

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 38
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 28-Apr-2015	4. REQUISITION/PURCHASE REQ. NO. ACQR#3752418		5. PROJECT NO.(If applicable)
6. ISSUED BY NAVFAC SOUTHWEST ENVIRONMENTAL CONTRACTS CORE CODE RAQEO 1220 PACIFIC HWY SAN DIEGO CA 92132-5190	CODE N62473	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		X	9A. AMENDMENT OF SOLICITATION NO. N62473-15-R-0807	
		X	9B. DATED (SEE ITEM 11) 17-Apr-2015	
			10A. MOD. OF CONTRACT/ORDER NO.	
			10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)				
1. The purpose of this Amendment is to incorporate changes to Annex 2, Spec Item 2.8.1, Diving Supervisor/Senior Marine Scientist, Minimum Education/Training, from a) At least a Master's of Science in marine biology or highly related field to a) At least a Master's of Science or Master's of Arts degree in marine biology or highly related field. A Master's degree can be substituted with experience if the employee holds a Bachelor's degree in biology and they have at least 10 years of experience in the marine biology field. 2. All other terms and conditions remain unchanged.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		28-Apr-2015

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been modified:

ANNEX 2

0200000 - Management and Administration		
Spec Item	Title	Description
2	Management and Administration	
2.1	Definitions and Acronyms	
	Administrative Contracting Officer (ACO)	The individual designated by the Contracting Officer to administer the contract.
	ACOE	Army Corps of Engineers
	Annual Monitoring Report (eelgrass transplanting)	The annual monitoring report discusses the results of monitoring effort for the transplant site. This draft report is submitted to the COR 30 days after the annual anniversary of the project. After receipt from the COR, the Contractor has fifteen days to incorporate comments and return as final.
	Biological Day to Conduct Marine Mammal Surveys and Monitoring (MMO BIODAY)	A survey team consisting of four marine mammal observer personnel. The definition of MMO BIODAY also includes time for data collection, analysis, reporting and deliverable requirements for the task. The minimum number of BIODAYS required for each task has been estimated by the Government.
	Biological Day to Conduct Surveys and Monitoring (DIVE BIODAY)	A survey team consisting of four personnel one diving supervisor (supervisor/diver/senior biologist/senior marine scientist), two marine scientists (diver/technician/biologist), one standby technician (captain/deck hand/technician/reserve diver) as compliant with EM 385 1-1, 30 Nov 14 or most recent edition, and one survey boat and dive gear for eight hours. Survey/monitoring may utilize biologist divers, differential global position systems, side-scan sonar, or aerial photography to determine the areal extent of marine resources. The definition of DIVE BIODAY also includes time for data collection, analysis, reporting and deliverable requirements for the task. The minimum number of BIODAYS required for each task has been estimated by the Government.
	Biological Day to Conduct Single Beam Sonar (SB BIODAY)	A survey team consisting of four personnel one diving supervisor (supervisor/diver/senior biologist/senior marine scientist), three diver/technicians (captain, diver, deck hand, or technician), and one survey boat for eight hours. The definition of SB BIODAY also includes time for data collection, analysis, reporting and deliverable requirements for the task. The minimum number of BIODAYS required for each task has been pre-determined by the Government.

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Spec Item	Title	Description
	Biological Day to Conduct Sidescan Sonar (SS BIODAY)	A survey team consisting of four personnel one diving supervisor (supervisor/diver/senior biologist/senior marine scientist), three diver/technicians (captain, diver, deck hand, or technician), and one survey boat for eight hours. The definition of SS BIODAY also includes time for data collection, analysis, reporting and deliverable requirements for the task. The minimum number of BIODAYS required for each task has been pre-determined by the Government.
	Caulerpa Control Protocol (CCP)	Protocol established for California nearshore coastal and enclosed bays, estuaries, and harbors from Morro Bay to the U.S./Mexican border in order to detect existing infestations as well as avoid the spread of Caulerpa species within other systems. This protocol outlines the certification, survey, and reporting guidelines required when surveying for the various invasive species including <i>C. taxifolia</i> , <i>C. mexicana</i> , <i>C. racemosa</i> , <i>C. cupressoides</i> , <i>C. sertularioides</i> , <i>C. ashmeadii</i> , <i>C. floridana</i> , <i>C. scalpelliformis</i> , and <i>C. verticillata</i> .
	Contracting Officer (KO)	The individual with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings.
	Contracting Officer's Representative (COR)	The individual designated by the KO to be responsible for technical monitoring and surveillance efforts of the Contract/Task Order. The COR is responsible for ensuring all work is performed per the requirements and specification outlined in the Contract/Task Order, and that work performed, including all written reports and professional services are of an acceptable technical quality. The COR has no authority to make any changes to the Contract/Task Order, and only the KO may effect any change.
	Contractor	The entity or its representative responsible for the delivery of the services or materials specified in this contract, as designated by contract award. The term Contractor as used herein refers to both the prime Contractor and any subcontractors. The prime Contractor shall insure that subcontractors comply with the provision of this contract.
	Contract Discrepancy Report (CDR)	A report, sent by the Government to the Contractor, which the Contractor is required to complete when performance is unsatisfactory. The CDR requires the Contractor to explain to the Contracting Officer, in writing within 10 calendar days, why performance is unsatisfactory, how performance shall be returned to satisfactory levels, and how recurrence of the problem shall be prevented in the future.
	Degree in Natural Sciences	Natural science degrees include biology, wildlife biology, wildlife management, botany, ecology, range science, hydrology, soil science, and/or zoology. If major is not from subject list above, resume must include transcript with additional educational requirements including dates, courses, and institution highlighting 24 semester hours in the subject. Degrees in hydrology and soil science, etc. may be considered acceptable if field experience with natural resources projects is indicated in the Project Data Sheet(s). For this procurement, majors in planning or engineering are not considered "natural sciences."
	DoD	Department of Defense

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Spec Item	Title	Description
	Eelgrass Bundle	Eelgrass bundles shall consist of a minimum of 10 turions per anchor/bundle according to the technique implemented by Fonseca et al. (1982), Merkel (1986), and MBC Applied Environmental Sciences (1990). Eelgrass from the donor sites will be washed of sediment, placed in seawater and fabricated into shoot bundles. Eelgrass bundles shall be planted 1 meter on center for a total of 10,500 bundles/10,000 ² meters.
	Eelgrass Restoration and Marine Habitat/Mitigation Plan	A plan that details the loss of eelgrass as a result of a federal action. The plan shall include a description of the project site, transplant site, and control site; a discussion of transplant techniques, timing and implementation; and transplant site design and post-transplant requirements. The plan shall be submitted to the COR 30 days prior to the beginning of project. The plan shall be submitted in the format in Exhibit F.
	Eelgrass Transplant Report	The final Eelgrass Transplant Report describes all findings including a base map of pre-planting conditions, an overlay map of post planting conditions, and overlay of the mitigation site. The report shall verify turion (leaf shoot) density and aerial coverage of eelgrass and shall verify whether mitigation requirements have been met.
	Electronic copies	Submittal of products on a Compact Disk read-only memory (CD-ROM) or Digital Versatile Disc read-only memory (DVD-ROM), unless otherwise stipulated in the ELIN.
	ELIN	Exhibit Line Items Number
	GIS	Geographic Information System
	GPS	Global Positioning System
	NEPA	National Environmental Policy Act
	Quality Assurance (QA) Program	A program implemented by the Government to evaluate the output quality and responsiveness of the Contractor to ensure that the Government receives the services for which public funds are expended. It is emphasized that the Government's quality assurance program is not a substitute for the quality control program implemented and administered by the Contractor.
	Quarterly Reports	The Contractor is required to deliver a progress report to the COR via e-mail every quarter when any Task Order is active.
	SDSFIE	Spatial Data Standards for Facilities, Infrastructure, and Environment
	Side-Scan Sonar	An acoustic imaging device used to provide wide-area, large-scale pictures of the floor of a body of water. Side scan sonar point multiple beams at angles and cover large overlapping swaths of the seafloor and only measure features on the seafloor and cannot collect bathymetry data.

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Spec Item	Title	Description
	Single-Beam Sonar	An acoustic imaging device that utilizes sonar technology to collect measurements of the sea floor with a single narrow footprint. The data resolution is determined by the footprint size, sampling interval, sampling speed, and transect spacing. Depending on the sensor type, single beam sensors may collect bathymetry data or be calibrated to identify seafloor habitats or subsurface sediments.
	Site Visit	A visit to the area to be surveyed or planted.
	Station Contact	A representative from a specified Department of Defense installation designated as the point of contact for access and site issues for the Contractor while working on a given Task Order.
	Task Order (TO)	A task order is a written document (DD Form 1155) issued by a Contracting Officer unilaterally or bilaterally for work to be performed in accordance with Annex 18. Any changes to a task order shall only be made by the Contracting Officer.
	U.S. Army Corps of Engineers, Safety and Health Requirements Manual EM 385 1-1 (EM 385 1-1) (as amended)	A manual that prescribes the safety and health requirements for all U.S. ACOE operations, for both government and contractor employees that must be met. All water activities must be in compliance with EM 385 1-1 30 Nov 14 or most recent edition, Sections 5 Personal Protective and Safety Equipment (05.H Personal Flotation Devices), 19 Floating Plant and Marine Activities and 30 Diving Operations, and Appendix O Manning Levels for Dive Teams.
	USFWS	United States Fish and Wildlife Service
	UTM	Universal Transverse Mercator
	Work Plan	The Work plan shall include all items addressed in the Task Order and applicable policies and protocols including the most recent version of the California Eelgrass Mitigation Policy (CEMP) (Exhibit G) and Caulerpa Control Protocols (CCP) (http://www.westcoast.fisheries.noaa.gov/publications/habitat/caulerpa_taxifolia/caulerpa_control_protocol_4_.pdf) and schedules and milestones addressing all tasks and associated deliverables.
2.2	General Information	
2.2.1	Government Regular Working Hours	The Government's regular (normal) working hours are from 0730 to 1630 Monday through Friday except observed Federal holidays and other days specifically designated by the KO.
2.2.1.1	Observed Federal Holidays	The Government observes the following holidays: New Year's Day, Martin Luther King Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, and Christmas Day.
2.2.2	Wage Determinations	Refer to Section H for wage determinations incorporated by reference.
2.3	General Administrative Requirements	

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Spec Item	Title	Description
2.3.1	Required Conferences and Meetings	The Contractor may be required to attend administrative and coordination meetings. Meetings will be held as often as necessary at the direction provided by the KO (via the COR). A mutual effort will be made to resolve all identified contract-related problems during meetings. The Contractor's representative and the Government's representative shall sign the written minutes of these meetings, prepared by the Contractor and reviewed by the Government. Should the Contractor not concur with the review comments provided by the Government on Contractor's minutes, the Contractor shall state in writing to the KO (via the COR) any areas of disagreement within 10 calendar days.
2.3.2	Permits and Licenses	The Contractor shall, obtain all required permits, licenses and authorizations to perform work under this contract and comply with all the applicable federal, state and local laws and regulations. The Contractor shall provide evidence of such permits and licenses to the KO (via the COR) at proposal submission if required or before work commences on each Task Order and at other times as requested by the KO (transmitted via the COR). No survey shall violate any conditions stipulated in federal or state permits issued in support of the survey effort of the Task Order. The Contractor shall be responsible for all permit violations or other illegal acts conducted by Contractor or Subcontractor personnel including any consequences that arise from these actions.
2.3.3	Insurance	The Contractor shall furnish the KO a certificate of insurance within 15 days after award of this contract as evidence of the existence of the following insurance coverage in amounts not less than the amounts specified below in accordance with the FAR Clause 52.228-05, INSURANCE – WORK ON A GOVERNMENT INSTALLATION. This insurance must be maintained during the performance period.
2.3.3.1	Certificate of Insurance	The Certificate of Insurance shall provide for at least 30 calendar days written notice to the KO by the insurance company prior to cancellation or material change in policy coverage. Other requirements and information are contained in the aforementioned insurance clause.
2.3.3.2	Minimum Insurance Amounts	The Contractor shall procure and maintain, during the entire period of performance under this contract, the following minimum insurance coverage: Comprehensive General Liability: \$500,000 per occurrence Automobile Liability: \$200,000 per person, \$500,000 per occurrence, \$20,000 per occurrence for property damage Workmen's Compensation: As required by Federal and State Worker's Compensation and occupational disease statutes Employer's Liability coverage: \$100,000, except in states where Worker's Compensation may not be written by private carriers Other as required by State Law

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Spec Item	Title	Description
2.3.4	Protection of Government Property	During execution of the work, the Contractor shall protect Government property. The Contractor shall return areas damaged as a result of negligence under this contract to their original condition at no cost to the Government, including re-vegetation or replacement of damaged habitat if necessary. Unauthorized collection of cultural material is not allowed. The Government will consider unauthorized collection a violation of the Archaeological Resource Protection Act and subject to criminal and civil penalties. The Contractor is expressly prohibited from plant or animal collection on Government property other than as specified in the Task Order. The Contractor is specifically prohibited from carrying out any activities not specified under a Task Order unless written approval is obtained from the KO. No animals will be brought on to Government property and released without the consent of the KO. Personal pets are not to be brought on to Government property. The Contractor will not remove dead, injured or sick wildlife from Government property. All such wildlife shall be reported immediately to the COR.
2.3.5	Instructions, Directives, and References	Applicable Department of Defense (DoD), Secretary of the Navy (SECNAV), Chief of Naval Operations (OPNAV), and other directives, instructions, and references are listed below. The Contractor shall comply with the most current version of directives, instructions, and references including versions published during the term of the contract.
2.3.5.1	Applicable Laws, Regulations, and References	The following lists laws, regulations, Executive Orders and references that are applicable to this contract.
	American Indian Religious Freedom Act of 1978	The American Indian Religious Freedom Act of 1978 (PL 95-341; 42 USC § 1996) directs consultations with traditional leaders, where appropriate, to insure continuity in religious practices on Federal lands. Requires the Federal government to protect the right of American Indian, Eskimo, Aleut, and Native Hawaiian to exercise traditional religious practices.
	Antiquities Act of 1906	The Antiquities Act of 1906 (PL 59-209; 16 USC §§ 431 et seq., 1982) authorizes the President to designate as National Monuments historic and natural resources of national significance located on Federally owned or controlled lands. The act further provides for the protection of all historic and prehistoric ruins and objects of antiquity located on Federal lands by providing criminal sanctions against excavation, injury, or destruction of such antiquities without the permission of the Department having jurisdiction over such resources. The Secretaries of the Interior, Agriculture, and Defense are further authorized to issue permits for archaeological investigations on lands under their control to recognized educational and scientific institutions for the purposes of systematically and professionally gathering data of scientific value.
	Archaeological and Historic Preservation Act of 1974	The Archaeological and Historic Preservation Act of 1974 (Moss-Bennett Act; 16 USC §§ 469 et seq.) provides for the protection of historic and archaeological sites threatened by Federal or Federally funded or assisted construction projects.
	Archaeological Resources Protection Act of 1979	The Archaeological Resources Protection Act of 1979 (16 USC §§ 470 et seq., 1982) sets up penalties for destruction or removal of archaeological materials from Federal land without the proper permits. Requirements for obtaining these permits are also established by this regulation.

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Spec Item	Title	Description
	Bald Eagle Protection Act	The Bald Eagle Protection Act (Bald and Golden Eagles Act; PL 95-616; 16 USC §§ 668 et seq.) provides for protection of the bald eagle and the golden eagle by prohibiting taking, possession, and commerce in the birds.
	California Water Code	The California Water Code Section 1243 declares the reservation of water for the enhancement and protection of fish and wildlife to be a beneficial use.
	Clean Air Act	The Clean Air Act (42 USC § 7401 et seq.) is the major federal legislation addressing air pollution control. Establishes national ambient air quality standards (NAAQS) for common air pollutants (“criteria pollutants”) and requires States to institute controls with established air quality control regions to achieve the NAAQS. Requires the US EPA to establish necessary air quality control where States fail to do so. Severity of controls increases as degree of nonattainment with NAAQS increases. Mandates EPA regulation of 138 identified “hazardous air pollutants.” Implements the Montreal Protocol on Ozone Depleting Substances (ODS), mandating phase out of ODS production, prohibiting intentional venting of ODS refrigerants during appliance servicing, and requires technician certification.
	Clean Water Act	Clean Water Act regulates the discharge of pollutants to waters of the United States in order to protect water quality and the beneficial uses of these waters. Through a permit application process, CWA Section 401 regulates dredge and fill discharges to waters of the United States.
	Coastal Zone Management Act	The Coastal Zone Management Act (CZMA) of 1972 (16 USC § 1451, et seq.) requires federal permit applicants to obtain a certification that verified activities proposed within the “coastal zone” are consistent with state coastal zone management programs; e.g. federal Clean Water Act and §404 applicants. The CZMA creates a broad program based on land development controls within coastal zones, incorporating State involvement through the development of programs for comprehensive state management. The CZMA also requires Federal agencies or licensees to carry out their activities in such a way that they conform to the maximum extent practicable with a state’s coastal zone management program.
	Community Environmental Response Facilitation Act	The Community Environmental Response Facilitation Act (CERFA) (42 USC § 9601 note, 9620) amends CERCLA Section 120 (h) to allow expedition of reuse and redevelopment of Federal facilities being closed.
	Comprehensive Environmental Response, Compensation, and Liability Act of 1980	The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA; 42 USC §§ 9601 et seq.) establishes programs for the cleanup of hazardous waste disposal and spill sites to ensure protection of human health and the environment. Designates the President as trustee for Federally protected or managed natural resources.
	Conservation and Rehabilitation Program on Military and Public Lands	The Conservation and Rehabilitation Program on Military and Public Lands (PL 93-452; 16 USC §§670 et seq.) amends PL 86-797 by providing for fish and wildlife habitat improvements, range rehabilitation, and control of off-road vehicles on Federal lands.

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	Conservation Programs on Military Reservations	The Conservation Programs on Military Reservations (PL 90-465; 16 USC §§ 670 et seq.) amend PL 86-797 to include outdoor recreation programs on military lands. It requires each military department to manage natural resources and to ensure that services are provided which are necessary for management of fish and wildlife resources on each installation; to provide their personnel with professional training in fish and wildlife management; and, to give priority to contracting work with Federal and State Agencies that have responsibility for conservation or management of fish and wildlife. Authorizes cooperative agreements (with States, local governments, non-governmental organizations, and individuals) which call for each party to provide matching funds or services to carry out natural resources projects/initiatives.
	Defense Appropriations Act of 1991	The Defense Appropriations Act of 1991 (10 USC § 2701) establishes the Legacy Resource Management Program for the stewardship of biological, geophysical, cultural and historic resources on DoD lands.
	Emergency Planning and Community Right-to-Know Act of 1986	The Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 USC §11001 et seq.) This Act is also known as Title III of the Superfund Amendments and Reauthorization Act (SARA). EPCRA focuses on the hazards associated with toxic chemical releases. Most notably, specific sections of EPCRA require immediate notification of releases of oil and hazardous substances and CERCLA-defined hazardous substances to State and local emergency response planners. Requires State and local coordination in planning response actions to chemical emergencies. Requires certain industries to submit information on chemical inventories and fugitive emissions.
	Endangered Species Act	The Endangered Species Act (ESA) (PL 93-205; 16 USC §§1531 et seq.), of 1973 requires that all Federal Agencies undertake programs for the conservation of endangered and threatened species. These agencies are prohibited from authorizing, funding, or carrying out any action that would jeopardize a listed species or destroy or modify its “critical habitat” (Section 7). Critical habitat is usually designated concurrently with a listing. Section 9 prohibits the “taking” of endangered fish or wildlife, including direct killing, harming, harassing, or destruction of habitat.
	Federal Flood Disaster Prevention Act	The Federal Flood Disaster Prevention Act (PL 93-234; 42 USC §§ 4001 et seq.) established the Federal Flood Insurance Program, which has provided some incentives for construction outside flood-prone areas. To a limited degree, this has reduced destruction of riparian vegetation by developments. President Carter issued two executive orders in a related effort: EO 11988 (Floodplain Protection) directed Federal agencies to avoid construction in flood-hazard areas and to seek restoration and preservation of the natural and beneficial values of floodplains; EO 11990 (Protection of Wetlands) directed Federal agencies to minimize the destruction, loss, or degradation of wetlands.

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	Federal Insecticide, Fungicide, and Rodenticide Act	The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) (7 USC §136 et seq.) provides the principal means for preventing environmental pollution from pesticides through product registration and applicator certification. The registration of all pesticide products by EPA results in label instructions on each container for use, storage, and disposal. Label instructions are legally applicable to all users. Under FIFRA, EPA is required to accept certain pesticides under recall for safe disposal. It is unlawful to purchase, distribute, or use any pesticide that does not have any EPA registration number or for which registration has been cancelled or suspended, or to apply, store, or dispose of any pesticide or container in any manner inconsistent with applicable regulations.
	Federal Noxious Weed Act of 1974	The Federal Noxious Weed Act of 1974 (PL 93-629; 7 USC § 2801) provides for the control and eradication of noxious weeds and their regulation in interstate and foreign commerce.
	Federal Water Pollution Control Act Amendments of 1972	The Federal Water Pollution Control Act Amendments of 1972 (see Clean Water Act; 33 USC §§ 1251 et seq.) sets up a Federal permit and license system to carry out certain pollution discharge activities in navigable waters.
	Fish and Wildlife Conservation Act of 1980	The Fish and Wildlife Conservation Act of 1980 (PL 96-366; 16 USC §§2901 et seq.) provides for conservation, protection, restoration and propagation of certain species, including migratory birds threatened with extinction.
	Fish and Wildlife Conservation and Military Reservations Act	See Sikes Act.
	Fish and Wildlife Coordination Act	The Fish and Wildlife Coordination Act (PL 85-624; 16 USC §§ 661 et seq.) mandates that wildlife conservation receive equal consideration and be coordinated with other features of water resource development. The intent is to prevent loss or damage of wildlife and provide for development and improvement of wildlife in conjunction with water development projects. Federal agencies proposing to impound, divert, or control surface waters are required to consult with the United States Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW), to include and give full consideration to the recommendations of these agencies, and to provide justifiable means and measures for benefiting wildlife in project plans. ACOE must coordinate permit applications with USFWS and CDFW. Like National Environmental Policy Act (NEPA), implementation of this Act is essentially procedural in that no particular outcome is mandated. The Act authorizes project modification, land acquisition, and other measures necessary to protect wildlife.
	Historic Sites Act of 1935	The Historic Sites Act of 1935 (PL 74-292; 16 USC §§ 461 et seq., 1982) establishes as national policy the preservation for public use of historic resources, by giving the Secretary of the Interior the power to make historic surveys and to document, evaluate, acquire, and preserve archaeological and historic sites across the country. The Act led to the eventual establishment within the National Park Service of the Historic Sites Survey, the Historic Buildings Survey, and the Historic Sites Engineering Record.

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Spec Item	Title	Description
	Magnuson-Stevens Fishery Conservation Management Act	The statute includes a mandate that Federal agencies must consult with the Secretary of Commerce (through the National Marine Fisheries Service) on all activities, or proposed activities, authorized, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat.
	Migratory Bird Treaty Act	<p>The Migratory Bird Treaty Act (PL 65-186, as amended; 16 USC §§ 703 et seq.) protects most birds, whether or not they migrate. Birds, their nests, eggs, parts, or products may not be killed or possessed. Game birds are listed and protected except where specific seasons, bag limits, and other features govern their hunting. Exceptions are made for some agricultural pests, which require a USFWS permit (yellow-headed, red-winged, bi-colored red-winged, tri-colored red-winged, Rusty and Brewer's Blackbirds, cowbirds, all grackles, crows, and magpies). Some other birds that injure crops in California may be taken under the authority of the County Agricultural Commissioner (meadowlarks, horned larks, golden-crowned sparrows, white-and other crowned sparrows, goldfinches, house finches, acorn woodpeckers, Lewis woodpeckers, and flickers). Permits may be granted for various non-commercial activities involving migratory birds and some commercial activities involving captive-bred migratory birds.</p> <p>Controlled burns during the avian breeding season (approximately February through October) would violate the Act, according to the USFWS Carlsbad Office.</p>
	Military Construction Authorization Act – Military Reservation and Facilities-Hunting, Fishing and Trapping	The Military Construction Authorization Act – Military Reservation and Facilities-Hunting, Fishing and Trapping (10 USC § 2671) requires that all hunting, fishing, and trapping on military installations follow Fish and Game laws of the state in which it is located, and be issued appropriate state licenses for these activities.
	Military Construction Authorization Act of 1975	The Military Construction Authorization Act of 1975 (10 USC § 2665) allows the proceeds from the sale of recyclable material to be credited to the installation to cover specified costs.

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Spec Item	Title	Description
	National Environmental Policy Act of 1969	<p>The National Environmental Policy Act of 1969 (NEPA) (42 USC §§ 4321 et seq.), evolved over 10 years from the desire of Congress to have a cohesive statement of the national environmental policy. Agencies must assess, in detail, the potential environmental impact of any proposal for legislation or other major Federal action that has the potential for significantly affecting the quality of the human environment. The Act is intended to help public officials and citizens make decisions that are based on understanding of environmental consequences and take action that protects, restores, and enhances the environment.</p> <p>NEPA mandates that agencies use a “systematic, interdisciplinary approach” that integrates the natural and social sciences and environmental design. The courts have interpreted this mandate to be essentially “procedural,” that is, environmental impacts must be considered, but proposals with environmentally damaging consequences need not necessarily be rejected.</p> <p>The law requires a detailed statement of “significant” environmental impact of “major” Federal actions. An action may be significant in terms of geographical extent, long-term impact, potential risk, or because of its effect on heritage resources or endangered species.</p> <p>The process identifies reasonable alternatives to proposed actions that might have less or no environmental effect. Individual and cumulative impacts must be considered. A three-tiered approach is used to evaluate impacts: 1) The Environmental Assessment (EA) is the analysis to be completed when the government is uncertain as to whether an action will significantly affect the environment or the action is controversial. The result of an EA is either a Finding of No Significant Impact (FONSI) or a requirement to complete an Environmental Impact Statement (EIS); 2) The EIS is a full-disclosure document that presents a full and unbiased discussion of significant impacts, informing the public and decision makers of reasonable alternatives to the proposed action; and 3) A Categorical Exclusion (CATEX) is used for actions which do not individually or cumulatively have a significant effect on the human environment and which have been found to have no such effect in procedures adopted by the Department of the Navy in implementation of Federal regulations and for which, therefore, neither an EA nor an EIS is required.</p>
	National Historic Preservation Act of 1966	<p>The National Historic Preservation Act of 1966 (PL 89-665; 16 USC §§ 470 et seq.) expanded the National Register of Historic Places, provided a list of significant historic and pre-historic sites and districts, and gave them formal protection. Section 106 requires that Federal agencies with direct or indirect jurisdiction over such properties identify them for the Federal Register. It further directs agencies to consider historic and archaeological resources during planning, and allows the Advisory Council on Historic Preservation, established by this Act, an opportunity to comment when a Federal undertaking could affect historic properties.</p>
	National Trails Systems Act of 1968	<p>National Trails Systems Act of 1968 (16 USC § 1271) promotes development of recreational, scenic, and historic trails for persons of diverse interest and abilities.</p>

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Spec Item	Title	Description
	Native American Graves Protection and Repatriation Act of 1990	The Native American Graves Protection and Repatriation Act of 1990 (NAGPRA) (PL 101-601; 25 USC §§ 3001 et seq.) provides requirements for treatment, determination of ownership, control of, and repatriation of human remains and cultural items on Federal or Tribal lands. The term “Indian Tribe” refers to any Tribe, band, nation, or other organized Indian group or community that is on the current list of recognized Indian Tribes published by the Bureau of Indian Affairs. “Human remains” refers to all Native American human remains.
	Noise Control Act of 1972	The Noise Control Act of 1972 (42 USC § 4901 et seq.) (as amended by the Quiet Communities Act) authorizes establishment of Federal noise emission standards for products distributed in commerce, and coordinates Federal research efforts in noise control.
	Noxious Plant Control Act	The Noxious Plant Control Act (PL 90-583; 43 USC § 1241) provides for the control of noxious plants on lands under control or jurisdiction of the Federal Government.
	Oil Pollution Act of 1990	The Oil Pollution Act of 1990 (OPA) (33 USC §§2701 et seq.) provides that the National Contingency Plan (NCP) include planning, rescue and minimization of damage to fish and wildlife in responding to oil pollution.
	Outdoor Recreation-Federal/State Program Act	The Outdoor Recreation-Federal/State Program Act (PL 88-29; 16 USC §§ 460(L) et seq.) provides for the management of lands used for outdoor recreation. Requires consultations with US National Park Service regarding management.
	Pollution Prevention Act of 1990	The Pollution Prevention Act of 1990 (PPA) (42 USC § 13101 et seq.) establishes the national policy that “pollution should be prevented or reduced at the source whenever feasible. Pollution that cannot be prevented should be recycled in an environmentally safe manner. Disposal or other release of pollutants into the environment should be employed only as a last resort and should be conducted in an environmentally sound manner.”
	Porter-Cologne Water Quality Control Act	The Porter-Cologne Water Quality Control Act (California Water Code §§13000 et seq.) is the State’s primary water law. It gives the State Water Resources Control Board (SWRCB) and the nine regional water quality control boards substantial authority to regulate water use.
	Resource Conservation and Recovery Act	The Resource Conservation and Recovery Act (RCRA) (42 USC §§ 6901 et seq.) establishes a comprehensive program which manages solid and hazardous waste. Subtitle C, Hazardous Waste Management, sets up a framework for managing hazardous waste from its initial generation to its final disposal. Waste pesticides are included under hazardous waste management requirements.

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Spec Item	Title	Description
	Safe Drinking Water Act	<p>The Safe Drinking Water Act (SDWA) (42 USC §§300(f) et seq.) prescribes treatment and distribution control strategies for abating contamination of drinking water and also requires the establishment of a permit program to regulate injection of liquids into underground strata.</p> <p>The SDWA provides for direct control of underground injection of fluids that may affect groundwater supplies. States may assume the predominant role in executing groundwater protection programs. The EPA had direct responsibility only if a State chooses not to participate in an underground injection control (UIC) program.</p>
	Sikes Act	<p>The Fish and Wildlife Conservation and Military Reservations Act (Sikes Act; 16 USC § 670) applies to any installation in the US with land or water suitable for conservation of fish and wildlife. It requires that fish and wildlife be part of and integrated into a multiple use program for managing natural resources. This includes a requirement to develop a cooperative management plan with State and Federal fish and wildlife conservation agencies. The law sets the guidelines for charging user fees and retaining the funds to benefit the activity such as improving habitat or restocking a fishpond.</p> <p>The Fish and Wildlife Conservation and Natural Resources Management Programs on Military Reservations amends the Sikes Act to require that trained professionals be used to integrate fish and wildlife into a balanced natural resource program.</p> <p>The Sikes Act Improvement Act (SAIA) of 1997 (PL 105-85) now requires implementation of the Integrated Natural Resources Management Plan (INRMP), not simply its preparation. Additionally, the Navy Office of General Counsel has determined that SAIA requirements for INRMP implementation necessitate the preparation of NEPA documentation prior to Plan approval. The preparation of an Environmental Assessment (EA) will suffice for most proposed installation INRMPs.</p>
	Soil Conservation Act	The Soil Conservation Act (PL 74-46; 16 USC § 590A) provides for application of soil conservation practices on Federal lands. Requires Federal agencies to control and prevent soil erosion and preserve natural resources in managing Federal lands.
	Stream Alteration Controls	The Department of Fish and Game's authority over the use of suction dredges (Fish and Game Code, § 5653), alterations of fish spawning areas (Fish and Game Code, § 1505), and alterations of stream beds in general (Fish and Game Code, §§ 1601 et seq.) are all useful tools for the protection of instream resources (but generally not for riparian vegetation outside of the stream or overflow areas).
	Wild and Scenic River Act	The Wild and Scenic River Act (PL 90-542; 16 USC § 1274) requires identification and protection of any river or stream that qualifies under the act.
2.3.5.2	Executive Orders (EOs)	The following are executive orders that are relevant to Natural Resources.
	EO 11644 – Use of Off-Road Vehicles on the Public Lands (8 Feb 1972). Amended by EO 11989 and EO 12608.	Requires federal land managing agencies, including the Department of Defense, to issue regulations governing use of off-road vehicles on the public lands. Regulations shall be designed to protect natural resources and protect safety of individuals involved. Clarifies agency authority to define zones of use by off-road vehicles on public lands and amends EO 11644 of 8 February 1972, by exempting fire, military, emergency, law enforcement, or combat/combat support vehicles.

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Spec Item	Title	Description
	EO 11987 - Exotic Organisms	The Exotic Organisms EO restricts Federal agencies in the use of exotic plant species in any landscape and erosion control measures.
	EO 11988 – Floodplain Management	The Floodplain Management EO specifies that “Agencies shall encourage and provide appropriate guidance to applicants to evaluate the effects of their proposals in floodplains prior to submitting applications.” This order includes wetlands that are within the 100-year floodplain and especially discourages filling.
	EO 11503 – Protection and Enhancement of the Cultural Environment	Protection and Enhancement of the Cultural Environment directs Federal agencies to take a leadership role in preserving, restoring, and maintaining the historic and cultural environment of the Nation. Federal agencies must locate, inventory, and nominate to the National Register all historic resources under their jurisdiction or control. Until these processes are completed, agency heads must exercise caution to ensure that potentially qualified Federal property is not inadvertently transferred, sold, demolished, or substantially altered. When planning projects, agencies are urged to request the opinion of the Secretary of the Interior as to the eligibility for National Register listing of properties whose resource value are questionable or has not been inventoried. Agencies are directed to institute procedures, in consultation with the President’s Advisory Council on Historic Preservation, to ensure that Federal plans and programs contribute to the preservation and enhancement of non-Federally owned historic resources. The Navy and Marine Corps achieve protection of National Register historic and Archaeological sources through implementation of the Historic and Archaeological Resources Protection (HARP) Plan. The plan facilitates compliance by providing management goals, priorities, and standard operating procedures for site protection.
	EO 11514 – Protection and Enhancement of Environmental Quality	Protection and Enhancement of Environmental Quality directs issuance of instructions and guidelines relative to preparation of environmental impacts. This order created the Council on Environmental Quality to oversee the implementation of NEPA, mediate disputes and develop environmental policy.
	EO 11991- Protection and Enhancement of Environmental Quality	Protection and Enhancement of Environmental Quality (EO 11991) amends EO 11514 to require Council on Environmental Quality (CEQ) to issue regulations to make environmental impact statements more effective. Vice-President Gore abolished the CEQ, and to date there is no replacement of the body.
	EO 11990 – Protection of Wetlands	Directs all federal agencies to “take action to minimize the destruction, loss, or degradation of wetlands, and to preserve and enhance the natural and beneficial values of wetlands.” This applies to acquisition, management, and disposal of federal lands and facilities; to construction of improvements undertaken, financed, or assisted by the federal government; and to the conduct of federal activities and programs which affect land use. Section 4 of the EO requires that when federally owned lands are leased and easement is assigned, or when disposed of to a non-federal party, a reference be included in the conveyance to identify any wetlands and indicate those uses which are restricted in such areas.

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Spec Item	Title	Description
	EO 12088 – Federal Compliance with Pollution Control Standards	Provides that the head of each federal agency is responsible for compliance with “applicable pollution control standards,” defined as “the same substantive, procedural and other requirements that would apply to a private person.” Requires federal agencies to cooperate with the US Environmental Protection Agency (EPA), States, and local agencies in the prevention, control and abatement of environmental pollution. Requires the EPA Administrator to provide technical advice and assistance to Executive agencies in order to ensure their cost effective and timely compliance with applicable pollution control standards. Provides that disputes between the US EPA and another federal agency regarding environmental violations shall be elevated to the Office of Management and Budget for resolution.
	EO 12780 – Federal Agency Recycling and the Council on Federal Agency Recycling and Procurement Policy	Requires federal agencies to promote cost-effective waste reduction and recycling of reusable materials, and to establish federal preferences for procurement of items made from recycled materials.
2.3.5.3	Federal Regulations – Code of Federal Regulations (CFR)	The Code of Federal Regulations (CFR) consists of 50 titles representing broad areas subject to Federal regulation. All general and permanent regulations published in the daily Federal Register by executive agencies and departments of the Federal government appear in the CFR, which is updated annually. For example, all regulations issued by the EPA under the subject heading “Protection of the Environment” are codified in Title 40 of the CFR.
	18 CFR 1312	Archaeological Resource Protection Act Regulations
	32 CFR 172	(DoD Instruction 7310.1) DoD Regulations for the Disposition of Proceeds from Sales of Surplus Property
	22 CFR 190	Natural Resources Management Program
	33 CFR 330	Dredge and Fill Nationwide Permit Program
	36 CFR 800	National Historic Preservation Act (NHPA) Regulations for the Protection of Historic Properties
	40 CFR 6	EPA Regulations on Implementation of National Environmental Policy Act Procedures
	40 CFR 50	Environmental Protection Agency Regulations on National Primary and Secondary Ambient Air Quality Standards.
	32 CFR 188	Environmental Effects in the United States of DoD Actions.
	32 CFR 775	Procedures for Implementing the National Environmental Policy Act Dept. of the Navy policy to supplement DoD regulations (32 CFR 214) by providing policy and assigning responsibilities to the Navy and Marine Corps for implementing CEQ regulations and implementing NEPA.
	36 CFR 60	National Register of Historic Places

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Spec Item	Title	Description
	36 CFR 65	National Historic Landmarks Program
	40 CFR 1500	Council on Environmental Quality Regulations. Defines the methods of implementing the National Environmental Policy Act (NEPA)
	50 CFR 10.13	List of Migratory Birds
	50 CFR 17.11 and 17.12	Fish and Wildlife Service List of Endangered and Threatened Wildlife
	50 CFR 402	Interagency Cooperation – Endangered Species Act of 1973
	43 CFR 7	Archaeological Resources Protection Act of 1979; Uniform Regulations.
2.3.5.4	Department of Defense Directives and Instructions	The following are DoD Directives and Instructions
	DoD Directive 4700.1 of 6 November 1978	Natural Resources Conservation and Management (NRM). Provides for management of renewable natural resources on military lands.
	DoD Directive 4001.1 of 4 September 1986	Installation Management
	DoD Directive 4140.1 of 4 January 1993	Material Management Policy
	DoD Directive 4165.57 of 8 November 1977	Air Installations Compatible Use Zones
	DoD Directive 4165.60 of 4 October 1976	Solid Waste Management – Collection, Disposal, Resource Recovery, and Recycling Program
	DoD Directive 4700.2 of 15 July 1988	Secretary of Defense Award for Natural Resources and Environmental Management
	DoD Directive 4710.1 of 21 June 1984	Archaeological and Historic Resources Management. Establishes policies, procedures, and assigns responsibilities for the management of archaeological and historic resources located in and on waters and lands under DoD control. This Directive implements these guidelines consistent with Federal law, Executive Orders, and other DoD directives that deal with archaeological and historic preservation issues.
	DoD Directive 6050.1 of 1979	Environmental Effects in the US of DoD actions.

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Spec Item	Title	Description
	DoD Directive 4751.DD-R of April 1996	Draft integrated natural resources management in the Department of Defense.
	DoD Directive 6050.2 of 19 April 1979, as amended	Use of Off-Road Vehicles on DoD Lands. Provides policy for use of off-road vehicles on DoD lands.
	DoD Directive 4150.7 of 24 October 1983	DoD Pest Management Program (DOD PMP)
	DoD Instruction 5000.13 of 13 December 1976	Natural Resources – the Secretary of Defense Natural Resource Conservation Award. Delineates procedures for participating in completion for Secretary of Defense Conservation Award.
2.3.5.5	Department of the Navy Manuals and Instructions	The following are manuals and instructions issued by the Department of the Navy.
	NAVFAC P-73	Real Estate Manual P-73. This manual sets forth the authority of the Commander, Naval Facilities Engineering Command (NAVFACENGCOM), for outgrant of Navy controlled real property. Responsibility for administration, management, and utilization of Navy real property lies with the Commanding Officer, and his superiors, of the installation to whose plant account the property belongs. NAVFACENGCOM does not have general responsibility for management of Navy real property, except for lands of installations under its command. However, NAVFACENGCOM has a technical responsibility for real estate action on lands which have been determined temporarily or partially excess.
	NAVFACINST 6250.3H	Applied Biology Program Services and Training. Requires the use of an integrated pest management approach to minimize the use of herbicides.
	NAVFACINST 11012.111A	Land Use Conservation Planning
	NAVFACINST MO-100.4	Guidance on Special Interest Areas.
	OPNAVINST 5090.1D	Department of the Navy Environmental and Natural Resources Procedural Manual
	OPNAVINST 5090.1D Ch. 22	Natural Resources Management. Describes requirements, guidelines, and standards for conserving natural resources on Navy lands. Summarizes the natural resources management (NRM) program to include management of waters, forests, fish and wildlife, and outdoor recreation.
	OPNAVINST 6250.4A	Pest Management Programs. Requires Navy and Marine Corps to have a comprehensive Pest Management Plan. Discusses the need to control pest outbreaks which affect the military mission, damage property, or impact the welfare of people.
	SECNAVINST 6240.6E	Implementation of DoD directives under DoD Instruction 4700.4.

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Spec Item	Title	Description
2.4	Government-Furnished Property, Materials and Services	In accordance with NAVFAC Clause 5252.245-9300, GOVERNMENTFURNISHED PROPERTY, MATERIALS AND SERVICES, and the following paragraphs, provides that the Government will furnish or make available to the Contractor certain Government-owned facilities, utilities, materials, and equipment for use in connection with this contract.
2.4.1	Government-Furnished Facilities (GFF)	The Government will not furnish or make available to the Contractor any facilities.
2.4.2	Government-Furnished Utilities	The Government will not furnish utility services as specified in NAVFAC 5252.245-9300, GOVERNMENT-FURNISHED PROPERTY, MATERIALS AND SERVICES.
2.4.3	Government-Furnished Materials (GFM)	Upon award of Task Order, the Government will furnish or make available to the Contractor material, when such material exists, for review purposes only. These include pertinent existing aerial photographs, maps, studies, plans, surveys, reports and photographs. The Government shall provide a list of all information available for review with each Task Order. The Government will indicate the location and access to review material in each Task Order. Review materials generally are located at NAVFAC SW or the installation.
2.4.4	Government-Furnished Equipment (GFE)	The Government will not furnish or make available to the Contractor any tools and equipment.
2.5	Contractor-Furnished Items	Except for items identified as Government Furnished, the Contractor shall provide all equipment, materials, parts, supplies, components, facilities, incidental engineering, transportation, lodging/subsistence and services to perform the requirements of this contract. The KO (via the COR) may inspect Contractor-furnished items for adequacy and compliance with contract requirements. Inadequate or unsafe items shall be removed and replaced by the Contractor at no cost to the Government. Materials containing asbestos, lead, and PCB's shall not be brought on site. The KO (via the COR) may at any time require samples, Material Safety Data Sheets (MSDS), manufacturer's data cut sheets of materials used in this contract.
2.6	Product Ownership	All materials resulting from this contract including documents, data forms, reports, maps, photographs, electronic data and presentation graphics are the exclusive property of the U.S. Government. These data will not be used in whole or in part in any professional, scientific or non-scientific report, paper, or note, published or unpublished, or be part of any technical or non-technical presentation without prior written authorization from the KO (secured via the COR).
2.6.1	Publications	<p>Authorship of any publication arising from the research surveys conducted under the contract shall be determined by a joint consultation between the KO (via the COR) and the Contractor. In particular, the Contractor shall acknowledge support of the Department of the Navy in any publications or publicly distributed reports.</p> <p>The Government retains the right, prior to publication, to review and approve all manuscripts using data obtained as a result of the contract. Such review and approval are necessary to ensure that national security is not breached, support of the military operational requirement is accomplished and that proper reference to this Navy contract has been accomplished. Such review and approval shall be limited to 45 days from NAVFAC SW receipt of the request provided by the Contractor via the COR.</p>

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Spec Item	Title	Description
2.6.2	Data, Field Notes, Field Specimens and Products	<p>The Department of the Navy retains ownership of all data and products. The Department of the Navy also retains the right to publication of this research should the Contractor fail to do so within three years of completing the research. The Department of the Navy also retains the right to publish any re-analysis of the data. However, the Contractor may retain copies of all data and products for scholarly and educational purposes.</p> <p>All field specimens, raw data and field notes acquired by the Contractor for use in this contracted work shall be maintain by the Contractor. The U.S. Government shall be supplied with a set of voucher specimens, a copy of the raw data and copies of all field notes.</p>
2.7	Management	The Contractor shall manage the total work effort associated with the services required herein to meet the performance objectives and standards. Such management includes but is not limited to planning, scheduling, inventory, analysis, cost accounting, report preparation, establishing and maintaining records, quality control and meeting professional industry standards for natural resources work. The Contractor shall provide staffing with the necessary management expertise to assure performance objectives and standards are met.
2.7.1	Work Control	The Contractor shall implement all necessary work control procedures to ensure timely accomplishment of work requirements, as well as to permit tracking and reporting of work in progress. The Contractor shall plan and schedule work to assure material, labor, and equipment are available to complete work requirements within the specified time limits and in conformance with the quality standards established herein.
2.7.2	Work Schedule	The Contractor's work shall not interfere with normal Government business. All work shall be performed and completed in accordance with the time frames established under each Task Order. In those cases where some interference is unavoidable, the Contractor shall minimize the impact and effects of the interference. The Contractor shall provide advance access of all of its work schedules to the Government. The Contractor shall immediately notify the KO (via the COR) of any difficulty in scheduling work due to Government controls.
2.7.3	Deliverables	Government acceptance of deliverables will not relieve the Contractor of the responsibility for any error or omission which may exist in the deliverable, as the Contractor is responsible for all requirements of this contract.
2.7.4	Service Interruptions	If any utilities or other services must be discontinued (even temporarily) due to scheduled contract work, the Contractor shall notify the KO, affected tenants, and customers in accordance with local procedures.

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Spec Item	Title	Description
2.7.5	Frequency of Service	<p>Unless otherwise noted, services designated with the following frequencies shall be performed at intervals specified:</p> <p>a. Annual (A). Services performed once during each 12 month period of the contract at intervals of 335 to 395 days.</p> <p>b. Semi-Annual (SA). Services performed twice during each 12 month period of the contract at intervals of 160 and 200 calendar days.</p> <p>c. Biennial (BA). Services performed every 2 years on a date or during the month specified.</p> <p>d. Quarterly (Q). Services performed 4 times during each 12 month period of the contract at intervals of 80 to 100 calendar days.</p> <p>e. Monthly (M). Services performed 12 times during each 12 month period of the contract at intervals of 28 to 31 calendar days.</p> <p>f. Bi-monthly (BM). Services performed 6 times during each 12 month period of the contract at intervals of 58 to 63 calendar days.</p> <p>g. Weekly (W). Services performed 52 times during each 12 month period of the contract at intervals of 6 to 8 calendar days.</p> <p>h. Bi-weekly (BW). Services performed 26 times during each 12 month period of the contract at intervals of 13 to 15 calendar days.</p> <p>i. Daily (D). Services performed 261 times during each 12 month period of the contract, once each day, Monday through Friday, including holidays unless otherwise noted.</p>

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Spec Item	Title	Description
2.7.6	Quality Control Program	<p>A. The Contractor shall establish and maintain a complete Quality Control (QC) program to ensure that work performed under the contract conforms to the contract requirements. The Contractor's QC Program shall provide an effective and efficient means of identifying and correcting problems throughout the entire scope of operations. The Contractor's QC program shall address:</p> <ul style="list-style-type: none"> • Accurate documentation of work processes, procedures, and output measures. • A systematic procedure for assessing compliance with performance objectives and standards. • Accurate documentation of quality inspections conducted throughout the execution of work. • Assessment-driven corrective actions and process adjustments as appropriate in a timely manner. <p>B. The Contractor shall submit a written description of their QC Program to the KO (via the COR) for review and approval within 15 calendar days after award of the contract. A general description of the Contractor's QC Program shall be available for Government review during the pre-award survey.</p>
2.7.6.1	QC Inspection	The Contractor shall establish and maintain an inspection system in accordance with the FAR Clause 52.246-4, INSPECTION OF SERVICES – FIXED PRICE, to ensure that the work performed conforms to the contract requirements. The Contractor shall maintain a file of all scheduled and performed QC inspections, inspection results, and dates and details of corrective and preventive actions. The file shall be the property of the Government and made available during the Government's regular working hours. The file shall be turned over to the KO (via the COR) within 5 calendar days of completion/termination of the task order.
2.8	Personnel Requirements	The Contractor shall furnish sufficient personnel to perform all work specified within the Contract and the Contractor shall comply with the personnel requirements stated below.
2.8.1	Key Personnel	The minimum qualifications for education and experience are set forth below. Key personnel shall be employees of the prime contractor.
	Program Manager	<p>The Program Manager shall be an employee of the prime contractor with authority to represent the interest of the contractor in all matters relating to the contract or to a specific task order.</p> <p>Minimum Qualifications:</p> <p>a) At least five (5) years of full-time professional experience in natural resources management, environmental science, or a closely related field.</p> <p>b) At least two (2) years of experience in a project principal or project director capacity.</p> <p>c) The ability to maintain a fully-staffed and equipped work force.</p>

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Spec Item	Title	Description
	Diving Safety Officer	<p>The Diving Safety Officer (DSO) serves as a member of the Diving Control Board as required by the American Academy of Underwater Scientists (AAUS). The DSO is responsible for all safety compliance for the Contractor and approves all US Army Corps of Engineers EM 385-1-1 Safety and Health Requirements safety documents for diving operations submitted to the Government. This diver can also act as the Diving Supervisor or Standby Diver, if qualified. The DSO shall approve and manage all diving aspects of Task Orders.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) At least five (5) years of experience as a dive team supervisor on marine research related dives as demonstrated by their resume. b) Appointed by the Contractor's AAUS Diving Control Board. <p>Minimum Education/Training:</p> <ul style="list-style-type: none"> a) Trained as a scientific diver. b) Designated as a full member as defined by AAUS and be an active dive instructor from an internationally recognized certifying agency. c) Hold current certification in first aid and cardiopulmonary resuscitation (CPR) from the American Red Cross, the American Heart Association, or from an organization whose training adheres to the standards of the International Liaison Committee on Resuscitation, or from a Licensed Physician; current certification in the use of emergency oxygen systems, and, if provided on the dive site, the use of Automated External Defibrillators. d) All classes shall contain a hands-on component and cannot be taken online.
	Diving Supervisor/Senior Marine Scientist	<p>The Dive Supervisor is the primary operational authority on the dive teams operation and will be assigned by the Contractor on all diving Task Orders.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) Meet the diving requirements of the US Army Corps of Engineers EM 385-1-1 Safety and Health Requirements for diving operations and AAUS. b) Participate in 12 working/training dives per year to maintain proficiency. c) At least five years of experience with surveying, mapping (using single-beam, multi-beam or sidescan sonar), monitoring eelgrass and exotic marine vegetation and algae, taxonomic identifications of marine fishes and invertebrates, shipboard surveys of marine mammals, working with unmanned autonomous vehicles, and conducting wetland reconnaissance and delineations. d) At least five years in a leadership role with direct experience managing teams and providing mentorship and training to intermediate and junior staff for successful project delivery. e) Working knowledge of federal and state environmental legislation as related to

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Spec Item	Title	Description
		<p>coastal development projects and potential impacts on fish and fish habitat, migratory birds, water quality and shipping.</p> <p>Minimum Education/Training:</p> <p>a) At least a Master's of Science or Master's of Arts degree in marine biology or highly related field. A Master's degree can be substituted with experience if the employee holds a Bachelor's degree in biology and they have at least 10 years of experience in the marine biology field.</p> <p>b) Demonstrate specific knowledge of the marine environment including eelgrass, exotic marine vegetation, marine mammals, fishes, algae, and invertebrates in intertidal and subtidal habitats.</p> <p>c) Demonstrate knowledge about the scientific method, technical science subject matter (i.e. biology, wildlife, botany, ecology, range science, hydrology, soil science, and/or zoology), sampling methods and design, field experience, Geographic Information Systems, and statistics.</p> <p>d) Hold current certification in first aid and cardiopulmonary resuscitation (CPR) from the American Red Cross, the American Heart Association, or from an organization whose training adheres to the standards of the International Liaison Committee on Resuscitation, or from a Licensed Physician; current certification in the use of emergency oxygen systems, and, if provided on the dive site, the use of Automated External Defibrillators.</p> <p>e) All classes shall contain a hands-on component and cannot be taken online.</p>
2.8.2	Non-Key Personnel	<p>This section outlines the requirements for individuals who shall be part of project teams, but who are not considered Key Personnel. If an individual possesses the required minimum qualifications and minimum education/training, they may fulfill more than one of the following roles on a project team. Resumes, permits, and qualifications for the following personnel do not need to be submitted in advance to the Government.</p> <p>However, if the Contractor has performance challenges, the Contracting Officer or their Representative may request documentation of project team members' qualifications, education and training. Individual Spec Items may stipulate additional qualifications required. Additionally, the Contractor is responsible to provide personnel qualified to perform the work. Qualifications stated here are the minimum qualifications that apply to work under Spec Items.</p>

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Spec Item	Title	Description
	Marine Scientist (Diver/Technician/Biologist)	<p>The Contractor shall assign a Marine Scientist(s) with the appropriate qualifications for all marine related species or habitat work.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) Meet the diving requirements of the US Army Corps of Engineers EM 385-1-1 Safety and Health Requirements for diving operations and AAUS. b) Participate in five (5) working/training dives per year to maintain proficiency. c) At least three years of experience surveying, mapping (using single-beam, multi-beam or sidescan sonar), monitoring eelgrass and exotic marine vegetation and algae, taxonomic identifications of marine fishes and invertebrates. d) At least three (3) years of experience specifically conducting shipboard/aerial visual surveys for marine mammal species. e) Experience working from a variety of observation platforms such as small and large vessels and shore-based monitoring of species behavior in addition to documenting censuses. <p>Minimum Education/Training:</p> <ul style="list-style-type: none"> a) At least a Bachelor's of Science or a Bachelor's of Arts in marine biology or highly related field. b) Have had training through National Marine Fisheries Service (NMFS) approved programs.
	Standby Diver (Captain/Deckhand/Technician)	<p>A Standby Diver with the following qualifications will be assigned by the Contractor on all diving Task Orders.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) Meet the diving requirements of the US Army Corps of Engineers EM 385-1-1 Safety and Health Requirements for diving operations and AAUS. b) Participate in five (5) working/training dives per year to maintain proficiency. c) At least one year experience surveying, mapping, sonar (single, multi and sidescan), transplanting, and monitoring eelgrass and exotic marine vegetation and algae. <p>Minimum Education/Training:</p> <ul style="list-style-type: none"> a) Captain's must maintain licenses and certifications appropriate for the vessel being operated.

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Spec Item	Title	Description
	Senior GIS/Sonar Analyst	<p>The Contractor shall assign a Geographic Information System Professional to all Task Orders for which GIS work is being done.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) Demonstrated experience in Geographic Information System analysis, data organization, geodatabase maintenance and troubleshooting, and geospatial analyses. b) Minimum of 3996 hours of experience (in addition to educational/training time) using Geographic Information Systems and Global Position Systems with natural resources scientists and projects. c) A minimum of 3996 hours managing relational database software. d) Ability to utilize and import and maximize the accuracy data from, a variety of GPS data sources (Terrasync, iPhone and smart phone maps, Garmin, Trimble, etc). e) Ability to work with ERDAS, AutoCAD, or other locational information software and an ability to transfer files between different locational information software types. <p>Minimum Training/Education:</p> <ul style="list-style-type: none"> a) A bachelor's degree in geography, natural resources, natural sciences, planning, engineering, or geographic information systems. b) At least one (1) of the following three (3) qualifications: <ul style="list-style-type: none"> i. Possess a Geographic Information Certificate from a college/university (see http://www.sdmesa.edu/students/academicprograms/gis/degrees/). ii. Thirteen hours of GIS coursework. Acceptable courses are in the following areas: Geographic Information Science and Spatial Reasoning, Geographic Information Systems, Computerized Map Design, Cartography, Component GIS Architecture, Spatial Databases, Remote Sensing, Spatial Analysis, and GIS Mapping. iii. ArcGIS Desktop Associate Certification (or higher, see (http://www.esri.com/training/main/certification/desktopAssociate)).

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Spec Item	Title	Description
	Statistician	<p>The Contractor shall assign a Statistician with the following qualifications for all work requiring statistical analyses.</p> <p>Minimum Qualifications:</p> <ul style="list-style-type: none"> a) The ability to interface statistical analysis successfully with marine resources work. b) Demonstrated experience as primary statistical advisor for at least 1998 hours and on at least ten (10) projects as indicated by resume. c) Demonstrated experience with statistical software packages such as SAS and/or SYSTAT (experience may be documented by coursework, certification, or experience). d) Demonstrated experience working with GIS professionals on the implementation and interpretation of geospatial analyses. e) A full range of professional statistical knowledge in natural resources that is demonstrated by coursework and/or the projects they have advised, including: <ul style="list-style-type: none"> i. Sampling, collecting, computing, and analyzing biological data. ii. Experimental design experience related to sample selection, sample size, and required accuracy/power determinations. iii. Demonstrated ability to apply and appropriately interpret measures of central tendency, measures of dispersion, parametric and non-parametric hypothesis tests, goodness of fit tests, re-sampling, bootstrapping and randomization methods, and how to interpret the differences in outcome between the types of testing. iv. Use and interpretation of principal components analysis/factor analysis (PCA/ordination), and discrimination analyses, and the differences between them. v. An understanding of the effect of scale on geospatial statistical outcomes and the appearance of relationships, including the ability to identify if spatial occurrence is different from random or expected spacing. vi. Ability to use these techniques to interpret data and display them to adequately summarize data and support conclusions for the end user. <p>Minimum Training/Education: At least one (1) of the following two (2) qualifications:</p> <ul style="list-style-type: none"> a) Bachelor's in a statistical field (including statistics, applied mathematics, biometry) with a primary focus in mathematical ecology, biometry, or bio-statistics. b) A graduate school degree in natural resources with research that had major mathematical ecology, biometry, or bio-statistics components.

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Spec Item	Title	Description
	Wetland Delineator	<p>Wetland Delineator shall be assigned under those task orders that require wetland delineation or reconnaissance</p> <p>Minimum Qualifications:</p> <p>a) The delineator must know the ramifications of requesting a Preliminary Jurisdictional Delineation (PJD) or an approved JD (AJD) with the Army Corps of Engineers (ACOE).</p> <p>b) The wetland delineator will have extensive field work experience identifying wetlands and non-wetland waters of the U.S., in-depth knowledge of both the 1987 ACOE wetland delineation manual and the regional supplement appropriate to the Task Order area, and understanding delineation paperwork.</p> <p>c) Experience delineating waters of the U.S. for at least 1998 hours for the Task Order US Army Corps of Engineers Task Order region.</p> <p>This experience shall include:</p> <p>i. Getting delineations approved by the ACOE.</p> <p>ii. Experience making an isolated drainage call in the ACOE region of concern.</p> <p>iii. In the arid southwest, experience using ACOE guidance "Distribution of Ordinary".</p> <p>iv. High Water Mark (OHWM) Indicators and Their Reliability in Identifying the Limits of "Waters of the United States" in Arid Southwestern Channels" to delineate non-wetland waters of the U.S.</p> <p>d) Ability to correctly identify to species, subspecies or variety (as appropriate) all vascular plant species that occur on project site as defined in Task Order using taxonomic keys if necessary.</p> <p>Minimum Education/Training:</p> <p>a) A bachelor's degree in hydrology or natural sciences.</p> <p>b) Formal documented training in the wetland delineation methods used in the US Army Corps of Engineers Wetland Delineation Manual (Environmental Laboratory, 1987).</p>

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Spec Item	Title	Description
	GPS/GIS/Sonar Technician	<p>The Contractor may assign a GIS Technician to assist the GIS Professional, Project Manager, and Senior Biologist with GPS data collection and GIS database and analysis implementation.</p> <p>Minimum Qualifications:</p> <p>a) At least 1998 hours of Geographic Information System/Global Positioning System experience collecting GPS data and transferring it into GIS databases and eight semester hours of technical coursework in Geographic Information Systems. Acceptable courses are in the following areas: Geographic Information Science and Spatial Reasoning, Geographic Information Systems, Computerized Map Design, Cartography, Component GIS Architecture, Spatial Databases, Remote Sensing, Spatial Analysis, and GIS Mapping.</p>
	Marine Mammal Observer	<p>The Contractor shall assign a Marine Mammal Observer on all Task Orders with associated marine mammal visual observations.</p> <p>Minimum Qualifications:</p> <p>a) At least a Bachelors of Science degree in marine biology or a closely related field.</p> <p>b) At least five (5) years of experience specifically conducting shipboard/aerial visual surveys for marine species in southern and central California.</p> <p>Minimum Education/Training:</p> <p>a) Training through National Marine Fisheries Service (NMFS) approved programs and have experience working from a variety of observation platforms such as small and large vessels and shore-based monitoring of species behavior in addition to documenting presence and absence.</p>
	Field Technician	<p>Minimum Qualifications:</p> <p>a) Have the strength, endurance, agility, coordination, and visual and hearing acuity to perform the work covered by the Spec Items.</p> <p>b) Ability to write legibly, organize, and type data correctly.</p> <p>Minimum Education/Training: One of the following three (3) Education/Training paths:</p> <p>a) At least 2664 hours experience in field work specific to the Task Order.</p> <p>b) Associate of Science degree in natural sciences subject with at least 1332 hours of experience.</p> <p>c) Bachelor's degree in natural sciences subject with successful completion of field work course (such as field ecology, field school, undergraduate thesis with field work component) and at least 666 hours field season experience.</p>

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Spec Item	Title	Description
2.8.3	Employee Requirements/Qualifications	The Contractor shall provide experienced, qualified, and capable personnel to perform the work in this contract. Specific qualifications are required in performing work under particular Spec Items. Personnel shall also be fully knowledgeable of all safety and environmental requirements associated with the work they perform. Personnel shall speak, read, and comprehend English to the extent that they can read and understand printed regulations, detailed written orders, operating procedures, training instructions and materials.
2.8.3.1	Identification as Contractor Employee	Contractor employees shall identify themselves as Contractor personnel by introducing themselves or being introduced as Contractor personnel and displaying distinguishing badges or other visible identification for meetings with Government personnel and must also be worn and visible at all times when on base. All Contractor employees shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.
2.8.3.2	Employee Appearance	The Contractor shall ensure that all employees present a professional appearance that is appropriate for their position. The KO reserves the right to determine the acceptability of any clothing worn. Employee identification shall not be substituted for station required passes or badges.
2.8.3.3	Employee Conduct	Contractor employees shall conduct themselves in a proper, efficient, courteous and businesslike manner.
2.8.3.4	Removal of Employees	The Contractor shall remove from the site any individual whose continued employment is deemed by the KO to be contrary to the public interest or inconsistent with the best interests of National Security.
2.8.3.5	Proof of Citizenship	No employee or representative of the Contractor will be admitted to the site of work unless satisfactory proof of citizenship is furnished, or, if an alien, legal residency within the United States is confirmed.
2.9	Security Requirements	The Contractor shall comply with all federal, state, and local security statutes, regulations, and requirements. The Contractor shall become acquainted with and comply with all Government regulations as posted, or as requested by the KO when required to enter a Government site. The Contractor shall ensure that all security/entrance clearances and badges are obtained.
2.9.1	Employee Listing	The Contractor shall maintain and provide the Contracting Officer via the COR a current listing of employees within 15 days from award. The list shall include employee's name, and level of security clearance.
2.9.2	Vehicles	The company name shall be displayed on each of the Contractor's vehicles in a manner and size that is clearly visible. All vehicles shall display a valid state license plate that complies with State Vehicle Code and, if required, a DoD decal. Vehicles shall meet all other requirements of the State Vehicle Code, such as safety standards, and shall carry proof of insurance and state registration, if applicable. Vehicles shall be maintained in good repair.

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Spec Item	Title	Description
2.9.3	Passes and Badges	<p>All Contractor employees shall obtain the required employee and vehicle passes. All Contractor personnel may obtain access to the installation by participating in the Navy Commercial Access Control System (NCACS) or by obtaining passes each day from the Base Pass and Identification Office. Costs for obtaining passes through the NCACS are the responsibility of the Contractor. One-day passes, issued through the Base Pass and Identification Office, will be furnished without charge. Each employee shall wear their badge over the front of the outer clothing.</p> <p>The Contractor shall furnish a completed Employment Eligibility Verification (DHS Form I-9) form for all personnel requesting badges. This form is available at http://www.uscis.gov/portal/site/uscis by searching or selecting Employment Verification (Form I-9).</p>
2.9.3.1	NCACS Program	<p>NCACS is a voluntary program in which Contractor personnel who enroll, and are approved, are subsequently granted access to the installation for a period up to one year, or the length of the contract, whichever is less, and are not required to obtain a new pass from the Base Pass and Identification Office for each visit.</p> <p>The Government performs background screening and credentialing. Throughout the year the Contractor employee must continue to meet background screening standards. Periodic background screenings are conducted to verify continued NCACS participation and installation access privileges. Under the NCACS program, no commercial vehicle inspection is required, other than for Random Anti-Terrorism Measures (RAM) or in the case of an elevation of Force Protection Conditions (FPCON).</p> <p>Information on costs and requirements to participate and enroll in NCACS is available at http://eidpassport.com/products/government/rapidgate or by calling 1-877-727-4342. Contractors should be aware that the costs incurred to obtain NCACS credentials, or costs related to any means of access to a Navy Installation, are not reimbursable. Any time invested, or price(s) paid, for obtaining NCACS credentials will not be compensated in any way or approved as a direct cost of any contract with the Department of the Navy.</p>
2.9.3.2	One-Day Passes	<p>Participation in the NCACS is not mandatory, and if the Contractor chooses to not participate, the Contractor's personnel will have to obtain daily passes, be subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government will not be responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the NCACS.</p>
2.9.4	Access to Buildings	<p>The Contractor shall comply with security requirements, plus those imposed by the installation Commander at all times. Personnel with access to special areas will have the appropriate screening and/or security clearance, and personnel requiring routine access to restricted areas will wear special badges authorizing access for those areas. Contractor personnel shall not enter restricted or controlled areas or installation facilities unless specifically authorized in performance of their duties. The Contractor shall secure all buildings and facilities entered during non-duty hours and will secure all building and facilities under the Contractor's cognizance at the end of each work day or shift period.</p>

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Spec Item	Title	Description
2.9.5	Access Arrangements	The Contractor shall make all arrangements necessary to obtain access to buildings, facilities and other work areas, and when necessary, arrange for them to be opened and closed by the controlling authority.
2.9.6	Security Clearances	The Contractor shall obtain all required corporate and personnel Security Clearances prior to commencement of work. The Contractor shall ensure that a list of all personnel with Security Clearances is maintained current, including clearances that are pending.
2.10	Contractor Safety Program	<p>The Contractor shall develop and implement a Safety Program detailing how the Contractor plans, staffs, performs, and controls all safety practices while delivering best value services to the Government without any accidents or mishaps. The Contractor's safety program shall comply with all safety standards identified in the U.S. Army Corps of Engineers Safety and Health Requirements Manual, EM 385-1-1 and Public Law 91-596, Occupational Safety and Health Act.</p> <p>After contract award, the Contractor will submit a current Corporate Health and Safety Plan to the Contracting Officer for review by the Government for use as the Health and Safety Program Plan. Task order specifications for the Accident Prevention Plan (APP) will be generated from the UFGS-01 35 29 (April 2006 or latest version).</p> <p>In accordance with the USACE EM 385-1-1 of 14 Nov 2014, or latest edition (http://www.usace.army.mil/SafetyandOccupationalHealth/SafetyandHealthRequirementsManual.aspx), the Contractor shall use a qualified person to prepare the site-specific APP for each Task Order when the nature of the work requires it.</p>

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Spec Item	Title	Description
2.10.1	Accident Prevention Plan (APP)	<p>The Contractor shall develop and implement a site Accident Prevention Plan (APP). The APP shall be prepared by the Contractor's Site Safety and Health Officer (SSHO) and shall be followed by all Contractor employees, subcontractors, and vendors at each service site.</p> <p>The APP shall be prepared in accordance with the format and requirements of USACE EM 385-1-1 and as specified in the contract Task Order. Minimum requirements are outlined in USACE EM 385-1-1, Appendix A, "Minimum Basic Outline for APP". The APP shall be job-specific and shall address any unusual or unique aspects of the project or activity as described in the contract Task Order. The APP shall interface with the Contractor's Corporate Health and Safety Plan. The Contractor shall submit a draft APP for Government review and comment as required by each Task Order. All Government comments, additions or revisions shall be incorporated into the final APP. Any portions of the Contractor's overall safety and health program referenced in the APP shall be included in the applicable APP element and made site specific. The Government considers the Prime Contractor to be the "controlling authority" for all work site safety and health of the subcontractors. Contractors are responsible for informing their subcontractors of the safety provisions under the terms of the contract and the penalties for noncompliance, coordinating the work to prevent one craft from interfering with or creating hazardous working conditions for other crafts, and for inspecting subcontractor operations to ensure that accident prevention responsibilities are being carried out. The APP shall be signed by the person and firm (senior person) preparing the APP, the Contractor, the on-site superintendent, the designated site safety and health officer and any designated Certified Safety Professional (CSP) and/or Corporate Industrial Hygienist (CIH). Activity Hazard Analysis (AHA) shall be updated as specified in the final APP.</p> <p>The Contractor shall submit an APP for acceptance per task order requirements. The Contractor shall review, update, and submit revisions to the APP whenever a change in work conditions, hazards, or activities occur. Submittal of the APP shall include Activity Hazard Analyses (AHAs) and Occupational Risk and Compliance Plans and Programs as specified on the next page.</p>

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Spec Item	Title	Description
2.10.2	Activity Hazard Analysis (AHA)	<p>The Contractor shall prepare Activity Hazard Analyses (AHAs) for all applicable common recurring work activities performed under this contract.</p> <p>AHAs for recurring work shall be submitted with the APP and shall be updated as work activities or conditions change and additional AHAs prepared as new work activities are required. AHAs for non-recurring and one-time (e.g., IDIQ task orders) work occurrences shall be submitted at least two working days prior to start of work. Specifically:</p> <p>The Contractor shall submit an AHA on task orders with associated proposals whenever the service environment or required task is different than the FFP priced services. AHAs shall follow format of Figure 1-2 of EM 385-1-1 and shall explain the following as detailed in the EM 385-1-1:</p> <ul style="list-style-type: none"> • The steps of the service process; • Identify potential hazards that exist as a result of the Contractor's service process within the environment; • Measures or plans of actions to safely remove potential hazards away from people in and around the service process and environment; • Specific materials and equipment necessary to safely remove potential hazards away from people in and around the service process and environment; • Inspection requirements to assure service activity is safe; and • Training of service personnel to be aware of potential hazards and measures or plans of actions to be used to remove hazards from service environment. <p>During performance of services, the SSHO shall periodically review the AHA at each service site and for each sub-annex to assess the effectiveness of the Contractor's overall APP. If changes to the AHAs are required, such changes shall be submitted to the KO for review and acceptance.</p>
2.10.3	Emergency Response Plans	The Contractor shall develop emergency response plans to ensure safe evacuation and personnel safety in the event of fire or other emergency that include elements addressed in 01.E, 03.A, 03.D, and 19.A.04 of EM 385-1-1.
2.10.4	Hazards	Approximately 60 percent of the fieldwork in the desert ecological zone may be subject to flash flooding, which most commonly occurs along paved roads, gullies, arroyos and ravines. Approximately 40 percent of the fieldwork may be performed in ordnance impact areas, existing ranges or former ranges. Hazards in these areas may result from unexploded ordnance. All Contractor field personnel involved in each task order for which this potential exists shall attend safety briefs.
2.10.5	Emergency Medical Care	Only emergency medical care is available in Government facilities to the Contractor employees who suffer on-the-job injury or disease. Care will be rendered at the rates in effect at the time of treatment. Reimbursement shall be made by the Contractor to the Naval Regional Medical Center Collection Agent upon receipt of statement.

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Spec Item	Title	Description
2.10.6	Safety Inspections and Monitoring	The Contractor's workspace may be inspected periodically for OSHA and Navy violations. Abatement of violations will be the responsibility of the Contractor and/or the Government as determined by the KO. The Contractor shall provide assistance to the Safety Officer escort and the federal or state OSHA inspector if a complaint is filed. Any fines levied on the Contractor by federal or state OSHA offices due to safety/health violations shall be paid promptly.
2.10.7	Accident Reporting	The Contractor shall report all accidents to the KO, including exposure data, resulting in death, trauma or occupational disease. All accidents must be reported to the KO (via the COR) within 12 hours of the occurrence.
2.10.8	Damage Reporting	The Contractor shall submit to the KO (via the COR), in the manner and on the forms prescribed by the Government. A full report of damage to Government property and/or equipment by Contractor employees. All damage reports shall be submitted to the KO (via the COR) within 12 hours of the occurrence.
2.10.9	Fire Protection	The Contractor shall know where fire alarms are located and how to activate them. The Contractor shall handle and store all combustible supplies, materials, waste and trash in a manner that prevents fire or hazards to persons, facilities, and materials. Contractor employees operating critical equipment shall be trained to properly respond during a fire alarm or fire in accordance with local activity.
2.11	Environmental Protection	The Contractor shall comply with all applicable federal, state, and local laws, and with all applicable regulations and standards. All environmental protection matters shall be coordinated with the KO (via the NTR). Inspection of any of the facilities operated by the Contractor may be accomplished by the Activity Environmental Protection Coordinator, or authorized officials on a no-notice basis during Government regular working hours. In the event that a regulatory agency assesses a monetary fine against the Government for violations caused by Contractor negligence, the Contractor shall reimburse the Government for the amount of that fine and other costs. The Contractor shall comply with the instructions of the Navy Medical Department with respect to avoidance of conditions which create a nuisance or which may be hazardous to the health of military or civilian personnel.
2.11.1	Non-Hazardous Waste	The Contractor shall dispose of debris and rubbish resulting from the work under this contract off of Government property.
2.11.2	Hazardous Waste	The Contractor shall dispose of all hazardous waste in accordance with the Resource Conservation and Recovery Act and all other applicable federal, state and local laws and regulations. No on-installation disposal of hazardous waste is allowed.
2.11.3	Spill Prevention, Containment, and Clean-up	The Contractor shall contain, clean up, and report all spills on Government property in a manner that complies with applicable federal, state, and local laws and regulations or otherwise stated herein, and the installation spill control plan at no cost to the Government.
2.11.4	Hazardous Material Use	The Contractor shall ensure that procedures are in place to handle hazardous materials, pursuant to the FAR Clause 52.223-3, HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA.

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Spec Item	Title	Description
2.11.5	Protection of Endangered and Threatened Species (Flora and Fauna)	The Contractor shall not disturb endangered and threatened species and their habitat. The Contractor shall carefully protect in-place and report immediately to the KO (via the COR) endangered and threatened species discovered in the course of work. The Contractor shall stop work in the immediate area of the discovery until directed by the KO (via the COR) to resume work.
2.11.6	Noise Control	The Contractor shall comply with all applicable federal, state and local laws, ordinances, and regulations relative to noise control.
2.11.7	Salvage	All material and equipment removed or disconnected that is sound and of value shall remain the property of the Government. The Contractor shall deliver this material and equipment at the Contractor's expense to the location specified in the task order.
2.11.8	Asbestos Containing Material (ACM)	Asbestos containing insulation, flooring, and other building materials may be encountered by the Contractor during the performance of work under this contract, and the Contractor shall remain alert to this possibility. If ACM is encountered or suspected in the performance of work, the Contractor shall avoid removing, sanding, abrading, or disturbing the material. The Contractor shall verbally notify the KO (via the COR) within one hour and follow-up with written notification within 24 hours.
2.12	Disaster Preparedness	The Contractor shall comply with the activity's Contingency Instruction. The Contractor shall prepare the installation before, and perform damage evaluation and emergency recovery after, natural disasters and other emergencies as directed by the KO.
2.13	Energy Management	The Contractor shall comply with the activity's energy conservation program. Use of high energy consuming tools or equipment is subject to approval by the KO (secured via the COR) prior to use.
2.14	Warranty Management	The Contractor shall report to the KO (via the COR) all defects in workmanship, material, parts, or improper installation by others and found by the Contractor to be covered by a warranty prior to performing repair work. The Contractor is responsible for knowing which equipment and components are covered by the original warranty and the warranty duration. The KO (via the COR) will provide available warranty documents.
2.15	IDIQ Work Pre-Established Firm-Fixed priced work	This is an Indefinite Delivery Indefinite Quantity (IDIQ) contract for services to conduct marine habitat surveys, prepare and provide marine habitat maps, and monitor marine habitats and species at various locations in California, Oregon and Washington with both non pre-established fixed contract prices and pre-established fixed contract prices. Work under this contract will be ordered by written task orders issued to the Contractor by the KO.

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Spec Item	Title	Description
2.15.1	Negotiated, Non-Pre-Established Firm-Fixed Price Work	For work requirements with no pre-established fixed contract prices, each Task Order project will be competed by soliciting proposals from awardees under this contract. The actual amount of work to be performed and the time of such performance will be determined by the KO or his/her properly authorized representative, who will issue written task orders to the Contractor. Task order projects will provide location, scope of work, period of performance, quantities, COR and reference documents. The awarded task order will be a performance scope, firm-fixed price task with a specific completion date. Each task order will contain applicable clauses and provisions.
2.15.1.1	IDIQ Preparation of Proposals	In response to the Government's Request for Proposal (RFP) under Annex 18, the Contractor shall submit a proposal to the requesting KO. Proposals are to be submitted as designated per task order.
2.15.1.2	Issuance of Task Order	The KO will issue a task order for the work to the firm offering the best overall value to the Government based on specified evaluation factors per task order.
2.15.1.3	Technical Requirements for Geographic Area Mobilization and Operational Costs	Services under this contract are centered on facilities located in and around San Diego, California. NAVFAC SW has been playing an increasing role in supporting the needs of its regular customers as well as providing interagency support to other branches. As such, it is necessary to ensure Contractor resource availability over a large geographic service area. The Contractor shall provide pricing to mobilize and demobilize staff and equipment included in the ELIN pricing. The Contractor shall be responsible for all costs associated with travel, equipment mobilization and demobilization, site logistics, and feeding and lodging of project personnel on travel.

(End of Summary of Changes)