

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet

A General Information

Organization Okaloosa County - Public Works			
Contact Name (First Last) John Hofstad		Title Public Works Director	
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B Project Information

Type of Project New Project ☐	If this is a Change to an Existing Project, enter the Project ID Number		
Project Name Okaloosa County Public Artificial Reef Assessment and Restoration			
Location (e.g. John Smith National Wildlife Refuge) Gulf of Mexico and Choctawhatchee Bay - Okaloosa County			
State(s) (Use 2-letter abbreviations separated by commas) FL	County/Parish Okaloosa	Watershed/Basin Gulf of Mexico/Bay	
Latitude (decimal degrees)	Longitude (decimal degrees)	Project Size (Choose one) miles acres tons	Affected Area acres

C Project Description

Please provide more information about the proposed project. (Limit 2,500 characters.)

This three phase project will assess and restore the Okaloosa County Artificial Public Reef Network. Phase I will be the physical inspection and reporting of the reef network. Phase II is the assessment of data and development of the restoration plans. Phase III will be the execution of the restoration plan and out-year monitoring. Please refer to the attached supplemental information that will assist in the Project Assessment.

Natural Resource Damage Assessment (NRDA)

Restoration Project Information Sheet *(continued)*

D Project Activity(s)

(Check all that apply)

☒ Restoration

☐ Protection

☐ Debris Removal

☐ Land Acquisition

☒ Maintenance/Management

☐ Education

E Project Habitat(s)

(Check all that apply)

☐ Upland

☐ Riverine

☒ Marine/Estuarine Wetlands

☐ Freshwater Wetlands

☐ Beach/Dune

☒ Subtidal (Nearshore/Offshore)

F Resource Benefit(s)

(Check all that apply)

☒ Marine Mammals

☒ Birds

☐ Reptiles/Amphibians

☒ Fish

☒ Shellfish

☐ Terrestrial Wildlife

☒ Corals

☒ Vegetation

☒ Water Column

☒ Sediment/Benthos

☐ Shoreline

☒ Human Use (Recreational, Cultural)

Will the project directly benefit State- or Federally-listed species? If so, please list them. If not, please indicate N/A.

G Project Status

Property/Resource Acquisition **Completed**

Project Planning/Design **In Progress**

Project Permitting. **Not Started**



Time to Implementation

0-3 months



Time to Project Completion

1-5 years



Is this project included under a regional or statewide plan? **No** ☐

If so, please list:

H Project Costs

Estimated Cost

\$1,606,000.00

Funding Available

\$0.00

I Project Partners

Partner 1 Organization

To Be Determined

Partner 1 Contact

Partner 1 Involvement

Partner 2 Organization

TBD

Partner 2 Contact

Partner 2 Involvement

Partner 3 Organization

TBD

Partner 3 Contact

Partner 3 Involvement

Disclaimer:

The submission of project information **does not** guarantee project funding. Projects will be evaluated using criteria identified in OPA, NEPA, implementing regulations, and related laws. Selection and funding determinations will be made by the Trustee Council.

POTENTIAL DEEPWATER HORIZON OIL SPILL RESTORATION PROJECTS:

PROVIDING INFORMATION TO ASSIST WITH PROJECT ASSESSMENT

To help you propose projects to the State of Florida's Department of Environmental Protection (DEP), we developed this project submission form. You are not required to complete this form to submit a project. However, completion of the form will help DEP gather the information required to completely and accurately evaluate a project against the selection and evaluation criteria. Where appropriate in the form, please provide references to any additional supporting information.

Project Name: *(Include project number from DEP's existing list of submitted projects, if applicable.)*

Okaloosa County Public Artificial Reef Assessment and Restoration

Location for Project Implementation: *(For example, city and county, GIS coordinates if known.)*

Existing reef sites to be evaluated for restoration can be found attached to this application. There are approximately 300 reef structures deployed prior to 2005 that are in particular need of assessment and potential restoration. A special note concerning the Existing Reef Site tables attached: Some of the reefs listed are centerpoints of a patch reef. Patch Reefs are multiple reefs deployed in a single event within a relative close proximity to each other. Reefs listed that are actually centerpoints of patch reefs are highlighted by a bold font. Each patch reef is considered a candidate for assessment and restoration.

Brief Project Narrative: *(Describe what the project will do.)*

This project will assess and restore existing public artificial reef sites in the Gulf of Mexico off of the coast of Okaloosa County. Okaloosa County has teamed with Eglin Air Force Base and its tenants to provide a large continuously growing inventory and of unused concrete and other regulatory compliant materials for the restoration effort.

PHASE I

Monitoring of the existing reef system that could have been potentially impacted by the Deepwater Horizon Oil Spill product or products used in the remediation effort has not been performed. Sparse anecdotal evidence collected by local divers has been the only source of data received by either Local, State or Federal agencies. The first phase of this project will be to access each documented public reef to determine the overall health of the reef system, document signs of potential oil spill related impacts, and record the presence of marine species by direct observation. A list of existing reef systems to be assessed by this effort is contained in Attachment A.

PHASE II

The second phase of the project will be to compare observational data with the original material descriptions of the deployment and determine if the reef would benefit from addition of reef building material. Reefs will be prioritized based on the observational data and the appropriate restoration material will be selected for deployment.

PHASE III

The third phase of the project will be the deployment of material to the existing reef network based on the results of Phase I and Phase II of the project. The restoration effort will require a special permitting strategy since the framework of the permit regulations do not account for the restoration of a large number of reef sites in a single project. Conversations with the FDEP permitting staff have indicated that permitting the proposed project is possible based on the conceptual approach described in this application.

Estimated Project Costs: *(Describe the costs of the project, including any assumptions for contingency and ongoing operations and maintenance. Identify other available funding sources such as matching funds, in kind contributions or state or federal dollars. If possible, attach a schedule of anticipated costs, by year, over the anticipated project life.)*

In-kind contributions will be realized through the use of repurposed concrete and steel contributed by the USAF. The material will be donated at no cost and will not require the USAF to utilize more traditional means of disposal of the unused concrete material. It is estimated that 9 million pounds (4500 tons) is available for this project. All other project activities; planning, assessment of existing reef system, preparation of material for transportation, transportation to staging area, loading onto transport, transportation of material to deployment site, deployment and post assessment reporting, will be funded through this project.

PHASE I

- Project Planning (Phase I, II and III) _____\$36,000
- Assessment Purchasing –and Bid Processing _____\$5,000
- Assessment of Existing Reef System –Field Work_ \$175,000
- Assessment Report Compilation _____\$22,000

PHASE II

- Data Administration and Processing _____\$24,000
- Data Reporting and Prioritization of Reef Sites _____\$8,000
- Permit Strategy and Permit Preparation _____\$12,000
- Construction Plan Development _____\$18,000
- Purchasing and Bid Processing _____\$5,000

PHASE III

- Material Procurement _____\$2,000
- Preparation of Material for Transport _____\$32,000
- Transportation to Staging Area _____\$320,000
- Deployment Activities _____\$1,185,000
 - Crane,
 - Excavator,
 - Tug with Captain and Crew,
 - Chase Vessel with Captain and Crew,
 - 2 Barges 30 ft x 120 ft,
 - Labor,
 - Fuel,
 - Administration,
 - Insurance,
 - Project Management, Reporting
 - Post Construction Monitoring and Reporting
- **Total Cost** _____**\$1,606,000**

Anticipated Project Outcome with Respect to Screening Criteria

S1. Technically and administratively feasible: *(Briefly describe the critical technologies involved and any relevant past experience with similar projects.)*

The proposed project will use well known practices and procedures to meet its objectives. The objective is to record reef conditions and restore existing reef structures to original potential and increase the endurance of the existing systems.

The Phase I assessment of the artificial reefs will be observational with no intrusive work elements. Divers will produce an observational narrative of the condition of each reef with verification through photographic and video evidence. Dimensions (vertical and horizontal) of the reef structure will be obtained as well as a record of the ecosystem diversity through the identification of living species present at the time of the assessment. All data will be compiled into a report containing detailed descriptions of the reefs and all supporting electronic media collected during the dives. This assessment is not intended to be a “scientific” study where the complexity of the content is beyond the capabilities of the casual reader. However, Okaloosa County will solicit diving contractors that have advanced knowledge of the species prevalent in regional waters.

Once assessment activities are concluded, the second phase of the project will be initiated; data will be compiled and prioritized primarily by rating observed reef degradation. Material types, quantities and sizes will be allocated to each reef. As the assigned quantities are established, a schedule will be developed for deployments to deliver the restoration material to the reef site. From the data collected in the assessment phase, a Construction Plan will be developed to detail required construction activities. Reef construction vendors will be solicited and cost proposal requests will be requested from potential vendors.

After selection of construction vendors, restoration of the reefs will commence according to the Construction Plan. When deployments are underway, all efforts will be made to strategically place the restoration material as close as possible to existing reef structures to facilitate seeding. (Seeding is important because it aids in the proliferation of marine species – especially species found on mature reefs.) Based on the inventory of material made available by Eglin AFB, the percentage of material types will be considered when allocating restoration material to attempt to maintain the existing reef ecosystem balance. For instance, if the reef primarily consists of concrete, then concrete will be the more prevalent restoration material. Two years after deployment of the new material, 50% of the reefs will be physically inspected again. This post construction effort is to document the condition of the reef which includes the restoration material.

The Okaloosa County Artificial Reef Program (OCARP) has managed and/or been the principle designer for artificial reefs for nearly two decades. Prior to that, the County fully supported private sector reef development even though an “official” County program did not exist. OCARP has developed an excellent relationship with the local reef building community that includes public and private sector entities and OCARP currently chairs the Artificial Reef Advisory Committee. The proposed project is typical of many projects OCARP has performed in the past and many of those same projects will be the beneficiary of this proposed effort.

S2. Provides environmental benefits: *(Briefly describe the nature, magnitude, and timing of any environmental benefits attributable to the project and any potential environmental costs associated with implementing or maintaining the project, e.g., loss of a habitat or conversion of habitat from one type to another during implementation.)*

Relatively new regulatory requirements specifying acceptable artificial reef construction material ensures that the reef stability and endurance will be sustained for many years. Publications such as “*Guidelines for Marine Artificial Reef Materials, 1997, Second Edition 2004*” and the “*National Artificial Reef Plan*” serve as resources to regulatory agencies for the development of statutory requirements and local artificial reef permitting agencies. Prior to the existence of these documents, the construction of artificial reefs and the materials used was desultory.

The local marine environment off of the coast of Okaloosa County is relatively featureless. It has been well documented through anecdotal evidence and scientific research (see <http://www.seagrass.noaa.gov/> and <http://flseagrass.org/> for publications) that the addition of submerged structure has an immediate positive impact on the marine environment. The Okaloosa County Artificial Reef Program is the permitting agency charged with the oversight of all artificial reef construction, both private and public, in the waters off of Okaloosa County. New reef construction, reef maintenance and restoration of the local reef systems nurture a natural resource that promotes and sustains tourism and provides a stable positive economic impact for the citizens of Okaloosa County. The proper construction of artificial reefs provides habitat to a wide variety of marine life including target species such as snapper, grouper, amberjack and a wide variety of pelagic species. The presence of smaller marine species and non-target species that find refuge on and around artificial reefs, serves to sustain the overall ecosystem of the reef. Restoration of existing reefs takes advantage of the maturity reached by the existing system and provides additional foundation material necessary for the reef to grow.

As mentioned previously, approximately 300 existing reef structures are in need of assessment and potential restoration. OCARP lacks available funding to properly maintain and assess the health of most of these existing reef systems. Data that is collected is largely anecdotal or restricted to data collected from the sea surface. This proposed project would provide a snapshot of the condition of these reefs and provide immediate relief for struggling reefs by providing new habitat or expansion of habitats that have reached their potential.

OCARP acknowledges that the scientific community has only limited understanding of the dynamics of artificial reef systems. This is largely due to lack of funding. However, the science that is available coupled with a plethora of anecdotal evidence shows that the addition of appropriate reef material to Northwest Florida regional waters results in producing a desirable population of marine species in a relatively short period of time. And, common sense would dictate that nurturing of these systems would enhance the reef system ecosystem and be more attractive for use of the reef by the public.

S3. Does not conflict with any ongoing or planned response or remediation work: *(Briefly describe ongoing response activities in the project implementation area, if any, and why the project does or does not interfere with that work.)*

Other reef construction efforts have been proposed through the NRDA process that could potentially be executed concurrent with this proposed effort. There is a possibility to combine some of the proposed project work with other projects but the project controls will not be developed until after acceptance of proposed projects. However, this project can be performed completely independent of other proposed NRDA projects. There is sufficient geographical distance between the locations affected by this proposed project and all other proposed projects where interference on the water is highly unlikely.

S4. Complies with applicable and relevant federal, state, local, and tribal laws and regulations: *(No information is needed for these screening criteria.)*

This project is regulated by Federal, State, and Local rules, regulations and guidelines. OCARP provides local regulatory oversight and works closely with the US Army Corps of Engineers and Florida Department of Environmental Protection in the permitting of artificial reef projects. The Florida Fish and Wildlife Conservation Commission – Division of Marine fisheries - provide strict guidelines applicable to the local construction area and reef preparation effort to which OCARP has adopted as their Standard Operation Procedures. Prior to the initiation of any project work, OCARP will solicit the endorsement of all applicable and relevant regulatory agencies either through official permitting processes or as a professional courtesy. OCARP will assure that contract management and staff is intimately familiar with the framework of all guidelines, rules and Standard Operating Procedures that are applicable to this effort. OCARP has no interest in will proceed upon obtaining full approval, support and knowledge of the proposed activities from jurisdictional regulators.

Anticipated Project Outcome with Respect to Evaluation Criteria

E1. Will restore, rehabilitate, or replace a natural resource or service¹ believed/demonstrated to have been injured as a result of the Deepwater Horizon oil spill or associated response activities: *(Briefly describe the nature of any relationship between the new/improved resources or services and those adversely impacted by the oil spill.)*

Okaloosa County experienced significant loss of use of our nearshore/offshore Gulf waters resources as a result of the Deepwater Horizon oil spill. The scope of the impact to the artificial reef network managed by Okaloosa County has not been quantified. This project calls for a cursory assessment of the reef system and restoration of reefs that may or may not have been affected by the oil spill. The results of the assessment will aide in creating a snapshot of the condition of the artificial reef network which will serve as a baseline for future year assessment comparisons.

The ability to accomplish the assessment and monitoring activities proposed in this application is beyond the means of reef programs across the state. The opportunity to execute the proposed project will provide data applied in a wide range of management decisions not just to determine the magnitude of oil impacts on the reefs. In normal circumstances, when funding for reef projects becomes available, artificial reef project management will choose to construct a reef rather than monitor and assess existing reefs because the number of artificial reefs has not reached a point where pressure on individual reefs is optimal. Regardless of whether oil impacts are observed, the data derived from this project will be a boon for management of artificial reefs in Okaloosa County and will be used in short and long term planning for years to come.

The focus of the project will be to provide additional structure needed to sustain a high quality reef ecosystem and extend the working life of degraded structures. This project, upon completion, will aide in enhancing marine resources available for local residential and commercial use and as an attraction for our significant tourist industry. The enhanced marine resource will result in an overall increase in marine biomass and serve as a safe haven for migratory juvenile species from inshore spawning areas to permanent offshore habitats.

As per the County Artificial Reef Five Year Plan - "Artificial reefs are an important component of the recreational fishing and diving opportunities available to Okaloosa County residents and visitors. Most natural "live bottom" reef formations and communities exist farther offshore from Destin Pass than in other parts of the state. The scarcity of live bottom formations in the northeastern Gulf of Mexico is documented in a 1992 Continental Shelf Associates, Inc. report to NOAA; an estimated 3% of the local seafloor contains natural reef formations. The estimated 2003 population of Okaloosa County is 178,104; a 4.5% increase since the US Census conducted in 2000. Vessel registration records for 1997/98 indicate that there are at least 9,000 boats in Okaloosa County capable of utilizing artificial reefs in local waters. The charter fishing and SCUBA diving fleet is composed of over one hundred vessels. A 1999 survey of Destin charter boat operators indicates that these vessels utilize artificial reefs more than 50% of the time. Of the \$713 million economic impact of tourists in 1997/98, over \$61 million can be attributed to the boating and charter fishing industry. In a 1999 report to Florida DEP Office of Fisheries Management and Assistance Services ("Economic Impact and Importance of Artificial Reefs in Northwest Florida"), Dr Frederick Bell estimates total revenues attributable to artificial reefs for 1997/98 to be \$125.94 million. Thus Okaloosa County has an economic interest in maintaining and enhancing local waters through the artificial reef program."

E2. Is located in, or nearby, resources or services injured by the deepwater horizon spill: *(Briefly describe where the project would be implemented with respect to past/ongoing remediation work.)*

Artificial reef impacts in Okaloosa County waters were not assessed after the Deepwater Horizon Oil Spill (DHOS). Okaloosa County experienced impacts to its coastal shoreline and inland waters as a result of the DHOS. The County had documented incidents of DHOS product washing on shore, as well as floating product observed in the East Pass area of Choctawhatchee Bay. The proposed project will be located in numerous locations nearshore where cleanup operations were performed. This effort will serve as an official baseline survey of the reef health and structural condition.

¹ In this form, "Services" (or "natural resource services") refers to the functions performed by a natural resource for the benefit of another natural resource and/or the public. Services can be "ecological services" – physical, chemical or biological functions that one natural resource provides for another (such as provision of food) – or "human services" – the use of natural resources used by humans that provide value to the public (such as hunting and fishing).

E3. Is ready for implementation, e.g., design, permitting, and necessary impacts assessments have been completed: *(Briefly describe where in the permitting process the project stands along with an estimated date of when the project can be implemented if it is not currently ready.)*

Phase I and Phase II of the proposed project do not fall within a permit process. However, the information developed in the execution of Phase I and Phase II will be critical to support the permit requirement in the Phase III reef restoration process. Each of the artificial reefs that will be included in the proposed project at one time or another were permitted for reef construction but these permits have long since expired. The current permitting process is focused on the construction of new reefs and will consider the proposed project construction requirements be compliant with a construction effort. Since the proposed project is intended to renourish/restore existing reef structures and not develop new reef sites, the proposed project does not “fit” into the current regulatory framework called the Noticed General Permit. Another alternative permitting process would be to pursue “individual” permits for each restoration reef site. Typically these “individual permits” are intended for special case and more complex deployment efforts such as the deployment of a large vessel. This project will most likely result in small quantities of material placed in many separate locations. Initial discussions with the FDEP concerning the uniqueness of this project have been met with a willingness to be creative with the review of this effort and to streamline the permitting process.

E4. Is cost effective: *(Briefly describe why you think the project is cost effective. Discuss whether this project is more cost effective than alternative projects which would provide similar resource or service benefits.)*

Construction of artificial reefs has been documented to provide an excellent cost benefit ratio and is supported by public opinion. Recently, a study performed by the Florida Sea Grant was reported by UF/IFAS News that the “Study finds artificial reefs are economic boon, enjoy widespread public support.” A link to the news article and report is as follows: http://www.flseagrant.org/index.php?option=com_content&view=article&id=284:economic-impacts-of-artificial-reefs&catid=51:research-summary&Itemid=101. Okaloosa and other Florida Panhandle counties share a similar geographical and economic demography with the Southwest Florida study area and a projection of the conclusion to northwest Florida county is comparable.

E5. Has a high potential for long-term success as demonstrated by incorporating established/reliable methods and technologies: *(Briefly describe if/how critical methods and technologies that will be used to implement the project could be considered reliable or proven.)*

The proposed reef restoration project provides a foundation for marine life to begin and perpetuate their natural life-cycle as well as sustain existing species developing on structure already present. A minimal amount of monitoring post construction monitoring will confirm this. Ironically, the biggest threat to the reef asset is the same environment in which it succeeds. The saltwater marine environment is extremely harsh. Chemical reactions between the sea water and the reef material accelerates degradation of the material and extreme climactic phenomenon such as tropical storms and hurricanes exert tremendous forces on the material. However, the design of the reef systems proposed includes the integration of materials that have demonstrated excellent resilience in the saltwater marine environment and effectively resists extreme climatic forces.

E6. Is likely to provide benefits rapidly following implementation: *(Briefly describe the anticipated change in benefits anticipated over time.)*

Once restoration material placement is complete, benefits are realized almost immediately. The structures themselves, devoid of marine life, provide a visual complexity that is attractive to user groups like divers and snorkelers. Past monitoring on newly deployed reef materials show that large schools of bait fishes and other small migrating fishes are attracted to the material during the construction process and continue to utilize the material once construction is complete. Other marine species begin to populate and propagate onto the restoration material within days of construction.

E7. Has a high likelihood of public acceptance: (Briefly describe evidence to support the given answer based on surveys or results and assessments from past projects. Known or likely opposition to a project should be recognized.)

Currently, conversations with frequent reef users indicate nearshore artificial reef projects are more desirable due to the rising cost of fuel, the continually decreasing bag limits and shallower reef sites. This can only be presented as anecdotal evidence since it is not associated with any official demographic study. The last official study that included artificial reef questions was conducted in 1998 (14 years ago!) which provided the following findings:

“The combined economic impact of fishers and divers using artificial reefs in Okaloosa County is reflected in spending over \$9.7 million, supporting 141 jobs and generating \$1.73 million in wages and salaries. These two groups spent 118,653 person-days on the artificial reefs over the past 12 months”

Economic Impact and Importance in Northwest Florida, Bell *et.al.*, Office of Fisheries Management and Assistance Service, December 1998

Reasons Behind the Choice of an Artificial Reef for Artificial Reef Users in Okaloosa County	
Reason	Percent Very Important or Important
Better catch rate	85.8 %
Previous experience at site	66.0 %
Site is close to shore	47.1 %
Want to fish near others	3.8 %
Other fishermen recommended site	45.3 %
Site is easy to locate	50.0%
Belter fishing than natural reefs	28.3 %

While this data provides some insight into the thoughts of Artificial Reef users, it does not include the user base that accompanied the exponential growth of the region from 2000 through 2005. Unfortunately, no other studies of Okaloosa County Artificial Reef users have been conducted since 1998. Citizens who attend and speak at Board of County Commissioners meetings never voice opposition to building reefs, any concern is usually focused on making sure the reefs are properly constructed and are free from pollutants and that reefs should be constructed closer to shore. The proposed project restores reefs that are in State waters close to shore. As noted previously, OCARP has been designated to oversee reef construction activities in the County and a primary objective of the program is to be good stewards of the marine environment through compliance and enforcement of all applicable regulatory standards.

WE WANT YOUR INPUT!

Submit this form via email to Rebecca Wintering at Rebecca.Wintering@dep.state.fl.us . If you have any questions or concerns about the process for submitting a project, please contact Rebecca Wintering at:

Rebecca Wintering
Environmental Specialist III
3900 Commonwealth Boulevard, MS 235
Tallahassee, FL 32399
Rebecca.Wintering@dep.state.fl.us

A current summary of projects is accessible through the Florida DEP’s website at <http://www.dep.state.fl.us/deepwaterhorizon/projects.htm> (click on “View the list of restoration project ideas”).

ATTACHMENT A

EXISTING REEF SYSTEMS

Okaloosa County Public Reef Sites
Okaloosa County, Florida

ID	COUNTY	DEPLOY DATE	REEF NAME	PERMIT SITE	MATERIAL	TONS	LATITUDE	LONGITUDE	DEPTH	RELIEF	DIVE DATE	JURISDICTION
OK0003	OKALOOSA	12/31/1976	COUNTY SITE #1(POLE SPOT)	COUNTY SITE #1	CONCRETE RUBBLE		30.36687	-86.58985	75			STATE
OK0002	OKALOOSA	12/31/1976	COUNTY SITE #1(POLE SPOT)	COUNTY SITE #1	CONCRETE RUBBLE		30.36773	-86.58970	75			STATE
OK0001	OKALOOSA	12/31/1976	COUNTY SITE #1(POLE SPOT)	COUNTY SITE #1	CONCRETE RUBBLE		30.36912	-86.58875	75			STATE
OK0004	OKALOOSA	4/17/1977	LIBERTY SHIP- THOMAS HAYWARD	LIBERTY SHIP- THOMAS HAYWARD	VESSEL METAL 360'		30.30627	-86.60370	87	18	4/21/2011	STATE
OK0008	OKALOOSA	12/31/1977	BROWN BARGE	COUNTY SITE #1	BARGE METAL 200'		30.35868	-86.59377	80	12	3/28/1997	STATE
OK0007	OKALOOSA	12/31/1977	AIR FORCE BARGE	COUNTY SITE#2	BARGE METAL 100'		30.35415	-86.49302	68	4		STATE
OK0006	OKALOOSA	12/31/1977	COUNTY SITE #2	COUNTY SITE#2	BRIDGE RUBBLE		30.34683	-86.49395	73		10/15/2011	STATE
OK0005	OKALOOSA	12/31/1977	COUNTY SITE #3	COUNTY SITE #3	CONCRETE RUBBLE		30.35942	-86.41912	65			STATE
OK0009	OKALOOSA	6/6/1979	BURGESS BARGE	OKALOOSA COUNTY LAARS SITE C	BARGE METAL		30.15408	-86.74448	120	6		FEDERAL
OK0010	OKALOOSA	12/31/1982	OZARK		VESSEL METAL		29.91835	-86.58245	180			FEDERAL
OK0011	OKALOOSA	12/31/1986	WHITEMAN TUG BOAT		VESSEL METAL TUGBOAT		30.06153	-86.79745				FEDERAL
OK0012	OKALOOSA	12/1/1987	BAY CONES (BAY)		MODULES PLASTIC CONES		30.41167	-86.51133	25	11		STATE
OK0013	OKALOOSA	6/3/1988	CSX REEF	COUNTY SITE #1	BOXCARS	45.00	30.36082	-86.59528	80			STATE
OK0014	OKALOOSA	6/9/1988	CSX REEF	COUNTY SITE #3	BOXCARS	45.00	30.35238	-86.41757	69	12	4/20/1994	STATE
OK0015	OKALOOSA	6/17/1988	CSX REEF	COUNTY SITE#2	BOXCARS	45.00	30.35447	-86.50075	100			STATE
OK0016	OKALOOSA	6/28/1988	CSX REEF- SPOT#1		BOXCARS	45.00	30.16375	-86.74448	112	3		FEDERAL
OK0017	OKALOOSA	12/31/1989	SHANSKY'S REEF	OKALOOSA COUNTY LAARS SITE A	TIRES		30.14873	-86.40237				FEDERAL
OK0018	OKALOOSA	6/26/1990	FISH HAVEN #3	COUNTY SITE #3	METAL STORAGE TANKS		30.34928	-86.41373	68	8	6/20/1995	STATE
OK0019	OKALOOSA	6/14/1991	OKALOOSA COUNTY SITE #8	OKALOOSA COUNTY LAARS SITE C	METAL STORAGE TANKS		30.15675	-86.76515	106			FEDERAL
OK0021	OKALOOSA	6/29/1992	BARREL BARGE	COUNTY SITE #1	BARGE METAL		30.16950	-86.74868	72	6	4/21/2011	FEDERAL
OK0020	OKALOOSA	6/29/1992	TUGBOAT "ZUESS"	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL TUG		30.15703	-86.74150	107	15		FEDERAL
OK0022	OKALOOSA	7/28/1993	"A" LEG	COUNTY SITE#2	MODULES CONCRETE GHETTOS (106)		30.36335	-86.49828	65	5	6/5/1996	STATE
OK0023	OKALOOSA	8/6/1993	"C" LEG	COUNTY SITE #3	MODULES CONCRETE GHETTOS (86)		30.36063	-86.40732	65	5	8/12/1993	STATE
OK0024	OKALOOSA	8/17/1993	"B" LEG	COUNTY SITE #3	MODULES CONCRETE GHETTOS (78)		30.35488	-86.40977	65	5	6/5/1996	STATE
OK0038	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX #1	COUNTY SITE #1	ARMY TANK M-60 #1	50.00	30.36317	-86.58932	70	12		STATE
OK0037	OKALOOSA	12/19/1994	LAARS SITE A - M-60 TANK #10	OKALOOSA COUNTY LAARS SITE A	ARMY TANK M-60 #10	50.00	30.15115	-86.40282	110	12		FEDERAL
OK0036	OKALOOSA	12/19/1994	LAARS SITE A - M-60 TANK #11	OKALOOSA COUNTY LAARS SITE A	ARMY TANK M-60 #11	50.00	30.15057	-86.40078	110	12		FEDERAL
OK0035	OKALOOSA	12/19/1994	LAARS SITE A - M-60 TANK #12	OKALOOSA COUNTY LAARS SITE A	ARMY TANK M-60 #12	50.00	30.14511	-86.38557	110	12		FEDERAL
OK0034	OKALOOSA	12/19/1994	LAARS SITE A - M-60 TANK #13	OKALOOSA COUNTY LAARS SITE A	ARMY TANK M-60 #13	50.00	30.14070	-86.37300	110	12		FEDERAL
OK0033	OKALOOSA	12/19/1994	LAARS SITE A - M-60 TANK #14	OKALOOSA COUNTY LAARS SITE A	ARMY TANK M-60 #14	50.00	30.14220	-86.35866	110	12		FEDERAL
OK0032	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX #2	COUNTY SITE #1	ARMY TANK M-60 #2	50.00	30.36297	-86.58932	70	12		STATE
OK0031	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX #3	COUNTY SITE #1	ARMY TANK M-60 #3	50.00	30.36292	-86.58932	70	12		STATE
OK0030	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX #4	COUNTY SITE #1	ARMY TANK M-60 #4	50.00	30.36317	-86.58925	70	12		STATE
OK0029	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX M60 TANK #5	COUNTY SITE #1	ARMY TANK M-60 #5	50.00	30.36882	-86.58457	60	12		STATE
OK0028	OKALOOSA	12/19/1994	COUNTY SITE #1 -REEFEX #6	COUNTY SITE #1	ARMY TANK M-60 #6	50.00	30.36907	-86.58430	60	12		STATE
OK0027	OKALOOSA	12/19/1994	COUNTY SITE #2 -REEFEX #7	COUNTY SITE#2	ARMY TANK M-60 #7	50.00	30.35862	-86.49483	65	12		STATE
OK0026	OKALOOSA	12/19/1994	COUNTY SITE #3 -REEFEX #8	COUNTY SITE #3	ARMY TANK M-60 #8	50.00	30.35563	-86.42388	69	12	4/6/2006	STATE
OK0025	OKALOOSA	12/19/1994	COUNTY SITE #3 -REEFEX #9	COUNTY SITE #3	ARMY TANK M-60 #9	50.00	30.35545	-86.42240	69	12	4/6/2006	STATE
OK0039	OKALOOSA	3/24/1995	DEP LAP VALP #1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE REEFBALLS (39)		30.14767	-86.41317	105	5		FEDERAL
OK0040	OKALOOSA	5/22/1995	DEP LAP VALP #1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE REEFBALLS (42)		30.14795	-86.41373	105	5		FEDERAL
OK0041	OKALOOSA	6/20/1995	DEP LAP VALP #1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE REEFBALLS (40)		30.16433	-86.41317	105	4	5/2/1996	FEDERAL
OK0042	OKALOOSA	6/30/1995	TRAINING REEF	COUNTY SITE#2	MODULES CONCRETE GHETTOS (80)	96.00	30.37032	-86.49372	60	5	5/1/1996	STATE
OK0043	OKALOOSA	3/22/1996	DEP LAP VALP #2	OKALOOSA COUNTY LAARS SITE A	VESSEL METAL 65'		30.16350	-86.41283	105	9	5/2/1996	FEDERAL
OK0049	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.07395	-86.34822	140			FEDERAL
OK0048	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.09667	-86.38833	137	6		FEDERAL
OK0047	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.05600	-86.30503	140			FEDERAL
OK0046	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.06488	-86.32640	140			FEDERAL
OK0045	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.05363	-86.32390	140	6		FEDERAL
OK0044	OKALOOSA	5/21/1996	DEP FLAP NO NAME REEF	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	250.00	30.08407	-86.36928	140			FEDERAL
OK0050	OKALOOSA	8/5/1996	VALP. #3	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	385.00	30.16305	-86.41245	109	10		FEDERAL
OK0051	OKALOOSA	10/29/1996	DEP FLAP	OKALOOSA COUNTY LAARS SITE A	METAL PLATFORM	220.00	30.08522	-86.35653	140	6		FEDERAL
OK0052	OKALOOSA	3/19/1997	MISS LOUISE	COUNTY SITE #3	VESSEL METAL TUG 95		30.37143	-86.42193	58	15	7/11/2000	STATE
OK0053	OKALOOSA	10/1/1997	M/V JANET- FISH HAVEN #6	FISH HAVEN #6	VESSEL METAL 85'		30.26400	-86.38508	93	30		STATE
OK0063	OKALOOSA	5/20/1998	WILLIAMS REEF 1A	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16508	-86.40062	109	6		FEDERAL
OK0062	OKALOOSA	5/20/1998	WILLIAMS REEF 1B	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16728	-86.40395	109	6		FEDERAL
OK0061	OKALOOSA	5/20/1998	WILLIAMS REEF 1C	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16998	-86.39938	109	6		FEDERAL
OK0060	OKALOOSA	5/20/1998	WILLIAMS REEF 1D	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16928	-86.39508	109	6		FEDERAL
OK0059	OKALOOSA	5/20/1998	WILLIAMS REEF 1E	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.15423	-86.39583	109	6		FEDERAL
OK0058	OKALOOSA	5/20/1998	LINDBERG CIRCLE REEF 1A	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16503	-86.28483	107	6		FEDERAL
OK0057	OKALOOSA	5/20/1998	LINDBERG CIRCLE REEF 1B	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16817	-86.28483	107	6		FEDERAL
OK0056	OKALOOSA	5/20/1998	LINDBERG CIRCLE REEF 1C	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16783	-86.28042	107	6		FEDERAL
OK0055	OKALOOSA	5/20/1998	LINDBERG CIRCLE REEF 1D	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.15153	-86.29455	107	6		FEDERAL
OK0054	OKALOOSA	5/20/1998	LINDBERG CIRCLE REEF 1E	OKALOOSA COUNTY LAARS SITE A	CONCRETE CULVERTS	89.00	30.16608	-86.28215	107	6		FEDERAL
OK0065	OKALOOSA	5/21/1998	AJ'S BIMINI	??	METAL TANK TURRETS		30.32708	-86.60273		6		STATE
OK0064	OKALOOSA	5/21/1998	TANK TURRETS	OKALOOSA COUNTY LAARS SITE C	METAL TANK TURRETS		30.15673	-86.81793				FEDERAL
OK0066	OKALOOSA	6/10/1998	M/V PREWITT	OKALOOSA COUNTY LAARS SITE A	VESSEL METAL TUGBOAT 80'		30.06148	-86.30722	132	30		FEDERAL
OK0071	OKALOOSA	5/10/1999	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (11)	15.00	30.13412	-86.60495	118	6		FEDERAL
OK0070	OKALOOSA	5/10/1999	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (14)	14.00	30.13410	-86.60508	118	6		FEDERAL
OK0069	OKALOOSA	5/10/1999	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (14)	14.00	30.13353	-86.60445	118	6		FEDERAL

Okaloosa County Public Reef Sites
Okaloosa County, Florida

ID	COUNTY	DEPLOY DATE	REEF NAME	PERMIT SITE	MATERIAL	TONS	LATITUDE	LONGITUDE	DEPTH	RELIEF	DIVE DATE	JURISDICTION
OK0068	OKALOOSA	5/10/1999	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (14)	14.00	30.13388	-86.60458	118	6		FEDERAL
OK0067	OKALOOSA	5/10/1999	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (15)	16.00	30.13390	-86.60500	116	6	5/19/2005	FEDERAL
OK0073	OKALOOSA	6/23/1999	M/V ANGELINA B.	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL 65'		30.12303	-86.61143	130	35		FEDERAL
OK0072	OKALOOSA	6/23/1999	M/V DEBORAH	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL TUGBOAT 135'		30.12520	-86.58987	127	40		FEDERAL
OK0074	OKALOOSA	5/25/2000	OKALOOSA COUNTY LAP SITE B	OKALOOSA COUNTY LAP SITE B	MODULES CONCRETE FISH HAVENS (16)	24.00	29.97337	-86.52068	244	6		FEDERAL
OK0077	OKALOOSA	6/12/2000	VALPARAISO 6-A	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (30)	120.00	30.14250	-86.81625	130	4		FEDERAL
OK0076	OKALOOSA	6/12/2000	VALPARAISO 6-B	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (30)	120.00	30.14150	-86.81743	133	4		FEDERAL
OK0075	OKALOOSA	6/12/2000	VALPARAISO 6-C	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (30)	120.00	30.14282	-86.81580	131	4		FEDERAL
OK0079	OKALOOSA	6/15/2000	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (27)	37.50	30.14188	-86.81883	134	6		FEDERAL
OK0078	OKALOOSA	6/15/2000	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (18)	23.20	30.13958	-86.81773	134	6		FEDERAL
OK0081	OKALOOSA	6/20/2000	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (18)	23.20	30.13968	-86.81613	134	6		FEDERAL
OK0080	OKALOOSA	6/20/2000	OKALOOSA COUNTY LAP SITE C	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (18)	23.20	30.13847	-86.81598	134	6		FEDERAL
OK0082	OKALOOSA	11/29/2000	EGLIN REEF #1	FISH HAVEN #6	VESSEL METAL 74 ' LANDING CRAFT		30.26528	-86.38600	94	22		STATE
OK0083	OKALOOSA	4/20/2001	DESTIN DEEPWATER CONCRETE #2	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (116)	317.00	30.14660	-86.67807	108	8		FEDERAL
OK0084	OKALOOSA	5/30/2001	VALPARAISO #7	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (109)	314.00	30.14633	-86.67975	105	5		FEDERAL
OK0085	OKALOOSA	5/31/2001	BOB REAY REEF-BELIZE QUEEN	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL TUGBOAT 85'	110.00	30.14670	-86.67293	112	35	6/25/2002	FEDERAL
OK0086	OKALOOSA	5/8/2002	VALPARAISO #8	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (188)	255.00	30.14988	-86.55448	101	10		FEDERAL
OK0087	OKALOOSA	6/7/2002	DESTIN REEF "02"	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (57)	82.60	30.15000	-86.55550	110	6		FEDERAL
OK0088	OKALOOSA	6/26/2002	OKALOOSA REEF ODYSSEY (SEA BARB)	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL (85')		30.14883	-86.67680	110	22	6/26/2002	FEDERAL
OK0090	OKALOOSA	6/9/2003	SAND DOLLAR REEF	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (31)	25.00	30.14398	-86.71693	120	6		FEDERAL
OK0089	OKALOOSA	6/9/2003	SAND DOLLAR REEF	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (31)	25.00	30.14575	-86.71558	120	6		FEDERAL
OK0092	OKALOOSA	6/11/2003	SAND DOLLAR REEF	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (34)		30.14717	-86.71842	120	6	5/19/2005	FEDERAL
OK0091	OKALOOSA	6/11/2003	SAND DOLLAR REEF #28	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE FISH HAVENS (34)		30.14742	-86.71862	119	6		FEDERAL
OK0094	OKALOOSA	6/17/2003	SAND DOLLAR REEF	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (110)		30.14583	-86.71458	120	10		FEDERAL
OK0093	OKALOOSA	6/17/2003	SAND DOLLAR REEF	OKALOOSA COUNTY LAARS SITE C	CONCRETE CULVERTS (110)		30.14967	-86.71683	120	10		FEDERAL
OK0095	OKALOOSA	6/23/2003	SAND DOLLAR COMPLEX #7-MOHAWK CHIEF	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL TUGBOAT (93')		30.14678	-86.71792	124	27		FEDERAL
OK0099	OKALOOSA	4/20/2004	STARFISH REEF, PATCH #8	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (15)	37.50	30.14867	-86.63012	103	10		FEDERAL
OK0098	OKALOOSA	4/20/2004	STARFISH REEF, PATCH #7	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (16)	40.00	30.14658	-86.63112	103	10		FEDERAL
OK0097	OKALOOSA	4/20/2004	STARFISH REEF, PATCH #6	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (15)	37.50	30.14457	-86.63012	103	10		FEDERAL
OK0096	OKALOOSA	4/20/2004	STARFISH REEF, PATCH #5	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (16)	40.00	30.14375	-86.62783	103	10		FEDERAL
OK0103	OKALOOSA	6/8/2004	STARFISH REEF, PATCH #4	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (15)	37.50	30.14498	-86.62548	100	10		FEDERAL
OK0102	OKALOOSA	6/8/2004	STARFISH REEF, PATCH #3	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (16)	40.00	30.14658	-86.62457	100	10		FEDERAL
OK0101	OKALOOSA	6/8/2004	STARFISH REEF, PATCH #2	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (16)	40.00	30.14872	-86.62543	100	10		FEDERAL
OK0100	OKALOOSA	6/8/2004	STARFISH REEF, PATCH #1	OKALOOSA COUNTY LAARS SITE C	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (15)	37.50	30.14948	-86.62783	100	10		FEDERAL
OK0104	OKALOOSA	6/21/2005	URCHIN REEF, DROP #11	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (70)	175.00	30.36338	-86.46405	70	10	8/25/2007	STATE
OK0105	OKALOOSA	12/1/2005	CHEPANOC - STARFISH REEF	OKALOOSA COUNTY LAARS SITE C	VESSEL METAL TUGBOAT 129'		30.14723	-86.62687	107	28		FEDERAL
OK0120	OKALOOSA	4/3/2006	BARNACLE REEF #15	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14925	-86.30527	116	10		FEDERAL
OK0119	OKALOOSA	4/3/2006	BARNACLE REEF #14	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15172	-86.31085	115	10		FEDERAL
OK0118	OKALOOSA	4/3/2006	BARNACLE REEF #13	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14720	-86.31088	118	10		FEDERAL
OK0117	OKALOOSA	4/3/2006	BARNACLE REEF #12	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14197	-86.31565	118	10		FEDERAL
OK0116	OKALOOSA	4/3/2006	BARNACLE REEF #11	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14495	-86.31523	114	10		FEDERAL
OK0115	OKALOOSA	4/3/2006	BARNACLE REEF #10	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14225	-86.32035	111	10		FEDERAL
OK0114	OKALOOSA	4/3/2006	BARNACLE REEF #9	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14717	-86.31968	114	10		FEDERAL
OK0113	OKALOOSA	4/3/2006	BARNACLE REEF #8	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.14933	-86.32477	109	10		FEDERAL
OK0112	OKALOOSA	4/3/2006	BARNACLE REEF #7	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15167	-86.31987	106	10		FEDERAL
OK0111	OKALOOSA	4/3/2006	BARNACLE REEF #6	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15382	-86.31505	109	10		FEDERAL
OK0110	OKALOOSA	4/3/2006	BARNACLE REEF #5	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15462	-86.31128	113	10		FEDERAL
OK0109	OKALOOSA	4/3/2006	BARNACLE REEF #4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15657	-86.31007	111	10		FEDERAL
OK0108	OKALOOSA	4/3/2006	BARNACLE REEF #3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15635	-86.31535	108	10		FEDERAL
OK0107	OKALOOSA	4/3/2006	BARNACLE REEF #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15467	-86.31885	108	10		FEDERAL
OK0106	OKALOOSA	4/3/2006	BARNACLE REEF #1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.15702	-86.32008	107	10		FEDERAL
OK0147	OKALOOSA	4/4/2006	SANDFLEA REEF #27	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36383	-86.43662	62	10		STATE
OK0146	OKALOOSA	4/4/2006	SANDFLEA REEF #26	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36400	-86.43680	62	10		STATE
OK0145	OKALOOSA	4/4/2006	SANDFLEA REEF #25	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36348	-86.43708	62	10		STATE
OK0144	OKALOOSA	4/4/2006	SANDFLEA REEF #24	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36352	-86.43680	62	10		STATE
OK0143	OKALOOSA	4/4/2006	SANDFLEA REEF #23	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36355	-86.44187	62	10		STATE
OK0142	OKALOOSA	4/4/2006	SANDFLEA REEF #22	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36355	-86.44470	62	10		STATE
OK0141	OKALOOSA	4/4/2006	SANDFLEA REEF #21	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36063	-86.44013	62	10		STATE
OK0140	OKALOOSA	4/4/2006	SANDFLEA REEF #20	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36075	-86.44327	62	10		STATE
OK0139	OKALOOSA	4/4/2006	SANDFLEA REEF #19	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35933	-86.44482	62	10		STATE
OK0138	OKALOOSA	4/4/2006	SANDFLEA REEF #18	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35822	-86.44302	62	10		STATE
OK0137	OKALOOSA	4/4/2006	SANDFLEA REEF #17	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35663	-86.44462	62	10		STATE
OK0136	OKALOOSA	4/4/2006	SANDFLEA REEF #16	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35670	-86.44162	62	10		STATE
OK0135	OKALOOSA	4/4/2006	SANDFLEA REEF #15	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35783	-86.44003	62	10		STATE
OK0134	OKALOOSA	4/4/2006	SANDFLEA REEF #14	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35945	-86.43690	62	10		STATE
OK0133	OKALOOSA	4/4/2006	SANDFLEA REEF #13	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35682	-86.43663	62	10		STATE
OK0132	OKALOOSA	4/4/2006	SANDFLEA REEF #12	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35738	-86.43190	70	10	8/25/2007	STATE
OK0131	OKALOOSA	4/4/2006	SANDFLEA REEF #11	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35795	-86.43365	62	10		STATE
OK0130	OKALOOSA	4/4/2006	SANDFLEA REEF #10	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.35925	-86.43215	62	10		STATE

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ID	COUNTY	DEPLOY DATE	REEF NAME	PERMIT SITE	MATERIAL	TONS	LATITUDE	LONGITUDE	DEPTH	RELIEF	DIVE DATE	JURISDICTION
OK0129	OKALOOSA	4/4/2006	SANDFLEA REEF #9	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36075	-86.43343	62	10		STATE
OK0128	OKALOOSA	4/4/2006	SANDFLEA REEF #8	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36153	-86.43195	62	10		STATE
OK0127	OKALOOSA	4/4/2006	SANDFLEA REEF #7	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36363	-86.43220	62	10		STATE
OK0126	OKALOOSA	4/4/2006	SANDFLEA REEF #6	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36567	-86.43212	62	10		STATE
OK0125	OKALOOSA	4/4/2006	SANDFLEA REEF #5	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36672	-86.43358	62	10		STATE
OK0124	OKALOOSA	4/4/2006	SANDFLEA REEF #4	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36757	-86.43720	62	10		STATE
OK0123	OKALOOSA	4/4/2006	SANDFLEA REEF #3	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36645	-86.44042	62	10		STATE
OK0122	OKALOOSA	4/4/2006	SANDFLEA REEF #2	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36628	-86.44357	62	10		STATE
OK0121	OKALOOSA	4/4/2006	SANDFLEA REEF #1	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA SPECIAL METAL (2)	5.00	30.36732	-86.44498	62	10		STATE
OK0180	OKALOOSA	6/22/2007	SANDFLEA REEF, UNITS #64 & #65	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36377	-86.43962	65	8		STATE
OK0179	OKALOOSA	6/22/2007	SANDFLEA REEF, UNITS #62 & #63	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36378	-86.43982	65	8	8/25/2007	STATE
OK0178	OKALOOSA	6/22/2007	SANDFLEA REEF, UNITS #60 & #61	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36355	-86.44008	65	8		STATE
OK0177	OKALOOSA	6/22/2007	SANDFLEA REEF, UNITS #58 & #59	OKALOOSA COUNTY FISH HAVEN #12	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36380	-86.44015	65	8		STATE
OK0176	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #56 & #57	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36200	-86.46560	65	8		STATE
OK0175	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #54 & #55	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36242	-86.46487	65	8		STATE
OK0174	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #52 & #53	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36213	-86.46568	65	8		STATE
OK0173	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #50 & #51	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36303	-86.46583	65	8		STATE
OK0172	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #48 & #49	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36307	-86.46502	65	8		STATE
OK0171	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #46 & #47	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36358	-86.46495	65	8		STATE
OK0170	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #44 & #45	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36367	-86.46413	65	8		STATE
OK0169	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #42 & #43	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36448	-86.46410	65	8		STATE
OK0168	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #40 & #41	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36477	-86.46632	65	8		STATE
OK0167	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #38 & #39	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36568	-86.46523	65	8		STATE
OK0166	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #36 & #37	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36473	-86.46527	65	8		STATE
OK0165	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #34 & #35	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36143	-86.46607	65	8		STATE
OK0164	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #32 & #33	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36030	-86.46097	65	8		STATE
OK0163	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #30 & #31	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36278	-86.46027	65	8		STATE
OK0162	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #28 & #29	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36618	-86.46010	65	8		STATE
OK0161	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #26 & #27	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35038	-86.45852	65	8		STATE
OK0160	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #24 & #25	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36453	-86.45858	65	8		STATE
OK0159	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #22 & #23	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36232	-86.45850	65	8		STATE
OK0158	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #20 & #21	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.36005	-86.45853	65	8		STATE
OK0157	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #18 & #19	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35778	-86.46192	65	8		STATE
OK0156	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #16 & #17	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35557	-86.46497	65	8		STATE
OK0155	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #14 & #15	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35560	-86.46733	65	8		STATE
OK0154	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #12 & #13	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35552	-86.46998	65	8		STATE
OK0153	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #10 & #11	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35778	-86.47982	65	8	8/25/2007	STATE
OK0152	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #8 & #9	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35785	-86.46768	65	8		STATE
OK0151	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #6 & #7	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35542	-86.47235	65	8		STATE
OK0150	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #5	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	2.50	30.35428	-86.47013	65	8		STATE
OK0149	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #3 & #4	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35552	-86.47030	65	8		STATE
OK0148	OKALOOSA	6/22/2007	URCHIN REEF, UNITS #1 &2	OKALOOSA FISH HAVEN #11	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.35700	-86.47010	65	8		STATE
OK0181	OKALOOSA	5/10/2011	MONICA LEE TUGBOAT	OKALOOSA COUNTY LAARS SITE A	VESSEL METAL TUGBOAT 49 FT	35.00	30.15570	-86.37040	117	20	7/27/2011	FEDERAL
OK0197	OKALOOSA	7/28/2011	CONCH REEF SE#4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15288	-86.36610	117	8		FEDERAL
OK0196	OKALOOSA	7/28/2011	CONCH REEF SE#3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15373	-86.36685	117	8		FEDERAL
OK0195	OKALOOSA	7/28/2011	CONCH REEF SE#2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15447	-86.36787	117	8		FEDERAL
OK0194	OKALOOSA	7/28/2011	CONCH REEF SE#1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15522	-86.36868	117	8		FEDERAL
OK0193	OKALOOSA	7/28/2011	CONCH REEF NE#4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15917	-86.36623	117	8		FEDERAL
OK0192	OKALOOSA	7/28/2011	CONCH REEF NE#3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15832	-86.36712	117	8		FEDERAL
OK0191	OKALOOSA	7/28/2011	CONCH REEF NE#2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15757	-86.36798	117	8		FEDERAL
OK0190	OKALOOSA	7/28/2011	CONCH REEF NE#1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15680	-86.36878	117	8		FEDERAL
OK0189	OKALOOSA	7/28/2011	CONCH REEF NW#1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15680	-86.37060	117	8		FEDERAL
OK0188	OKALOOSA	7/28/2011	CONCH REEF NW#2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15755	-86.37138	117	8		FEDERAL
OK0187	OKALOOSA	7/28/2011	CONCH REEF NW#3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15837	-86.37240	117	8		FEDERAL
OK0186	OKALOOSA	7/28/2011	CONCH REEF NW#4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15913	-86.37345	117	8		FEDERAL
OK0185	OKALOOSA	7/28/2011	CONCH REEF SW#3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15348	-86.37208	117	8		FEDERAL
OK0184	OKALOOSA	7/28/2011	CONCH REEF SW#4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15287	-86.37327	117	8		FEDERAL
OK0183	OKALOOSA	7/28/2011	CONCH REEF SW#2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15442	-86.37145	117	8		FEDERAL
OK0182	OKALOOSA	7/28/2011	CONCH REEF SW#1	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.15465	-86.37087	117	8		FEDERAL
OK0214	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) CENTER #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (4)	14.00	30.11313	-86.31027	121	8		FEDERAL
OK0213	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NE LEG END	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11620	-86.30535	121	8		FEDERAL
OK0212	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NE LEG #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11540	-86.30662	121	8		FEDERAL
OK0211	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NE LEG #3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11468	-86.30810	121	8		FEDERAL
OK0210	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NE LEG #4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11405	-86.30968	121	8		FEDERAL
OK0209	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SW LEG #4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11248	-86.31200	121	8		FEDERAL
OK0208	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SW LEG #3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11172	-86.31310	121	8		FEDERAL
OK0207	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SW LEG #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11078	-86.31420	121	8		FEDERAL
OK0206	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SE LEG END	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (4)	14.00	30.10983	-86.31555	121	8		FEDERAL
OK0205	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SE LEG #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11062	-86.30667	121	8		FEDERAL

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ID	COUNTY	DEPLOY DATE	REEF NAME	PERMIT SITE	MATERIAL	TONS	LATITUDE	LONGITUDE	DEPTH	RELIEF	DIVE DATE	JURISDICTION
OK0204	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SE LEG #3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11168	-86.30788	121	8		FEDERAL
OK0203	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) SE LEG #4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11250	-86.30928	121	8		FEDERAL
OK0202	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) CENTER	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (4)	14.00	30.11345	-86.31110	121	8		FEDERAL
OK0201	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NW LEG #4	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11408	-86.31227	121	8		FEDERAL
OK0200	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NW LEG #3	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11483	-86.31363	121	8		FEDERAL
OK0199	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NW LEG #2	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11575	-86.31502	121	8		FEDERAL
OK0198	OKALOOSA	8/7/2012	AQUATIC LIFE ECOSYSTEM (ALE) NW LEG END	OKALOOSA COUNTY LAARS SITE A	MODULES CONCRETE WALTER FLORIDA LIMESTONE (2)	7.00	30.11643	-86.31598	121	8		FEDERAL