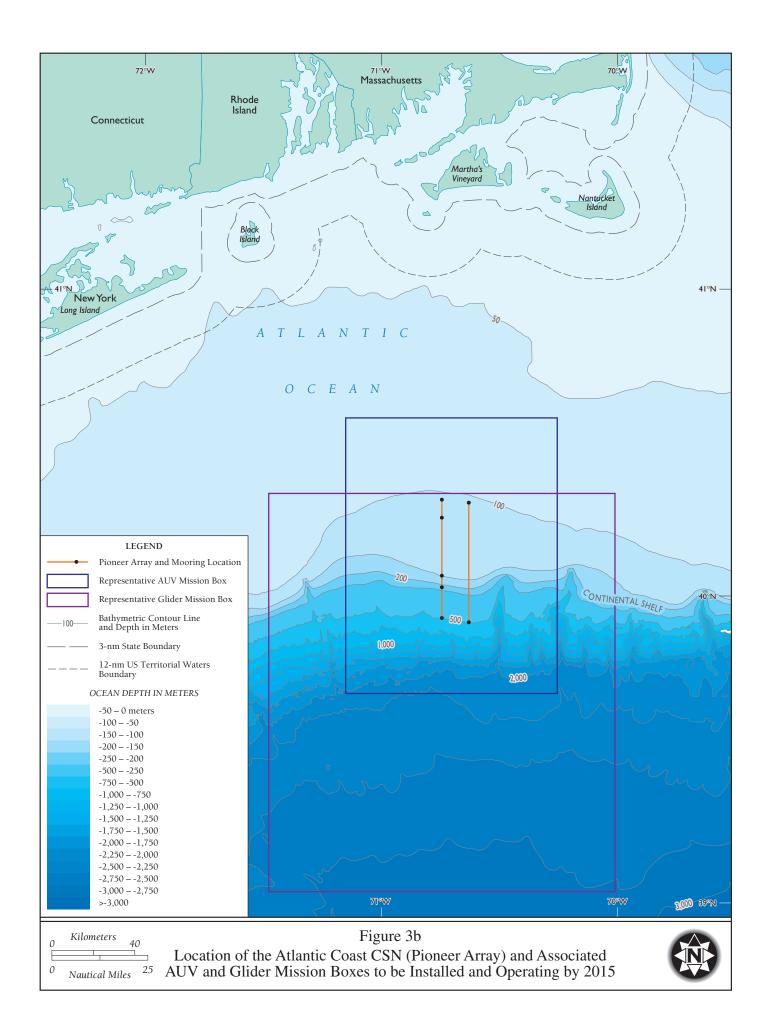
- Figure 1. Geographic Location of the Proposed OOI Infrastructure
- Figure 2a. Location of Pacific Northwest RSN, CSN (Endurance Array), and Associated Glider Mission Boxes Previously Assessed in the 2008 PEA and 2009 SER
- Figure 2b. Location of Pacific Northwest RSN, CSN (Endurance Array), and Associated Glider Mission Boxes to be Installed and Operating by 2015
- Figure 3a. Overview of the Proposed Locations of the Atlantic Coast CSN (Pioneer Array) and Associated AUV and Glider Mission Boxes Previously Assessed in the 2008 PEA and 2009 SER
- Figure 3b. Overview of the Proposed Locations of the Atlantic Coast CSN (Pioneer Array) and Associated AUV and Glider Mission Boxes to be Installed and Operating by 2015













Example IICEP Letter to State Agency

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9 April 2010

MEMORANDUM FOR: Craig Zora

Aquatic Area Manager

Washington Department of Natural Resources (DNR)

601 Bond Rd.

Castle Rock, WA 98611-0190

ON BEHALF OF: National Science Foundation (NSF)

Division of Ocean Sciences

Suite 725

4201 Wilson Blvd. Arlington, VA 22230

SUBJECT: Site-specific Environmental Assessment (EA) for the Ocean Observatories Initiative (OOI)

Dear Mr. Zora,

On behalf of NSF, TEC Inc. (TEC), a subcontractor for The Consortium for Ocean Leadership (Ocean Leadership), is preparing a site specific EA for the installation and operation of the OOI. The site-specific EA will be tiered off of previously developed documents including a Final Programmatic EA (PEA) (June 2008). TEC requested comments on the PEA from the DNR in January 2008; we did not receive any comments from the DNR at that time. The Notice of Availability of the Draft PEA was published in the Federal Register on April 24, 2008 announcing the opening of a 30-day public comment period. The Final PEA was followed by a Finding of No Significant Impact (FONSI) (February 2009) and a Supplemental Environmental Report (SER) (April 2009). TEC requested comments on the SER from the DNR in April 2009; we did not receive any comments from the DNR at that time. The Final PEA, FONSI, and SER for the OOI can be viewed on NSF's website at: http://www.nsf.gov/geo/oce/envcomp/ under "Ocean Observatories Initiative"

As part of the NEPA process, the environmental analysis of the installation and operation of the OOI now moves from the programmatic to the site-specific stage. The site-specific EA will update information previously described in the PEA and SER with more detailed descriptions of the proposed infrastructure, noting any changes to the location of the infrastructure and the technology to be deployed, as well as addressing any new findings regarding potential environmental impacts. The purpose of this letter is to invite the DNR to provide input early in the site-specific development process, and to assist NSF in identifying potential issues during the preparation of the site-specific EA.

Overview of the OOI

To provide the U.S. ocean sciences research community with the basic sensors and infrastructure required to make sustained, long-term, and adaptive measurements in the oceans, NSF's Division of Ocean Sciences is funding the construction and operation of the OOI using input from community-wide, national, and international scientific planning efforts. The OOI is building upon recent technological advances, experience with existing ocean observatories, and lessons learned from several successful pilot and test bed projects. When completed, the OOI will be an interactive, globally distributed, integrated network of cutting-edge ocean observing capabilities. The network will enable the next generation of

complex ocean studies at coastal, regional, and global scales. The OOI is a key NSF contribution to the broader effort to establish the operationally focused Integrated Ocean Observing System (IOOS). As these efforts mature, the research-focused observatories envisioned by the OOI will be networked to become an integral part of the IOOS and in turn will be a key and enabling U.S. contribution to the international Global Ocean Observing System (GOOS) and the Global Earth Observation System of Systems (GEOSS).

The OOI infrastructure includes cables, buoys, underwater vehicles, moorings, junction boxes, power generators (solar, wind, and fuel cell), and two-way communications systems. This large-scale infrastructure will support sensors located at the sea surface, in the water column, and at or beneath the seafloor. The OOI will also support data dissemination and archiving, modeling oceanographic processes, and education and outreach activities essential to the long-term success of ocean science.

The OOI represents a significant departure from traditional approaches in oceanography and a shift from expeditionary to observatory-based research. It will include the first U.S. multi-node cabled observatory; fixed and relocatable coastal arrays coupled with mobile assets; and advanced buoys for interdisciplinary measurements, especially for data-limited areas of the Southern Ocean and other high-latitude locations.

The OOI Project is funded in part by the American Recovery and Reinvestment Act (ARRA) via a cooperative agreement with NSF. Three academic-based Implementing Organizations manage the construction, installation, and operation of the Coastal, Global, Regional, and Cyberinfrastructure components of the OOI. The OOI Program Office, located within Ocean Leadership, provides overall project management, integration, and oversight for the construction and operation of OOI infrastructure. Ocean Leadership is responsible to NSF for delivering the operational OOI network and will be the designated owner/operator of the OOI network.

Global-, Regional-, and Coastal-Scale Nodes

The OOI design includes several moored sensor arrays representing global, regional, and coastal scales. At the global and coastal scales, moored observatories will provide locally generated power to instruments for data collection, and use a satellite link to transmit data. Figures 1, 2a, and 3a represent the OOI infrastructure design at the time the PEA and the SER were completed. Figures 1, 2b, and 3b represent the infrastructure to be deployed in the next 5 years showing the reduction in infrastructure since the PEA and SER.

Four global-scale Nodes (GSN) or buoy sites will be located in the Northern and Southern hemispheres in the Eastern Pacific and Atlantic oceans (Figure 1). The Regional-scale Nodes (RSN) spanning the seafloor of the Juan de Fuca tectonic plate will consist of seafloor observatories with various chemical, biological, physical, and geological sensors linked to shore by submarine cables that provide power and Internet connectivity (Figure 2b). The Endurance Array off the coast of Washington and Oregon (Figure 2b) and the relocatable Pioneer Array off the coast of Massachusetts (Figure 3b) represent Coastal-scale Nodes (CSN). Mobile assets - autonomous underwater vehicles (AUVs) and gliders - will be integrated with the GSN, RSN, and CSN observatories.

Environmental Compliance and Interagency Coordination

On behalf of the NSF and in accordance with 45 Code of Federal Regulations (CFR) Part 640, TEC is preparing a site-specific EA pursuant to the requirements of the National Environmental Policy Act (NEPA) (42 United States Code §4321, *et seq.*); the Council on Environmental Quality Regulations for Implementing the Procedural Provisions of NEPA (Title 40 CFR §§1500-1508); and Executive Order (EO) 12114, *Environmental Effects Abroad of Major Federal Actions*.

NSF is moving from the programmatic to the site-specific stage of compliance with the associated regulatory requirements. As explained above, the site-specific EA will be tiered off of the PEA to analyze any potential site-specific impacts not previously addressed in the PEA or SER. The site-specific EA will also serve as an umbrella document to demonstrate or support environmental compliance obligations with other applicable statutes including the River and Harbors Act (RHA), Clean Water Act (CWA), Endangered Species Act (ESA), Magnuson-Stevens Fishery Conservation and Management Act (MSA), and Coastal Zone Management Act (CZMA), among others. In particular, the site-specific EA will support a coastal consistency determination under the CZMA.

In accordance with EO 12372, *Inter-governmental Review of Federal Programs* and to encourage efficiencies in completing the environmental reviews associated with the OOI, we request DNR's assistance in identifying potential issues to be addressed in the site-specific EA for consistency with Washington's CZMA. Installation and operation of the OOI will not commence until all required environmental reviews, including NSF's compliance with the CZMA, RHA, CWA, CAA, MSA, ESA, and other applicable statutes, are completed.

On behalf of NSF, TEC requests your comments no later than 9 May 2010; however, comments received at any time throughout the NEPA process will be considered to the extent possible in the preparation of the EA. To submit comments or questions, please contact Rick Spaulding, Project Manager, TEC at (206) 855-4997, rlspaulding@tecinc.com or Jean McGovern, OOI Program Director, Division of Ocean Sciences, NSF at (703) 292-7591.

Rick Spaulding Sr. Biologist/Project Manager

R Sf

TEC Inc.

cc: Jean McGovern, Project Officer, NSF
Susan Banahan, Associate Dir., OOI, Ocean Leadership
Joanne Bintz, Science & Environmental Compliance Mgr., OOI, Ocean Leadership
Lori Ochoa, Washington Department of Ecology

Attachments

- Figure 1. Geographic Location of the Proposed OOI Infrastructure
- Figure 2a. Location of Pacific Northwest RSN, CSN (Endurance Array), and Associated Glider Mission Boxes Previously Assessed in the 2008 PEA and 2009 SER
- Figure 2b. Location of Pacific Northwest RSN, CSN (Endurance Array), and Associated Glider Mission Boxes to be Installed and Operating by 2015
- Figure 3a. Overview of the Proposed Locations of the Atlantic Coast CSN (Pioneer Array) and Associated AUV and Glider Mission Boxes Previously Assessed in the 2008 PEA and 2009 SER
- Figure 3b. Overview of the Proposed Locations of the Atlantic Coast CSN (Pioneer Array) and Associated AUV and Glider Mission Boxes to be Installed and Operating by 2015

Example IICEP Letter To Tribal Nation

NATIONAL SCIENCE FOUNDATION

4201 WILSON BOULEVARD ARLINGTON, VIRGINIA 22230

9 April 2010

MEMORANDUM:

TO: Ms. Justine James

Quinault Nation P.O. Box 189

Taholah, WA 98587-0189

FROM:

National Science Foundation (NSF)

Division of Ocean Sciences

Suite 725

4201 Wilson Blvd. Arlington, VA 22230

SUBJECT:

Site-specific Environmental Assessment (EA) for the Ocean Observatories

Initiative (OOI)

Dear Ms. James:

On behalf of NSF, TEC Inc. (TEC), a subcontractor for The Consortium for Ocean Leadership (Ocean Leadership), is preparing a site specific EA for the installation and operation of the OOI. The EA will be tiered off of previously developed documents including a Final Programmatic EA (PEA) (June 2008). The Notice of Availability of the Draft PEA was published in the Federal Register on April 24, 2008 announcing the opening of a 30-day public comment period. The Final PEA was followed by a Finding of No Significant Impact (FONSI) (February 2009) and a Supplemental Environmental Report (SER) (April 2009). The PEA, FONSI, and SER for the OOI can be viewed on NSF's website at: http://www.nsf.gov/geo/oce/envcomp/ under "Ocean Observatories Initiative".

As part of the NEPA process, the environmental analysis of the installation and operation of the OOI now moves from the programmatic to the site-specific stage. The site-specific EA will update information previously described in the PEA and SER with more detailed descriptions of the proposed infrastructure, noting any changes to the location of the infrastructure and the technology to be deployed, as well as addressing any new findings regarding potential environmental impacts. The purpose of this letter is to invite the Quinault Nation, which has natural or cultural resource interests and treaty rights within the project area, to provide input early in the site-specific development process and to assist NSF in the identification of potential issues during the preparation of the site specific EA.

Overview of the OOI

To provide the U.S. ocean sciences research community with the basic sensors and infrastructure required to make sustained, long-term, and adaptive measurements in the oceans, NSF's Division of Ocean Sciences is funding the construction and operation of the OOI using input from community-wide, national, and international scientific planning efforts. The OOI is building upon recent technological advances, experience with existing ocean observatories, and lessons learned from several successful pilot and test bed projects. When completed, the OOI will be an interactive, globally distributed, integrated network of cutting-edge ocean observing capabilities. The network will enable the next generation of complex ocean studies at coastal, regional, and global scales. The OOI is a key NSF contribution to the broader effort to establish the operationally focused Integrated Ocean Observing System (IOOS). As these efforts mature, the research-focused observatories envisioned by the OOI will be networked to become an integral part of the IOOS and in turn will be a key and enabling U.S. contribution to the international Global Ocean Observing System (GOOS) and the Global Earth Observation System of Systems (GEOSS).

The OOI infrastructure includes cables, buoys, underwater vehicles, moorings, junction boxes, power generators (solar, wind, and fuel cell), and two-way communications systems. This large-scale infrastructure will support sensors located at the sea surface, in the water column, and at or beneath the seafloor. The OOI will also support data dissemination and archiving, modeling oceanographic processes, and education and outreach activities essential to the long-term success of ocean science.

The OOI represents a significant departure from traditional approaches in oceanography and a shift from expeditionary to observatory-based research. It will include the first U.S. multi-node cabled observatory; fixed and relocatable coastal arrays coupled with mobile assets; and advanced buoys for interdisciplinary measurements, especially for data-limited areas of the Southern Ocean and other high-latitude locations.

The OOI Project is funded in part by the American Recovery and Reinvestment Act (ARRA) via a cooperative agreement with NSF. Three academic-based Implementing Organizations manage the construction, installation, and operation of the Coastal, Global, Regional, and Cyberinfrastructure components of the OOI. The OOI Program Office, located within Ocean Leadership, provides overall project management, integration, and oversight for the construction and operation of OOI infrastructure. Ocean Leadership is responsible to NSF for delivering the operational OOI network and will be the designated owner/operator of the OOI network.

Global-, Regional-, and Coastal-Scale Nodes

The OOI design includes several moored sensor arrays representing global, regional, and coastal scales. At the global and coastal scales, moored observatories will provide locally generated power to instruments for data collection, and use a satellite link to transmit data. Figures 1, 2a, and 3a represent the OOI infrastructure design at the time the PEA and the SER were completed. Figures 1, 2b, and 3b represent the infrastructure to be deployed in the next 5 years showing the reduction in infrastructure since the PEA and SER.

Four global-scale Nodes (GSN) or buoy sites will be located in the Northern and Southern hemispheres in the Eastern Pacific and Atlantic oceans (Figure 1). The Regional-scale Nodes (RSN) spanning the seafloor of the Juan de Fuca tectonic plate will consist of seafloor observatories with various chemical, biological, physical, and geological sensors linked to shore by submarine cables that provide power and Internet connectivity (Figure 2b). The Endurance Array off the coast of Washington and Oregon (Figure 2b) and the relocatable Pioneer Array off the coast of Massachusetts (Figure 3b) represent Coastal-scale Nodes (CSN). Mobile assets - autonomous underwater vehicles (AUVs) and gliders - will be integrated with the GSN, RSN, and CSN observatories.

Environmental Compliance and Interagency Coordination

On behalf of the NSF and in accordance with 45 Code of Federal Regulations (CFR) Part 640, TEC is preparing a site-specific EA pursuant to the requirements of the National Environmental Policy Act (NEPA) (42 United States Code §4321, et seq.); the Council on Environmental Quality Regulations for Implementing the Procedural Provisions of NEPA (Title 40 CFR §\$1500-1508); and Executive Order (EO) 12114, Environmental Effects Abroad of Major Federal Actions. The site-specific EA is also intended to document NSF's compliance with Section 106 of the National Historic Preservation Act (NHPA) (16 USC §470).

The PEA indicated that all recorded submerged cultural resources would be avoided by the proposed RSN submarine cables, anchored buoys of the CSN, and associated scientific instruments on the seafloor. In addition the proposed activities associated with the use of gliders and the installation and operation of the proposed Endurance Array – Grays Harbor Line (see Figure 2a) will not impact the use or availability of the Tribal Usual and Accustomed (U&A) fishing areas designated by treaty off the west coast of Washington State. These findings will be reviewed again for the site-specific EA.

NSF is moving from the programmatic to the site-specific stage of compliance with the associated regulatory requirements. As explained above, the site-specific EA will be tiered off of the PEA to analyze any potential site-specific impacts not previously addressed in the PEA or SER. The site-specific EA will also serve as an umbrella document to demonstrate or support environmental compliance obligations with other applicable statutes including Section 106 of the NHPA, Clean Water Act (CWA), Endangered Species Act (ESA), and Coastal Zone Management Act (CZMA), among others. In particular, in accordance with 36 CFR 800.3(b), the Section 106 NHPA consultation process will be combined with the site-specific EA (NEPA) analysis.

In accordance with EO 12372, *Inter-governmental Review of Federal Programs*, NSF requests the Quinault Nation's assistance in identifying potential issues to be addressed in the site-specific EA and for purposes of conducting Section 106 consultation. Installation and operation of the OOI will not commence until all required environmental reviews, including NSF's compliance with NHPA Section 106, are completed.

NSF requests your comments no later than 9 May 2010; however, comments received at any time throughout the NEPA process will be considered to the extent possible in the preparation of the site-specific EA. To submit comments or questions, please contact Jean McGovern, OOI

Program Director, Division of Ocean Sciences, NSF at (703) 292-7591 or nepacomments@nsf.gov, or Rick Spaulding, Project Manager, TEC at (206) 855-4997.

Jean McGovern
OOI Program Director
NSF

cc: Susan Banahan, Associate Dir., OOI, Ocean Leadership Joanne Bintz, Science & Environmental Compliance Mgr., OOI, Ocean Leadership Rick Spaulding, Project Manager, TEC Ed Johnstone, Fisheries Resources, Policy Spokesperson, Quinault Indian Nation Joe Schumacker, Fisheries Resources, Quinault Indian Nation

Attachments:

- Figure 1. Geographic Location of the Proposed OOI Infrastructure
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PUBLIC RESPONSES TO IICEP LETTERS



STATE OF WASHINGTON

DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION

1063 S. Capitol Way, Suite 106 • Olympia, Washington 98501 Mailing address: PO Box 48343 • Olympia, Washington 98504-8343 (360) 586-3065 • Fax Number (360) 586-3067 • Website: www.dahp.wa.gov

April 20, 2010

Mr. Rick Spaulding TEC Inc. 6765 NE Day Road Bainbridge Island, Washington 98110

Re: Ocean Observatories Initiative (OOI) Project

Log No.: 011108-50-NSF

Dear Mr. Spaulding;

Thank you for contacting our Department. We have reviewed the materials you provided for the proposed Endurance Array – Grays Harbor Line for Ocean Observatories Initiative (OOI) Project in Grays Harbor County, Washington.

Thank you for your description of the Area of Potential Effect (APE). We concur with your determination of the Area of Potential Effect (APE) as described and illustrated in the attached figures. We understand that once micro-sitting of each facility is decided further on-site cultural resources analysis will occur. We agree.

We look forward to receiving the results of your review, consultations with the concerned tribes, the onsite survey, and your determination of effect when available. We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. Thank you for the opportunity to comment and we look forward to receiving the professional report on the results of your investigations.

Sincerely,

Robert G. Whitlam, Ph.D. State Archaeologist

(360)586-3080

email: rob.whitlam@dahp.wa.gov



Commander United States Coast Guard Thirteenth District 915 Second Ave. Seattle, WA. 98174-1067 Staff Symbol: //dpw// Phone: (206) 220-7270 Fax: (206) 220-7265

16518

APR 2 1 2010

TEC, Inc.

Copy:

Attn: Mr. Rick Spaulding, Project Manager 6765 NE Day Road Bainbridge Island, WA. 98110

Dear Mr. Spaulding,

I am writing in regards to your letter (Re: Site Specific Environmental Assessment (EA) for the Ocean Observatories Initiative (OOI)) dated April 9th, 2010, which discusses the placement of ocean surface, subsurface and seafloor equipment off the Oregon and Washington coasts, as well as the coast of Massachusetts.

Please be aware this office has jurisdiction over the Oregon and Washington coast part of your project. I am providing a copy of your letter to our First Coast Guard District, Waterways Management Branch as they have jurisdiction over the Massachusetts portion of your project.

To ensure that your west coast project is properly reviewed I ask that you submit information to the following Coast Guard Commands:

- 13th Coast Guard district, Waterways Management Branch
- Coast Guard Sector Seattle, Waterway Management Branch
- Coast Guard Sector Portland, Waterways Management Branch

If you have any questions, contact my representative Mr. Timothy Westcott at (206) 220-7285 or by email at d13-pf-paton@uscg.mil.

Sincerely,

H.R. PELOQUIN Commander, U.S. Coast Guard

Chief, Waterways Management Branch

Encl: Environmental Assessment letter for Ocean Observatories Initiative dated April 9th, 2010

1.) Coast Guard Sector Seattle, Waterway Management Branch

2.) Coast Guard Sector Portland, Waterways Management Branch

3.) 1st Coast Guard District, Waterways Management Branch

4.) Coast Guard Sector Southeastern New England, Waterways Management Branch

5.) National Science Foundation, Division of Ocean Sciences

Commander Coast Guard Sector Seattle Waterway Management Branch 1519 Alaskan Way South, Bldg 4 Seattle, WA. 98134-1192

Commander Coast Guard Sector Portland Waterway Management Branch 6767 North Basin Portland, OR 97217-3992

Commander (dpw) 1st Coast Guard District 408 Atlantic Avenue Boston, MA 02110

Commander U.S. Coast Guard Sector Southeastern New England Waterway Management Branch 1 Little Harbor Road Woods Hole, MA 02543

National Science Foundation Division of Ocean Sciences Attn: Ms. Jean McGovern 4201 Wilson Blvd., Suite 725 Arlington, VA. 22230 From: paul [phanneman@wcn.net]
Sent: paul [phanneman@wcn.net]
Friday, May 07, 2010 9:58 AM

To: Spaulding, Rick
Cc: phanneman@wcn.net
Subject: Site Specific EA for the OOI

Dear Mr. Spaulding:

Thank you for including our Association on your organization's list for comment on the EA for the OOI.

We are in the process of reviewing the University of Washington's *Electro-Magnetic Effects* from the OOI/Regional Scaled Nodes Cables and other related information.

As you may know, our Association represents approximately 200 commercial and recreational marine vessels that designate Pacific City as their "home port". The proposed cable crossing is centered directly within our finfish and shellfish area.

Again, thank you for including us on your list for comment.

Paul Hanneman, co/chair THE PACIFIC CITY DORYMEN'S ASSOCIATION, INC. PO Box 728, Pacific City, Oregon, 97135

(503) 965-6004 or Craig Wenrick, co/chair (503)965-6352

email: phanneman@wcn.net
email: seaq@oregoncoast.com

Spaulding, Rick

From: Janet Freedman [jfreedman@crmc.ri.gov]

Sent: Friday, June 04, 2010 12:22 PM

To: Spaulding, Rick

Cc: 'Jeff Willis'; 'Grover Fugate'
Subject: Site Specific EA for OOI
Attachments: OOI letter_CRMC.pdf

Rick,

I have attached a letter from Jeff Willis, Deputy Director of the RI Coastal Resources Management Council indicating that the proposed OOI appears to be consistent with the RI Coastal Resources Management Program. A hard copy will follow via snail mail. This sounds like a great project and we look forward to its implementation. Please keep us informed on the progress.

Thanks
Janet

Janet Freedman Coastal Geologist Coastal Resources Management Council 4808 Tower Hill Road Wakefield, RI 02879

phone: 401-783-3370 fax: 401-783-3767

website: www.crmc.ri.gov



COASTAL RESOURCES MANAGEMENT COUNCIL

Oliver H. Stedman Government Center 4808 Tower Hill Road, Suite 3 Wakefield, R.I. 02879-1900

(401) 783-3370 FAX: (401) 783-3767

June 4, 2010

Rick Spaulding, Project Manager (TEC Inc.) National Science Foundation Division of Ocean Sciences Suite 725 4201 Wilson Blvd. Arlington, VA 22230

RE: Site Specific Environmental Assessment (EA) for the Ocean Observatories Initiative (OOI)

Thank you for the opportunity to identify potential issues to be addressed in the site-specific EA for consistency with Rhode Island Coastal Resources Management Program. I have reviewed the Final Programmatic EA (PEA) and Finding of No Significant Impact (FONSI) for the installation and operation of the Ocean Observatories Initiative. The proposed project appears to be consistent with Rhode Island's coastal zone management program.

Moreover, I agree that there is a need for data collection on the coastal, regional and global scales to understand and monitor future climate impacts to our oceans. This agency wholeheartedly supports the OOI efforts and look forward to incorporating the data results into the CRMC policy and planning actions.

Sincerely,

Jeff Willis, Deputy Director

Citizens honored for heroic efforts

Quick action saves lives of woman and three young children

Four Lincoln County residents from the Rose Lodge area received special recognition this week for the roles they played in saving the lives of a woman and her three small children late styear.

Lincoln County Sheriff Dennis Dotson presented awards to these individuals at the Lincoln County Courthouse during Wednesday's meeting of the Lincoln County Board of Commissioners.

On Nov. 18, 2009, shortly before 4 p.m., John Profitt and his wife, Sherri, were driving home from work. As they approached a curve on Widow Creek Road, John Profit offer to add the standard off the standard to in the Rose Lodge area.

Sherri Profits slowed to in.

off the roadway. Widow Creek
Road is located of of Highway
18 in the Rose Lodge area.

Sherri Profit slowed to investigate and saw a vehicle upside down in water. After she stopped the car, John jumped out and ran over to a bridge that crosses the creek. They could hear someone inside the vehicle. Sherri called 9-1-1, while John ran into the chest high, ice-cold rushing water. The female driver was held in the car by her seatbelt, and she was struggling to keep her head above the water.

John broke out the window and helped the driver into a position where she could breath. The woman yelled that there were babies in the back seat. John opened the back door and went underwater, where he saw two children completely submerged in the water and strapped into their car seats.

John teltuned the she water she you have been the children to try to keep them callm.

While holding his breath, John returned underwater and was able to free a three-year old child and hand the child to Sherri on the riverbank. Re-

Sherri on the riverbank. Re-



Lifesaving awards were presented on Wednesday to Cara Johnson, left, Sherri Profitt, John Profitt and Fred Johnson for their rescue efforts in November of last year that saved the lives of a woman and her three young children. (Courtesy photo

turning underwater, John dis-covered that a knife would be needed to free the second child, but he didn't have one. An approaching vehicle was flagged down by Sherri while she was still holding the first child. This vehicle was occu-pied by Fred Johnson and his daughter, Cara

daughter, Cara.
Johnson climbed down a 30foot, briar-filled embankment
and went into the water, armed
with a small utility knife. The
two men dove under the water
and into the car, and together
they were able to cut the twoyear-old child out of the car
seat. The young child was
handed to Cara Johnson, who
had followed her dad down the
bank into the river. bank into the river. Cara tended to the needs of

Cara tended to the needs of the child while standing waste deep in the river. John Profitt and Fred Johnson used the util-ity knife to cut the mother free and then helped her to safety. The mother was hysterical and suffering from symptoms of hypothermia and shock. She kept repeating that her ba-bies were in the back. The two men searched the back of the

vehicle again, finding no one. They feared that perhaps one of her children had been pulled out of the car by the rushing water, so they searched the area of the river below the car.

After several minutes, they were able to understand the mother to say that she had an infant in the front seat. John Profitt returned to the car and, Profit returned to the car and, going underwater, discovered an infant in the front seat. The baby was completely submerged in the water. He checked for a pulse, but could detect none. The two men were able to free the infant and return to the riverbank, where they immediately began CPR. The baby had no apparent life signs.

signs.

Medical units arrived and Medical units arrived and took over resuscitation efforts. The family was transported to the hospital, where they received medial care. The mother and her two- and three-year-old boys were treated and released for minor issues related to hypothermia and water inhalation.

Dotson said during this week's awards presentation,

"More miraculously, and most likely due to the hypothermic nature of the drowning com-bined with the immediate care from Mr. Profitt and Mr. John-son and the excellent medical or from the paramedics and North Lincoln Hospital per-sonnel, the infant was revived and made a full recovery.

and made a full recovery.
"Due to the courageous actions of John and Sherri Profitt
and Fred and Cara Johnson,
even in the face of great danger to themselves, they saved
the lives of a mother and her
three young children," said
Dotson.

Dotson.

Lifesaving plaques were presented to each of the four rescuers, and Dotson also presented a SWAT knife to John Profitt, saying, "Just in case you ever need a knife."



Science group holding open house

Foundation needs input on impacts on

The National Science Foundation (NSF) recently announced its intent to prepare a Site-Specific Environmental Assessment (EA) to address potential impacts on the marine environment from the construction and operation of the Ocean Observatories Initiative (OOI), a network of ocean infrastructure, mobile platforms, and sensors off the

enabling the next generation of complex ocean studies at the coastal, regional, and global scale. The OOI will provide air-sea, ocean, and seafloor data to anyone with access to the web in pear real-time. European web in near real-time. Further information on the OOI can be found at http://oceanobservato-

ries.org/.

NSF is holding a public scoping meeting on Friday, July 9, from 4 p.m. to 6 p.m. in the Guin Library at the O.S.U. Hatfield Marine Science Center. The open house will provide information and answer questions formation and answer questions about the process being implemented during the EA preparation process to address compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (which considers the proposed project's impact, if any, on National Reg-

ister eligible historic proper

Anyone unable to attend this meeting may submit written comments to: Rick Spaulding, project manager, TEC Inc. 6765 NE Day Road. Bainbridge Is-land, WA 98110, or via email at rlspaulding@tecinc.com; or Jean McGovern, OOI program director, Division of Ocean Sciences, NSF, 4201 Wilson Blvd, Ste 725, Arlington, VA 22230, or via email at nepacomments@nsf.gov.

It is recommended that comments be sent to NSF by July 23 to ensure equitable considera-Anyone unable to attend this

to ensure equitable considera-tion in the Draft Final EA. NSF tion in the Drart Final EA. NSF will also be having a public comment period and public hearings following publication of the Draft Final EA in late summer 2010, and the public may provide additional comments at that time.

marine environment

platforms, and sensors off the coasts of Washington and Ore-

gon.

The proposed OOI is an in-teractive, globally distributed and integrated network of cut-ting-edge technological capa-bilities for ocean observatories,

Continued from Page A1 TERMINAL PROJECT

to remediate the Pasley and Hennibique, the World War IIera barges now serving as the terminal's foundation; construct era barges now serving as the terminal's foundation; construct (and later remove) a cofferdam around the Pasley; remove the Pasley; build the new west dock to replace the Pasley dock; upgrade the existing fishing dock; demolish the office and warehouse buildings over the Hennibique; lay asphalt at the new west dock upland transition area; and put in utilities for the west and east docks. The second phase, which hinges on cost savings derived from the first phase, involves installing a sheet pile bulkhead wall at the Hennibique's bow, filling in a void between the new west dock and the Hennibique's bow, and reducing the

new west dock and the Hennibique's bow, and reducing the elevation to match the west dock level.

Port officials say they expect ongoing value engineering and an "innovative contracting method" to generate cost sayings as the project moves ahead. But they would still need additional funding, and are investigating ways to find it, largely

News ** Times

sales for auto dealers.

because removing the Pasley would cost \$5.5 million.

would cost \$5.5 million. The final phase would parley cost savings and additional funds into building a new dock in front of the Hennibique to replace the old wooden dock; demoish and remove the old dock; complete upland and dock utilities; install mooring dolphins, if needed; and fulfill any remaining obligations from the 2006 voter-approved bond measure that jump-started this project.

measure that jump-started this project.

McDougall said they expect to release early Phase 1 bid packages "within a few weeks." In-water work would begin in November, although the first phase will span two in-water work periods, beginning with the coffer dam construction, remediation of the two ships, demolition of the Pasley, and dredging, with the coffer dam removal scheduled during the second in-water work fine for General Manager Don Mann said project completion is expected in 2014. Underground utility work for the new upland

office and warehouse buildings is already underway, with com-pletion of the buildings expect-ed in October ed in October.

To find out more, contact Mann at 541-265-7758, or go to www.portofnewport.com. Submit comments anytime at termi-nalproject@portofnewport.com.

Terry Dillman is the assistant editor of the News-Times. Con-tact him at 541-265-8571, ext 225, or terrydillman@newport-newstimes.com.





ESS THIS MEET

JULY 4, 2010

BY THE NUMBERS:

The jobless rate fell to 9.5 percent in June, still far too high to signal a healthy economy. It came in slightly lower than the month before only because more than a half-million people gave up looking for work.



ors

COLLINS OM boost for 5. solar firm

plar company that got art at Colorado State ersity is expected to get 30 million federal loan antee, creating 1,500 lanent jobs in Colorado ndiana.

ndiana. sident Barack Obama ned to announce the to Abound Solar on rday during his weekly deast address. leral loan guarantees companies get access pital from a financial or that's still reluctant to They remove the risks

government websites.

But authorities aren't much closer than they were a year ago to knowing exactly who did it — and why.

The crippling strikes did not compromise security or breach any sensitive data, and experts say federal agencies are better prepared today.

The threats from computer based attacks are increasing — and those attacks not only can disrupt service but they also can heat up political tensions.

NEWYORK

Stocks fall Friday

A disappointing jobs report

Ocean Shores Wine, Food and Art Festival

July 10, 2010

Noon - 9 pm

Ocean Shores Convention Center

- Wine Tasting
- Fabulous Food
- Fine Art & Wine Auction
- Live Music including Folk,
 Celtic, Blues & Pop

Admission: \$10.00 (Minimum age: 21)

This amazing one-day event will benefit the Ocean Shores Interpretive Center.

Sponsored by the OSICA, Beach Fairy Events, Jodesha Broadcasting, Grays Harbor Radio, Ramada Inn Resort & North Beach Printing

For Information: Call (360) 589-3349.

The National Science Foundation (NSF)

announces its intent to prepare a Site-Specific Environmental Assessment (EA) to address potential impacts on the marine environment from the construction and operation of the Ocean Observatories Initiative (OOI), a network of ocean infrastructure, mobile platforms, and sensors off the coasts of Washington and Oregon. The proposed OOI is an interactive, globally distributed and integrated network of cutting-edge technological capabilities for ocean observatories, enabling the next generation of complex ocean studies at the coastal, regional, and global scale. The OOI will provide air-sea, ocean, and seafloor data to anyone with access to the Web in near real-time. Further information on the OOI can be found at http://oceanobservatories.org/.

NSF is holding public scoping meetings at the following dates, times, and locations:

- 1) **Wednesday, July 7, 2010**, 7-9 pm, Room 1512 Grays Harbor College Library, Aberdeen, WA
- 2) **Thursday, July 8, 2010**, 7-9 pm, Westport Maritime Museum, Westport, WA

The open-house meetings will provide information and answer questions about the process being implemented during the preparation of the EA to address compliance with the National Environmental Policy Act (NEPA) and Section 106 of the National Historic Preservation Act (which considers the proposed project's impact, if any, on National Register eligible historic properties). If you are unable to attend this open house meeting, you may submit written comments to:

Rick Spaulding, Project Manager, TEC Inc., 6765 NE Day Rd., Bainbridge Island, WA 98110, or via email at rlspaulding@tecinc.com or

Jean McGovern, OOI Program Director, Division of Ocean Sciences, NSF, 4201 Wilson Blvd, Ste 725, Arlington, VA 22230, or via email at nepacomments@nsf.gov

We recommend that your scoping comments be sent to NSF by July 23, 2010, to ensure equitable consideration in the Draft Final EA. NSF will also be having a public comment period and public hearings following publication of the Draft Final EA in late summer 2010, and the public may provide additional comments at that time.

FEATURES

Compiled by Karen Barkstrom from the archives of The Daily World.

IN BRIEF

at

th

nd

STANLEY, IDAHO
Singer Carole King
puts Idaho ranch
back on market

Songwriter and singer Carole King has put her 128-acre central Idaho ranch back on the market with a reduced asking price of \$16 million.

The Robinson Bar Ranch compound near Stanley includes a 7,300-square-foot lodge, a private residence, a caretaker's home, a professional recording studio, guest cabins and horse barns.

King put the ranch up for sale in 2006 for \$19 million. A listing agent says the ranch was taken off the market because of problems with a bridge on a U.S. Forest Service road that has since been repaired.

King retains a condominium in the central Idaho resort town of Ketchum, where she is scheduled to perform with James Taylor on July 12 as part of their "Troubadour Reunion" tour.

King's signature album is 1971's "Tapestry."

THE ASSOCIATED PRESS



The National Science Foundation (NSF)

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Rollover crash results in arrest

Newport man is charged with hit and run, reckless driving

A single-vehicle rollover crash Wednesday night on Yaquina Bay Road resulted in the arrest of a Newport man for hit and run and reckless driv-

ing.
Lincoln County Sheriff's

ing.
Lincoln County Sheriff's
Sergeant Adam Shanks was
dispatched at around 10 p.m., responding to the crash site
near Criteser Moorage, just
west of Toledo. He discovered
a silver 2001 Volkswagen
hatchback lying on its top in a
field, approximately 40 feet off
of Yaquina Bay Road.
An investigation revealed
the vehicle had been traveling
west when the driver lost control and drove off the road into
a log fence, which caused the
vehicle to roll before coming
to rest on its top. Residents in
the area who responded to the
scene immediately after hearing the crash told police that
no one was around when they
arrived.

no one was around when they arrived.

With assistance from Toledo police and fire personnel, sher-iff's deputies conducted a preliminary search of the area for the occupants of the vehicle, but they were unable to locate anyone. Fire and rescue personnel then cleared from the seene.

Some. Store in the related from the deputies located an adult male and a 17-year-old female hiding in a public restroom at a nearby Port of Toledo park. During contact with these individuals, it was determined the male, identified as Brian D. Hollis, 40, of Newport, was operating the vehicle at the time of the crash, and the 17-year-



eventually arrested or charges of hit and run, reckless driving and mischief. (Courtesy

of Newport,

crashed

night on

Wednesday

Wanted By **Community Corrections** Volkswagen hatchback

Larry Jonathan **Bryant**

Date of Birth: Oct. 18, 1972 Race: White Sex: Male Height: 6 feet 0 inches Weight: 190 pounds Eye Color: Brown Hair Color: Brown

On supervision for men

For additional information, or if you know his where-abouts, contact Lincoln County Community Corrections at 541-265-8851. Do not attempt to apprehend this person. Information leading to the

arrest of this subject will re-main confidential.

The weekly "most wanted" information is provided to the News-Times by Lincoln



Larry Jonathan Bryant

County Community Correc-tions. All subjects featured are chosen and submitted to the corrections office. For addi-tional information on wanted individuals, refer to the com-munity experience wholies at munity corrections website at www.co.lincoln.or.us/parole.

old female was a passenger.

Pacific West Ambulance was dispatched to the scene to treat the girl, who complained of neck and back pain as a result of the crash. She was subsequently transported to Samarian Pacific Communities Hospital in Newport for treatment of her injuries.

Hollis was taken into custody on charges of failure to perform the duties of a driver (felony), reckless driving, and Criminal Mischief II. He was lodged at the Lincoln County Jail, with bail set at \$80,000. Hollis was also issued traffic citations for driving while suspended and driving uninsured.

Excessive speed is suspected as a factor relating to the cause of the traffic crash.

Dept. of Forestry declares fire season

Announcement means restrictions are now in place

The Oregon Department of Forestry's West Oregon Dis-trict announced this week that fire season officially began Thursday in Benton, Lincoln, Polk and southern Yamhill

Polk and southern Yamhill counties.

The West Oregon District protects approximately 1.1-million acres of private and public lands from wildfire.

Entry into fire season imposes certain restrictions on work activities in the forest. Industrial operations are required to have firefighting equipment on site. Since restrictions may vary, it is advisable to check with the nearest ODF office for rules specific to the local area.

ODF office for rules specific to the local area. Industrial Fire Precaution levels (IFPL) are part of ODF's closure system that regulates industrial activity in the forests of the Coast Range. When fire season takes effect, the districts will be at an IFPL, which imposes the fewest resquires a fire watch at industrial forest operation sites. IFPL details can be found at: www.oregon.gov/ODF/FIRE/ifpl.shtml.

On the lands protected by the Department of Forestry,

of just under 27,000 acres. In a typical year, about two-thirds of the fires are caused by ecople and the remainder by lightning. Of the human-caused fires, fewer than half are caused by forest landown-res and operators. Across all Oregon forest protection jurisdictions, about 2,600 wildfires burn roughly 239,000 acres annually on average.

Through July 7, 12 lightning-caused fires have burned about two acres on lands protected by ODF. During that period, 90 human-caused fires burned about 75 acres.

The Oregon Department of Forestry provides fire protection to 15.8 million acres of Forestry provides fire protection to 15.8 million acres of Forestry provides fire protection to 15.8 million acres of federal Bureau of Land Management lands. There are about 30.4-million acres of forest in Oregon.

West Oregon District Forester Mike Totey noted that the unusual weather conditions of recent months should not give rise to complacency about the wildfire threat.

"We've been fortunate to have had a very wet spring," Totey said. "However, recent hot, dry weather has brought conditions in the forest closer to what we would normally see this time of year."

the 10-year average is about 1,100 wildfires burning a total of just under 27,000 acres. In a typical year, about two-thirds of the fires are caused

Meeting set by National **Science Foundation**

Will solicit input on potential impacts on marine environment

The National Science Foundation (NSF) will prepare a Site-Specific Environmental Assessment (EA) to address potential impacts on the marine environment from the conrine environment from the construction and operation of the Ocean Observatorics Initiative (OOI), a network of ocean infrastructure, mobile platforms, and sensors off the coasts of Washington and Oregon.

NSF is holding a public scoping meeting today (Friday), from 4 p.m. to 6 p.m. in

the Guin Library at the O.S.U. Hatfield Marine Science Center. The open house will provide information and answer questions about the process being implemented during the EA preparation process.

Anyone unable to attend this meeting may submit written comments to: Rick Spaulding, project manager, TEC Inc., 6765 NE Day Rd., Bainbridge Island, WA 98110, or via e-mail at rlspauld-Bainbridge Island, WA 98110, or via e-mail at rlspauld-ing@tecinc.com; or Jean Mc-Govern, OOI program direc-tor, Division of Ocean Sci-ences, NSF, 4201 Wilson Blvd, Ste 725, Arlington, VA 22230, or via e-mail at nepacom-ments@nsf.gov.



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Chinook Winds CASINO RESORT





NATIONAL SCIENCE FOUNDATION (NSF)

OCEAN OBSERVATORIES INITIATIVE (OOI) ENVIRONMENTAL ASSESSMENT (EA)

Scoping Comment Sheet

Location: WESTPORT, WA
Date: <u>JULY B, 2010</u>
Thank you for providing your comments on the scope of EA for the proposed installation and operation of the OOI. Public involvement is a fundamental part of the development of the OOI EA and NSF wants and appreciates your comments. Please provide comments no later than July 23, 2010 to ensure consideration in the Draft EA. Comments may be submitted at this meeting, via email at nepacomments@nsf.gov , or via U.S. Postal Service to the address below. For more information go to http://www.oceanobservatories.org .
- SEE ATTACHED -
Please print – additional space is provided on back 1. Name:
2. Address: PO BOX 654, WESTPORT, W4 98595 (WESTPORT CHARTERBOAT ASSOCIATION)
3. Please check here if you would like to be on the mailing list.
4. Please check here if you would like your name/address kept private.
5. Would you like to receive a hard copy or CD of the Draft EA?
Please give this form to one of the NSF representatives, place in the comment drop box, or mail by July 23 to:

Please give this form to one of the NSF representatives, place in the comment drop box, or mail by July 23 to:

Jean McGovern

OOI Program Director, Division of Ocean Sciences National Science Foundation 4201 Wilson Blvd, Ste 725, Arlington, VA 22230



July 12, 2010

Jean McGovern, OOI Program Director To: **Division of Ocean Sciences National Science Foundation** 4201 Wilson Blvd, Ste 725 Arlington, VA 22230

From: Mark Cedergreen, Executive Director **Westport Charterboat Association POB 654** Westport, WA 98595

OOI Endurance Array Washington Candidate Sites Re:

General comments:

- Thank you for having a meeting in Westport. Sorry there weren't more people in attendance
- We are generally supportive of Scientific research
- It would be nice if you worked in fathoms or feet for depth rather than meters!

Specific sites:

Inshore Site

- This site is the most controversial of the 3.
 - o It lies within some of the most lucrative and heavily fished crab grounds off Washington.
 - o 50-200 feet of water are prime crabbing areas

- The north side of Grays Harbor contains 150-200 reefs / pinnacles that are frequented by recreational fishermen both on charter boats and private boats.
- The spot currently designated on the north side is a virtual "freeway" from March through September. Crab season is January through late summer.
- A location south of the Grays Harbor entrance would reduce charter boat encounters by 80+% and there are no reefs between Grays Harbor and Willapa Bay in shallow water.
- Attached are suggested minor changes if you chose not to move to the south. These changes would put a little more distance between your site and an actively fished reef.

Shelf Site

- This site has fewer problems than the inshore site.
 - However it lies in a major north-south shipping lane. Tugs & barges mostly.
 - Attached are suggested minor changes if you chose not to move this site. These changes would put a little more distance between your site and an actively fished reef.

Offshore Site

• To our knowledge, this site has very few negatives

Thanks again for coming to Westport!

INSHORE OOI LOCATION

As currently proposed

46-59.52 N

124-15.00 W

As proposed by Westport Charterboat Association

47-00.00 N

124-15.00 W

Closed box – 0.2nm radius

46-59.80 - 47-00.20

124-15.30 - 124-14.70

REEF LOCATION

46-59.10 N 124-15.70 W

RECOMMENDATION: Staying on the 124-15.00 longitude line, move the latitude north from 46-59.52 to 47-00.00 degrees

Distance from reef to OOI SW corner would be about 0.7 nm or 4250 feet

SHELF OOI LOCATION

As currently proposed

46-59.52 N

124-33.00 W

As proposed by Westport Charterboat Association

47-00.00 N 124-34.00 W

Closed box - 0.5nm radius

46-59.50 - 47-00.50

124-34.70 - 124-33.30

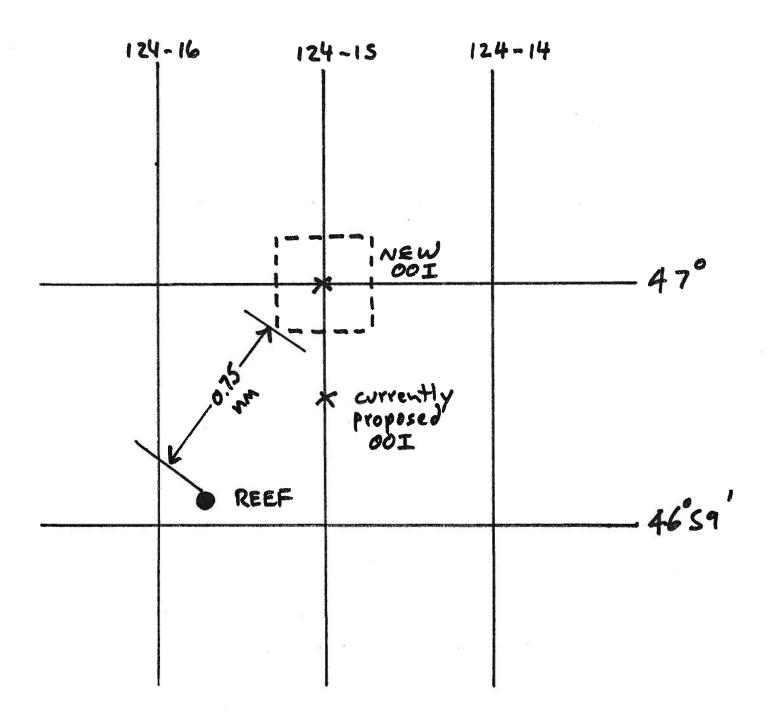
REEF LOCATION

46-59.50 N 124-32.50 W

RECOMMENDATION: Move the Latitude line north to 47 degrees (creates ½ mile N-S separation and keeps both inshore and shelf sites on the same lat line

- Move OOI longitude line out 1 degree (0.7 nm) to 124-34.00
- 0.5 nm site radius box would establish a separation of 1/2 nm E-W and 0.0 nm N-S
- Distance from eastern N-S boundary of OOI to reef would be about 0.5 nm or 3,000 feet

IN-SHONE



SHELF

124-34 124-32				
NEW,	0.S NM 80 X		4 - 0	
OOL		CUNNENTITY PHOPOSED OOI REEF 350'	47°	

From: Douglas Fricke [mailto:dfricke@techline.com]

Sent: Wednesday, July 14, 2010 9:35 PM

To: 'nepacomments@nfs.gov'

Subject: OOI Sensors off Wa Coast-Attn: Jean McGovern

I am a commercial fisherman that fishes salmon, crab and tuna off of the Wa Coast in the area that the OOI Program sensors are projected to be located. This is the busiest time of the year for most commercial fishermen out of Westport which is the closest port to the proposed WA locations. The commercial fishing industry was not made aware of this project until late may of 2010. We feel the OOI project is worthwhile and will provide worthwhile information to the industry as well as the scientific community. We need to delay the censor siting process until this November when the fishermen will have the time necessary to review the project and help the scientist determine the best site for information and minimum disruption of our fisheries.

The area of the sensors need to be marked and a method devised to prevent entry into the area of the sensors. Either through ignorance or maliciousness people will enter the area unless there is some sort of barricade to prevent entry. The proposed site at approximately 40 fathoms off of Ocean Shores WA is in a prime salmon fishing area. The site need to be moved 3 to 5 miles north in order to lessen the disruption to the salmon fisheries. There need to be some type of barricade on the ocean floor around the site at approximately 13 fathoms. Many storms in the winter cause movement of 100+ pound crab pots along the bottom of the ocean at this 13 fathom depth. In a particularly bad storm, this can litterly mean hundreds of crab pots moving along the WA Coast. At the approximately 250 fathom site, there is a major longline fishery and we have not heard any comments from that part of the industry. - - Sincerely, Douglas H Fricke, Captain, F/V Howard H





Coalition of Coastal Fisheries

Coastal Office: PO Box 1448, Westport, WA 98595 – 360 268 0076, Fax 360 268 0000

Administrative Office: 5132 Donnelly Dr. SE, Olympia, WA 98501 – 360 456 1334, Fax 360 923 0762

...Serving the needs of the coastal fishing industry and coastal fishing communities

Officers

Bill Walsh, President Dale Beasley, Vice President Lewis Hill, Secretary Doug Fricke, Treasurer

Directors

Alian Hollingsworth Bob Alverson Mark Cedergreen Bob Lake Marion Larkin Kent Martin Scott McMullen Dick Sheldon Butch Smith Ray Toste

Member Organizations

Bandon Submarine Cable Council

Columbia River Dungeness Crab Fisherman's Association

Fisherman's Marketing Association

Fishing Vessel Owner Association

Grays Harbor Gillnetter's Association

Ilwaco Charter Association

Salmon For All

Washington Dungeness Crab Fisherman's Association

Washington Trollers Association

Western Fishboat Owners Association

Westport Charterboat Association

Willapa Bay Gillnetter's Association

Willapa-Grays Harbor Oyster Growers Association

Executive Director

Ed Owens, CEO REACT Consulting Group

Safety Advisor
Forrest "Woody" Mayer

July 20, 2010

National Science Foundation 4201 Wilson Blvd. Ste 725 Arlington, Va. 22230

Dear Jean McGovern,

The Coalition of Coastal Fisheries is asking for a 90 day delay in the sitting/NEPA process for an ocean project by the National Science Foundation off the Washington coast. The fishing industry is supportive of the project called Ocean Observatories Initiative (O.O.I) as it is proposed to locate an array of sensors off the Washington coast to record base line information about the ocean such as currents, temperatures, salinity, PH, weather conditions, etc. The industry agrees that this information will not only be valuable for our day to day operations, but it also should be useful in the investigation of climate change and ocean acidification.

The problem all our fishing groups have is that the industry was not appraised of the OOI project until late May. Most of our Coalition members are spread from California to Alaska in various fisheries that are most active in the summer months. It is very important that the sensors for the OOI project are carefully located, as the areas covered by the sensors will become inaccessible to the fishing industry. The industry wants to participate to insure that the sensors are located where we can obtain the most information with a minimum interruption to the coastal fishing activity.

Currently, the National Science Foundation is scheduling to have the sitting and draft EA document complete by the end of August. For our fishing organization to have quality imput into the sitting and draft EA, we need a minimum of a 90 day delay in the schedule. The 90 day delay will give our industry members time to return from their summer fishing opportunities and have significant correspondence concerning the sitting of the proposed sensor arrays off the Washington coast.

This request would move the target date for sitting decisions to by finalized by the end of November, 2010.

Sincerely,

Bill Walsh, President

Bell Walsh

cc Grays Harbor County Commissiners Governor Chris Gregoire





Grays Harbor County Marine Resources Committee

Kathy Greer, Chair • Robin Leraas, Vice Chair • Garrett Dalan, Coordinator

Mailing Address: Grays Harbor County Administration Building • 100 W Broadway, Suite 31 • Montesano, Washington 98563-3614

(360) 249-4413 or (800) 230-1638 Toll-Free • email gdalan@co.grays-harbor.wa.us • website http://ghmrc.org

August 5, 2010

Jean McGovern, Program Director - Ocean Observatories Initiative National Science Foundation - Division of Ocean Sciences 4201 Wilson Boulevard Arlington, Virginia 22230 Sent via email to: nepacomments@nsf.gov

Dear Ms. McGovern:

For several months the Grays Harbor County Marine Resources Committee (MRC) has had high interest in the National Science Foundation's (NSF) Ocean Observatories Initiative Project (OOI) off the Washington Coast. We appreciate the effort given to outreach and education thus far, however, we would like to communicate concerns from our state's fishing industry about the August deadline for siting decisions and comments. Much of the fleet will not be returning home from the fishing season until late summer and with that the Industry feels this will greatly limit their ability to review and comment on the project. The MRC believes that it is essential to get substantial comment from this key stakeholder and requests that you consider their suggestion of extending the comment deadline on the project's features locations to October.

Many local fishermen expressed their strong support for this project as locating an array of sensors to record base line information will not only be valuable for their day to day operations, but also for the investigation of the effects of climate change and ocean acidification for fish and shellfish stocks. They expressed their eagerness to participate during the comment phase to help ensure that sensors are located efficiently to acquire the most information and cause the least interruption to coastal fishing activities.

The MRC believes that community and stakeholder input is a vital element for effectively managing our marine resources. Meaningful consultation among all stakeholder interests on proposed ocean uses yields many important benefits including minimized impacts to both the nearshore ecosystem and existing uses, and providing economic and cultural benefits. Our state's fishing fleet is a significant stakeholder and we hope you will consider their concerns in moving forward with this important effort. In light of the minimal turnout at the Aberdeen and Westport OOI outreach meetings last month, we feel this too is an indication that more stakeholder input is needed and with that offer you our assistance in organizing additional outreach.

Thank you for the consideration of this request and any help you can provide.

Sincerely,

Cathy Greet Chair

Grays Harbor County Marine Resources Committee

cc: Grays Harbor County Commissioners

Coalition of Coastal Fisheries

Bob Nichols, Governor's Executive Policy Team



February 18, 2009

MEMORANDUM FOR: Naval Facilities Engineering Command Northwest

1101 Tautog Circle, Suite 203 Silverdale, WA 98315-1101

ATTN: Mrs. Kimberly Kler - NWTRC EIS

FROM: The Consortium for Ocean Leadership

Ocean Observing Initiative Project Office

1201 New York Avenue, 4th Floor

Washington, DC 20001

SUBJECT: The Ocean Observatories Initiative (OOI) Project

Dear Mrs. Kler,

The purpose of this comment is to introduce the Ocean Observatories Initiative (OOI) project to the U.S. Naval Facilities Engineering Command Northwest with respect to the Navy's Northwest Training Range Complex EIS/OEIS and NAVSEA NUWC Keyport Range Complex EIS/OEIS. The Consortium for Ocean Leadership is the lead management organization for the proposed installation and operation of the Ocean Observatories Initiative (OOI) Network. The construction of this ocean observatory will be funded through a cooperative agreement between Ocean Leadership and the National Science Foundation (NSF), with funding from the NSF Major Research Equipment Facilities Construction (MREFC) account. The OOI Project is managed by Ocean Leadership (OL) in collaboration with academic-based Implementing Organizations: the University of Washington, Woods Hole Oceanographic Institution, University of California – San Diego, Oregon State University, and Scripps Institution of Oceanography.

Overview of OOI

To provide the U.S. ocean sciences research community with the basic sensors and infrastructure required to make sustained, long-term, and adaptive measurements in the oceans, the NSF's Ocean Sciences Division is developing the OOI from community-wide, national, and international scientific planning efforts. The OOI builds upon recent technological advances, experience with existing ocean observatories, and lessons learned from several successful pilot and test bed projects. The proposed OOI will be an interactive, globally distributed and integrated network of cutting-edge ocean observing capabilities. This network will enable the next generation of complex ocean studies at the coastal, regional, and global scale. The OOI is a key NSF contribution to the broader effort to establish the proposed operationally focused national system known as the Integrated Ocean Observing System (IOOS). As these efforts mature, the research-focused observatories envisioned by the OOI will be networked to become an integral part of the IOOS and in turn will be a key and enabling U.S. contribution to the international Global Ocean Observing System (GOOS) and the Global Earth Observation System of Systems (GEOSS).

The OOI infrastructure will include cables, buoys, underwater vehicles, moorings, junction boxes, power generation (solar, wind, fuel cell, and/or diesel), and two-way communications systems. This large-scale infrastructure will support sensors located at the sea surface, in the water column, and at or beneath the seafloor. The OOI will also support related elements, such as data dissemination and archiving, modeling of oceanographic processes, and education and outreach activities essential to the long-term success of ocean science.

The OOI represents a significant departure from traditional approaches in oceanography and a shift from expeditionary to observatory-based research. It would include the first U.S. multi-node cabled observatory; fixed and relocatable coastal arrays coupled with mobile assets; and advanced buoys for interdisciplinary measurements, especially for data-limited areas of the Southern Ocean and other high-latitude locations.

Global, Regional, and Coastal Scale Nodes

The OOI design is based upon three main components at global, regional, and coastal scales. At the global and coastal scales, mooring observatories would provide locally generated power to seafloor and platform instruments and sensors for data collection, and use a satellite link for data transmission and communication to shore and the Internet. Up to six Global Scale Nodes (GSN) or buoy sites are proposed for ocean sensing in the Eastern Pacific and Atlantic oceans. The Regional Scale Nodes (RSN) off the coasts of Washington and Oregon will consist of seafloor observatories with various chemical, biological, and geological sensors linked to shore by submarine cables that provide power and Internet connectivity. Coastal Scale Nodes (CSN) will be represented by the Endurance Array off the coast of Washington and Oregon and the relocatable Pioneer Array off the coast of Massachusetts. In addition, there will be an integration of mobile assets such as autonomous underwater vehicles (AUVs) and gliders with the GSN and CSN observatories.

Environmental Compliance and Interagency Coordination

The Final Programmatic Environmental Assessment (PEA) for the OOI pursuant to the requirements of NEPA (42 United States Code § 4321 et seq.) and the Council on Environmental Quality Regulations for Implementing the Procedural Provisions of NEPA (Title 40 Code of Federal Regulations §§ 1500-1508) can be found on the NSF Division of Ocean Sciences (OCE) Environmental Compliance website: http://www.nsf.gov/geo/oce/pubs/OOI Final PEA Jun08.pdf. This document contains a detailed description of the proposed OOI network design and infrastructure. The NSF concluded the OOI PEA with a Finding of No Significant Impact (FONSI), found on: http://www.nsf.gov/geo/oce/envcomp/OOI-PEA FinalFONSI 020309 sm file.pdf.

We note that the OOI research facility and operations are not considered in the NWTRC Draft EIS (for instance under Chapter 4, Cumulative Effects: 4.1.3.7 Scientific Research). The northern extent of our fixed research facility lies south of the NWTR W-237A Warning Area and outside of the Olympic Coast National Marine Sanctuary. However, we note the close proximity of our observation platforms on the shelf and slope west of Grays Harbor (Endurance Array) to W-237A. Also, the observation platforms west of Newport (Endurance Array) lie close to, or within W-570. Science platforms on the cabled Regional Scale Nodes of the OOI also lie below various offshore Warning Areas. Essentially all of the OOI Endurance Array and much of the Regional Scale cabled observing network lie within the general Pacific Northwest Operating Area (PACNW OPAREA).

At this time, supplementary environmental analyses are being initiated to consider possible additions to the OOI proposed design as described in the OOI Final PEA. Please refer to the OOI Final PEA (Chapter 2, section 2.2 Proposed Action) for descriptions of the proposed infrastructure. The possible additions to the OOI design being considered are:

- 1. The addition of two moorings, paired surface and subsurface, at 500 meters depth on the Grays Harbor Line (description of the Grays Harbor Line in the OOI Final PEA, section 2.2.1.1 on page 20; also see Figure 2-1 for location of the Grays Harbor Line and Figure 2-2 for a diagram of the paired moorings).
- 2. Undersea cable connection from the Subduction Zone (N4) of the Region Scale Nodes to the subsurface moorings at the 500 and 80 meter sites on the Grays Harbor Line (see Figure 2-8 on page 30 for the location of N4).
- 3. Addition of a Global site in the Argentine Basin of the Southern Atlantic Ocean, approximate location at 42°S, 42°W (see Figure 2-13 on page 39 for a diagram of proposed mooring infrastructure).

We will continue to consult with the Navy COMSUBPAC and COMSUBGRU NINE on the operation of these research facilities, per NAVSEA Instruction 4740.1A, during the USCG PATON and JARPA permitting processes. We will also continue our coordination with NAVFAC Headquarters, Naval Submarine Cable Protection Office. Should you have any questions or desire additional information, please feel free to contact me by phone at 202-787-1604 or via email at sbanahan@oceanleadership.org. We look forward to the ongoing coordination of this ocean observing facility with Navy operations.

Best regards,

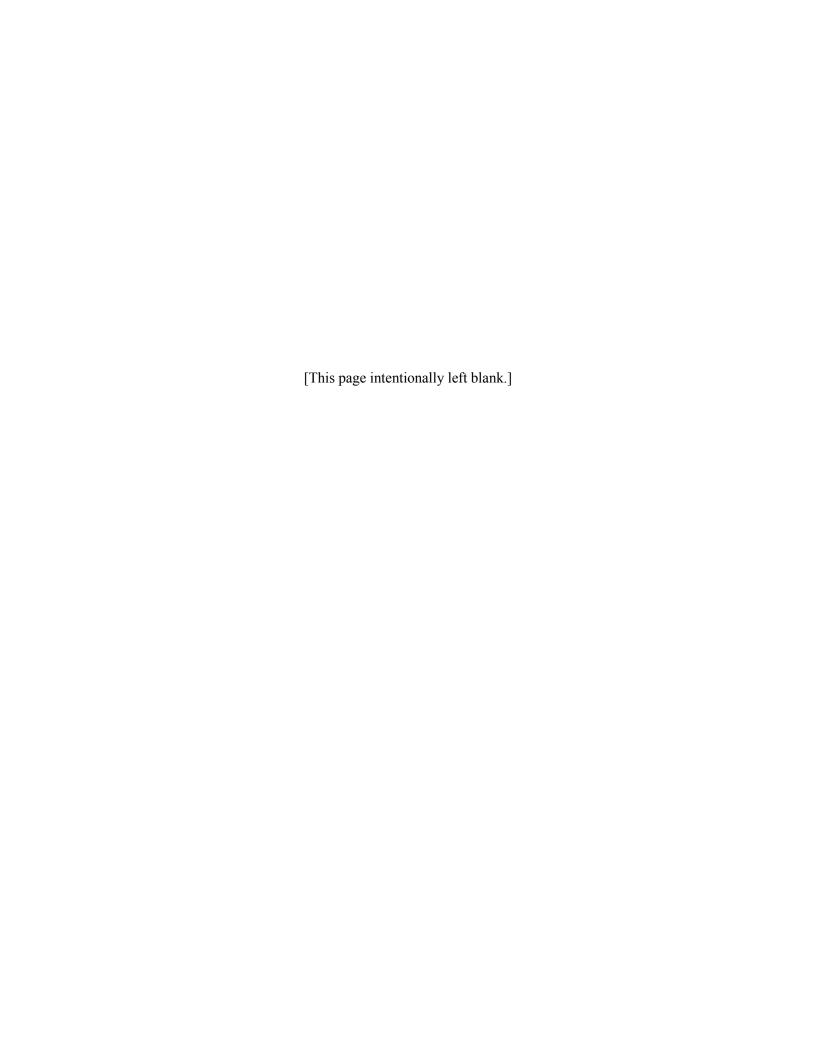
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